

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040219\
 Data File : VD061531.D
 Acq On : 2 Apr 2019 23:30
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 4/3/2019 1:03:05 PM

Quant Time: Apr 03 03:10:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	612941	50.00	ug/l	0.04
34) 1,4-Difluorobenzene	8.23	114	1066946	50.00	ug/l	0.04
63) Chlorobenzene-d5	12.37	117	923387	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	411204	50.00	ug/l	0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.47	65	304922	58.24	ug/l	0.04
Spiked Amount	50.000		Recovery	=	116.48%	
35) Dibromofluoromethane	6.94	113	448326	54.99	ug/l	0.04
Spiked Amount	50.000		Recovery	=	109.98%	
50) Toluene-d8	10.42	98	1109711	56.75	ug/l	0.04
Spiked Amount	50.000		Recovery	=	113.50%	
62) 4-Bromofluorobenzene	13.56	95	436795	58.25	ug/l	0.02
Spiked Amount	50.000		Recovery	=	116.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	320195	48.915	ug/l	97
3) Chloromethane	1.78	50	252217	47.244	ug/l	99
4) Vinyl Chloride	1.87	62	234472	47.834	ug/l	98
5) Bromomethane	2.17	94	43827	45.089	ug/l	93
6) Chloroethane	2.28	64	78867	54.866	ug/l	94
7) Trichlorofluoromethane	2.55	101	368257	51.665	ug/l	100
8) Diethyl Ether	2.89	74	125384	54.635	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	3.17	101	405627	52.933	ug/l	96
10) Methyl Iodide	3.32	142	560903	48.276	ug/l	99
11) Tert butyl alcohol	4.07	59	107446	329.507	ug/l	100
12) 1,1-Dichloroethene	3.15	96	333826	50.741	ug/l	99
13) Acrolein	3.05	56	54495	216.251	ug/l	94
14) Allyl chloride	3.64	41	495809	54.031	ug/l	98
15) Acrylonitrile	4.21	53	339790	300.231	ug/l	95
16) Acetone	3.23	43	350920	260.714	ug/l	97
17) Carbon Disulfide	3.39	76	939790	43.965	ug/l	99
18) Methyl Acetate	3.65	43	178090	62.929	ug/l	96
19) Methyl tert-butyl Ether	4.25	73	674364	59.215	ug/l	99
20) Methylene Chloride	3.83	84	410262	54.586	ug/l	99
21) trans-1,2-Dichloroethene	4.24	96	365626	51.475	ug/l	99
22) Diisopropyl ether	5.13	45	1139518	58.682	ug/l	97
23) Vinyl Acetate	5.08	43	3068853	290.941	ug/l	100
24) 1,1-Dichloroethane	5.01	63	612203	53.645	ug/l	99
25) 2-Butanone	6.08	43	483806	285.744	ug/l	98
26) 2,2-Dichloropropane	6.03	77	466402	51.412	ug/l	98
27) cis-1,2-Dichloroethene	6.05	96	421873	54.209	ug/l	96
28) Bromochloromethane	6.45	49	268173	58.214	ug/l #	97
29) Tetrahydrofuran	6.46	42	269740	328.687	ug/l	98
30) Chloroform	6.68	83	660054	55.976	ug/l	99
31) Cyclohexane	6.96	56	437063	48.464	ug/l	96
32) 1,1,1-Trichloroethane	6.89	97	562795	54.100	ug/l	95
36) 1,1-Dichloropropene	7.16	75	466663	50.114	ug/l	98
37) Ethyl Acetate	6.19	43	235707	59.185	ug/l	95
38) Carbon Tetrachloride	7.12	117	536079m	50.099	ug/l	

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MMDadoda
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Quant Time: Apr 03 03:10:17 2019
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 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.88	83	505333	52.105	ug/l	96
40) Benzene	7.47	78	1214557	51.969	ug/l	98
41) Methacrylonitrile	6.45	41	295590	63.478	ug/l	98
42) 1,2-Dichloroethane	7.59	62	411503	58.864	ug/l	97
43) Isopropyl Acetate	9.25	43	328551	56.700	ug/l #	99
44) Trichloroethene	8.55	130	467127	53.709	ug/l	99
45) 1,2-Dichloropropane	8.94	63	345645	58.326	ug/l	99
46) Dibromomethane	9.07	93	228662	57.327	ug/l	99
47) Bromodichloromethane	9.39	83	523460	58.471	ug/l	98
48) Methyl methacrylate	9.13	41	199432	62.363	ug/l	96
49) 1,4-Dioxane	9.09	88	45990	1303.838	ug/l	96
51) 4-Methyl-2-Pentanone	10.30	43	1011927	287.044	ug/l	96
52) Toluene	10.51	92	711583	49.908	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	453279	55.728	ug/l	98
54) cis-1,3-Dichloropropene	10.05	75	546689	55.198	ug/l	99
55) 1,1,2-Trichloroethane	11.20	97	272913	54.733	ug/l	98
56) Ethyl methacrylate	11.05	69	285792	53.353	ug/l	97
57) 1,3-Dichloropropane	11.42	76	405777	55.367	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.87	63	865898	331.935	ug/l	94
59) 2-Hexanone	11.53	43	715622	280.173	ug/l	99
60) Dibromochloromethane	11.69	129	450814	58.647	ug/l	98
61) 1,2-Dibromoethane	11.81	107	319281	55.298	ug/l	99
64) Tetrachloroethene	11.27	164	339755	46.883	ug/l	98
65) Chlorobenzene	12.40	112	932812	49.431	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	393886	53.908	ug/l	96
67) Ethyl Benzene	12.53	91	1498672	52.030	ug/l	98
68) m/p-Xylenes	12.68	106	995130	91.204	ug/l	96
69) o-Xylene	13.05	106	567348	53.582	ug/l	96
70) Styrene	13.08	104	849087	46.002	ug/l	98
71) Bromoform	13.24	173	255390	55.139	ug/l	96
73) Isopropylbenzene	13.40	105	1424094	49.760	ug/l	99
74) N-amyl acetate	13.27	43	461284	57.859	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.70	83	320653	53.112	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	334618	56.334	ug/l	100
77) Bromobenzene	13.67	156	412892	48.665	ug/l	97
78) n-propylbenzene	13.78	91	1610310	45.978	ug/l	99
79) 2-Chlorotoluene	13.85	91	1002876	52.736	ug/l	99
80) 1,3,5-Trimethylbenzene	13.94	105	1060356	47.752	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.47	75	99004	54.665	ug/l	94
82) 4-Chlorotoluene	13.95	91	1036546	50.129	ug/l	88
83) tert-Butylbenzene	14.19	119	1331797	47.992	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	1159309	48.224	ug/l	100
85) sec-Butylbenzene	14.37	105	1475670	50.056	ug/l	98
86) p-Isopropyltoluene	14.50	119	1298197	52.076	ug/l	98
87) 1,3-Dichlorobenzene	14.46	146	675894	47.043	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	712809	50.874	ug/l	94
89) n-Butylbenzene	14.80	91	1095694	47.887	ug/l	99
90) Hexachloroethane	15.01	117	363114	51.559	ug/l	80
91) 1,2-Dichlorobenzene	14.81	146	612095	51.939	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	45733	64.587	ug/l	87

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VSTDCCC050EC

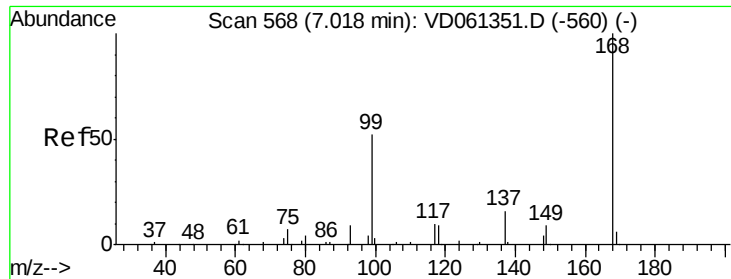
Manual Integrations
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4/3/2019 1:03:05 PM

Quant Time: Apr 03 03:10:17 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	276351	51.477	ug/l	97
94) Hexachlorobutadiene	16.04	225	204177	48.671	ug/l	99
95) Naphthalene	16.12	128	466517	57.011	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	125179	52.989	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



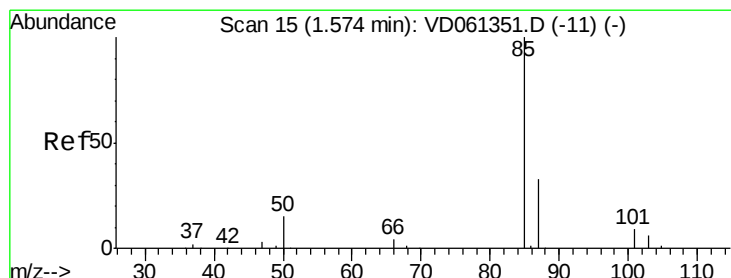
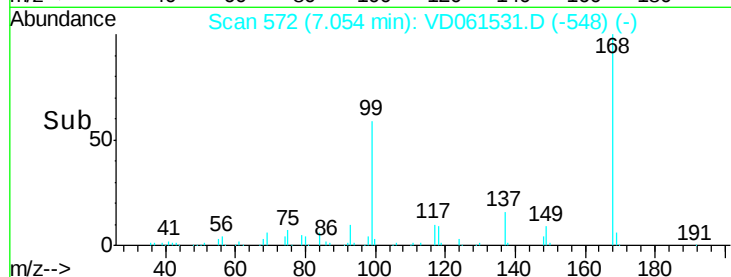
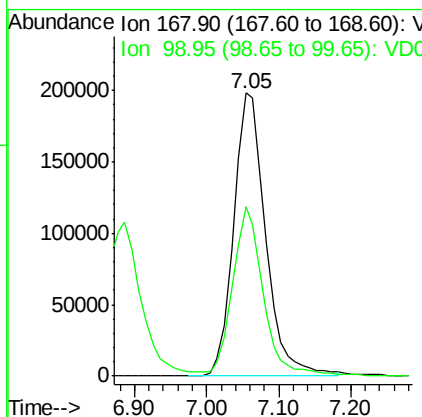
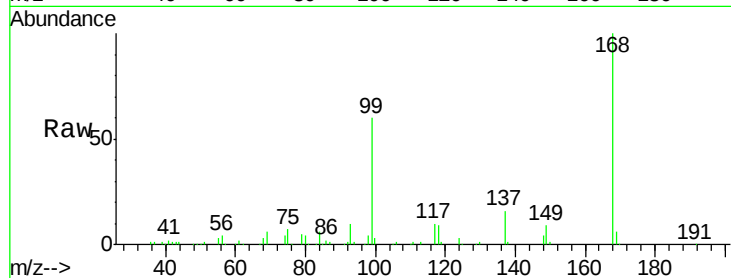
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.05 min Scan# 572
Delta R.T. 0.04 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

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ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
168	100		
99	59.6	43.1	64.7

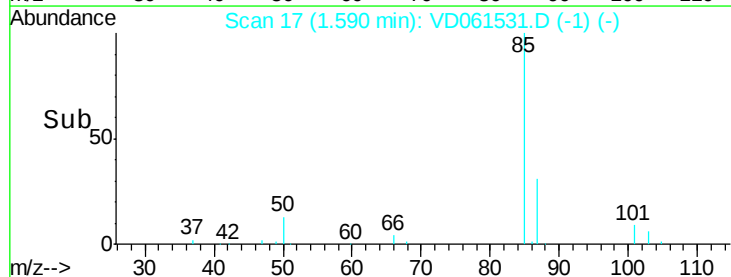
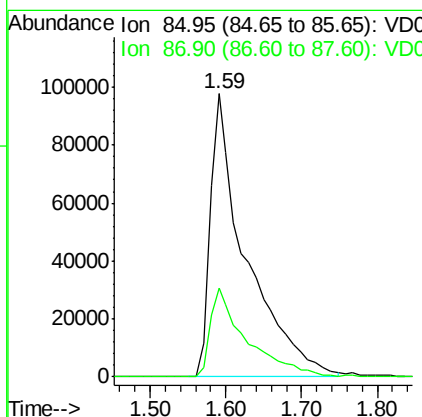
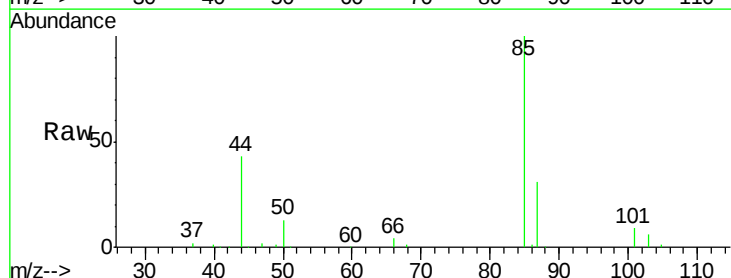
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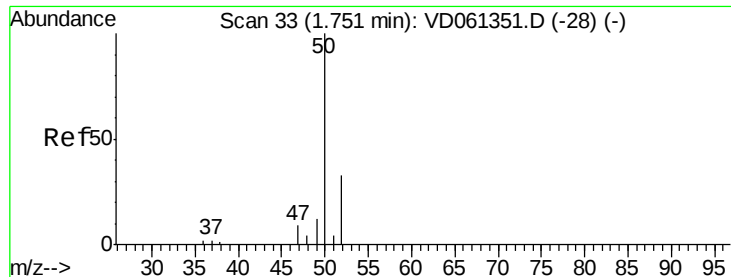
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#2
Dichlorodifluoromethane
Concen: 48.915 ug/l
RT: 1.59 min Scan# 17
Delta R.T. 0.02 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.3	16.6	49.7





#3

Chloromethane

Concen: 47.244 ug/l

RT: 1.78 min Scan# 36

Delta R.T. 0.03 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 252217

Ion Ratio Lower Upper

50 100

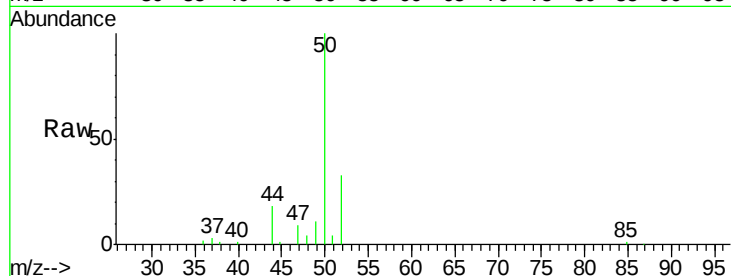
52 32.9 26.1 39.1

Manual Integrations

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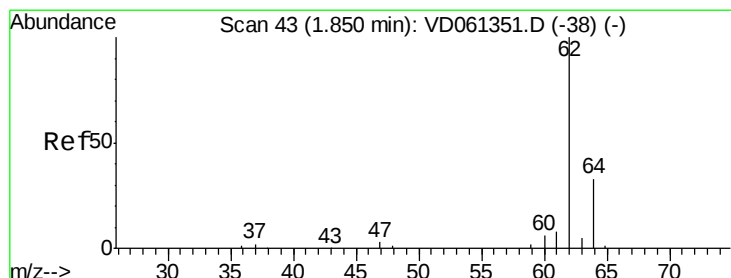
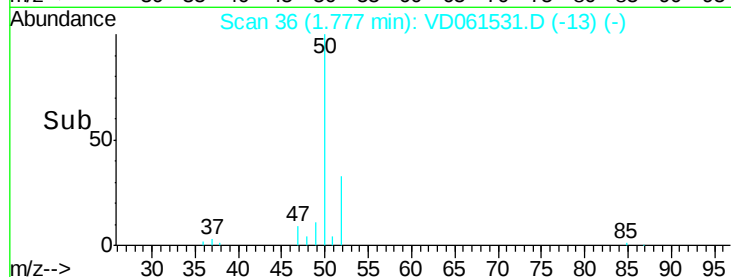
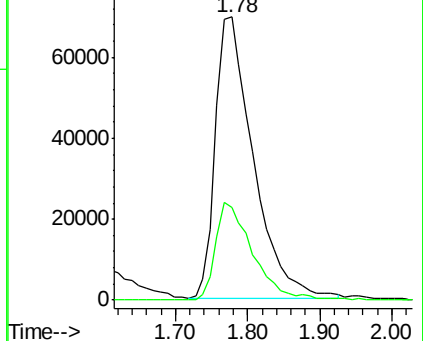
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 47.834 ug/l

RT: 1.87 min Scan# 45

Delta R.T. 0.02 min

Lab File: VD061531.D

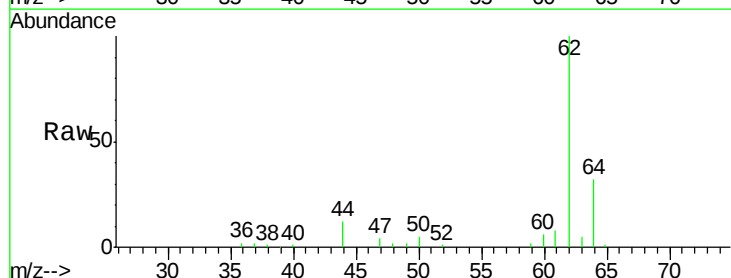
Acq: 2 Apr 2019 23:30

Tgt Ion: 62 Resp: 234472

Ion Ratio Lower Upper

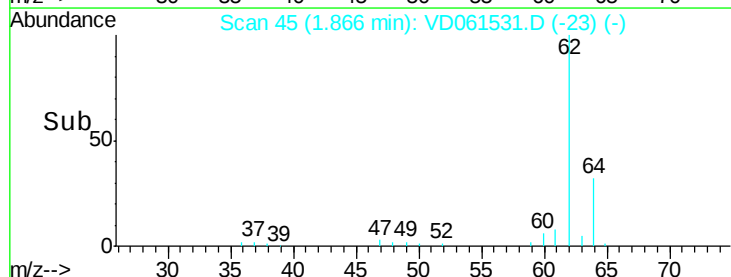
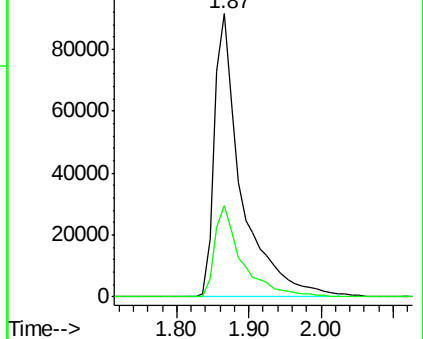
62 100

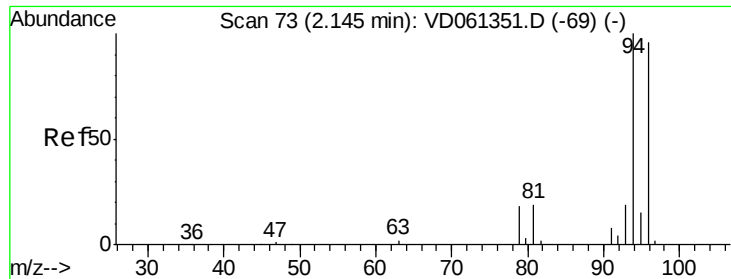
64 32.1 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 45.089 ug/l

RT: 2.17 min Scan# 76

Delta R.T. 0.03 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

Instrument :

MSVOA_D

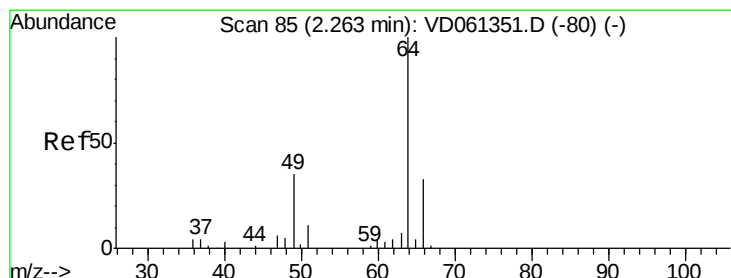
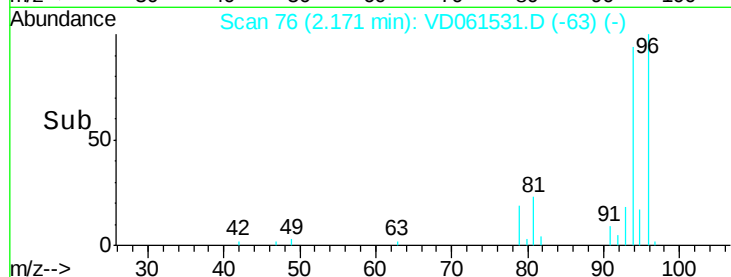
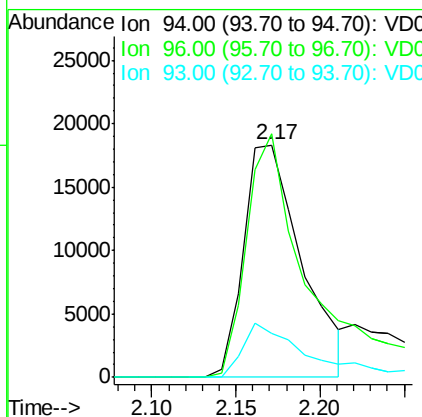
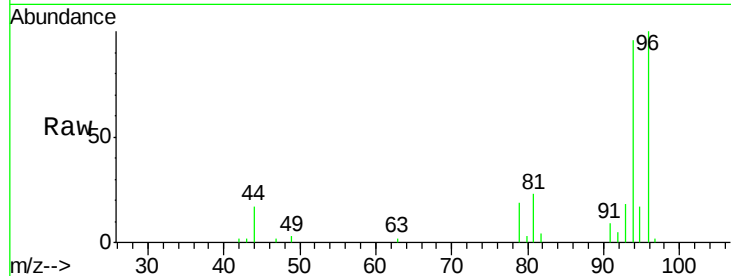
ClientSampleId :

VSTDCCC050EC

Tot Ion:	94	Resp:	43827
Ion	Ratio	Lower	Upper
94	100		
96	106.5	78.3	117.5
93	18.8	15.6	23.4

Manual Integrations
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#6

Chloroethane

Concen: 54.866 ug/l

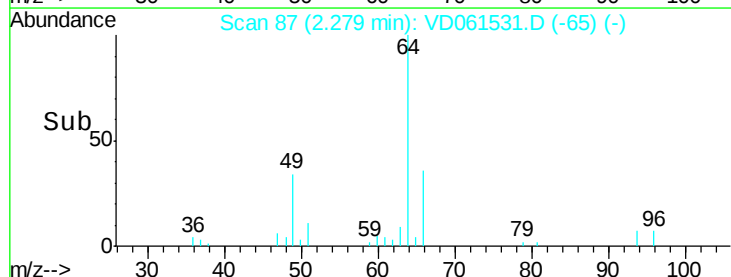
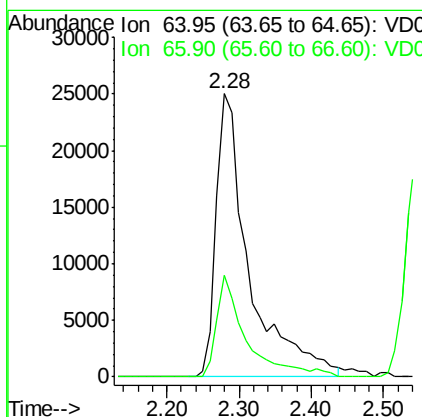
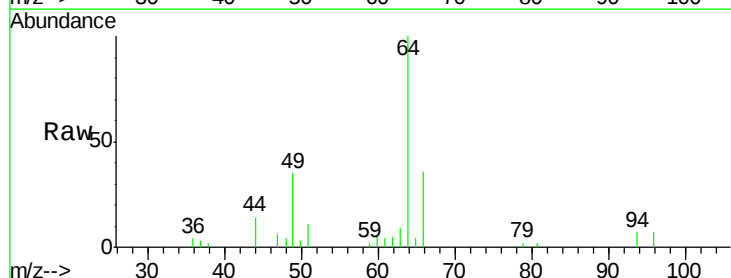
RT: 2.28 min Scan# 87

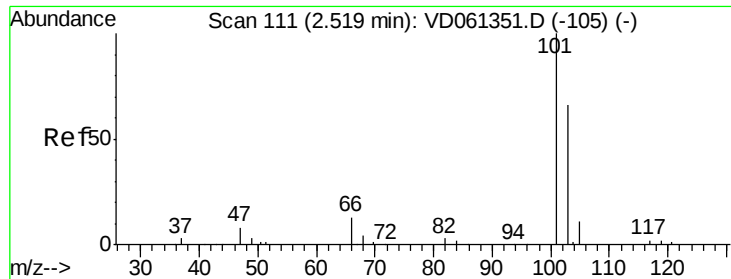
Delta R.T. 0.02 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

Tgt Ion:	64	Resp:	78867
Ion	Ratio	Lower	Upper
64	100		
66	36.0	26.2	39.2





#7

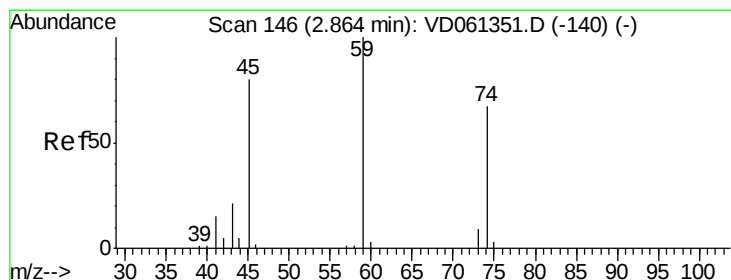
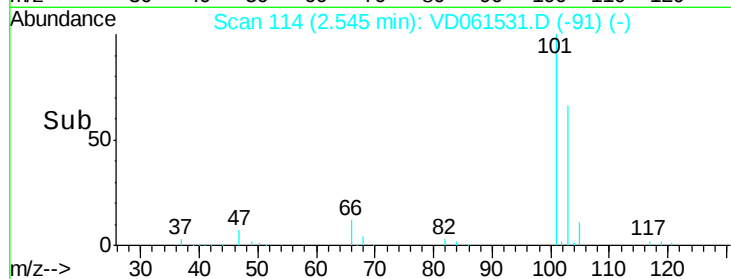
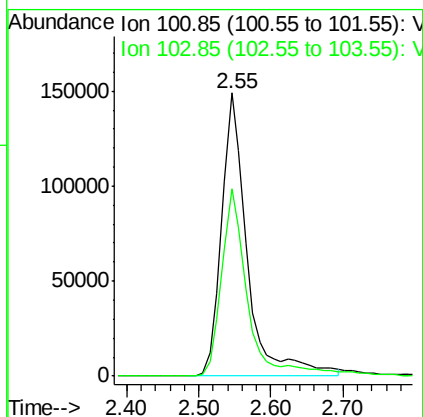
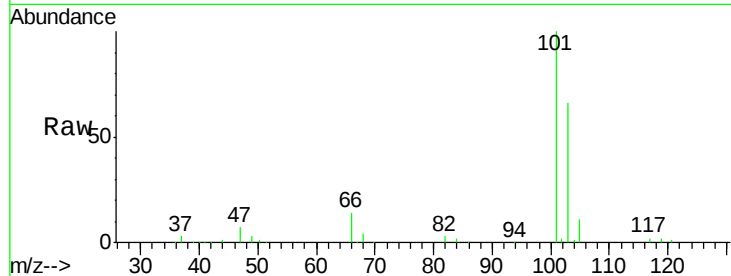
Trichlorofluoromethane
 Concen: 51.665 ug/l
 RT: 2.55 min Scan# 114
 Delta R.T. 0.03 min
 Lab File: VD061531.D
 Acq: 2 Apr 2019 23:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.2	53.1	79.7

Manual Integrations
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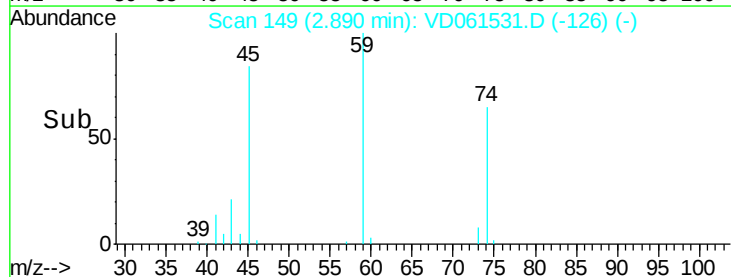
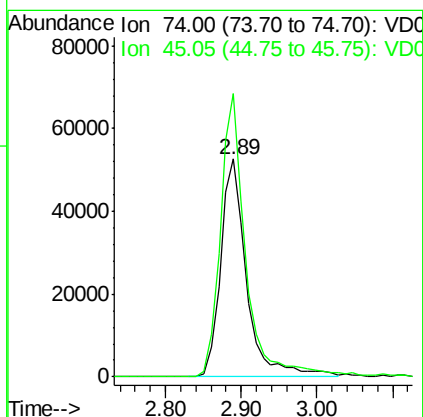
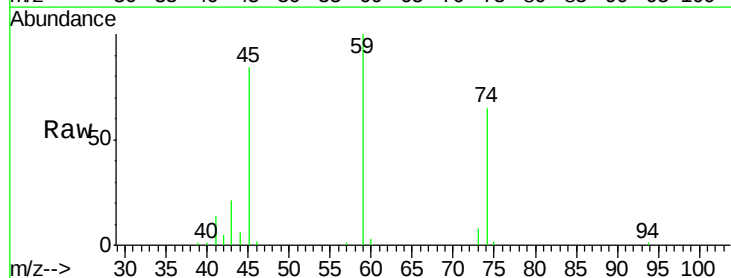
MMDadoda
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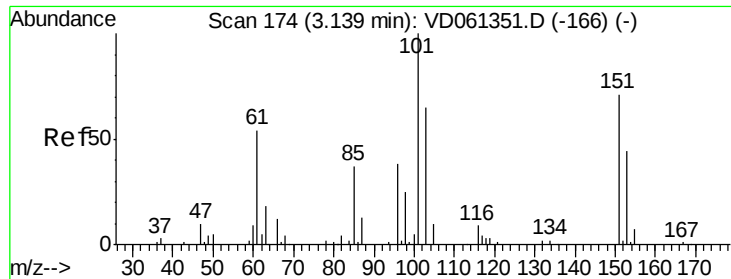


#8

Diethyl Ether
 Concen: 54.635 ug/l
 RT: 2.89 min Scan# 149
 Delta R.T. 0.03 min
 Lab File: VD061531.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	129.9	59.7	179.1





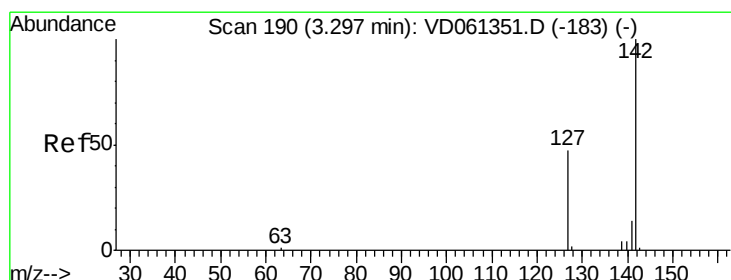
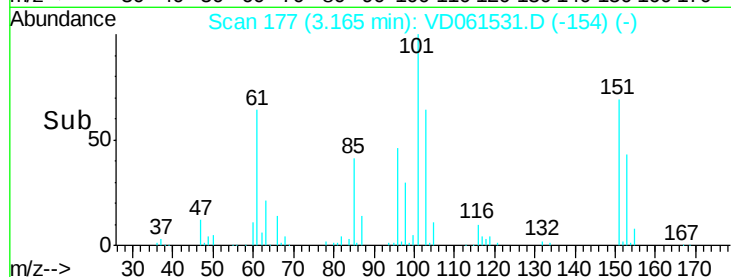
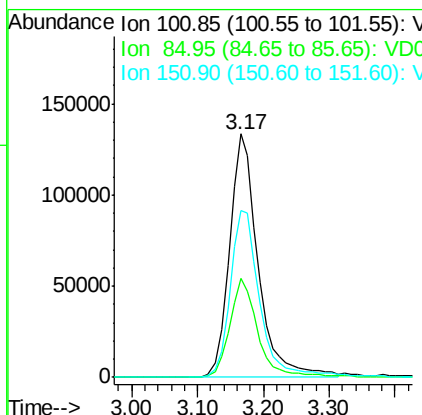
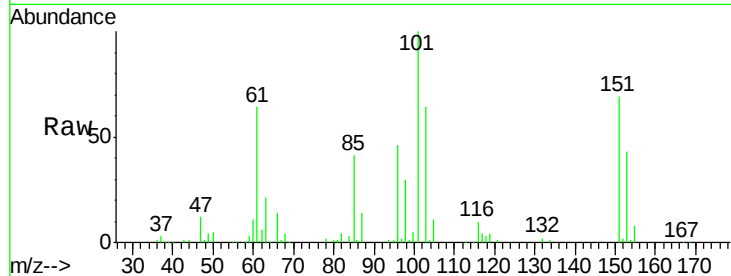
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 52.933 ug/l
 RT: 3.17 min Scan# 177
 Delta R.T. 0.03 min
 Lab File: VD061531.D
 Acq: 2 Apr 2019 23:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
85	40.6	29.4	44.0
151	68.8	57.0	85.4

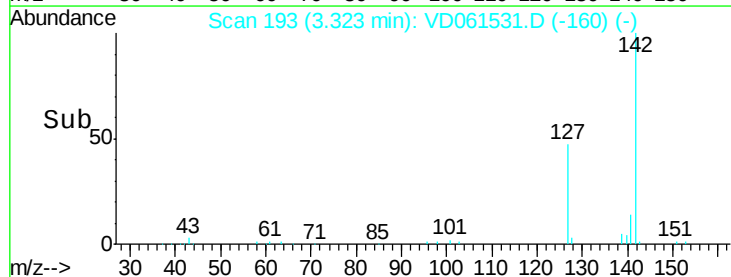
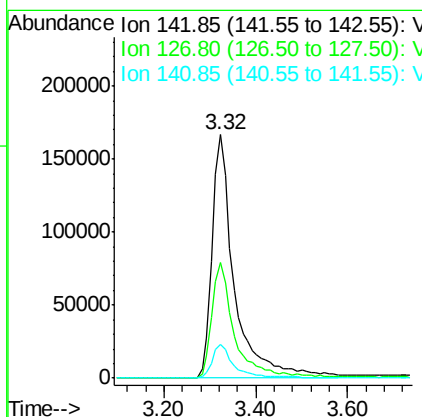
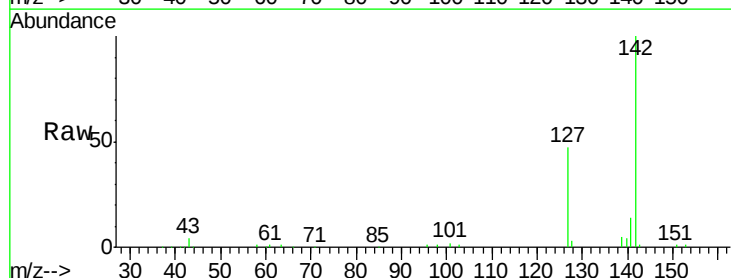
Manual Integrations
 APPROVED

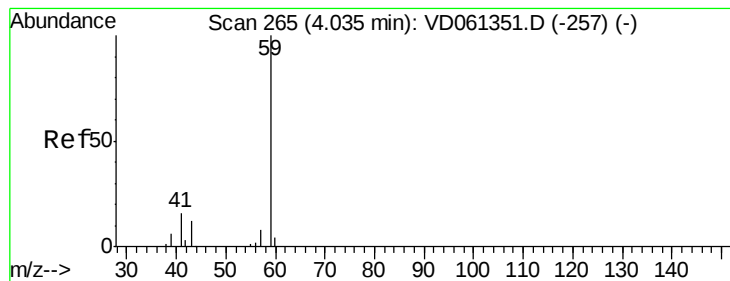
MMDadoda
 4/3/2019 1:03:05 PM



#10
 Methyl Iodide
 Concen: 48.276 ug/l
 RT: 3.32 min Scan# 193
 Delta R.T. 0.03 min
 Lab File: VD061531.D
 Acq: 2 Apr 2019 23:30

Tgt Ion	Ratio	Lower	Upper
142	100		
127	47.4	37.7	56.5
141	14.1	11.5	17.3





#11

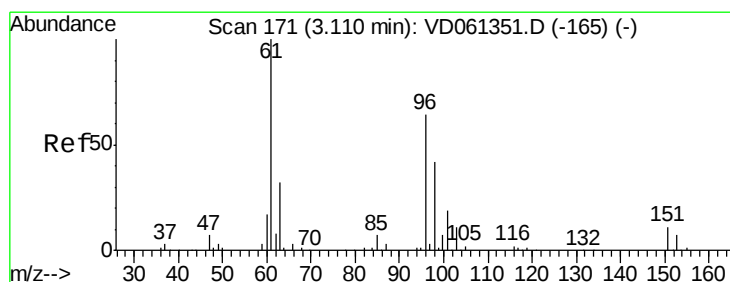
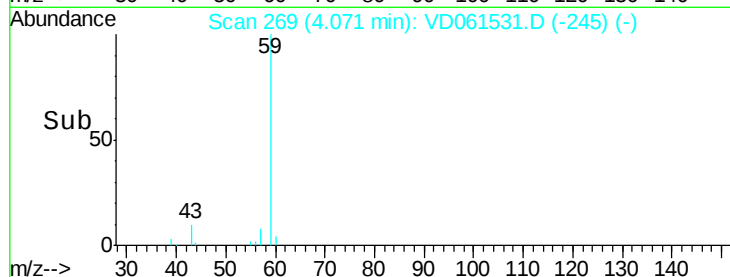
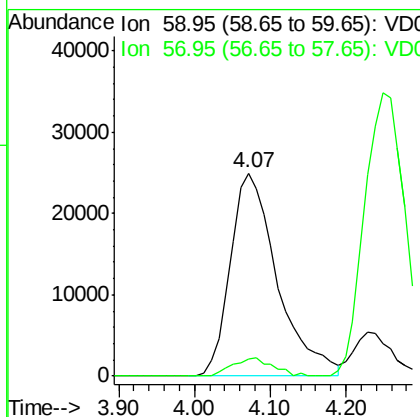
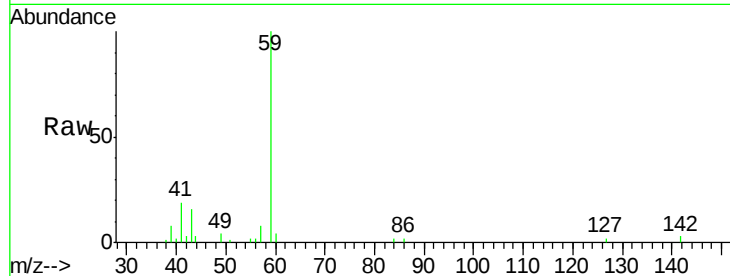
Tert butyl alcohol
Concen: 329.507 ug/l
RT: 4.07 min Scan# 269
Delta R.T. 0.04 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 107446
Ion Ratio Lower Upper
59 100
57 8.5 6.7 10.1

Manual Integrations
APPROVED

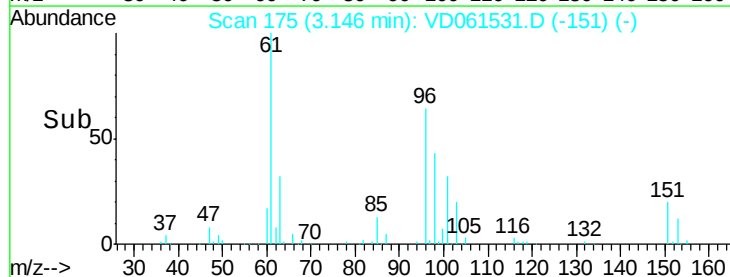
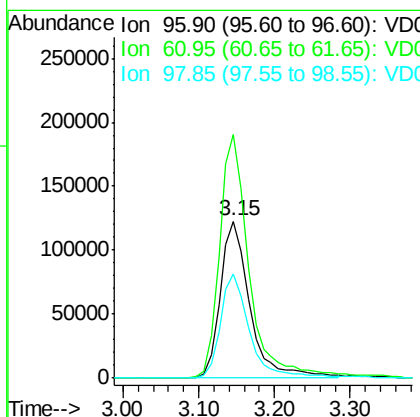
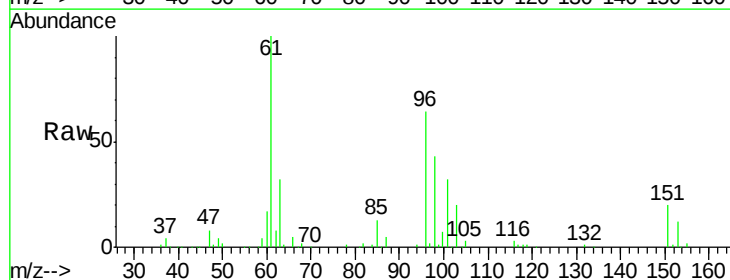
MMDadoda
4/3/2019 1:03:05 PM

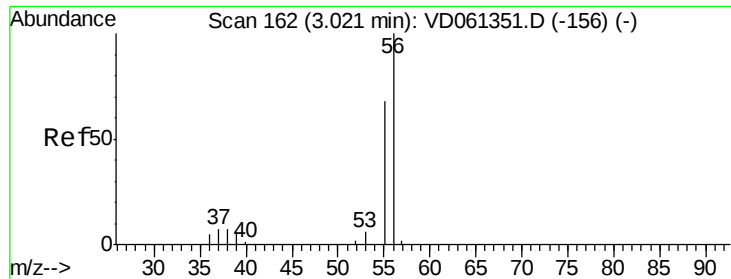


#12

1,1-Dichloroethene
Concen: 50.741 ug/l
RT: 3.15 min Scan# 175
Delta R.T. 0.04 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Tgt Ion: 96 Resp: 333826
Ion Ratio Lower Upper
96 100
61 155.2 124.9 187.3
98 66.0 52.5 78.7





#13

Acrolein

Concen: 216.251 ug/l

RT: 3.05 min Scan# 165

Delta R.T. 0.03 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 54495

Ion Ratio Lower Upper

56 100

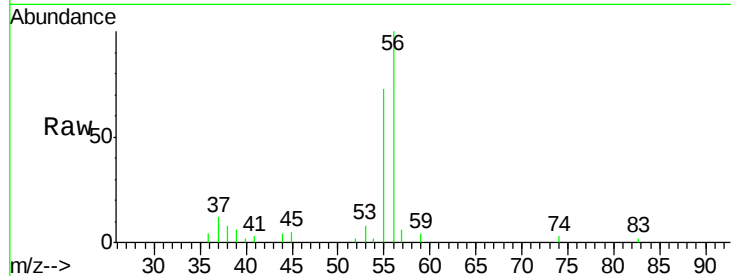
55 73.3 54.6 82.0

Manual Integrations

APPROVED

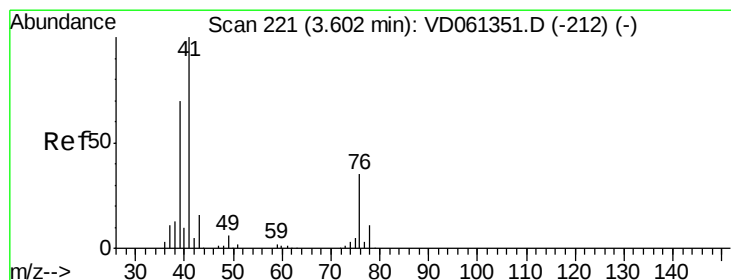
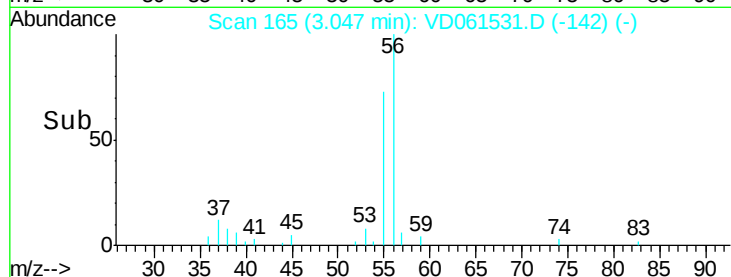
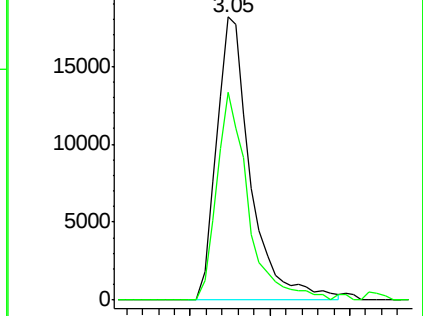
MMDadoda

4/3/2019 1:03:05 PM



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 54.031 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.04 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

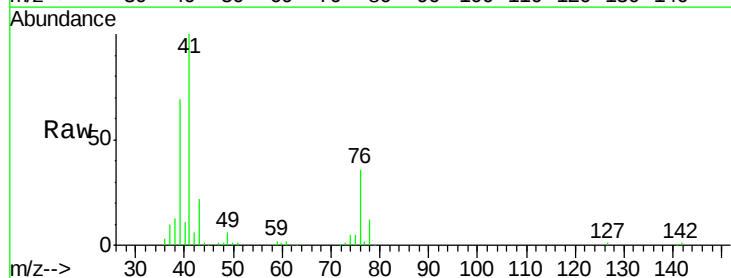
Tgt Ion: 41 Resp: 495809

Ion Ratio Lower Upper

41 100

39 68.8 55.6 83.4

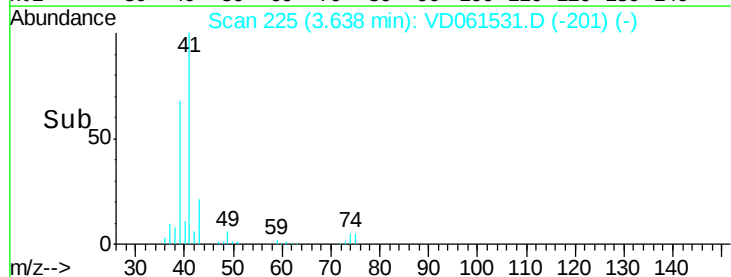
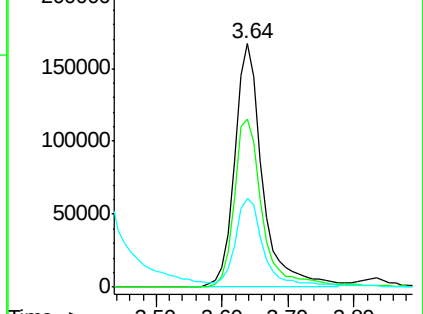
76 36.4 31.0 46.6

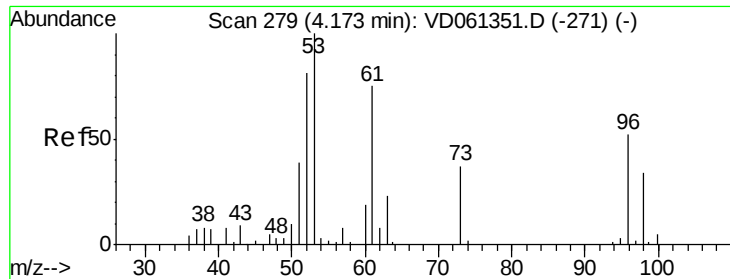


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 300.231 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.04 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

Instrument :

MSVOA_D

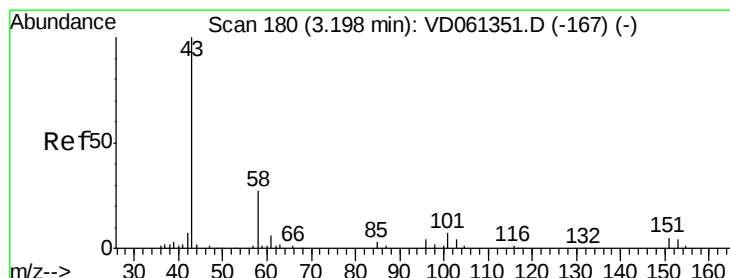
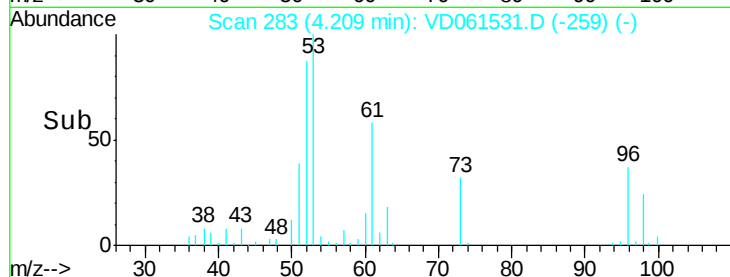
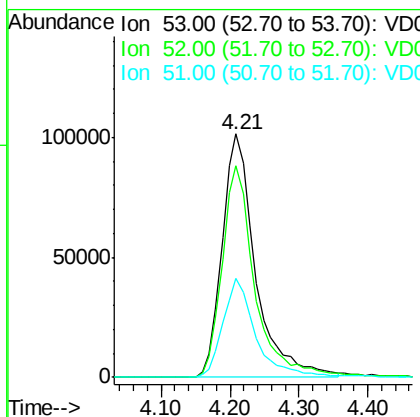
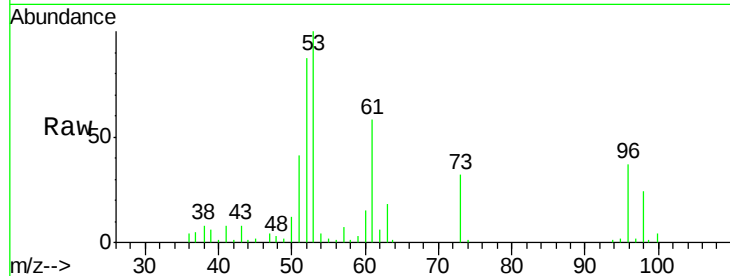
ClientSampleID :

VSTDCCC050EC

Tot Ion:	53	Resp:	339790
Ion	Ratio	Lower	Upper
53	100		
52	87.0	64.8	97.2
51	40.8	31.4	47.2

Manual Integrations
APPROVED

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4/3/2019 1:03:05 PM



#16

Acetone

Concen: 260.714 ug/l

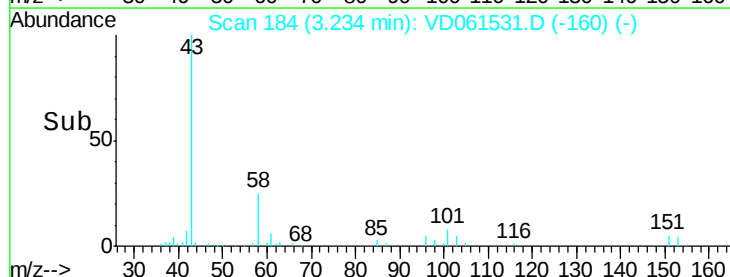
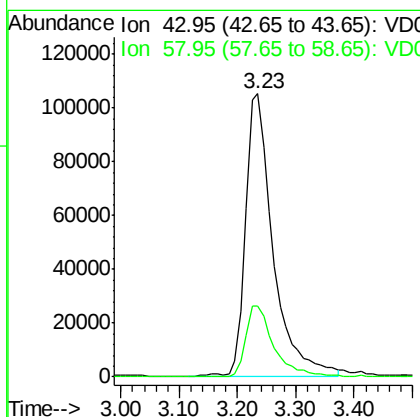
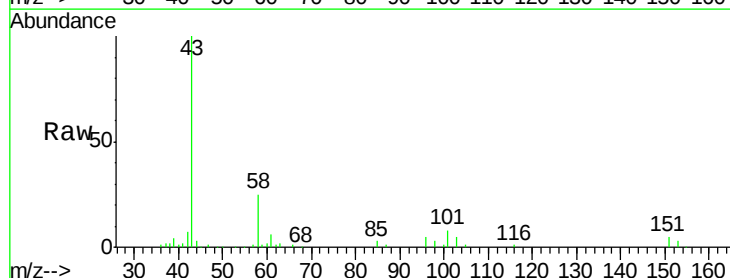
RT: 3.23 min Scan# 184

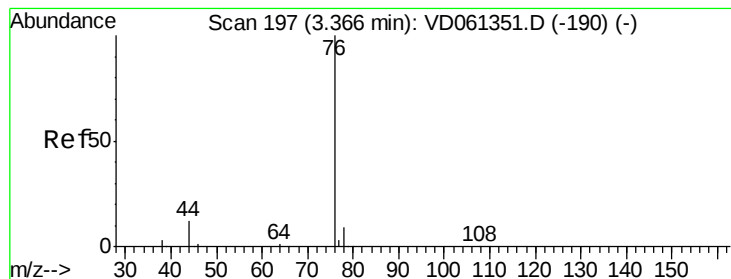
Delta R.T. 0.04 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

Tgt Ion:	43	Resp:	350920
Ion	Ratio	Lower	Upper
43	100		
58	25.2	21.5	32.3





#17

Carbon Disulfide

Concen: 43.965 ug/l

RT: 3.39 min Scan# 200

Delta R.T. 0.03 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 939790

Ion Ratio Lower Upper

76 100

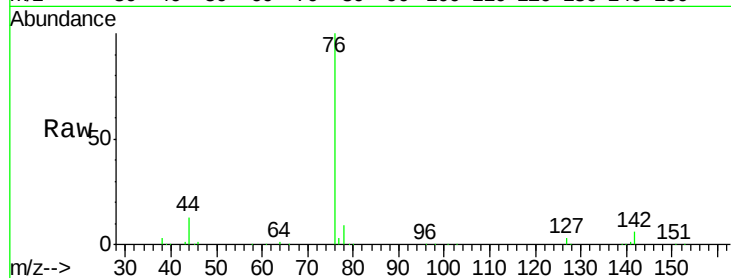
78 9.4 7.1 10.7

Manual Integrations

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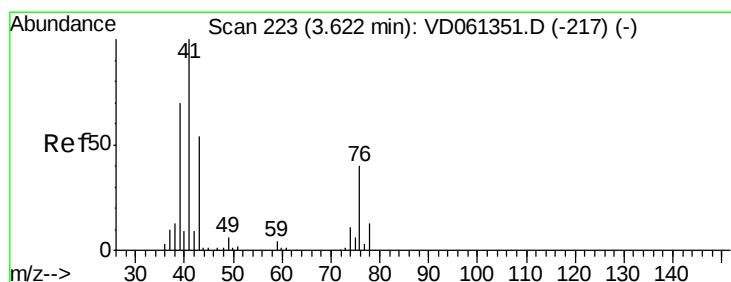
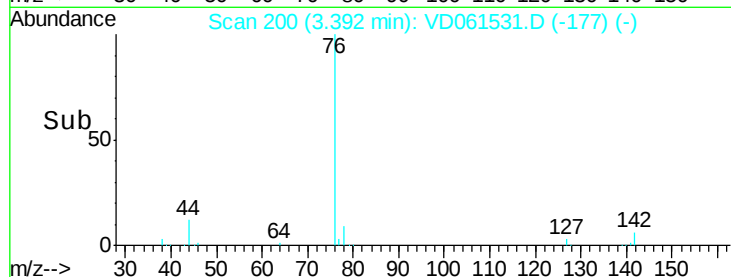
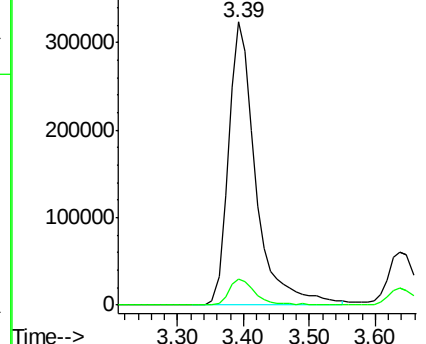
MMDadoda

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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 62.929 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.03 min

Lab File: VD061531.D

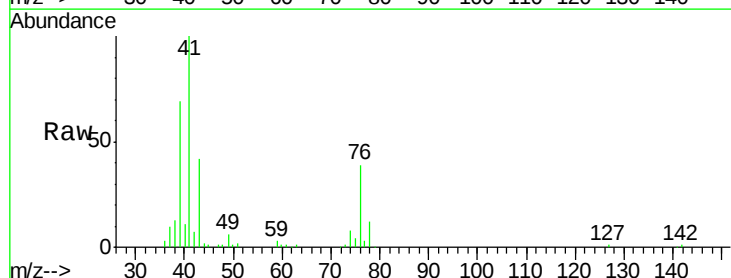
Acq: 2 Apr 2019 23:30

Tgt Ion: 43 Resp: 178090

Ion Ratio Lower Upper

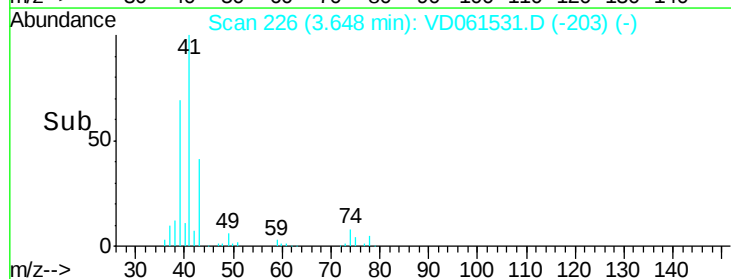
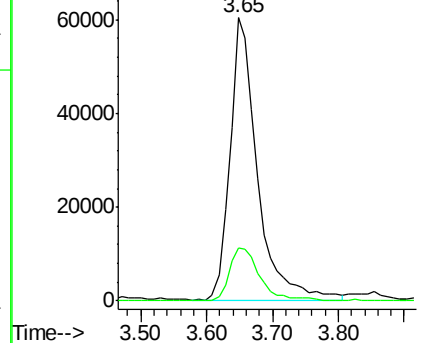
43 100

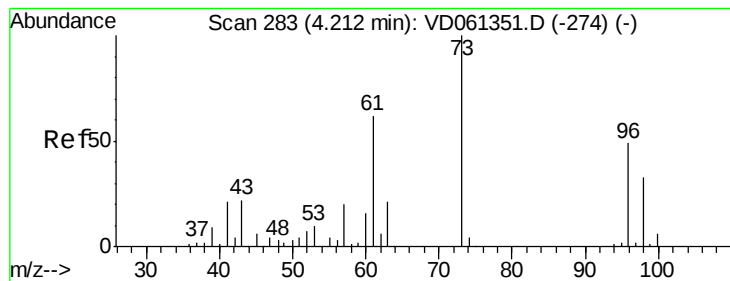
74 18.9 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





#19

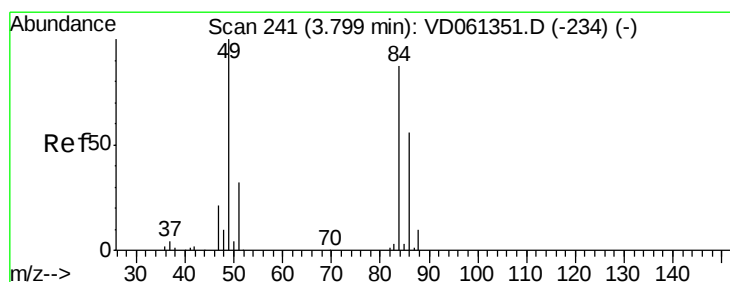
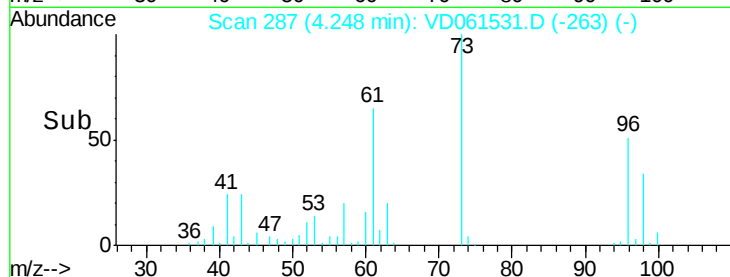
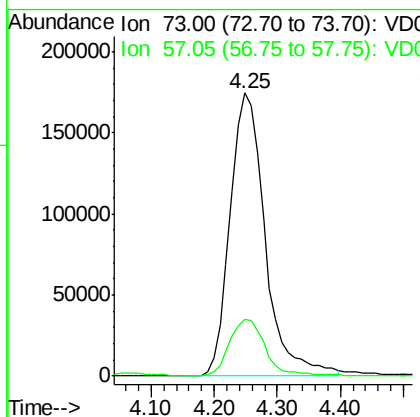
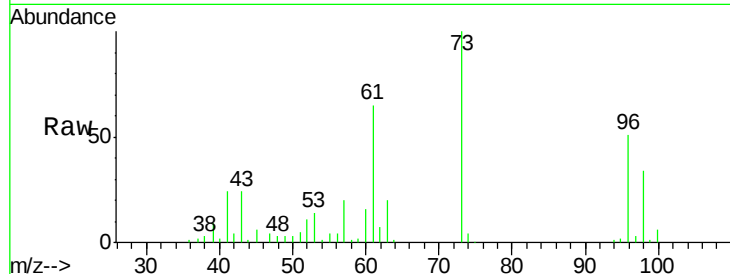
Methyl tert-butyl Ether
 Concen: 59.215 ug/l
 RT: 4.25 min Scan# 287
 Delta R.T. 0.04 min
 Lab File: VD061531.D
 Acq: 2 Apr 2019 23:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 73 Resp: 674364
 Ion Ratio Lower Upper
 73 100
 57 19.9 16.4 24.6

Manual Integrations
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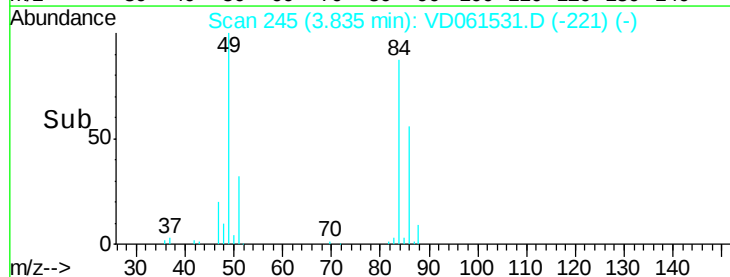
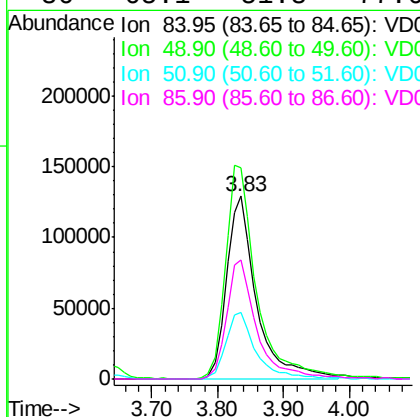
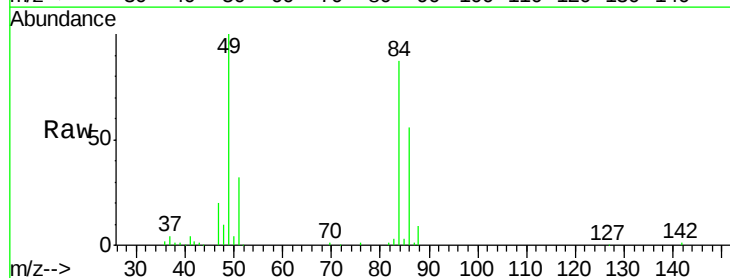
MMDadoda
 4/3/2019 1:03:05 PM

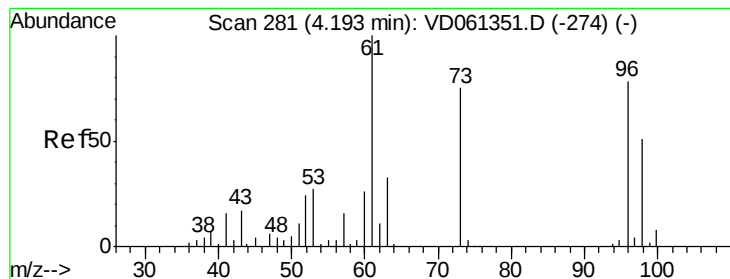


#20

Methylene Chloride
 Concen: 54.586 ug/l
 RT: 3.83 min Scan# 245
 Delta R.T. 0.04 min
 Lab File: VD061531.D
 Acq: 2 Apr 2019 23:30

Tgt Ion: 84 Resp: 410262
 Ion Ratio Lower Upper
 84 100
 49 115.5 91.8 137.8
 51 36.5 29.8 44.8
 86 65.1 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 51.475 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.05 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 365626

Ion Ratio Lower Upper

96 100

61 127.6 102.7 154.1

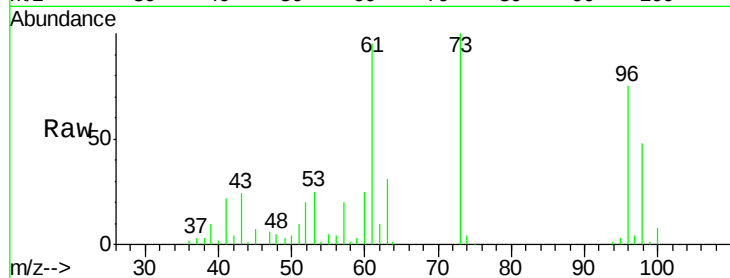
98 64.1 52.2 78.4

Manual Integrations

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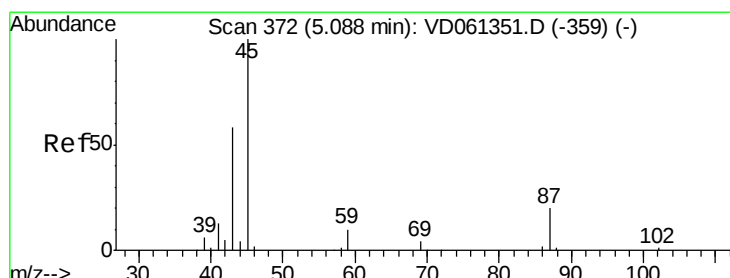
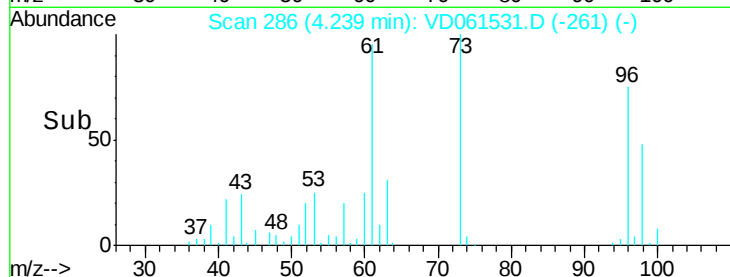
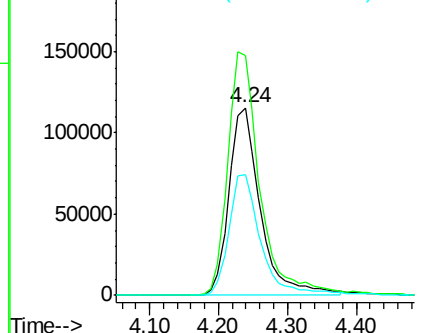
4/3/2019 1:03:05 PM



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 58.682 ug/l

RT: 5.13 min Scan# 377

Delta R.T. 0.05 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

Tgt Ion: 45 Resp: 1139518

Ion Ratio Lower Upper

45 100

43 62.8 47.4 71.2

87 20.4 16.3 24.5

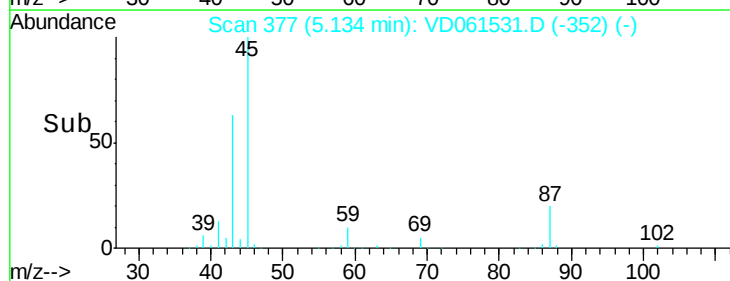
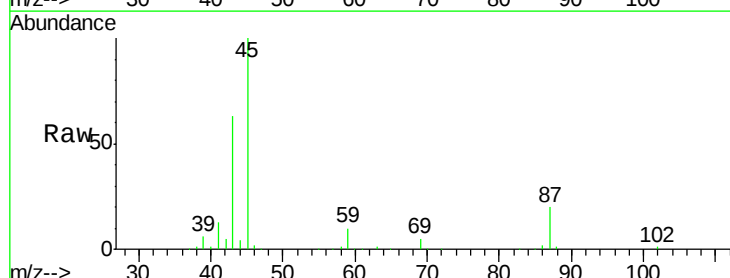
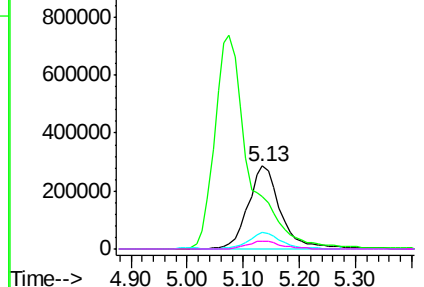
59 9.6 8.4 12.6

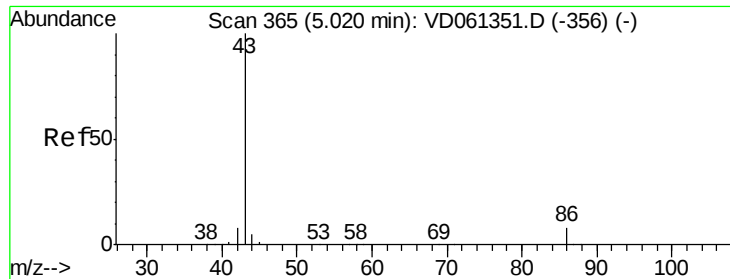
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





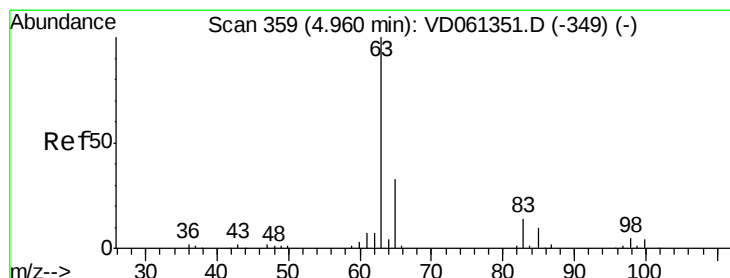
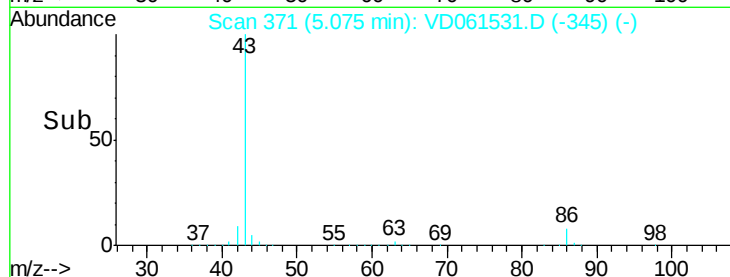
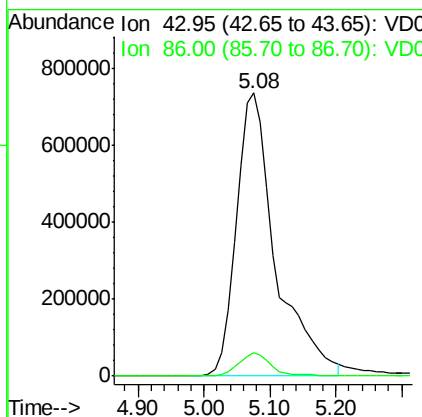
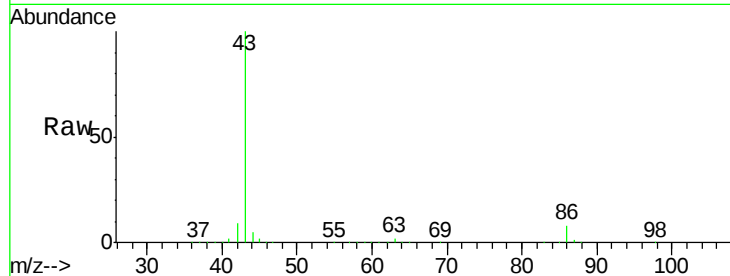
#23
 Vinyl Acetate
 Concen: 290.941 ug/l
 RT: 5.08 min Scan# 371
 Delta R.T. 0.06 min
 Lab File: VD061531.D
 Acq: 2 Apr 2019 23:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 3068853
 Ion Ratio Lower Upper
 43 100
 86 8.2 6.7 10.1

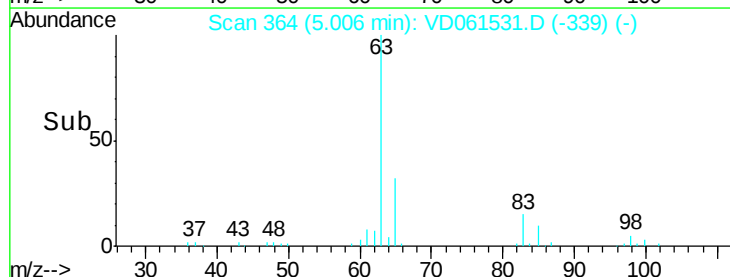
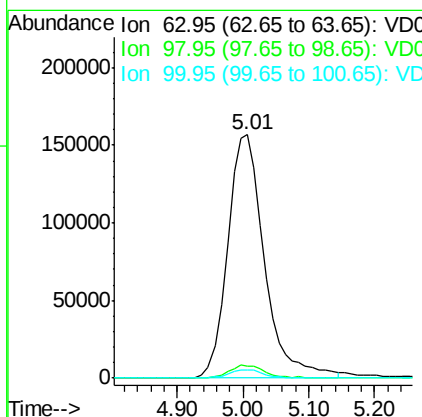
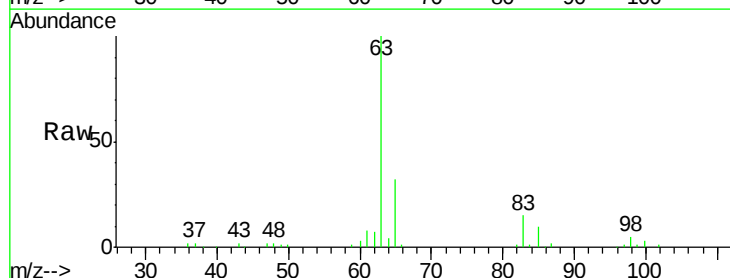
Manual Integrations
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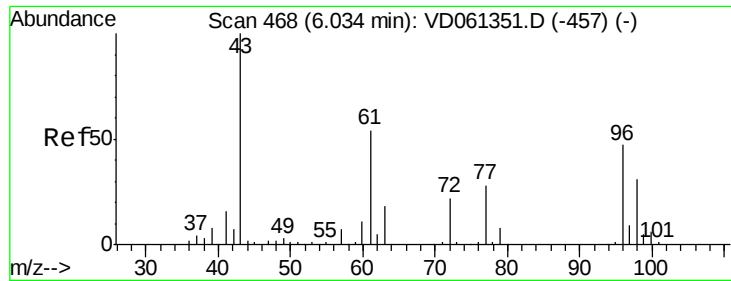
MMDadoda
 4/3/2019 1:03:05 PM



#24
 1,1-Dichloroethane
 Concen: 53.645 ug/l
 RT: 5.01 min Scan# 364
 Delta R.T. 0.05 min
 Lab File: VD061531.D
 Acq: 2 Apr 2019 23:30

Tgt Ion: 63 Resp: 612203
 Ion Ratio Lower Upper
 63 100
 98 5.1 2.6 8.0
 100 3.2 1.8 5.3





#25

2-Butanone

Concen: 285.744 ug/l

RT: 6.08 min Scan# 473

Delta R.T. 0.05 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

Tot Ion: 43 Resp: 483806

Ion Ratio Lower Upper

43 100

72 22.6 17.2 25.8

Instrument :

MSVOA_D

ClientSampleId :

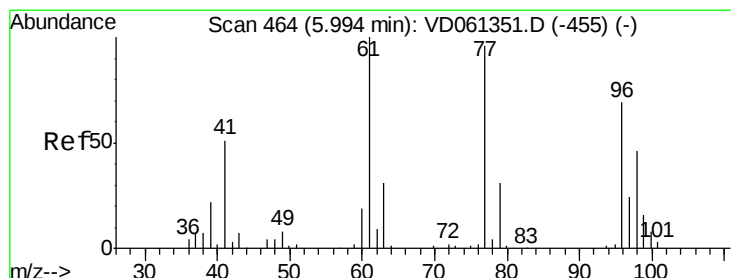
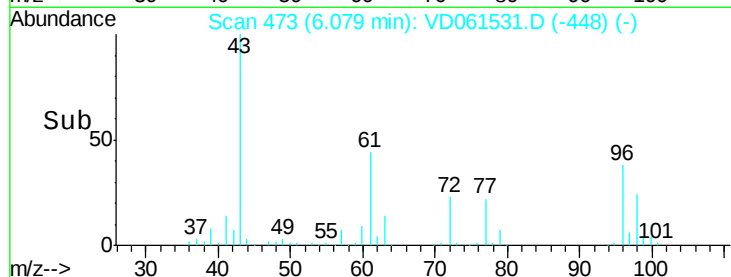
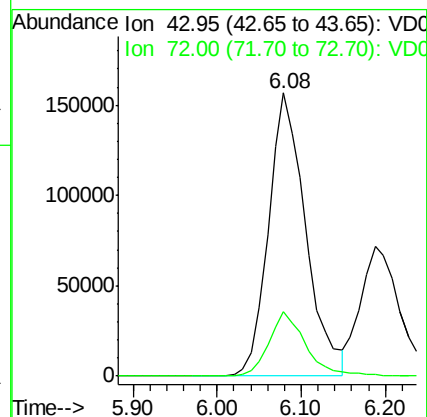
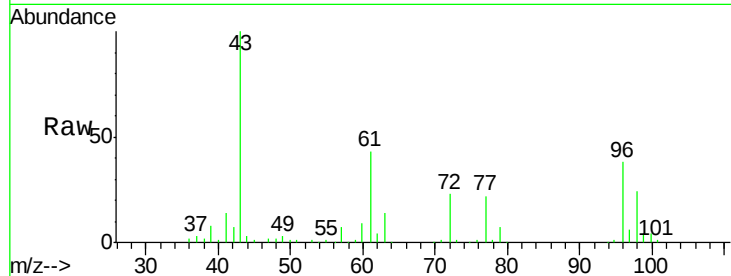
VSTDCCC050EC

Manual Integrations

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4/3/2019 1:03:05 PM



#26

2,2-Dichloropropane

Concen: 51.412 ug/l

RT: 6.03 min Scan# 468

Delta R.T. 0.04 min

Lab File: VD061531.D

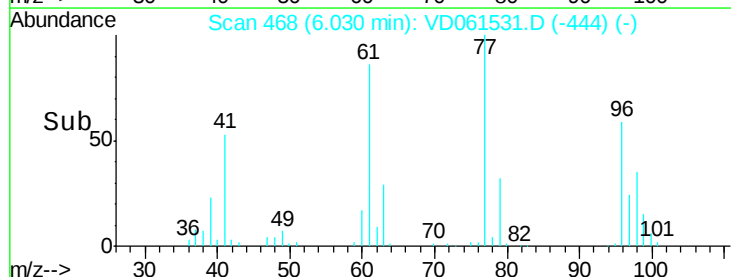
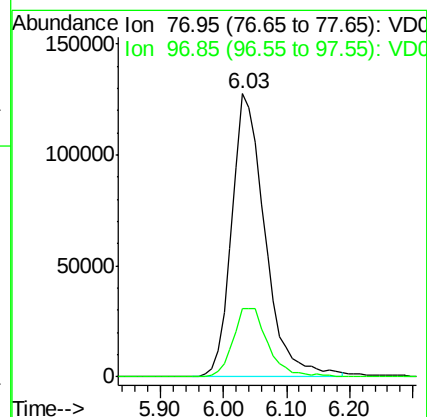
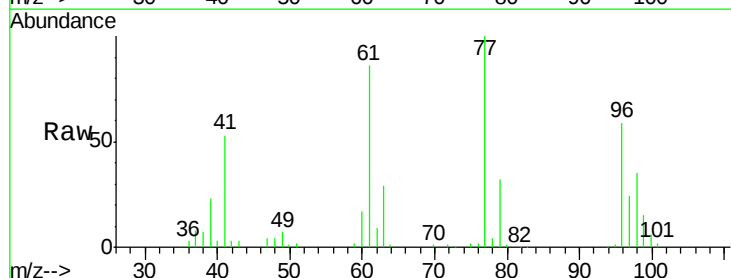
Acq: 2 Apr 2019 23:30

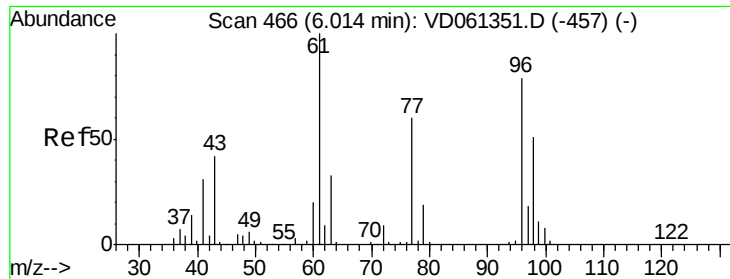
Tgt Ion: 77 Resp: 466402

Ion Ratio Lower Upper

77 100

97 24.2 12.7 38.0





#27

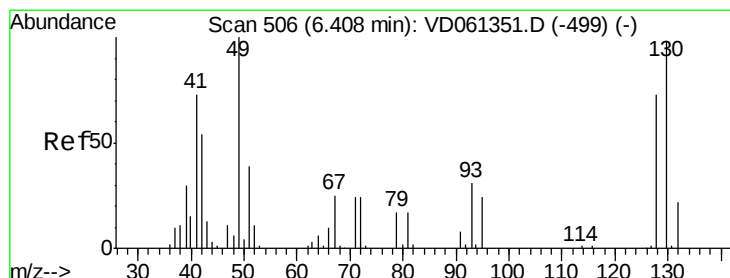
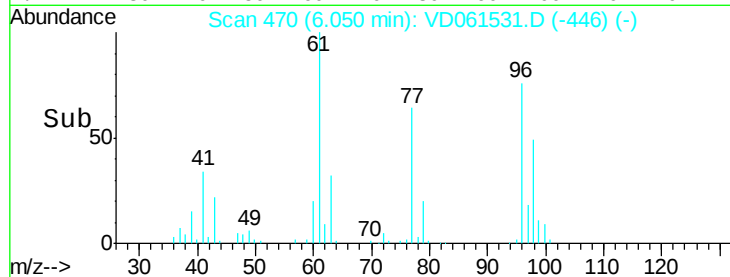
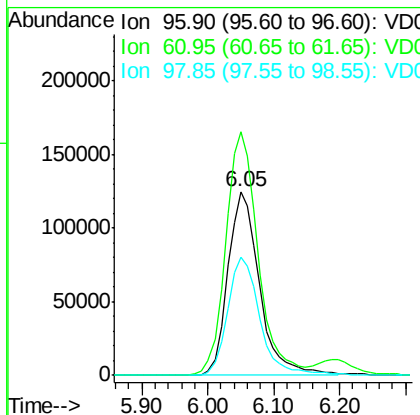
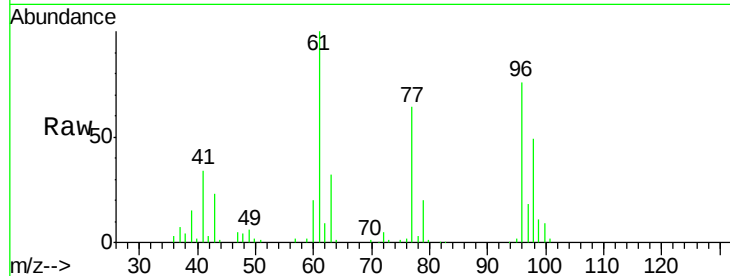
cis-1,2-Dichloroethene
Concen: 54.209 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.04 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	421873		
61	132.3	0.0	251.6	
98	64.3	0.0	129.2	

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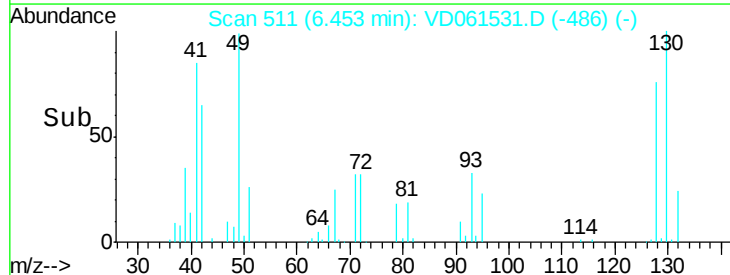
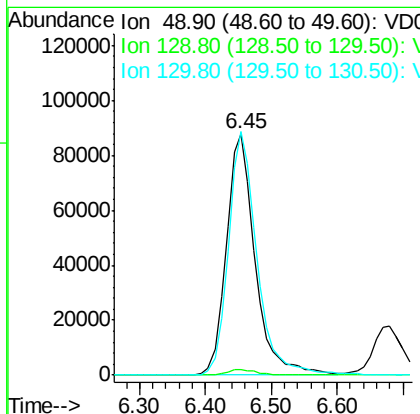
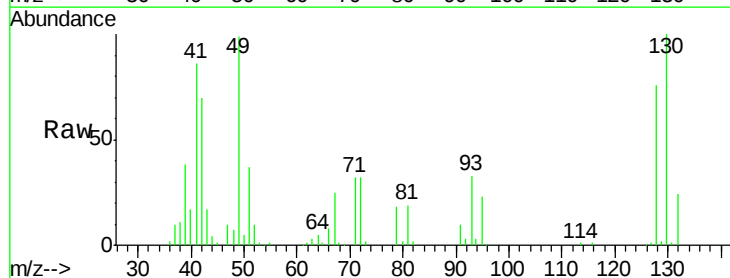
MMDadoda
4/3/2019 1:03:05 PM

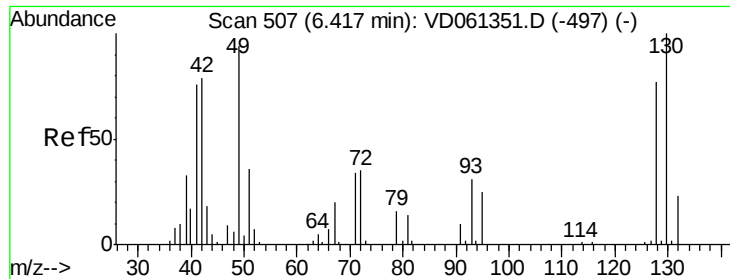


#28

Bromochloromethane
Concen: 58.214 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.05 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	268173		
129	2.5	0.0	0.0#	
130	100.9	78.4	117.6	





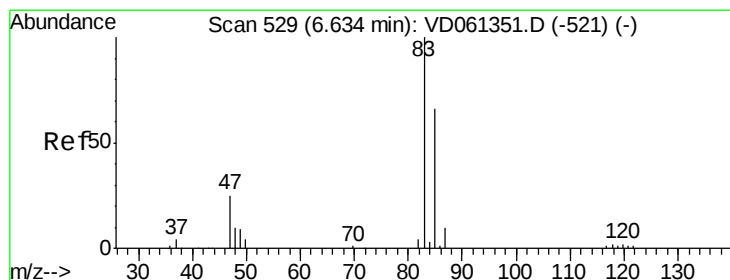
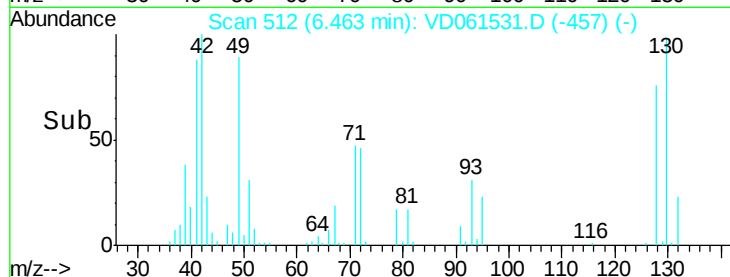
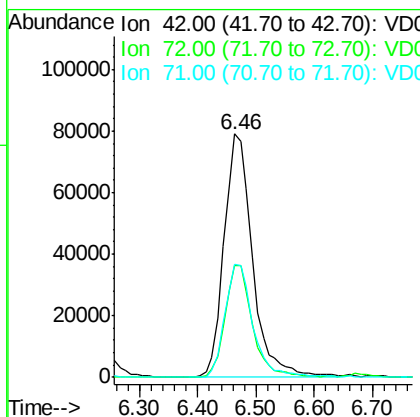
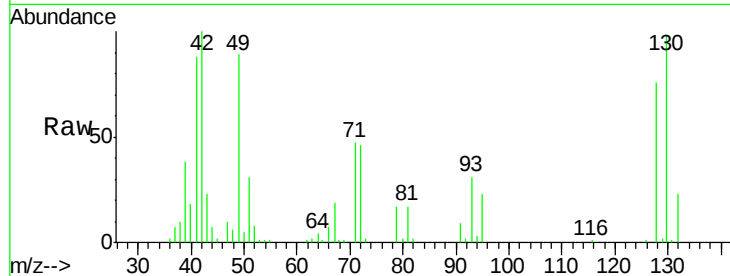
#29
Tetrahydrofuran
Concen: 328.687 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.05 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.3	37.4	56.0
71	45.6	36.7	55.1

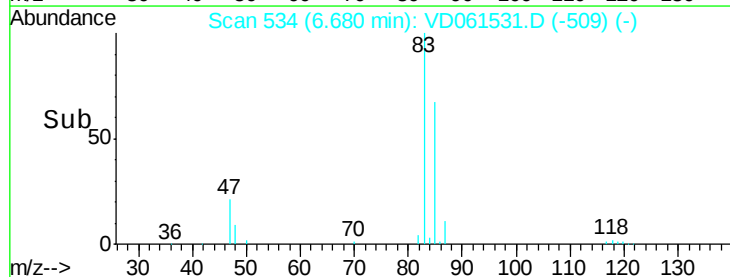
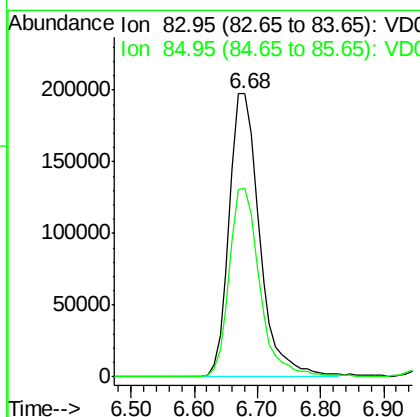
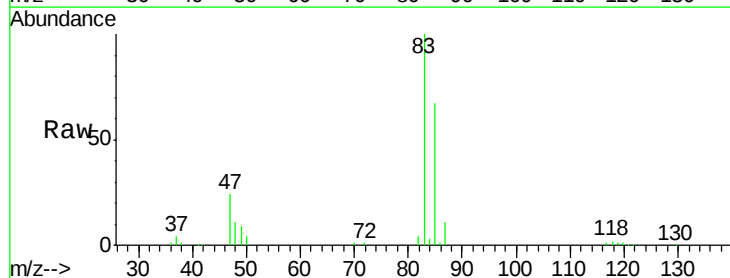
Manual Integrations
APPROVED

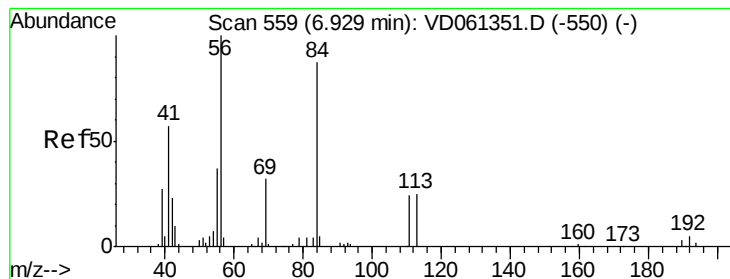
MMDadoda
4/3/2019 1:03:05 PM



#30
Chloroform
Concen: 55.976 ug/l
RT: 6.68 min Scan# 534
Delta R.T. 0.05 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.7	53.0	79.4





#31

Cyclohexane

Concen: 48.464 ug/l

RT: 6.96 min Scan# 562

Delta R.T. 0.03 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 437063

Ion Ratio Lower Upper

56 100

69 30.9 25.7 38.5

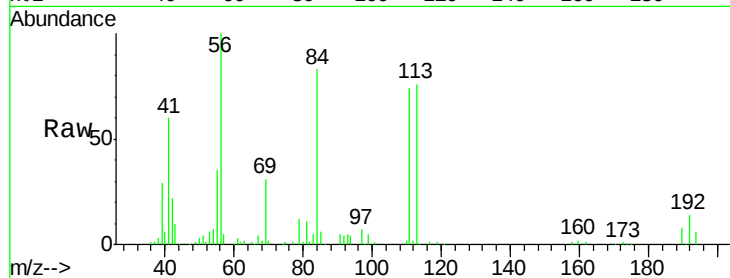
84 83.3 70.6 105.8

Manual Integrations

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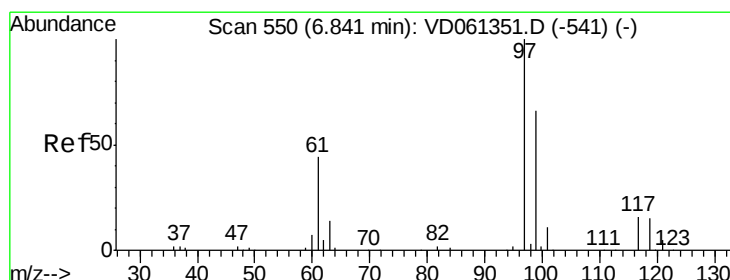
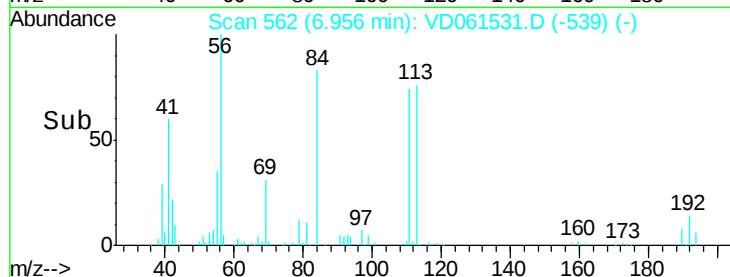
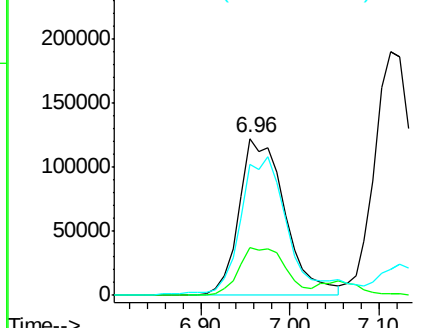
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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 54.100 ug/l

RT: 6.89 min Scan# 555

Delta R.T. 0.05 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

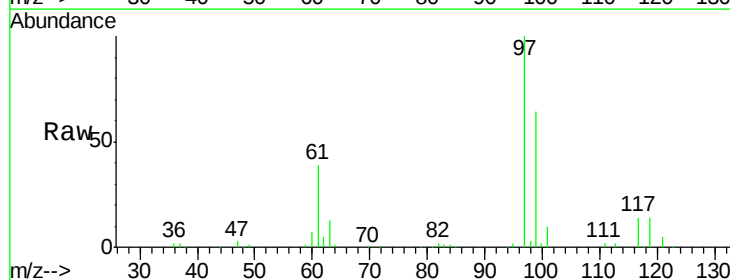
Tgt Ion: 97 Resp: 562795

Ion Ratio Lower Upper

97 100

99 64.4 53.1 79.7

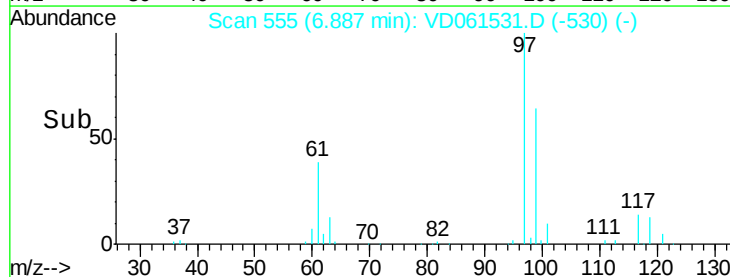
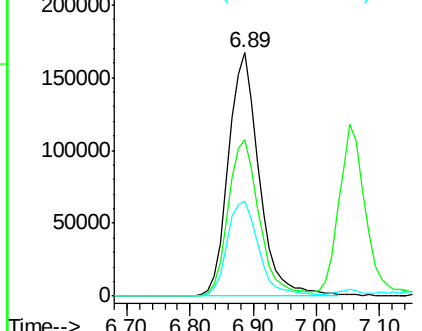
61 38.9 35.5 53.3

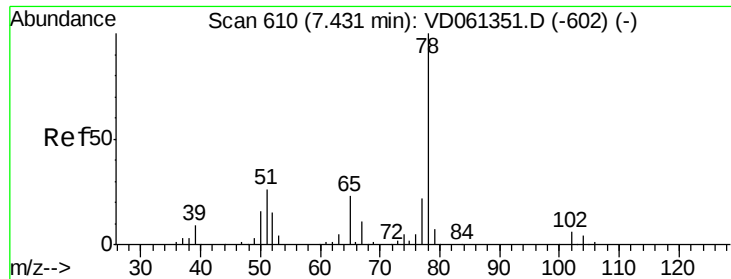


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 54.100 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.04 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

Tot Ion: 65 Resp: 304922

Ion Ratio Lower Upper

65 100

67 49.3 0.0 99.8

Instrument :

MSVOA_D

ClientSampleId :

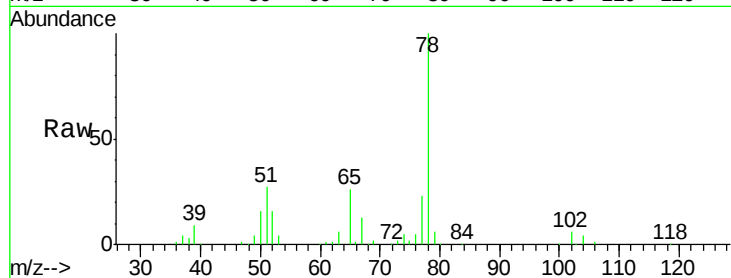
VSTDCCC050EC

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.47

100000

80000

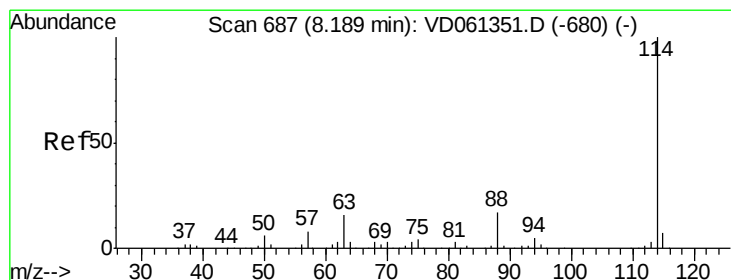
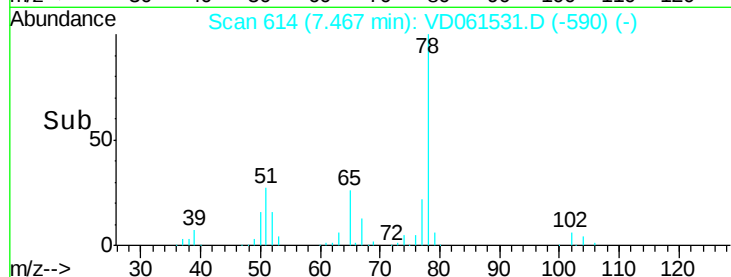
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.23 min Scan# 691

Delta R.T. 0.04 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

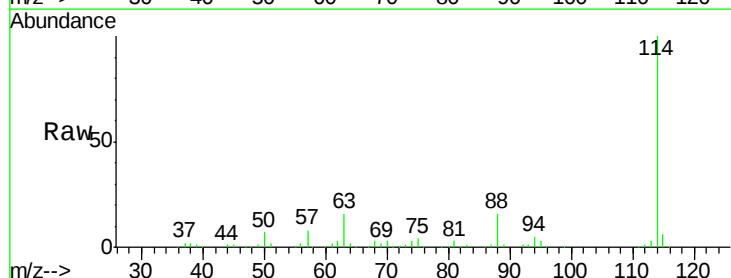
Tgt Ion: 114 Resp: 1066946

Ion Ratio Lower Upper

114 100

63 16.3 0.0 31.6

88 16.1 0.0 33.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.23

500000

400000

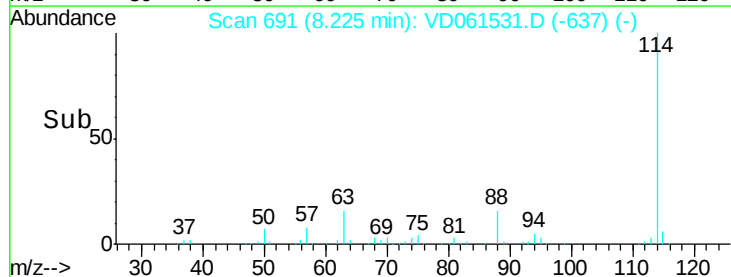
300000

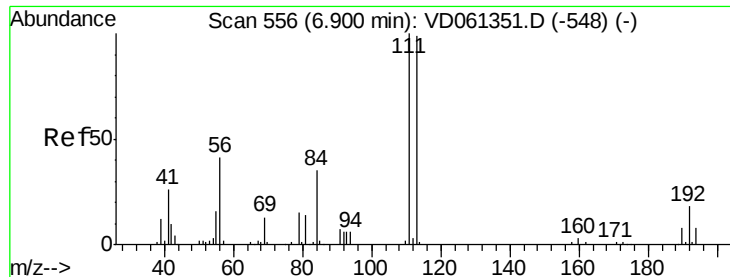
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.04 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

Instrument :

MSVOA_D

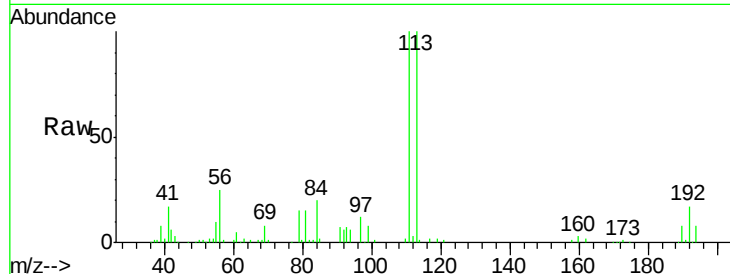
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	448326
Ion Ratio	Lower	Upper	
113	100		
111	99.6	81.0	121.6
192	17.1	14.4	21.6

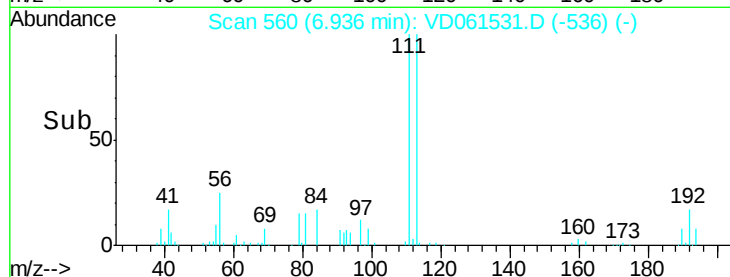
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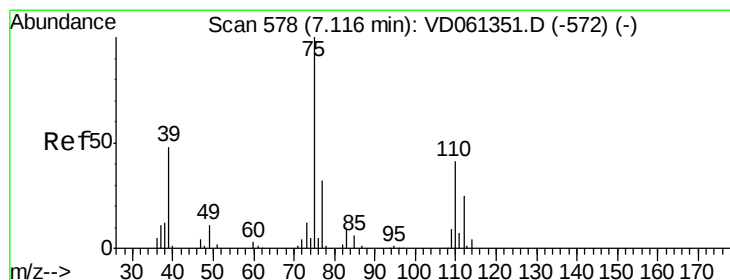


Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V

6.94



Time-->



#36

1,1-Dichloropropene

Concen: 50.114 ug/l

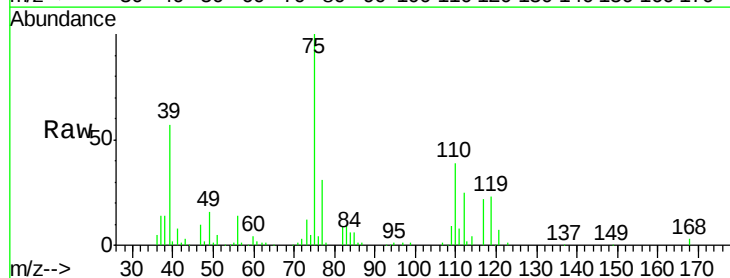
RT: 7.16 min Scan# 583

Delta R.T. 0.05 min

Lab File: VD061531.D

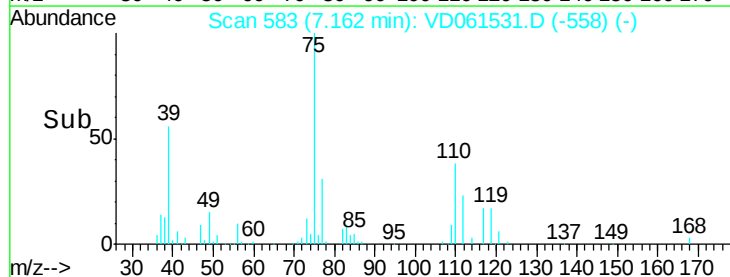
Acq: 2 Apr 2019 23:30

Tgt Ion:	75	Resp:	466663
Ion Ratio	Lower	Upper	
75	100		
110	38.6	20.4	61.3
77	30.8	24.9	37.3

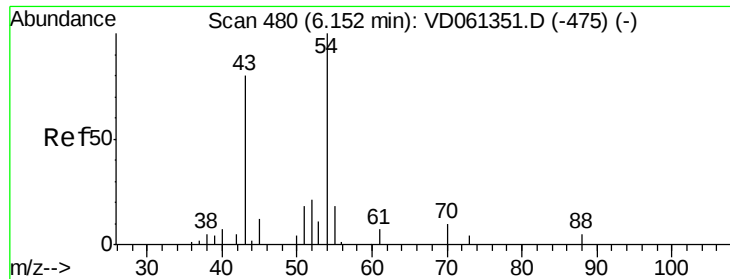


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

7.16



Time-->



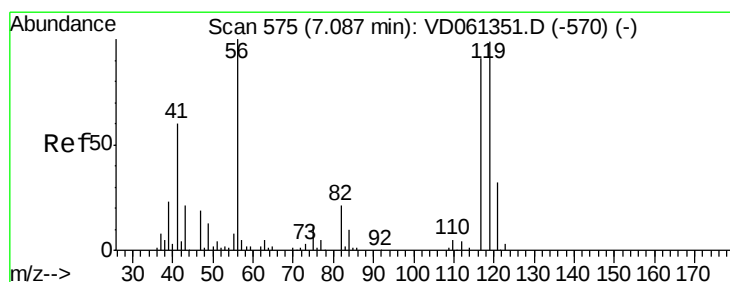
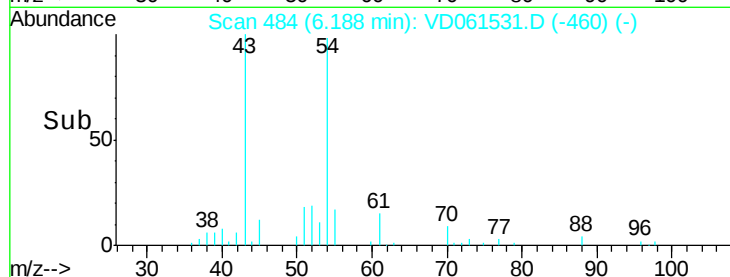
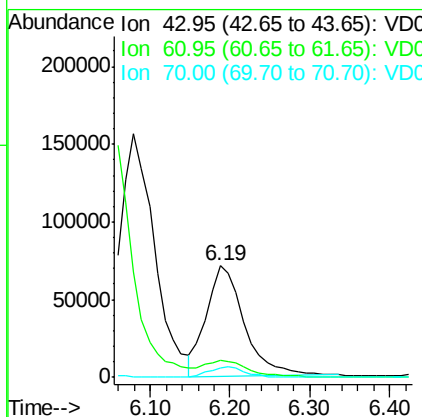
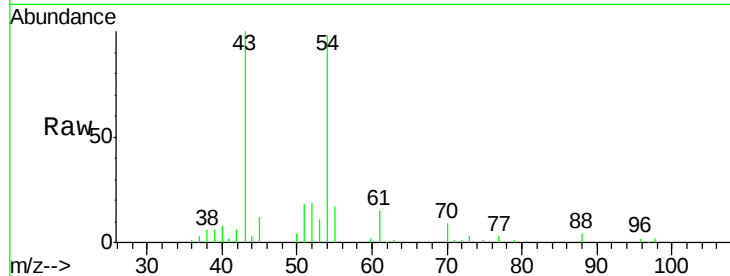
#37
Ethyl Acetate
Concen: 59.185 ug/l
RT: 6.19 min Scan# 484
Delta R.T. 0.04 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	13.8	20.8
70	8.5	7.8	11.8

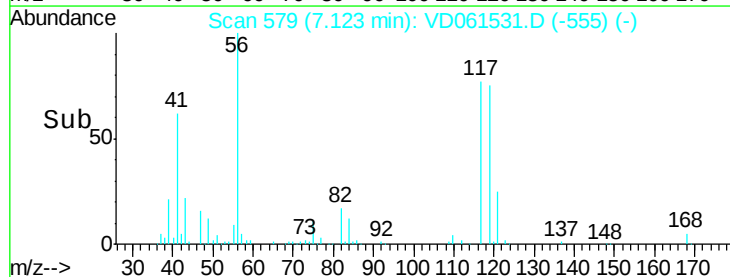
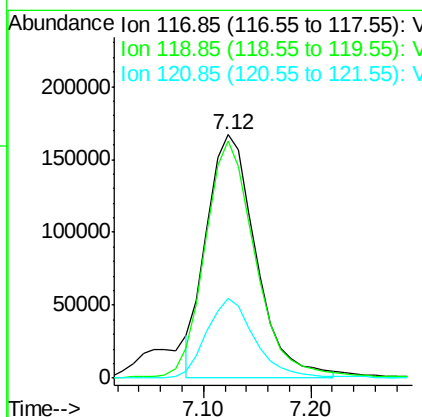
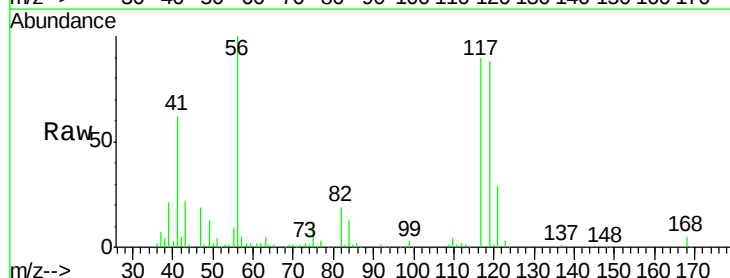
Manual Integrations
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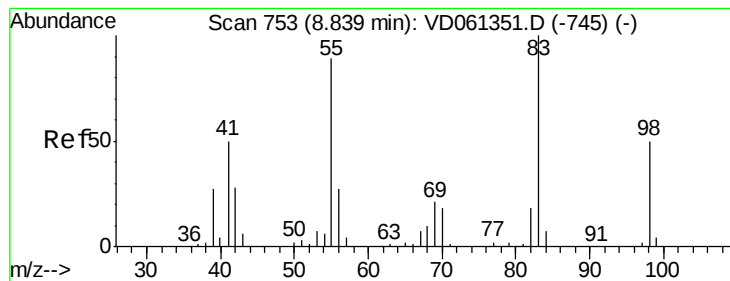
MMDadoda
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#38
Carbon Tetrachloride
Concen: 50.099 ug/l m
RT: 7.12 min Scan# 579
Delta R.T. 0.04 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	80.1	120.1
121	32.7	25.6	38.4





#39

Methvlcvclohexane

Concen: 52.105 ug/l

RT: 8.88 min Scan# 757

Delta R.T. 0.04 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 505333

Ion Ratio Lower Upper

83 100

55 85.9 71.5 107.3

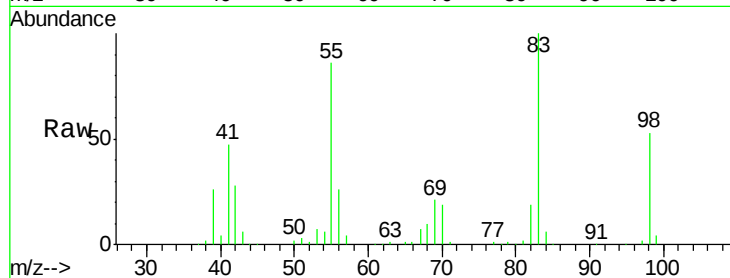
98 52.8 40.3 60.5

Manual Integrations

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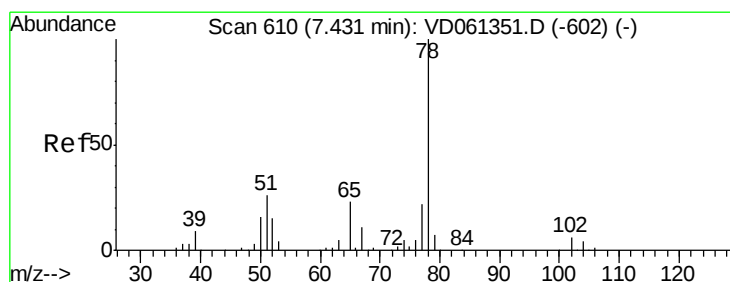
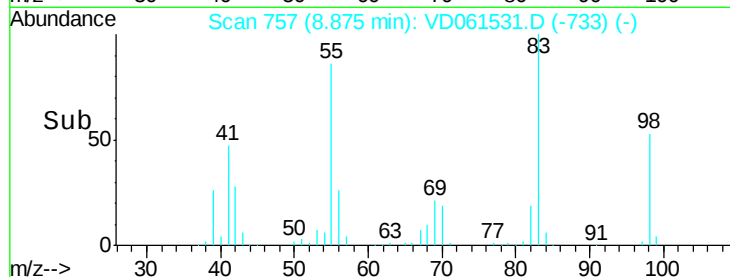
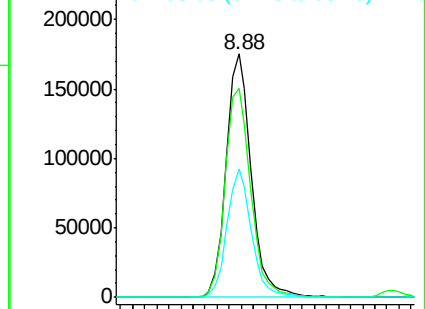
4/3/2019 1:03:05 PM



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 51.969 ug/l

RT: 7.47 min Scan# 614

Delta R.T. 0.04 min

Lab File: VD061531.D

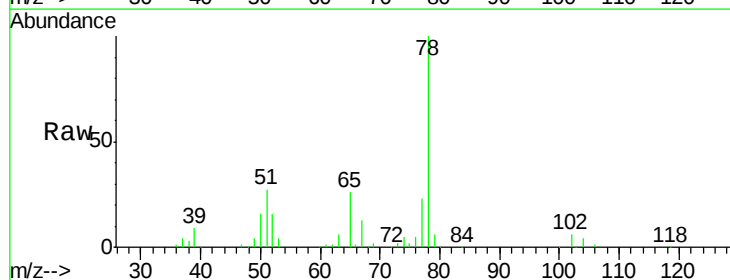
Acq: 2 Apr 2019 23:30

Tgt Ion: 78 Resp: 1214557

Ion Ratio Lower Upper

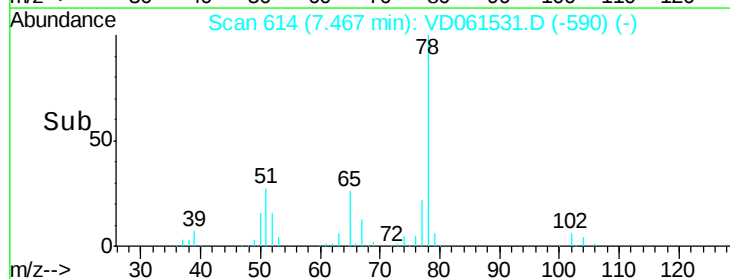
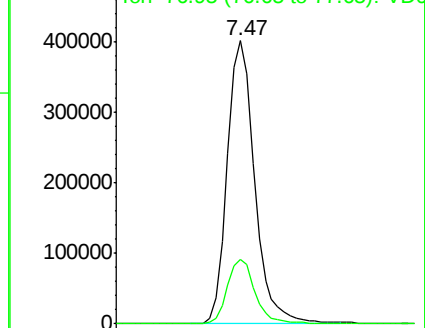
78 100

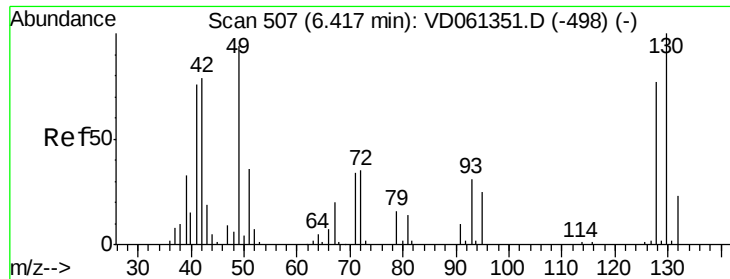
77 22.9 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





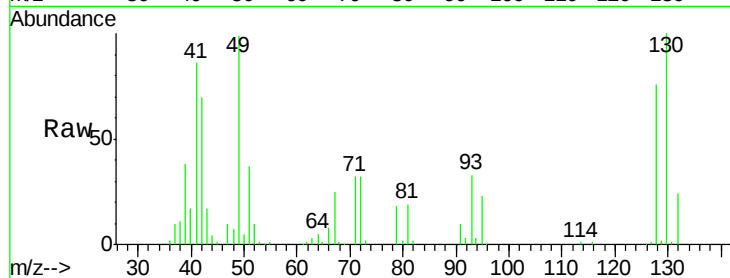
#41
Methacrylonitrile
Concen: 63.478 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.04 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

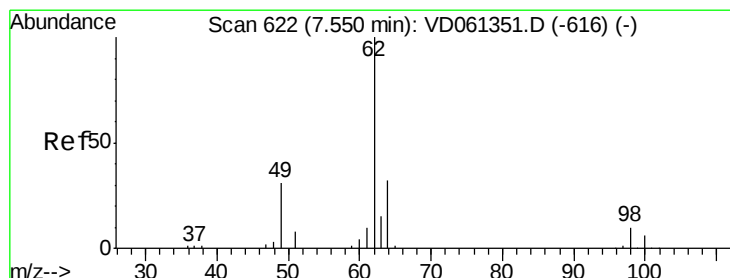
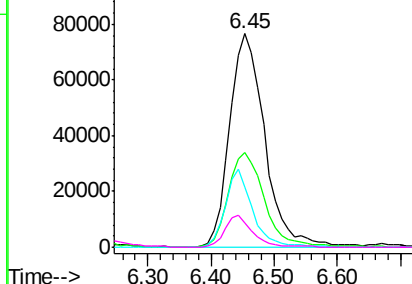
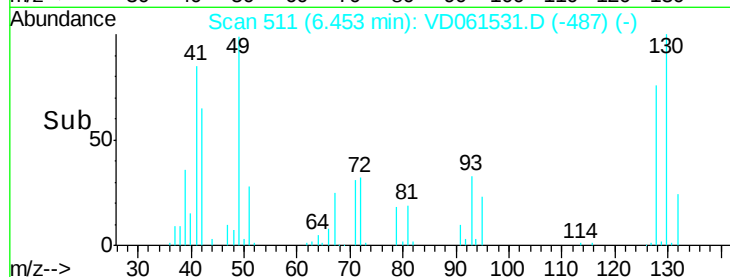
Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	44.2	35.0	52.6	
67	28.4	21.0	31.6	
52	11.4	7.7	11.5	

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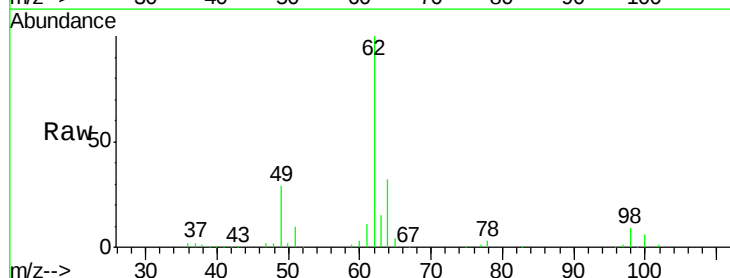


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

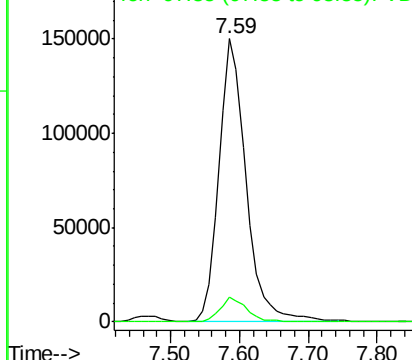
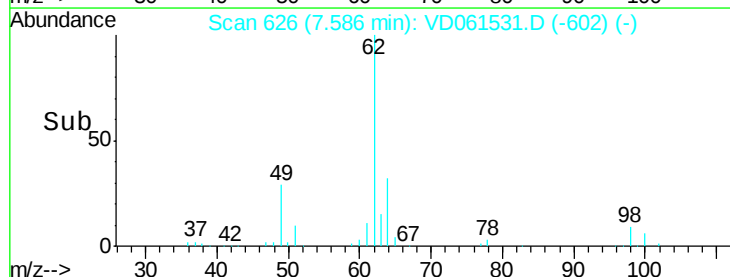


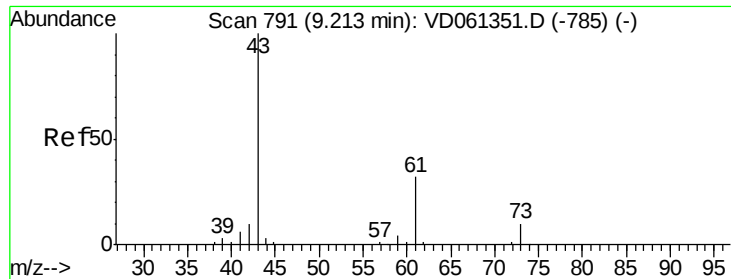
#42
1,2-Dichloroethane
Concen: 58.864 ug/l
RT: 7.59 min Scan# 626
Delta R.T. 0.04 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.9	0.0	19.8	



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

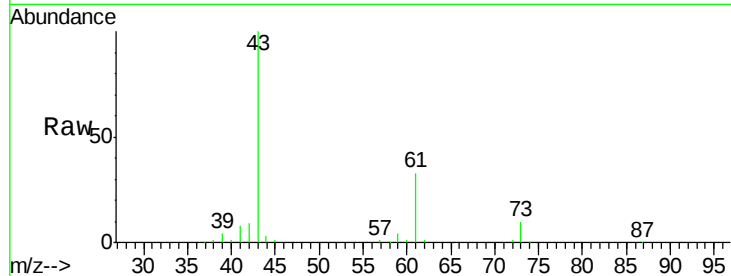
Isopropyl Acetate
 Concen: 56.700 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.04 min
 Lab File: VD061531.D
 Acq: 2 Apr 2019 23:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

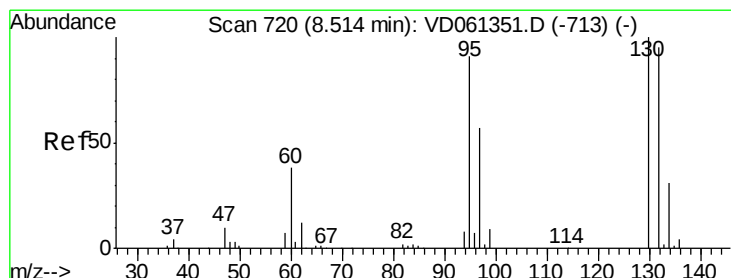
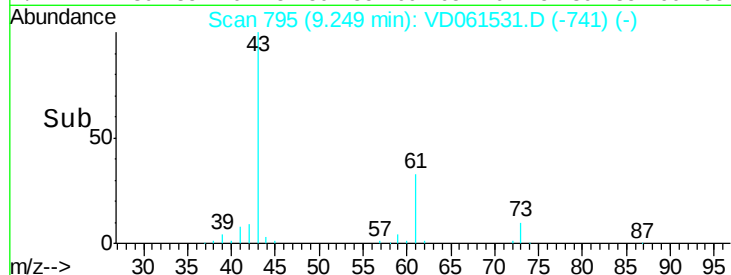
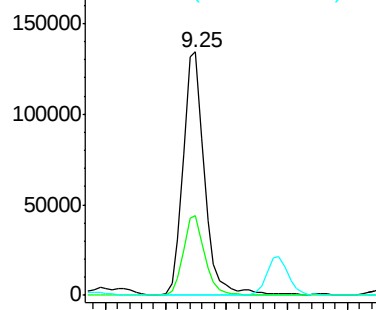
Tot Ion	Ratio	Lower	Upper
43	100		
61	32.6	25.8	38.6
87	0.3	0.0	0.0

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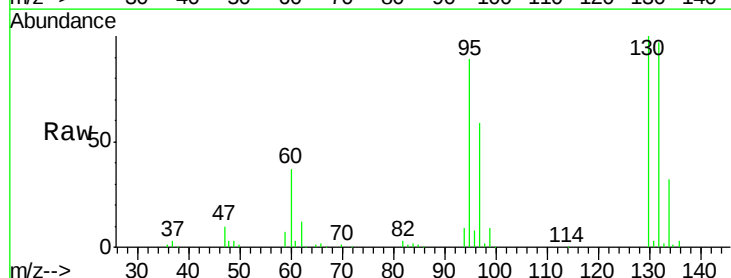
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



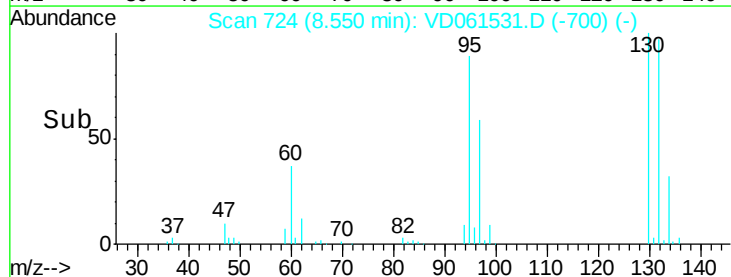
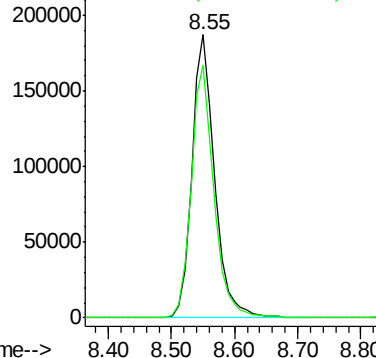
#44

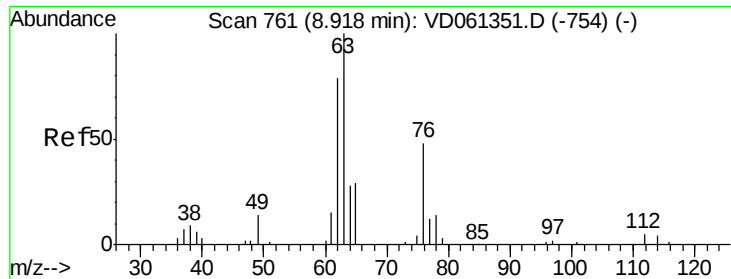
Trichloroethene
 Concen: 53.709 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. 0.04 min
 Lab File: VD061531.D
 Acq: 2 Apr 2019 23:30

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.4	0.0	181.4



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 58.326 ug/l

RT: 8.94 min Scan# 764

Delta R.T. 0.03 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 345645

Ion Ratio Lower Upper

63 100

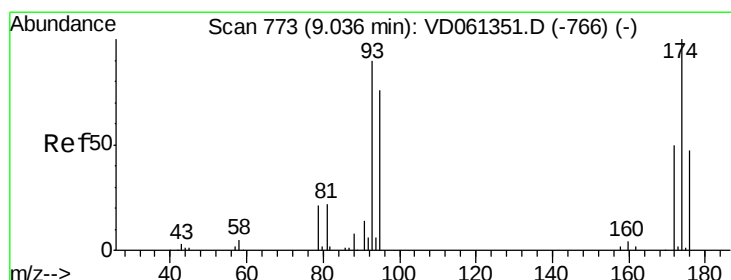
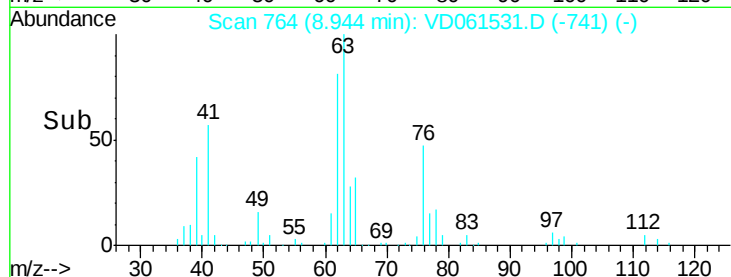
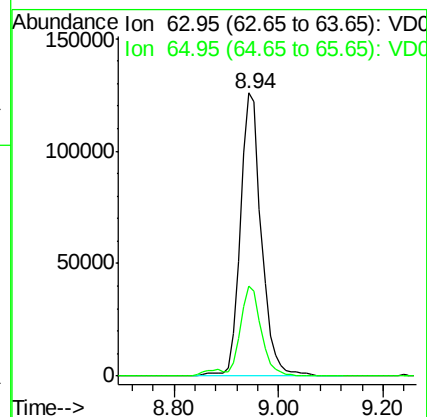
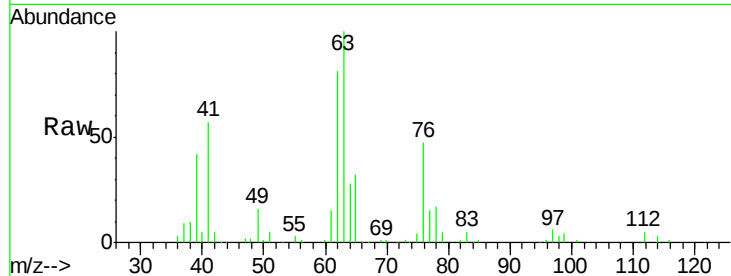
65 31.8 25.0 37.4

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#46

Dibromomethane

Concen: 57.327 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.04 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

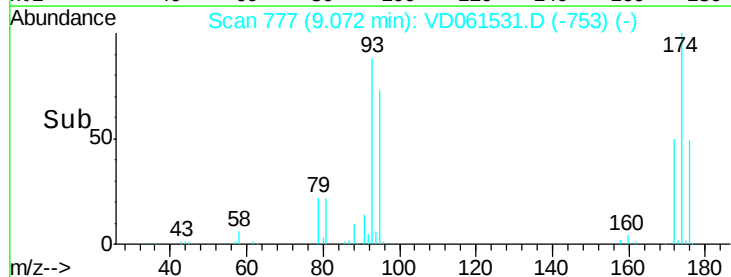
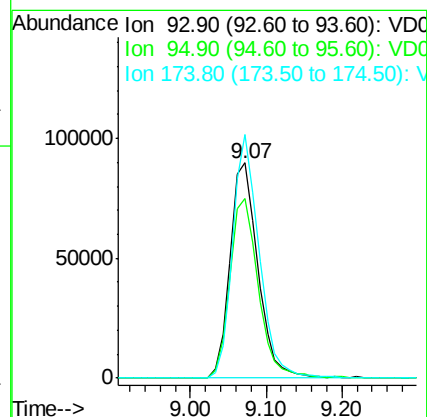
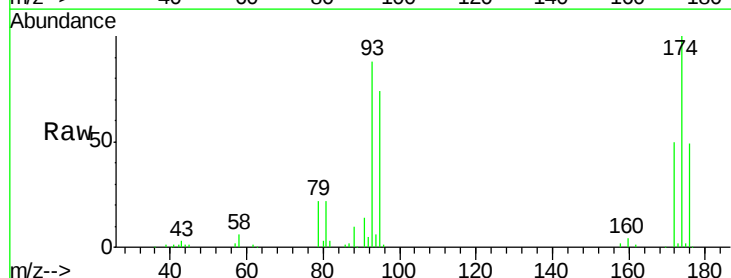
Tgt Ion: 93 Resp: 228662

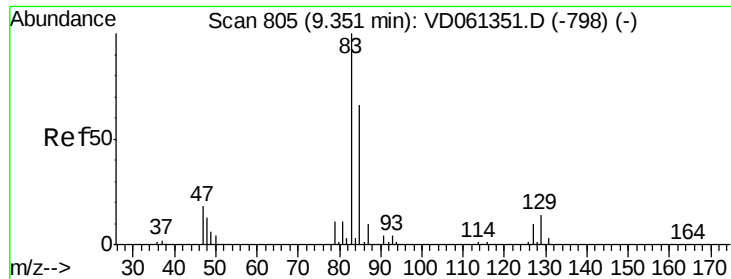
Ion Ratio Lower Upper

93 100

95 83.6 67.4 101.0

174 113.3 88.9 133.3





#47

Bromodichloromethane

Concen: 58.471 ug/l

RT: 9.39 min Scan# 809

Delta R.T. 0.04 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

Instrument :

MSVOA_D

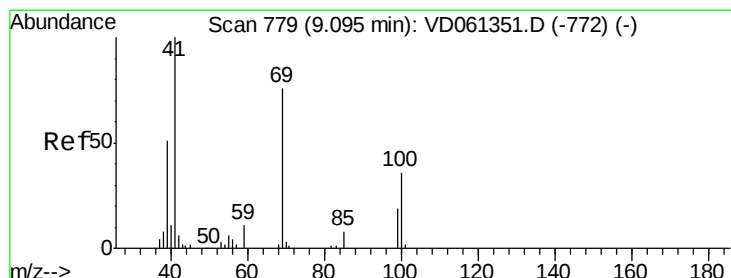
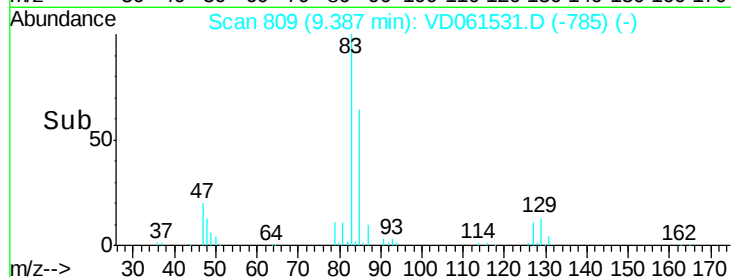
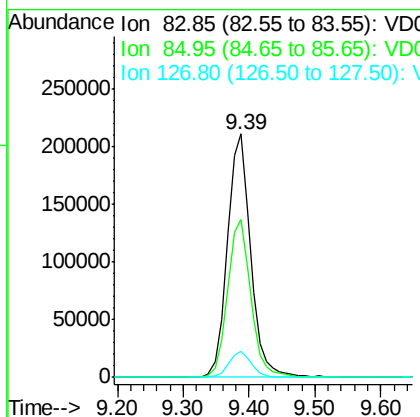
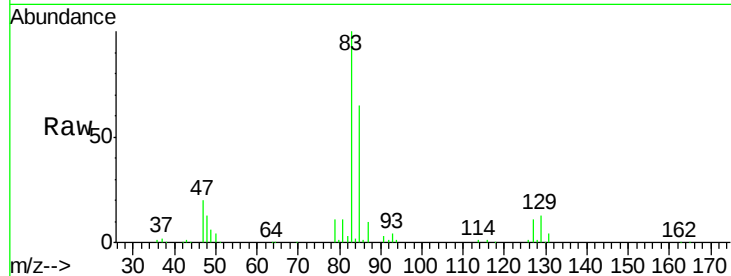
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	523460
Ion	Ratio	Lower	Upper
83	100		
85	64.8	53.0	79.4
127	10.6	8.4	12.6

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#48

Methyl methacrylate

Concen: 62.363 ug/l

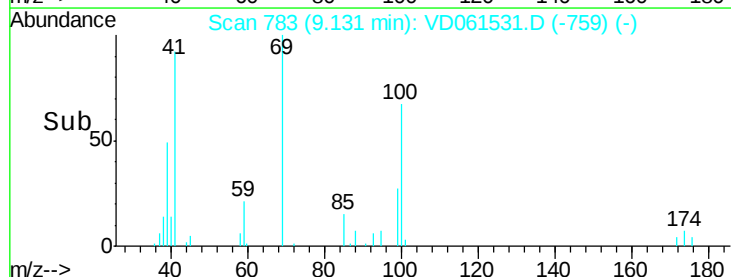
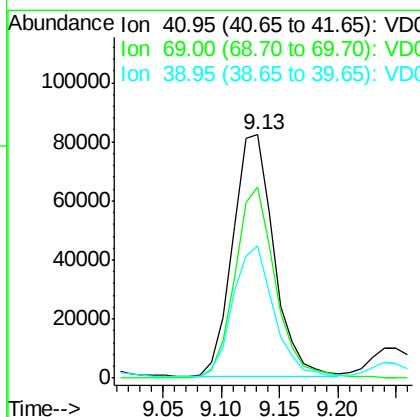
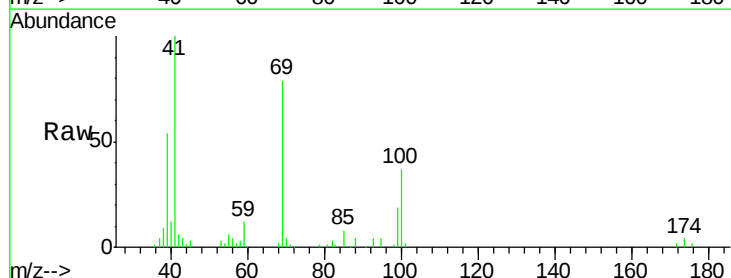
RT: 9.13 min Scan# 783

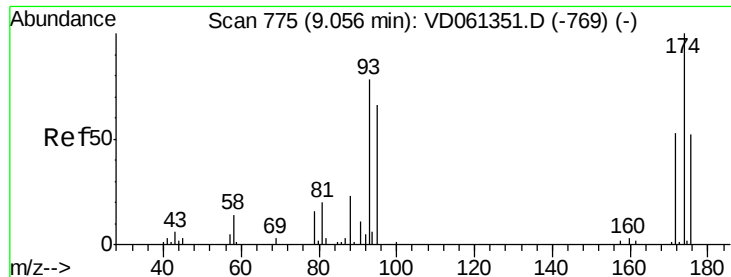
Delta R.T. 0.04 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

Tgt Ion:	41	Resp:	199432
Ion	Ratio	Lower	Upper
41	100		
69	78.7	60.2	90.4
39	54.1	41.4	62.2





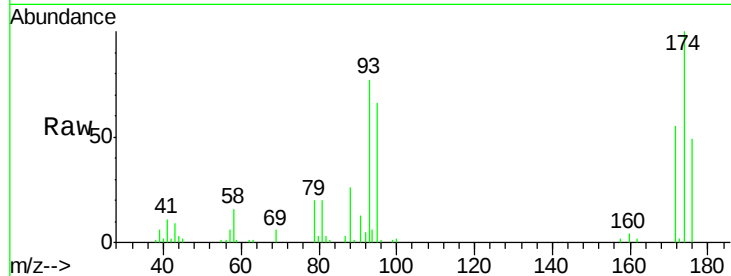
#49
1,4-Dioxane
Concen: 1303.838 ug/l
RT: 9.09 min Scan# 779
Delta R.T. 0.04 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

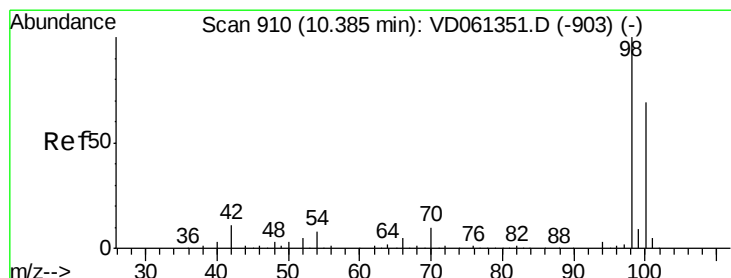
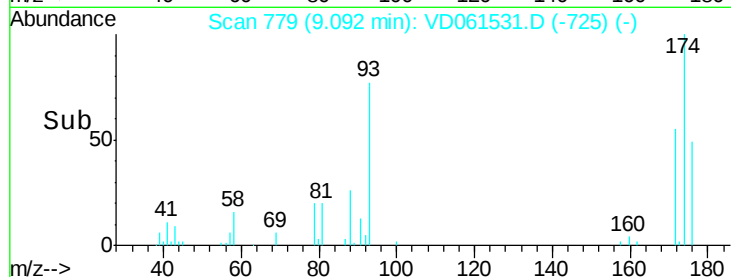
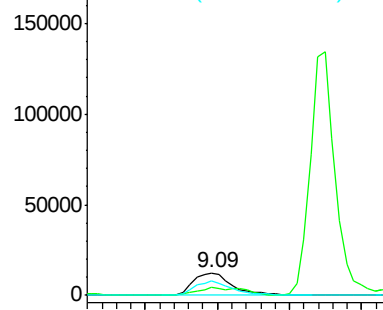
Tot Ion	Ratio	Lower	Upper
88	100		
43	33.3	23.3	34.9
58	61.5	50.8	76.2

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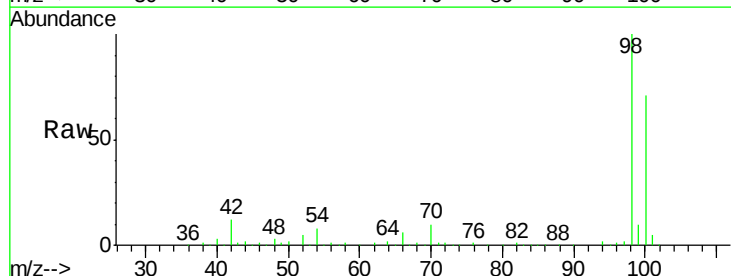


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

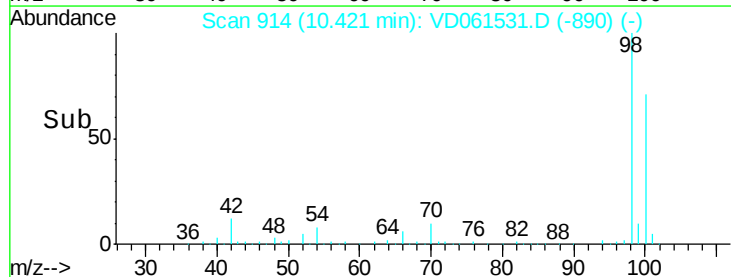
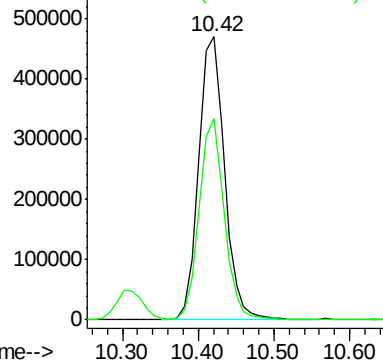


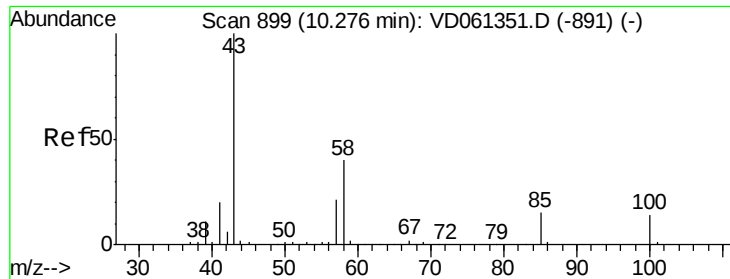
#50
Toluene-d8
Concen: 1303.838 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.04 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	71.0	56.2	84.2



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 287.044 ug/l

RT: 10.30 min Scan# 902

Delta R.T. 0.03 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

Tot Ion: 43 Resp: 1011927

Ion Ratio Lower Upper

43 100

58 37.5 31.8 47.8

Instrument :

MSVOA_D

ClientSampleId :

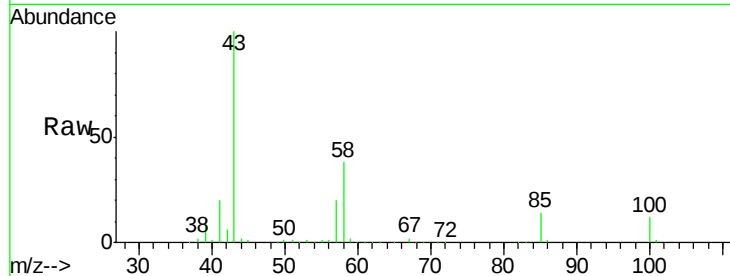
VSTDCCC050EC

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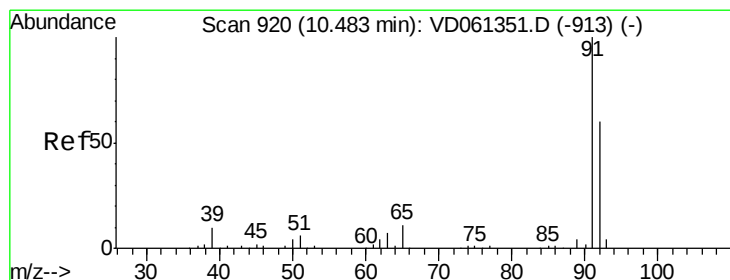
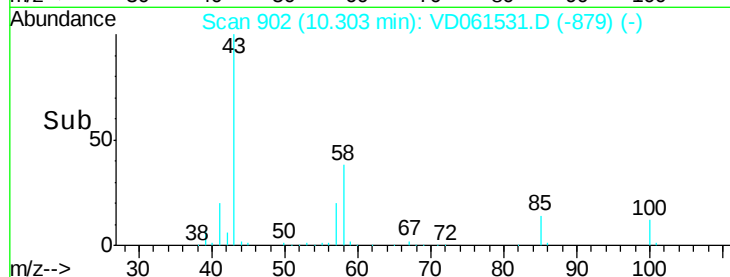
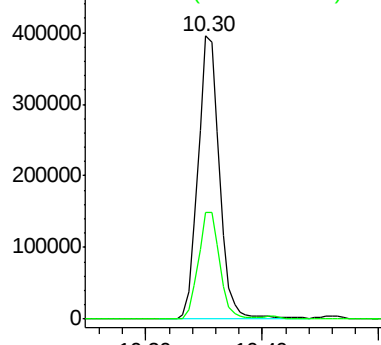
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 49.908 ug/l

RT: 10.51 min Scan# 923

Delta R.T. 0.03 min

Lab File: VD061531.D

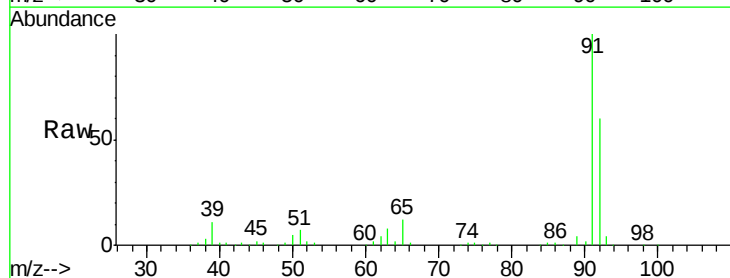
Acq: 2 Apr 2019 23:30

Tgt Ion: 92 Resp: 711583

Ion Ratio Lower Upper

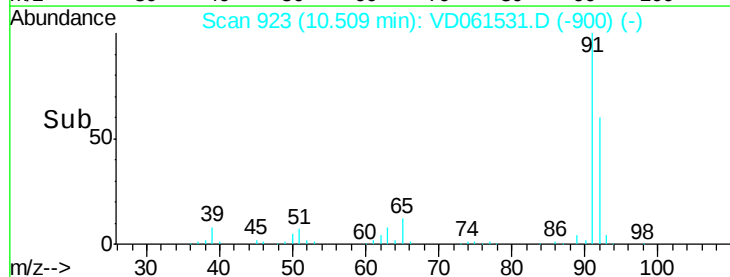
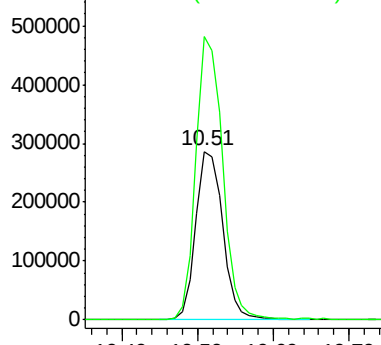
92 100

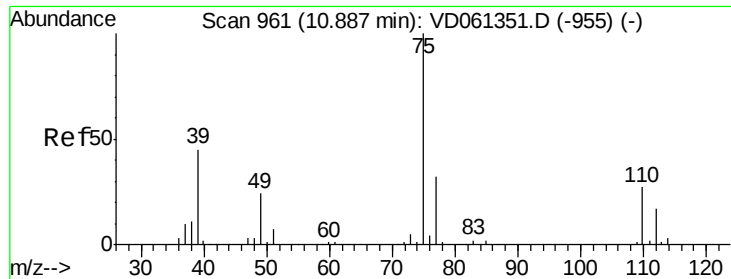
91 167.7 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 55.728 ug/l

RT: 10.92 min Scan# 965

Delta R.T. 0.04 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

Tot Ion: 75 Resp: 453279

Ion Ratio Lower Upper

75 100

77 32.7 25.4 38.2

Instrument :

MSVOA_D

ClientSampleId :

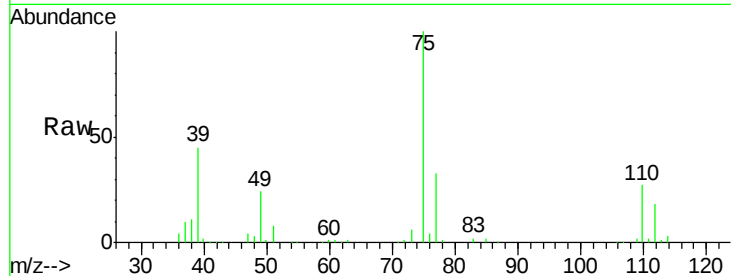
VSTDCCC050EC

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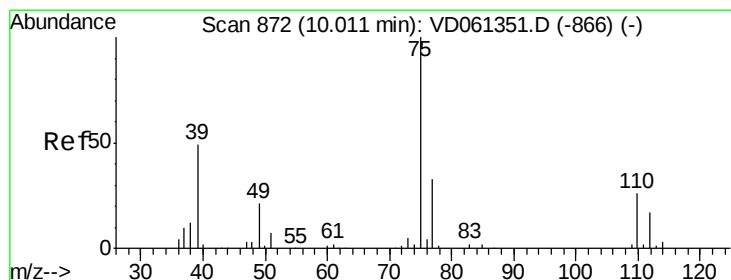
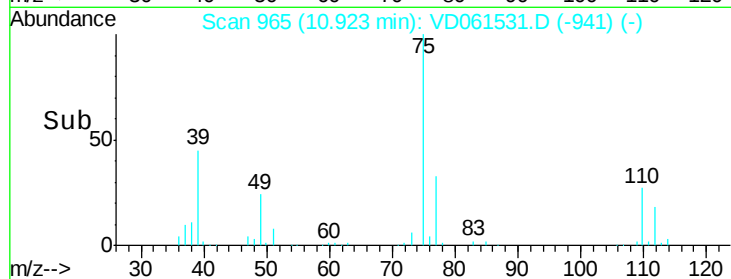
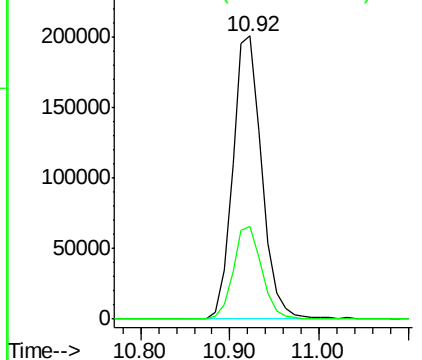
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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 55.198 ug/l

RT: 10.05 min Scan# 876

Delta R.T. 0.04 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

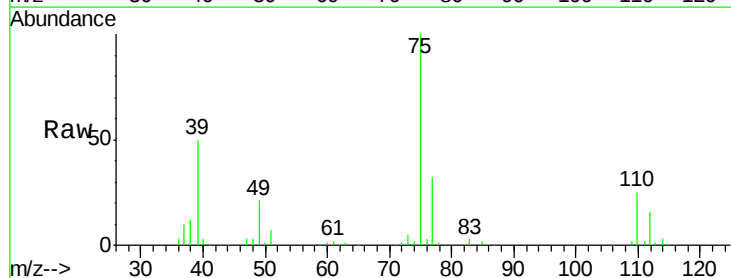
Tgt Ion: 75 Resp: 546689

Ion Ratio Lower Upper

75 100

77 32.2 26.2 39.4

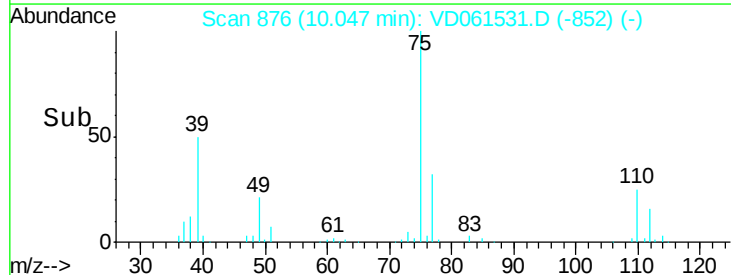
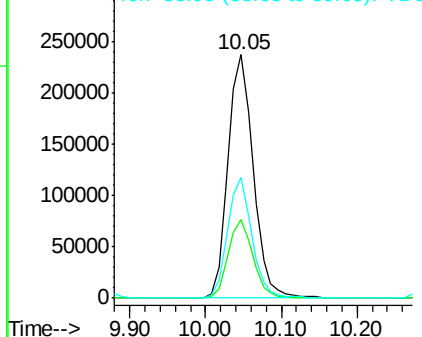
39 49.8 39.4 59.0

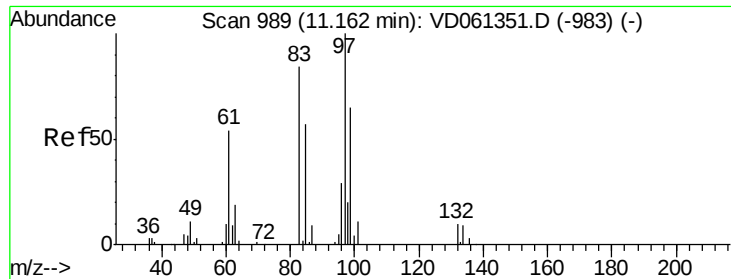


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





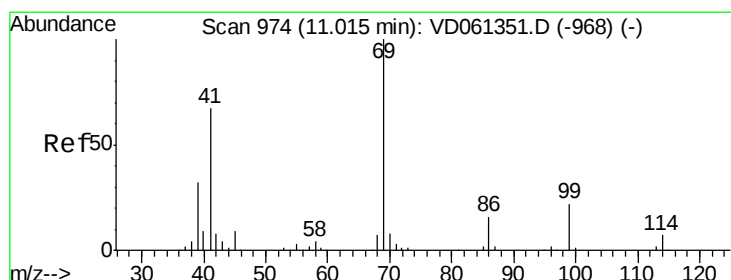
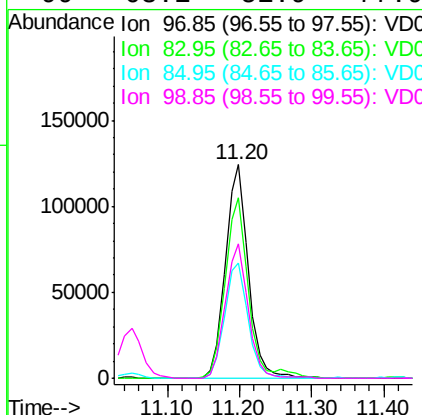
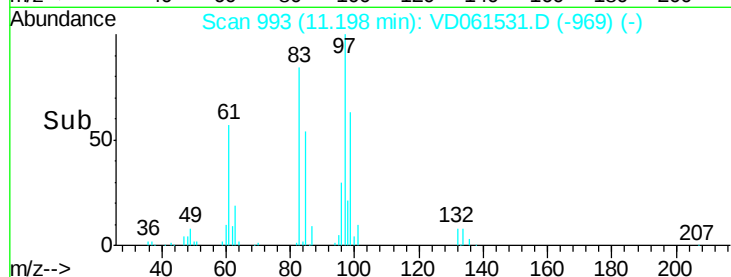
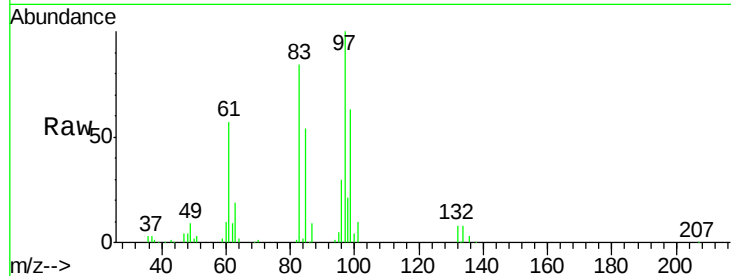
#55
 1,1,2-Trichloroethane
 Concen: 54.733 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.04 min
 Lab File: VD061531.D
 Acq: 2 Apr 2019 23:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		272913		
83	84.5	67.0	100.6		
85	53.9	45.4	68.2		
99	63.1	51.9	77.9		

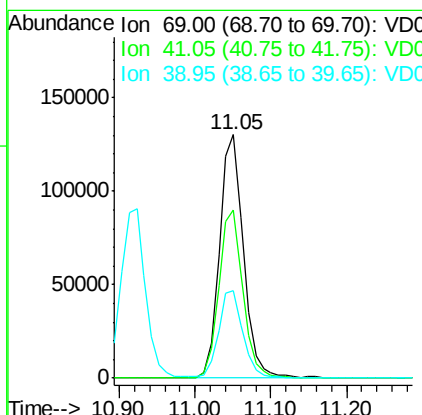
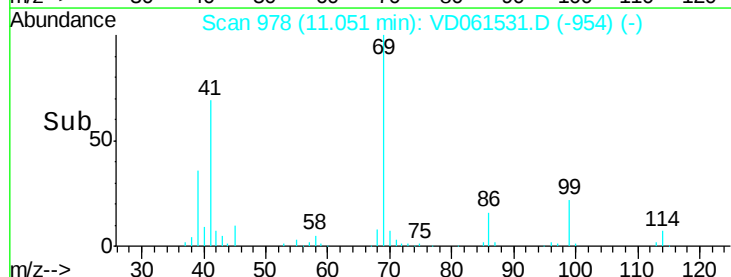
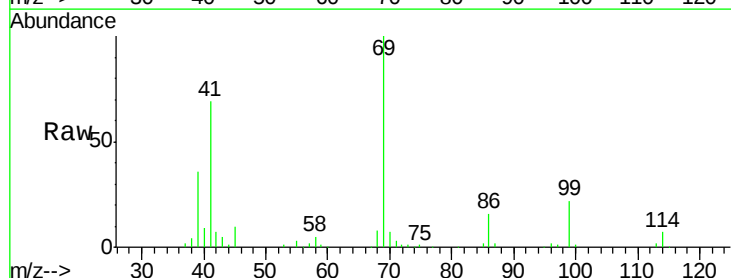
Manual Integrations
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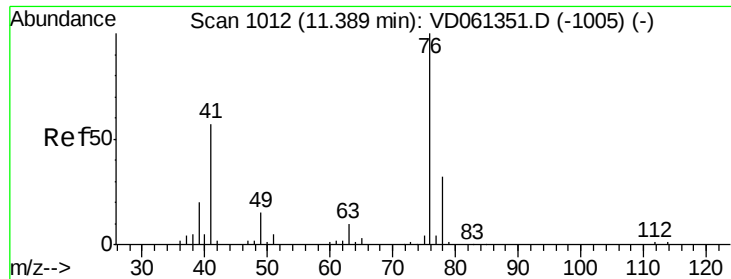
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#56
 Ethyl methacrylate
 Concen: 53.353 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.04 min
 Lab File: VD061531.D
 Acq: 2 Apr 2019 23:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		285792		
41	69.0	53.8	80.6		
39	36.0	26.4	39.6		





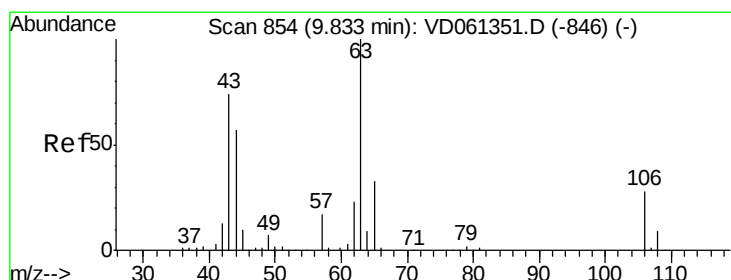
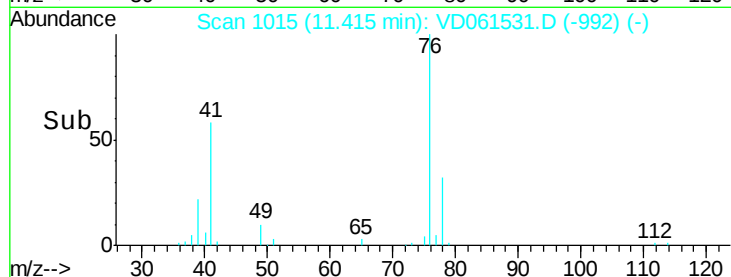
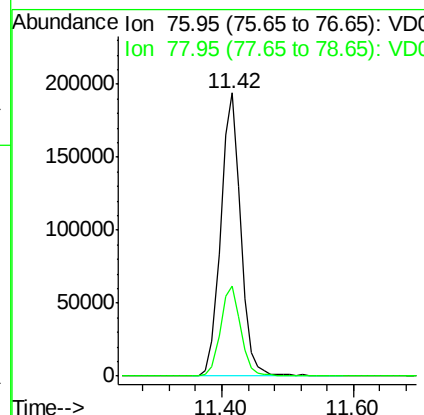
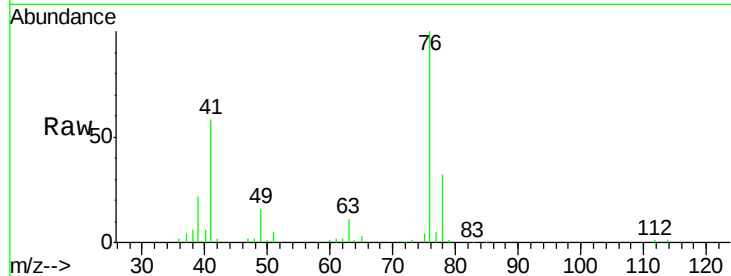
#57
 1,3-Dichloropropane
 Concen: 55.367 ug/l
 RT: 11.42 min Scan# 1015
 Delta R.T. 0.03 min
 Lab File: VD061531.D
 Acq: 2 Apr 2019 23:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 405777
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.4 38.0

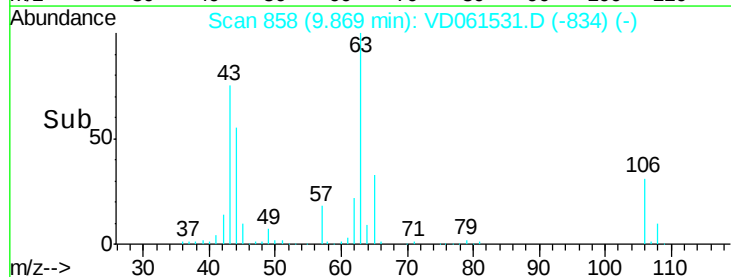
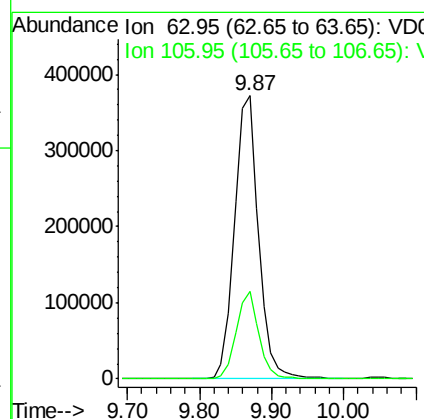
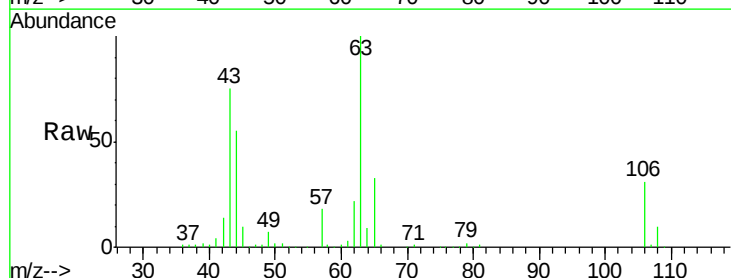
Manual Integrations
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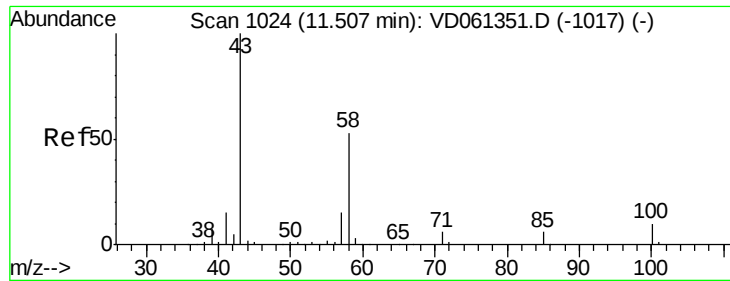
MMDadoda
 4/3/2019 1:03:05 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 331.935 ug/l
 RT: 9.87 min Scan# 858
 Delta R.T. 0.04 min
 Lab File: VD061531.D
 Acq: 2 Apr 2019 23:30

Tgt Ion: 63 Resp: 865898
 Ion Ratio Lower Upper
 63 100
 106 31.0 22.4 33.6





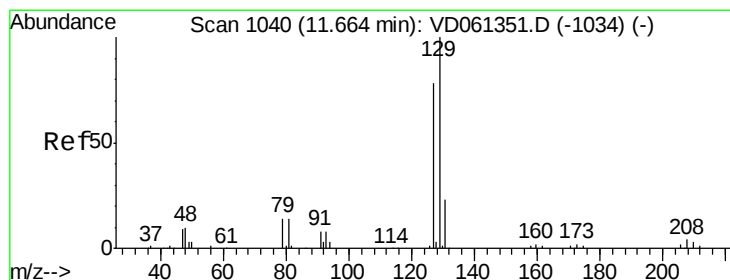
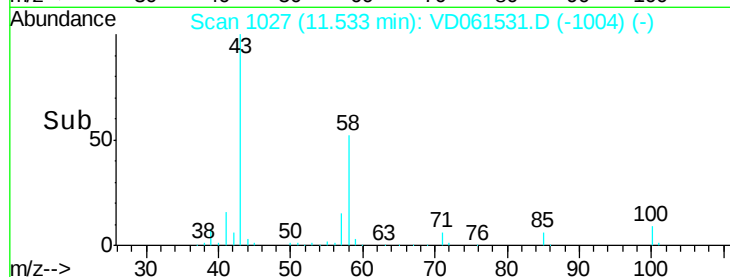
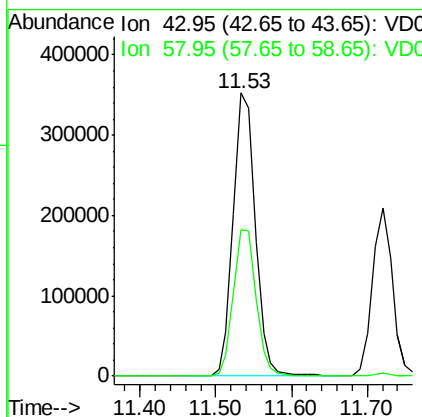
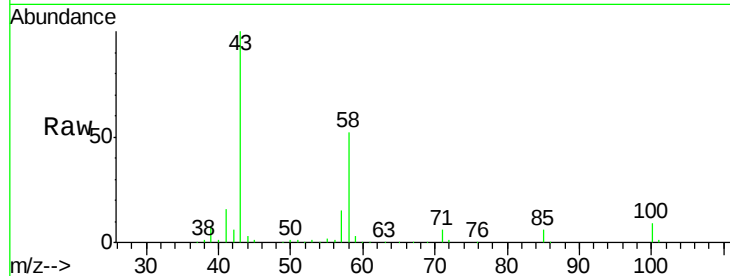
#59
2-Hexanone
Concen: 280.173 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. 0.03 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 715622
Ion Ratio Lower Upper
43 100
58 51.9 26.3 78.9

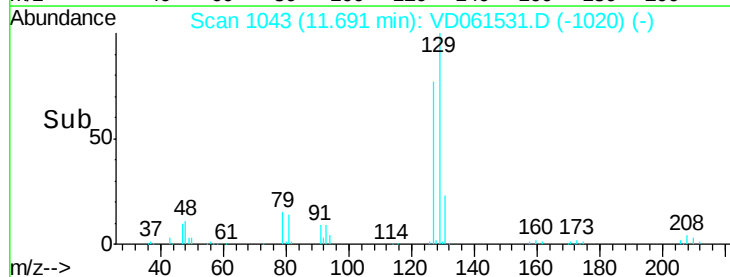
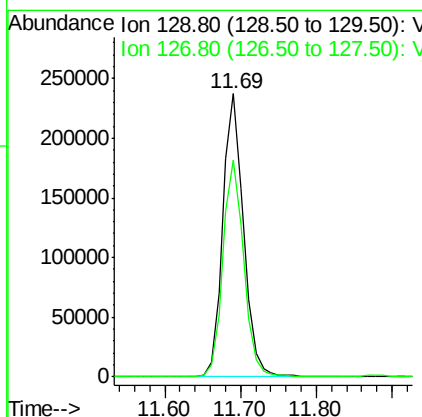
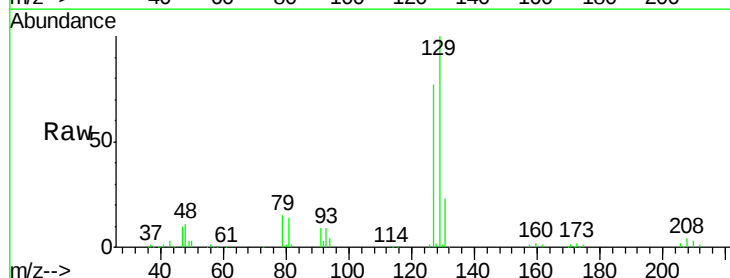
Manual Integrations
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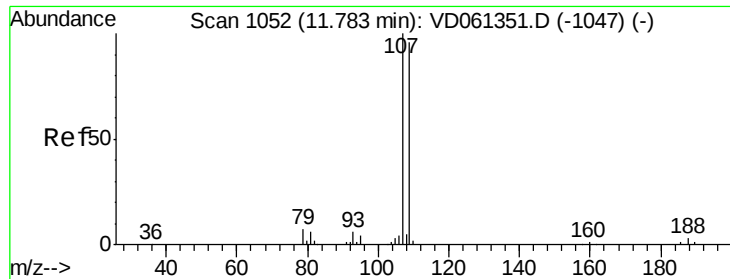
MMDadoda
4/3/2019 1:03:05 PM



#60
Dibromochloromethane
Concen: 58.647 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.03 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Tgt Ion: 129 Resp: 450814
Ion Ratio Lower Upper
129 100
127 76.6 39.0 116.9





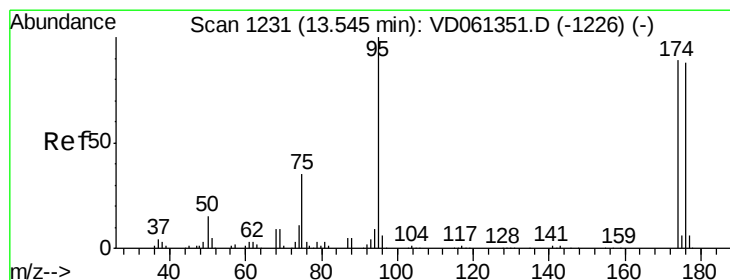
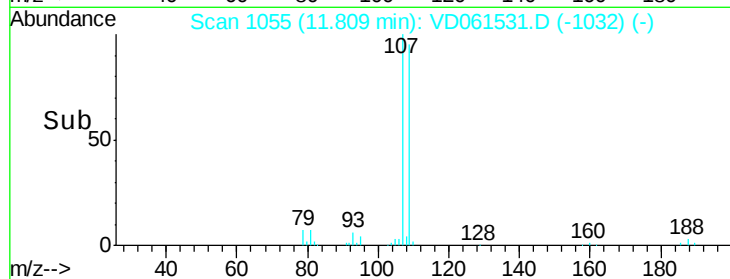
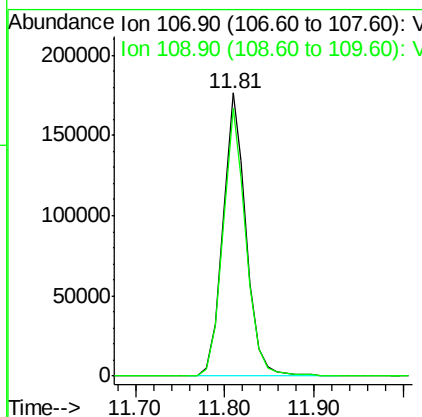
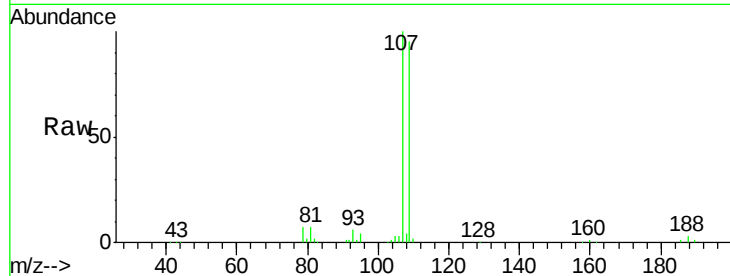
#61
 1,2-Dibromoethane
 Concen: 55.298 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.03 min
 Lab File: VD061531.D
 Acq: 2 Apr 2019 23:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	76.6	114.8

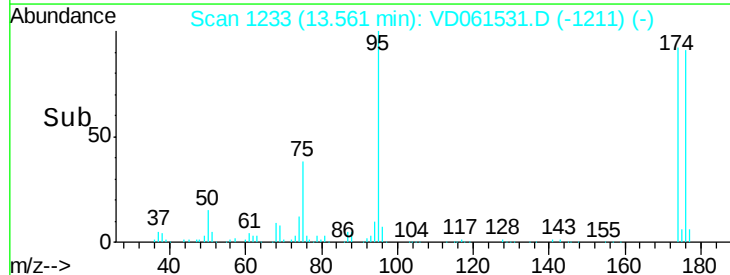
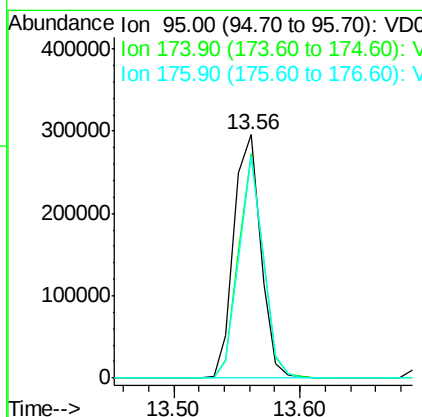
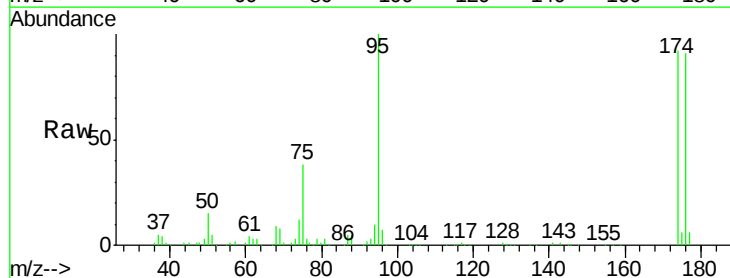
Manual Integrations
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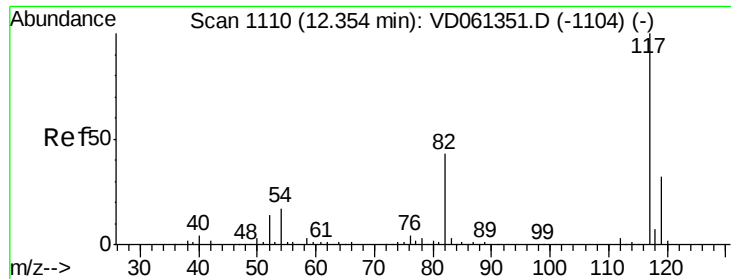
MMDadoda
 4/3/2019 1:03:05 PM



#62
 4-Bromofluorobenzene
 Concen: 55.298 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.02 min
 Lab File: VD061531.D
 Acq: 2 Apr 2019 23:30

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.0	0.0	178.0
176	91.0	0.0	175.0





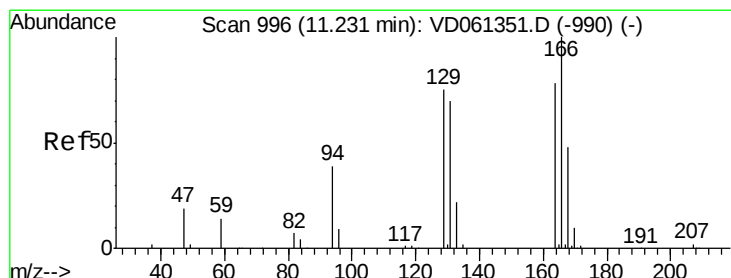
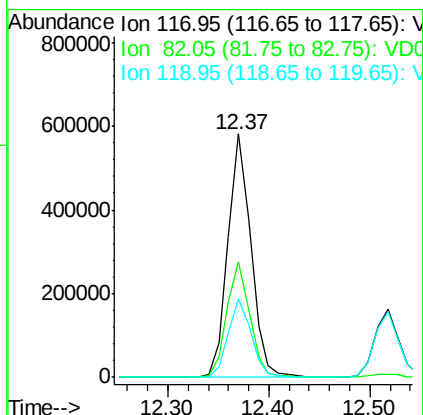
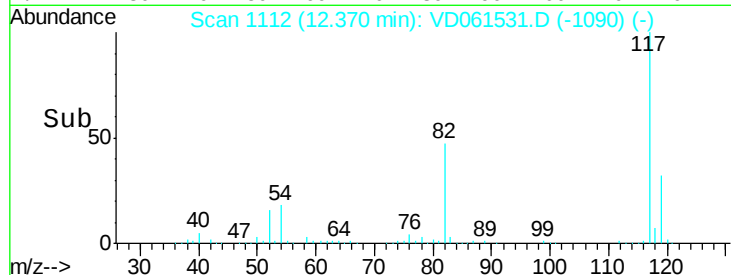
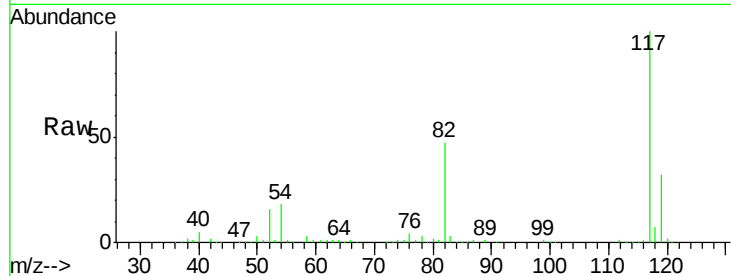
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.02 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	47.4	34.4	51.6
119	32.2	25.8	38.6

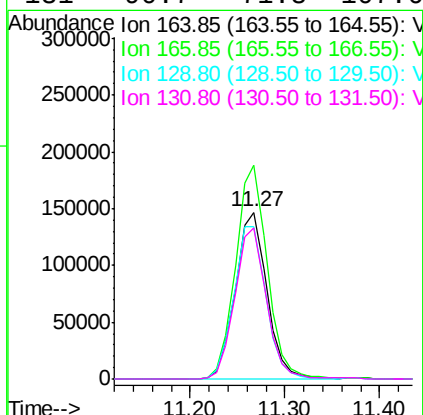
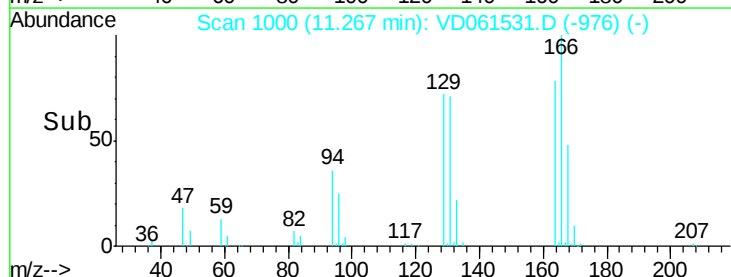
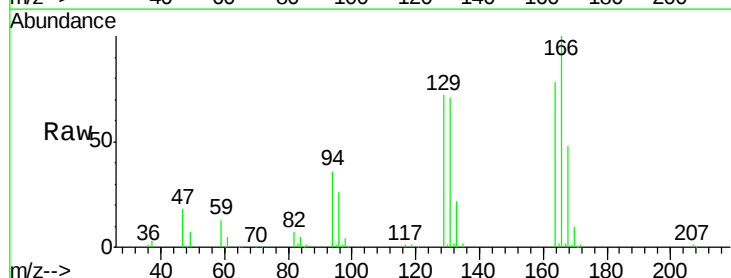
Manual Integrations
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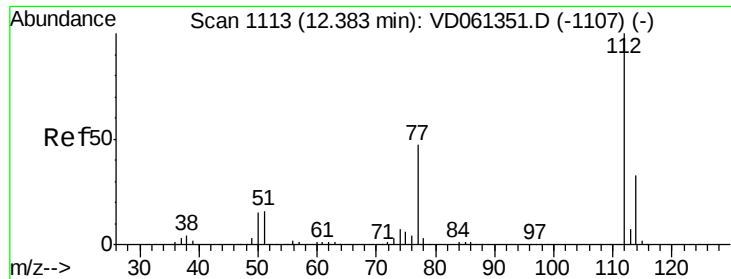
MMDadoda
4/3/2019 1:03:05 PM



#64
Tetrachloroethene
Concen: 46.883 ug/l
RT: 11.27 min Scan# 1000
Delta R.T. 0.04 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.0	102.4	153.6
129	91.6	76.8	115.2
131	90.7	71.8	107.6





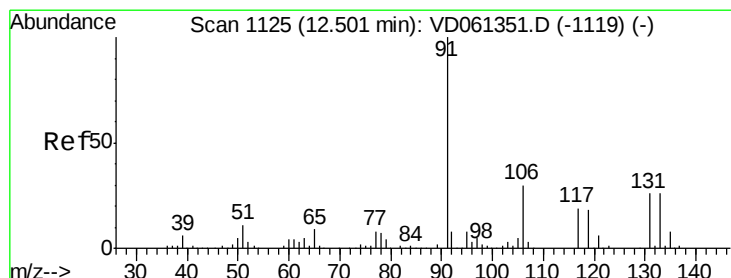
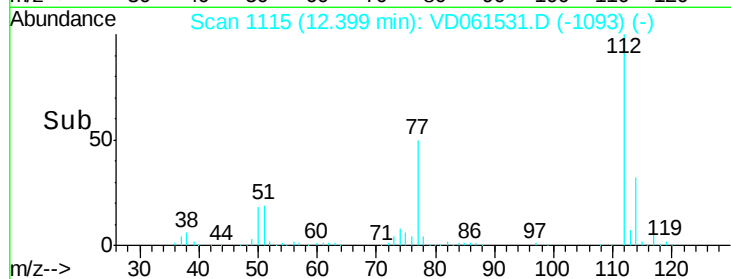
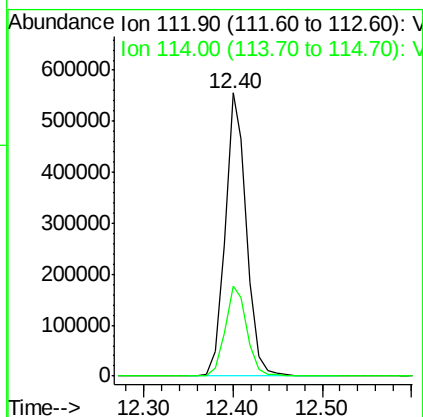
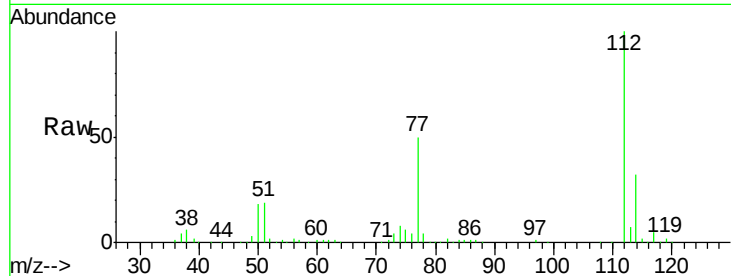
#65
Chlorobenzene
Concen: 49.431 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.02 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 932812
Ion Ratio Lower Upper
112 100
114 32.0 26.6 39.8

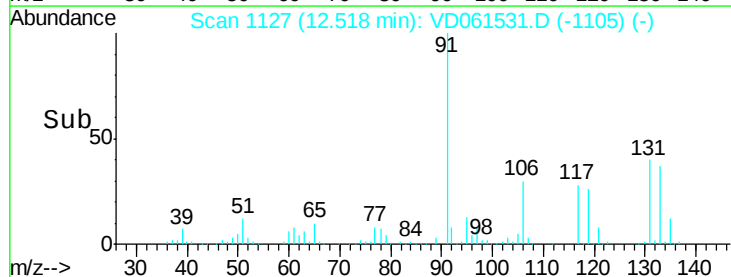
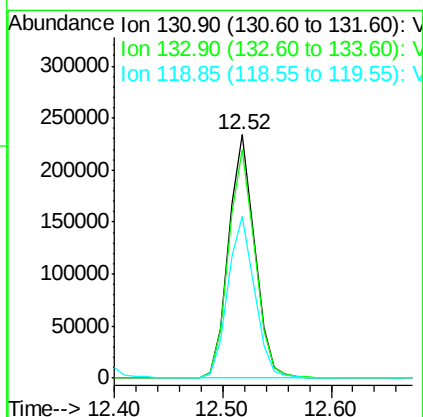
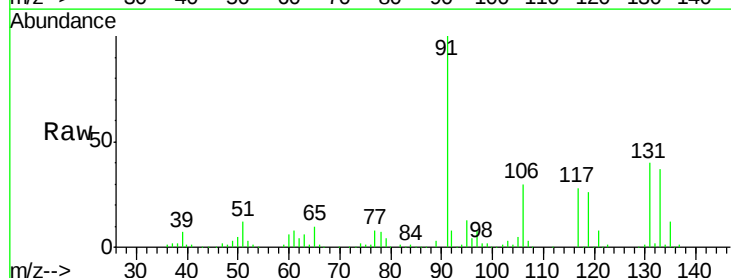
Manual Integrations
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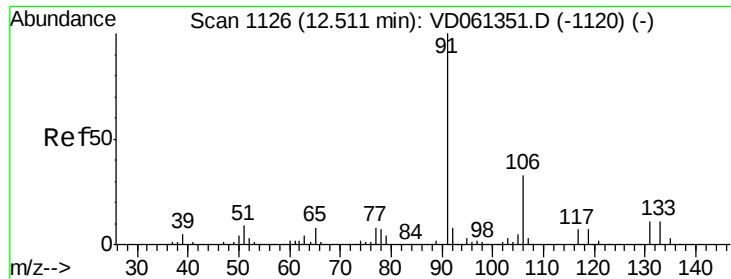
MMDadoda
4/3/2019 1:03:05 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.908 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.02 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Tgt Ion:131 Resp: 393886
Ion Ratio Lower Upper
131 100
133 93.8 49.4 148.2
119 66.6 34.1 102.2





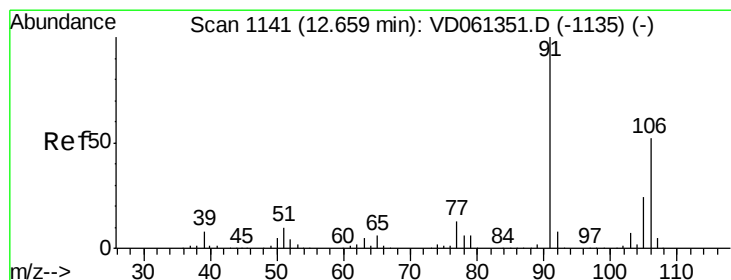
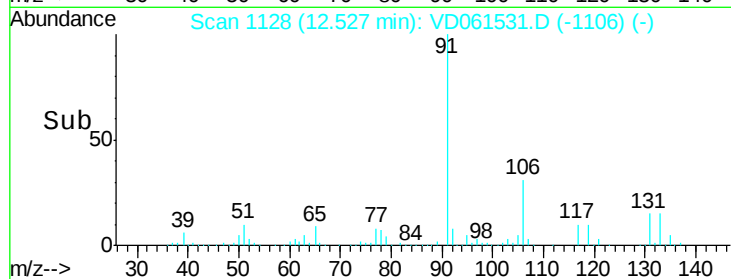
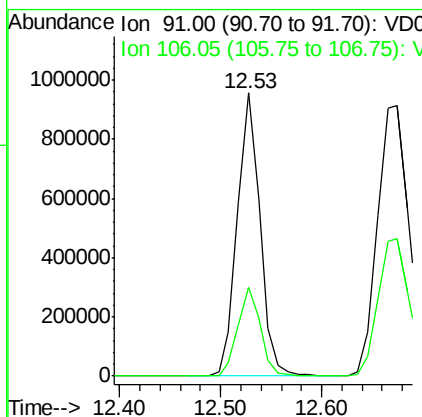
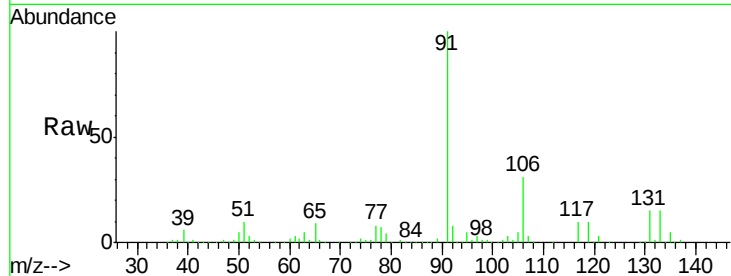
#67
Ethyl Benzene
Concen: 52.030 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050EC

Tot Ion: 91 Resp: 1498672
Ion Ratio Lower Upper
91 100
106 31.3 26.1 39.1

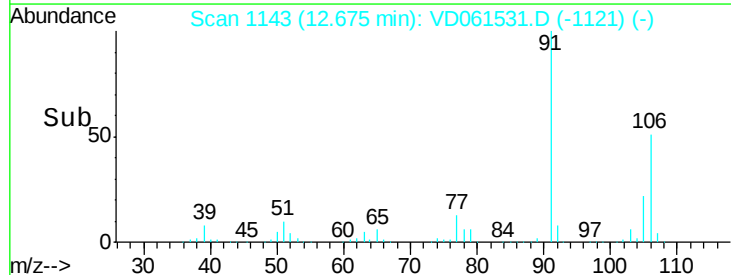
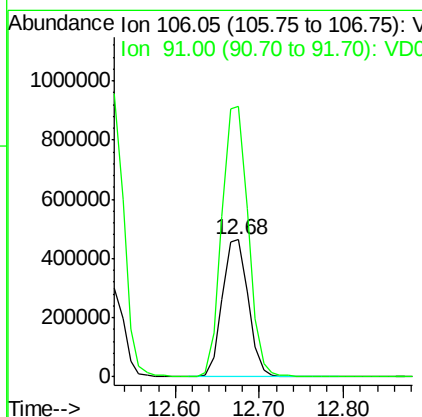
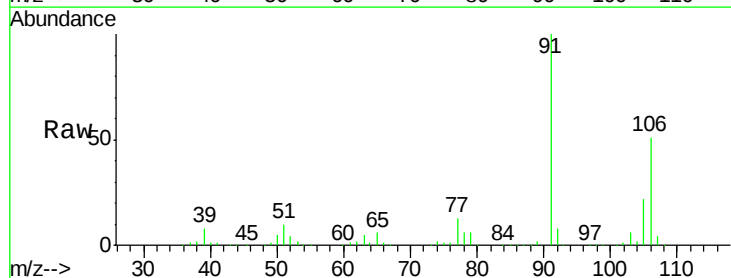
Manual Integrations
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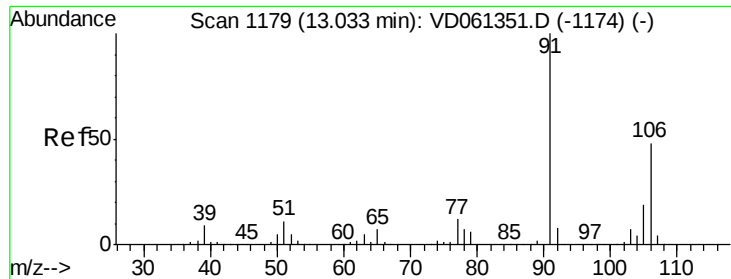
MMDadoda
4/3/2019 1:03:05 PM



#68
m/p-Xylenes
Concen: 91.204 ug/l
RT: 12.68 min Scan# 1143
Delta R.T. 0.02 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Tgt Ion:106 Resp: 995130
Ion Ratio Lower Upper
106 100
91 197.4 153.1 229.7





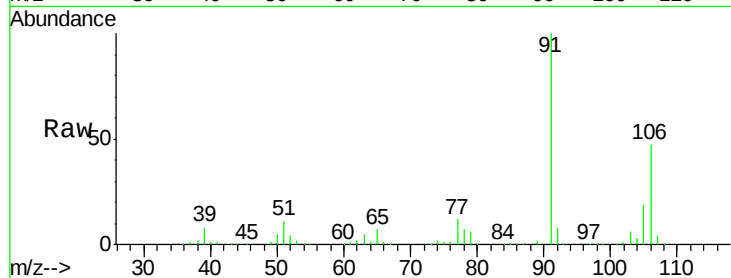
#69
o-Xylene
Concen: 53.582 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.02 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

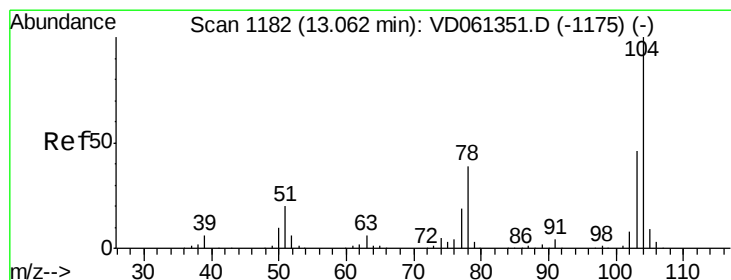
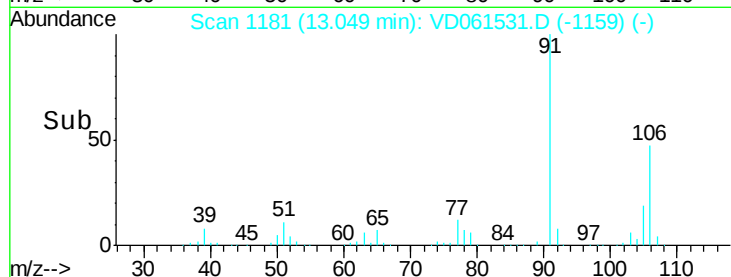
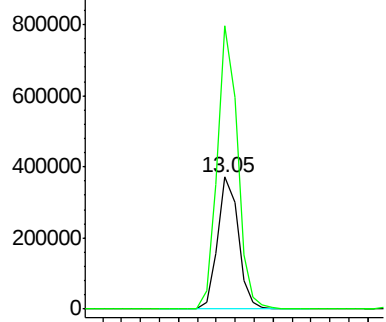
Tot Ion:106 Resp: 567348
Ion Ratio Lower Upper
106 100
91 214.4 103.8 311.3

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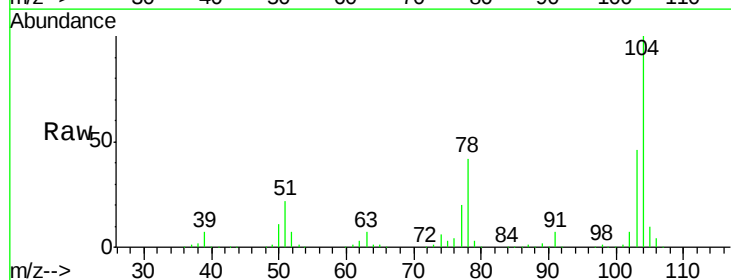


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

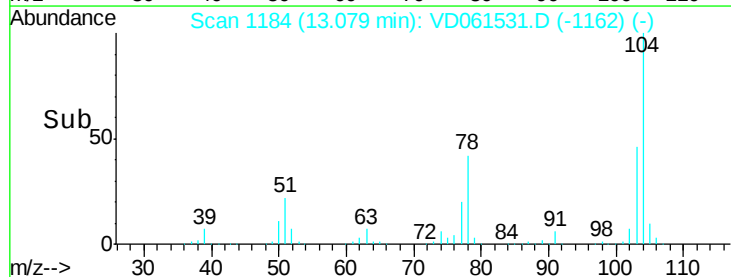
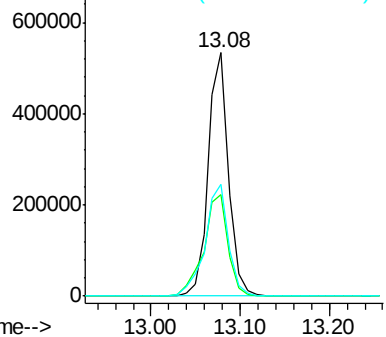


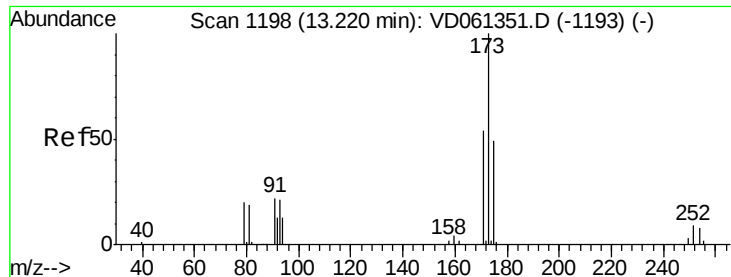
#70
Styrene
Concen: 46.002 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.02 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Tgt Ion:104 Resp: 849087
Ion Ratio Lower Upper
104 100
78 41.6 31.0 46.6
103 45.8 37.0 55.4



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): VDC
Ion 103.05 (102.75 to 103.75): V





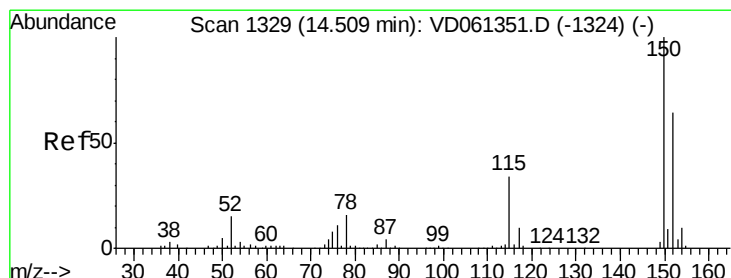
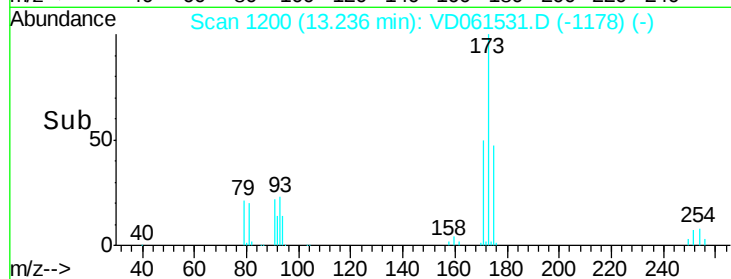
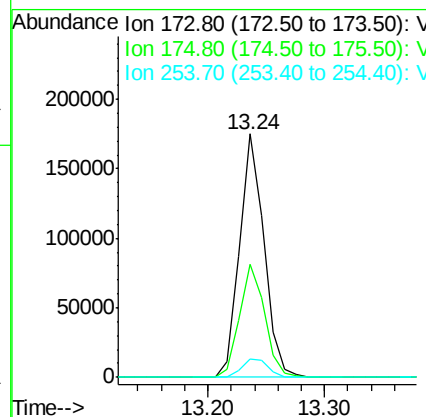
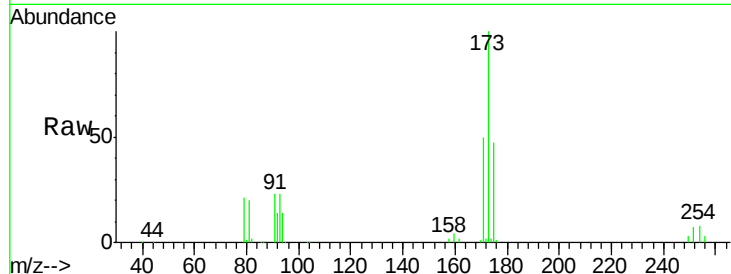
#71
Bromoform
Concen: 55.139 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. 0.02 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.5	24.6	73.8
254	7.6	6.6	10.0

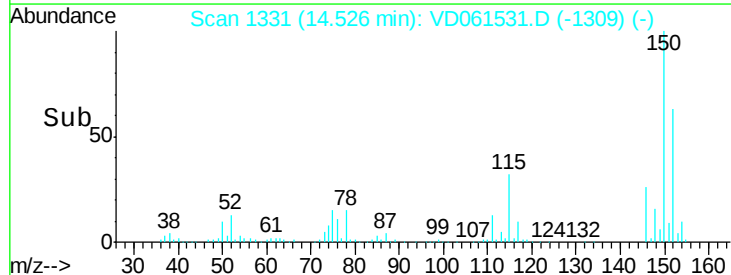
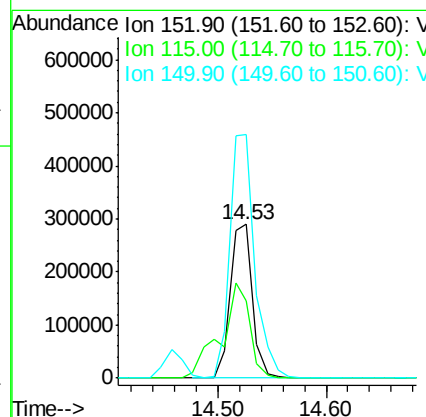
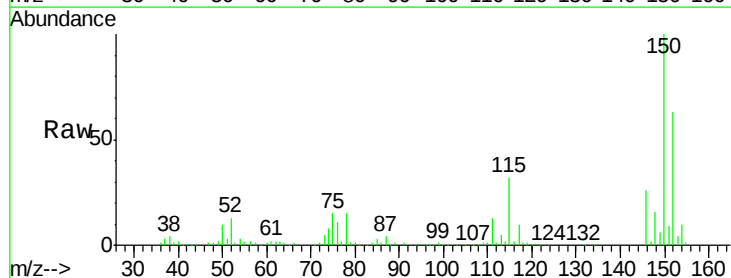
Manual Integrations
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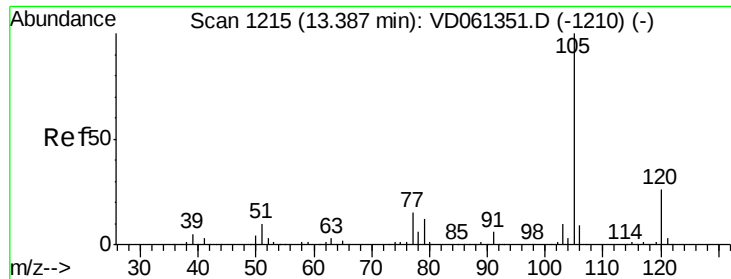
MMDadoda
4/3/2019 1:03:05 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.53 min Scan# 1331
Delta R.T. 0.02 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	50.3	26.9	80.6
150	158.6	0.0	318.0





#73

Isopropylbenzene

Concen: 49.760 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.02 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1424094

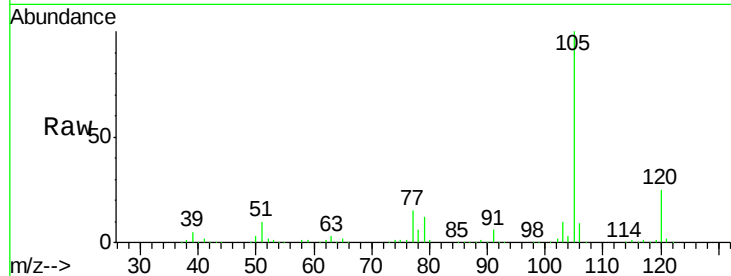
Ion Ratio Lower Upper

105 100

120 24.9 12.8 38.3

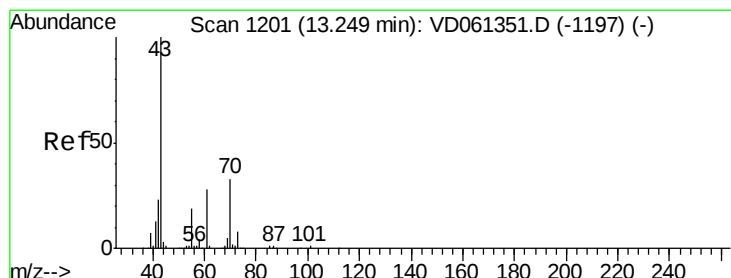
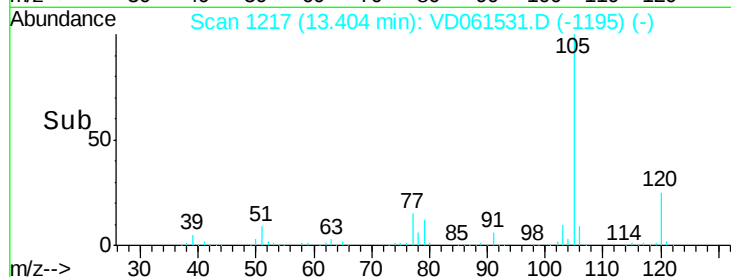
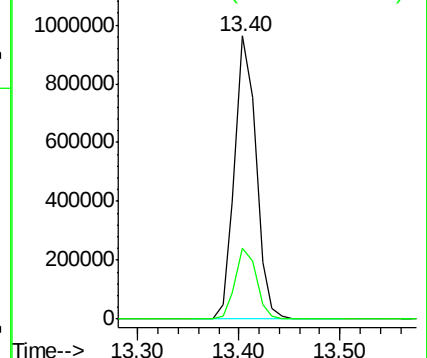
Manual Integrations
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 57.859 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. 0.02 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

Tgt Ion: 43 Resp: 461284

Ion Ratio Lower Upper

43 100

70 32.8 26.6 40.0

55 18.9 15.4 23.2

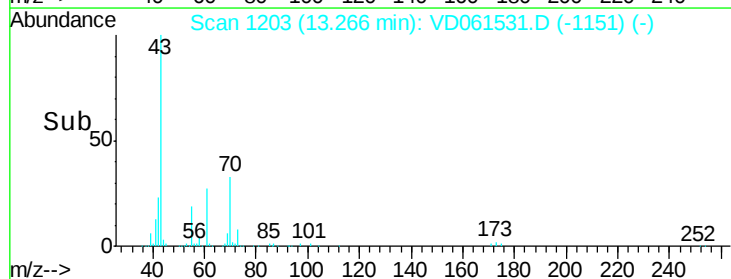
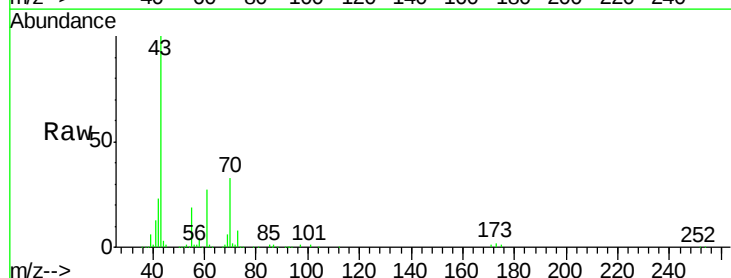
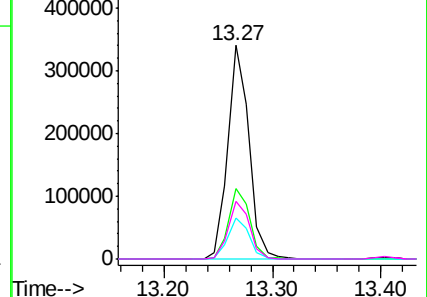
61 26.8 22.2 33.4

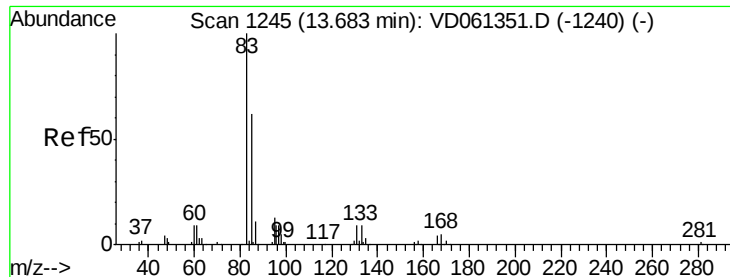
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 53.112 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. 0.02 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 320653
Ion Ratio Lower Upper

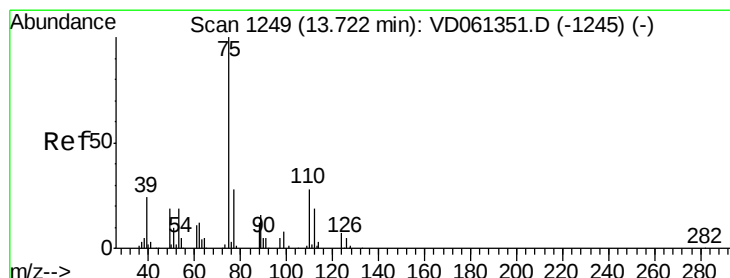
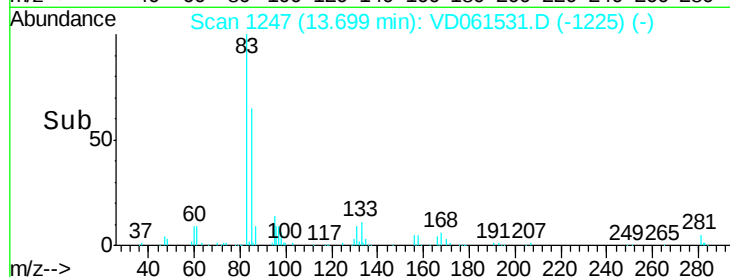
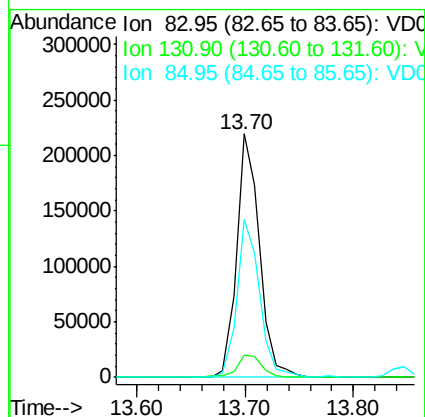
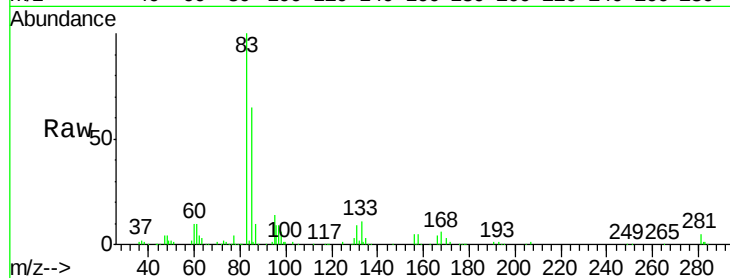
83 100

131 9.2 4.3 13.1

85 64.9 31.2 93.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 56.334 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.02 min

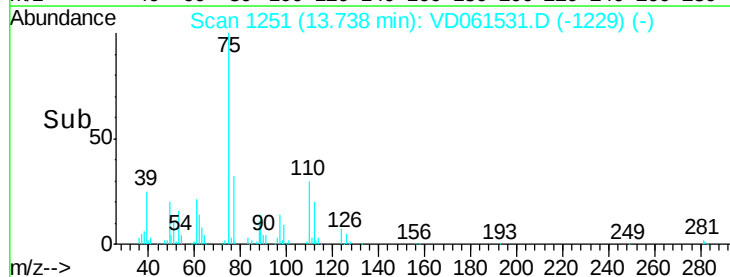
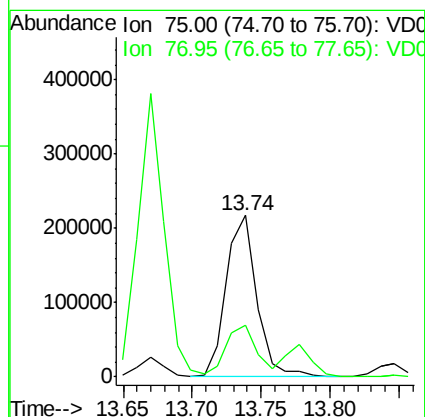
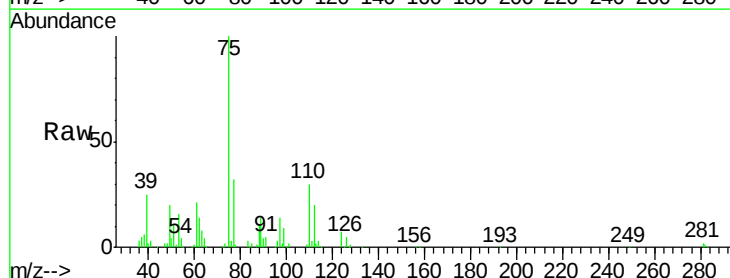
Lab File: VD061531.D

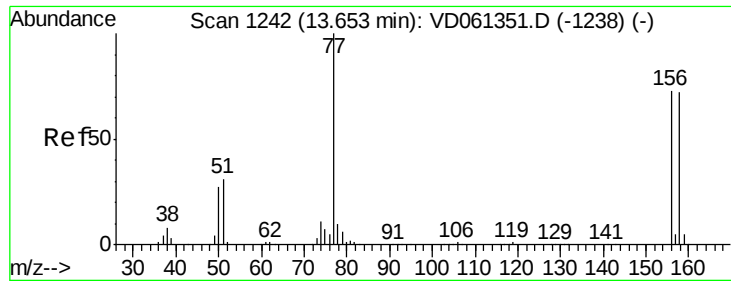
Acq: 2 Apr 2019 23:30

Tgt Ion: 75 Resp: 334618
Ion Ratio Lower Upper

75 100

77 32.1 16.2 48.5





#77

Bromobenzene

Concen: 48.665 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.02 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

Instrument :

MSVOA_D

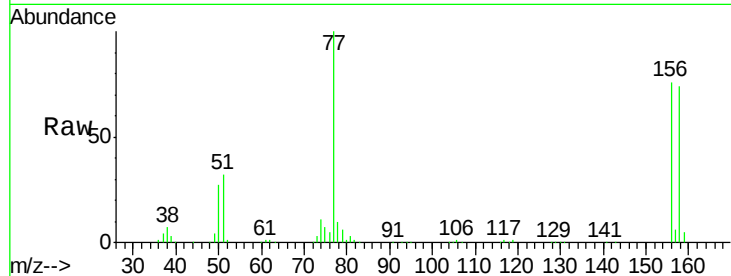
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	412892
Ion Ratio	Lower	Upper	
156	100		
77	131.9	68.5	205.6
158	97.5	49.1	147.3

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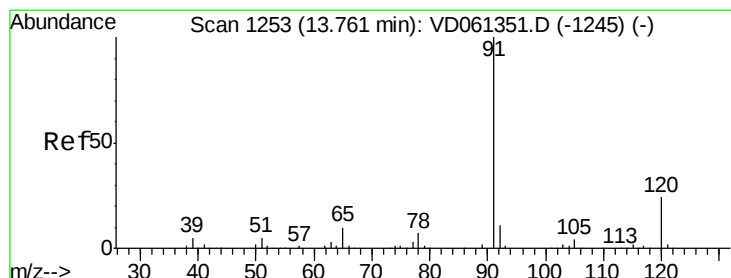
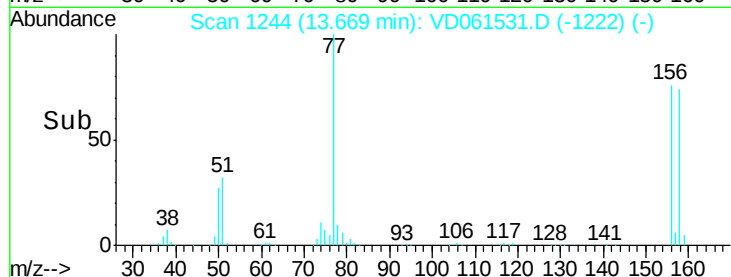
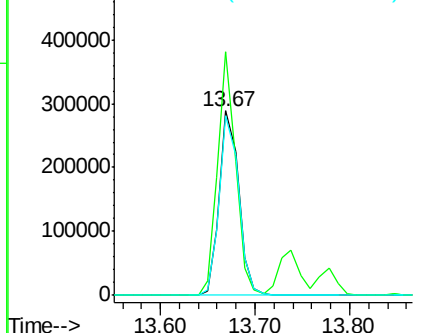
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 45.978 ug/l

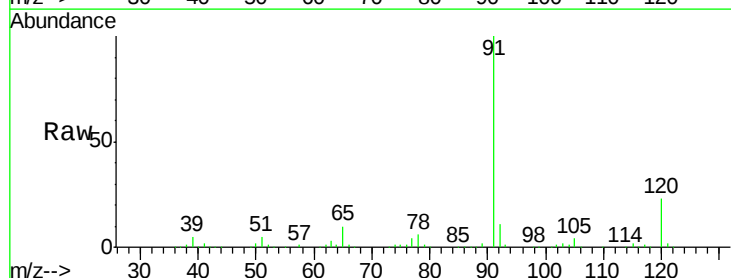
RT: 13.78 min Scan# 1255

Delta R.T. 0.02 min

Lab File: VD061531.D

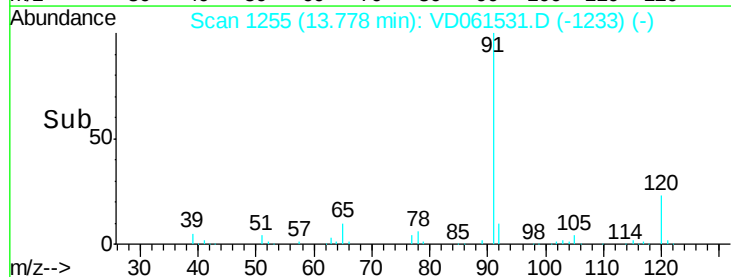
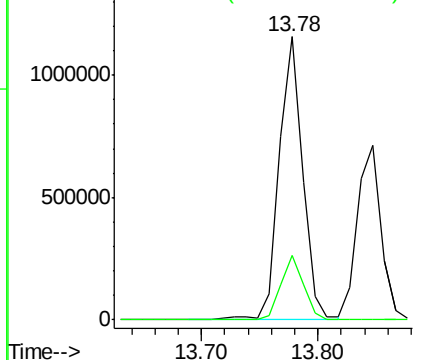
Acq: 2 Apr 2019 23:30

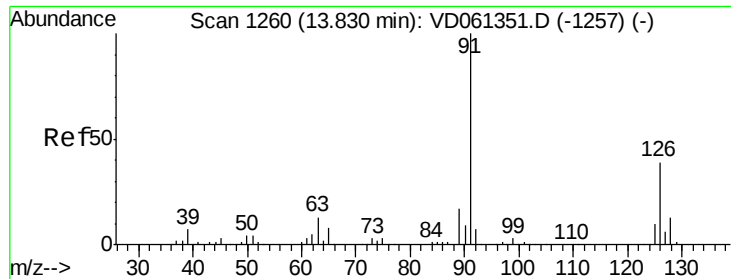
Tgt Ion:	91	Resp:	1610310
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.8	35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 52.736 ug/l

RT: 13.85 min Scan# 1262

Delta R.T. 0.02 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1002876

Ion Ratio Lower Upper

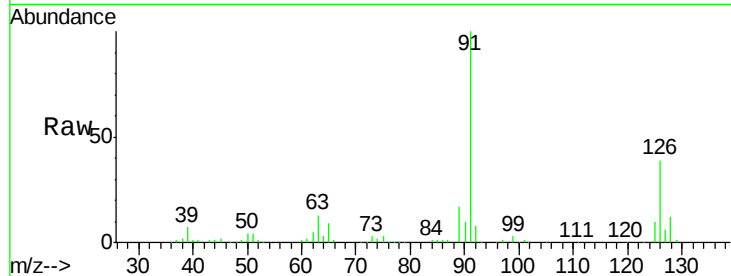
91 100

126 39.3 19.4 58.2

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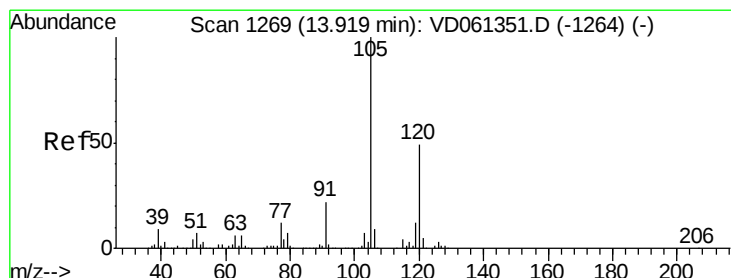
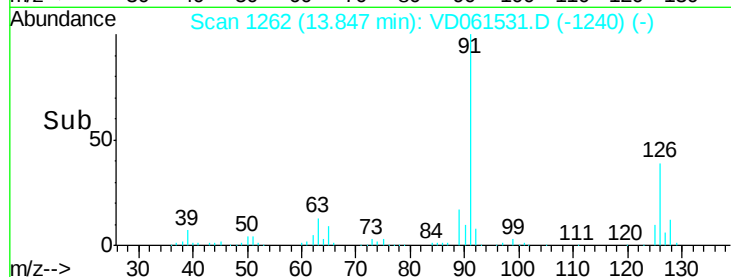
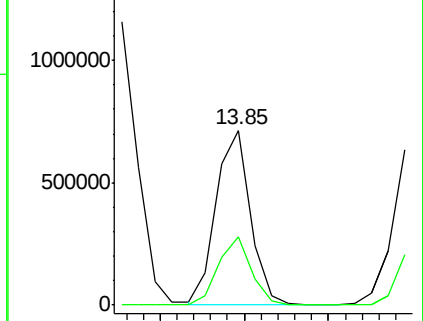
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 47.752 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.02 min

Lab File: VD061531.D

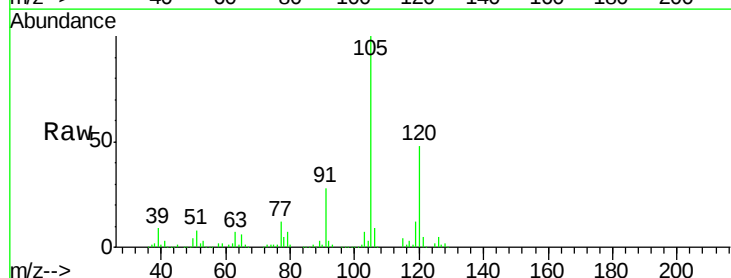
Acq: 2 Apr 2019 23:30

Tgt Ion:105 Resp: 1060356

Ion Ratio Lower Upper

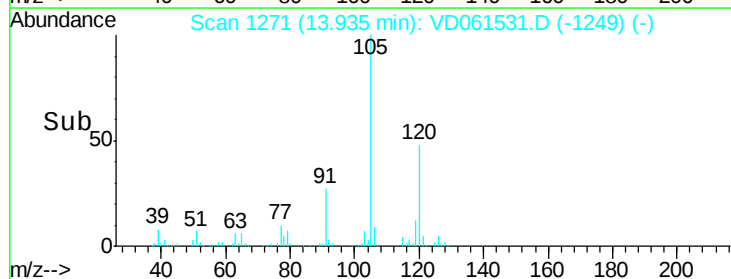
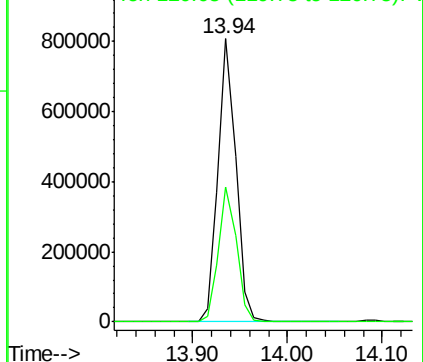
105 100

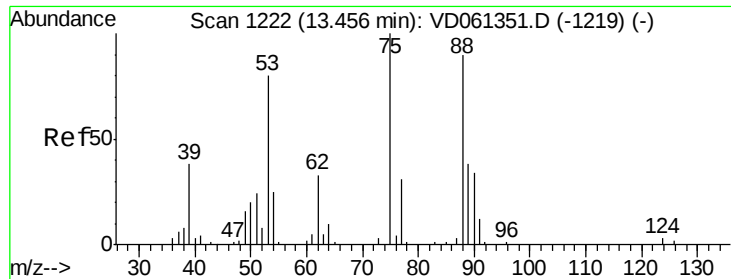
120 47.8 24.6 73.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 54.665 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. 0.02 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

Instrument :

MSVOA_D

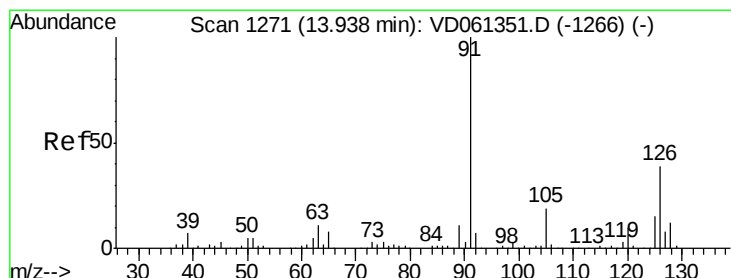
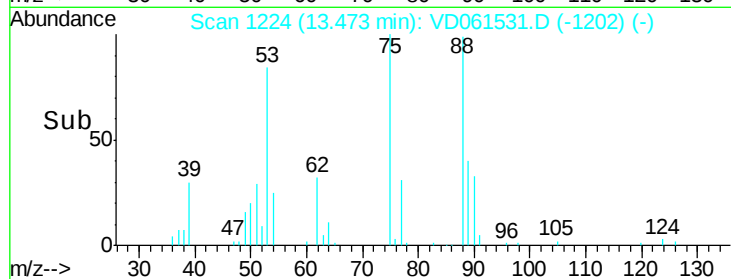
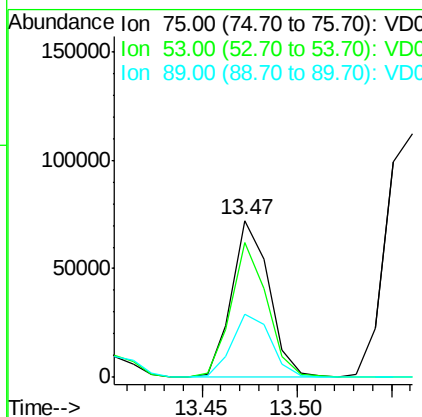
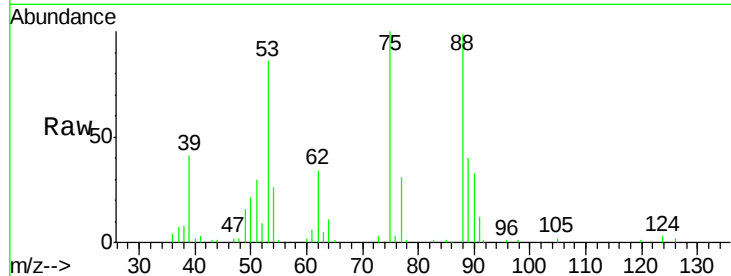
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	99004
Ion	Ratio	Lower	Upper
75	100		
53	85.8	63.8	95.8
89	40.3	30.5	45.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.129 ug/l

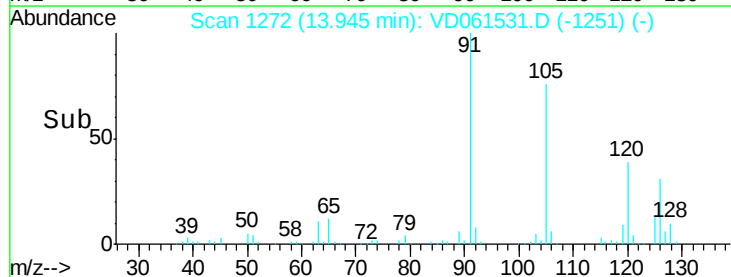
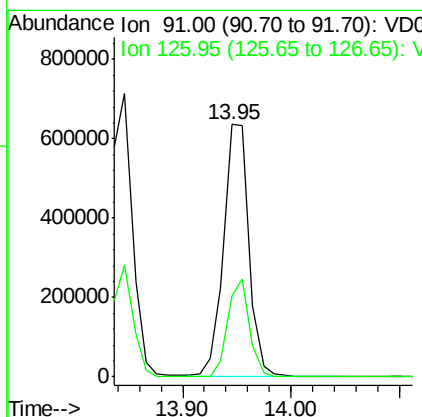
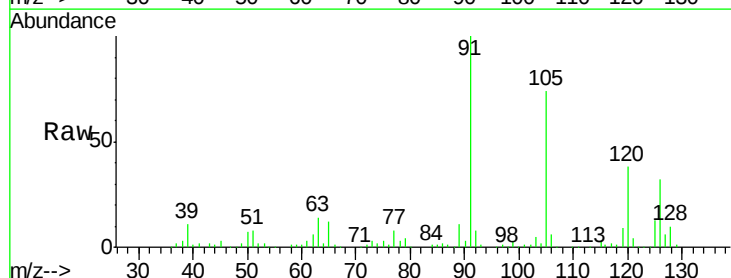
RT: 13.95 min Scan# 1272

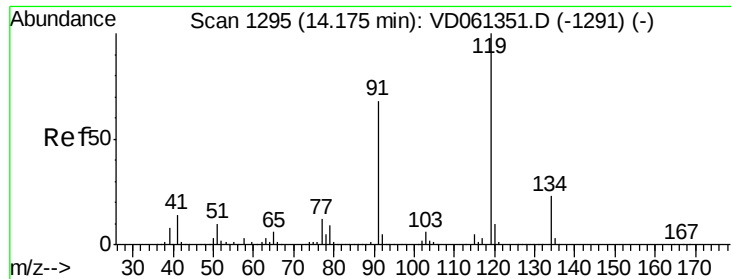
Delta R.T. 0.01 min

Lab File: VD061531.D

Acq: 2 Apr 2019 23:30

Tgt Ion:	91	Resp:	1036546
Ion	Ratio	Lower	Upper
91	100		
126	32.1	19.6	58.8





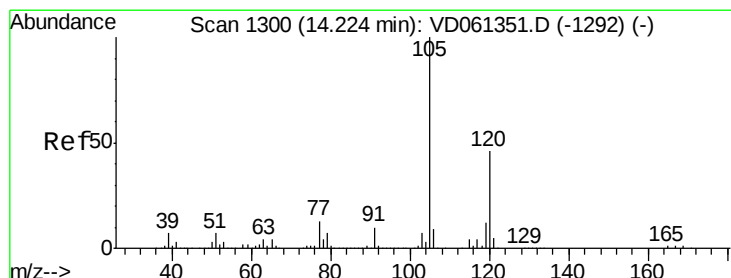
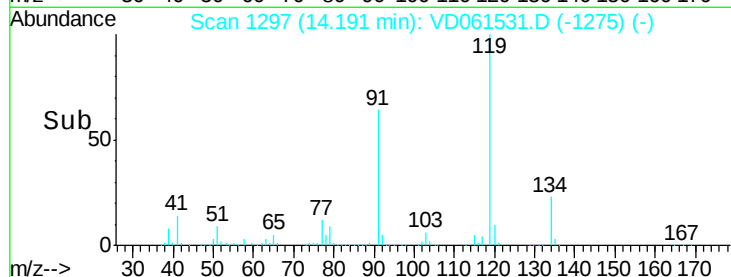
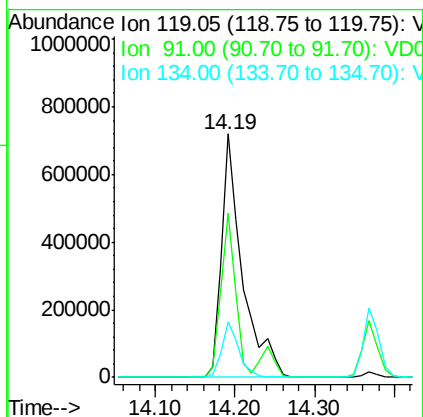
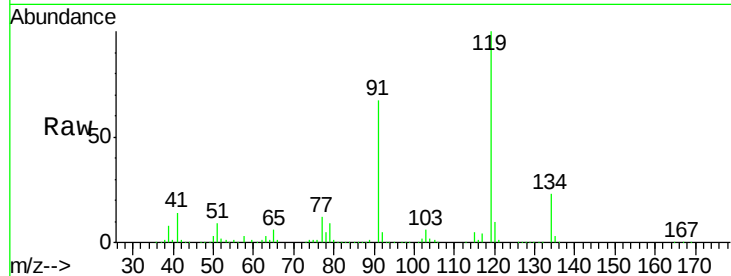
#83
tert-Butylbenzene
Concen: 47.992 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. 0.02 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:119 Resp: 1331797
Ion Ratio Lower Upper
119 100
91 67.4 34.1 102.3
134 23.0 11.6 34.8

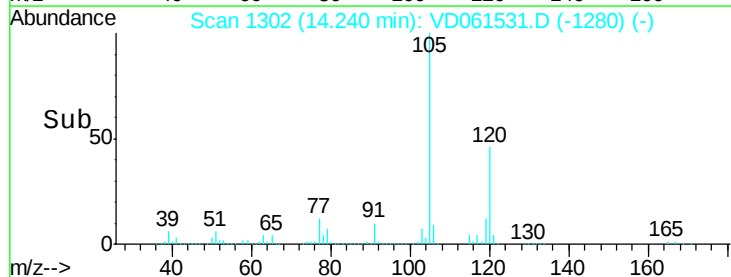
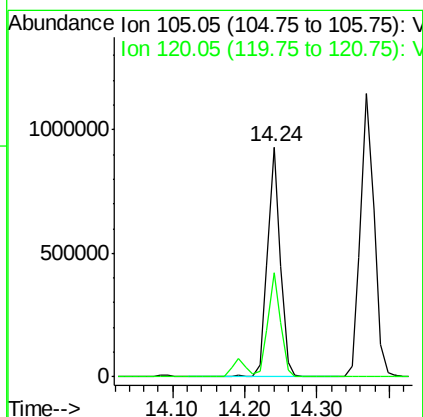
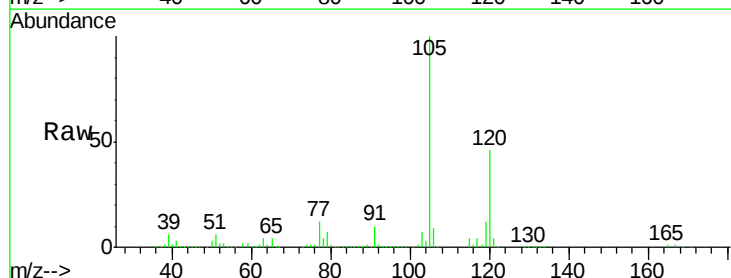
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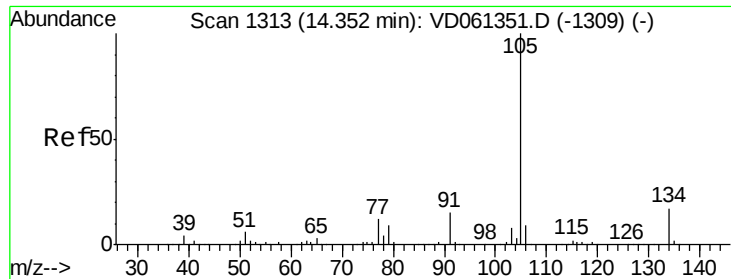
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#84
1,2,4-Trimethylbenzene
Concen: 48.224 ug/l
RT: 14.24 min Scan# 1302
Delta R.T. 0.02 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Tgt Ion:105 Resp: 1159309
Ion Ratio Lower Upper
105 100
120 45.6 22.8 68.4





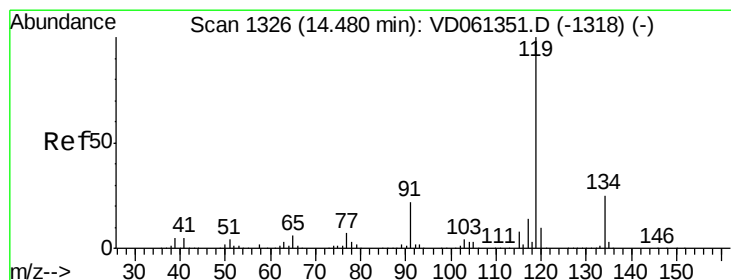
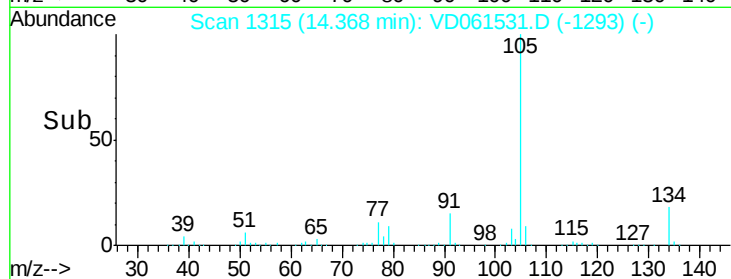
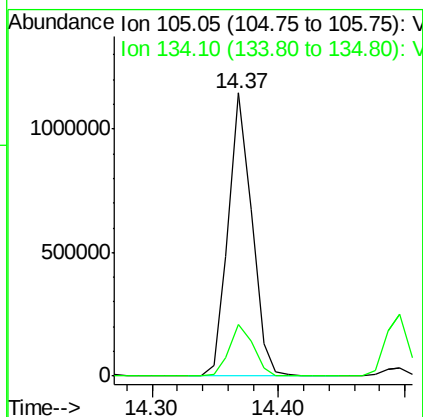
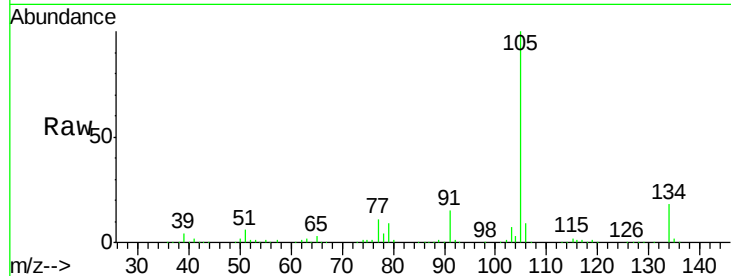
#85
 sec-Butylbenzene
 Concen: 50.056 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.02 min
 Lab File: VD061531.D
 Acq: 2 Apr 2019 23:30

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Tot Ion:105 Resp: 1475670
 Ion Ratio Lower Upper
 105 100
 134 18.1 8.7 26.1

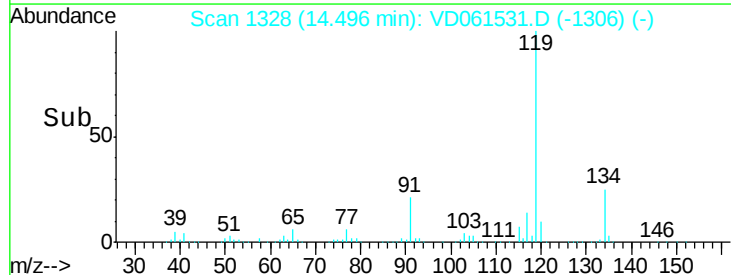
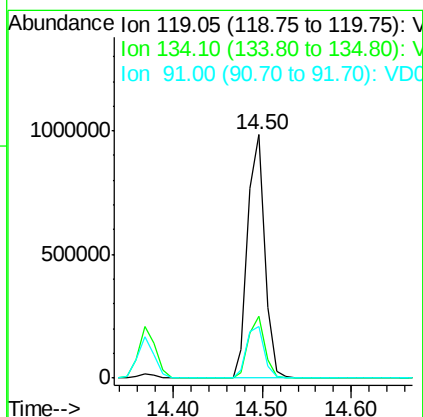
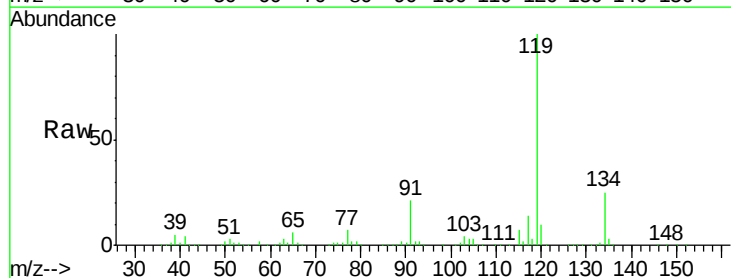
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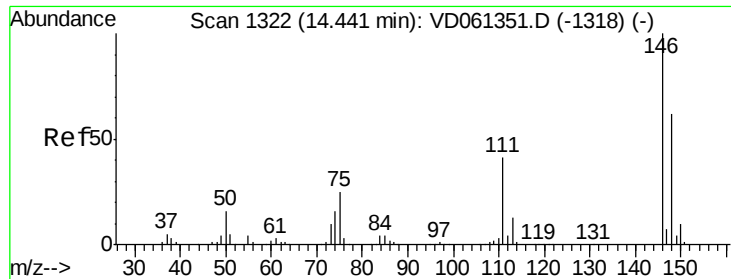
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 4/3/2019 1:03:05 PM



#86
 p-Isopropyltoluene
 Concen: 52.076 ug/l
 RT: 14.50 min Scan# 1328
 Delta R.T. 0.02 min
 Lab File: VD061531.D
 Acq: 2 Apr 2019 23:30

Tgt Ion:119 Resp: 1298197
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.3 36.8
 91 21.3 11.1 33.1





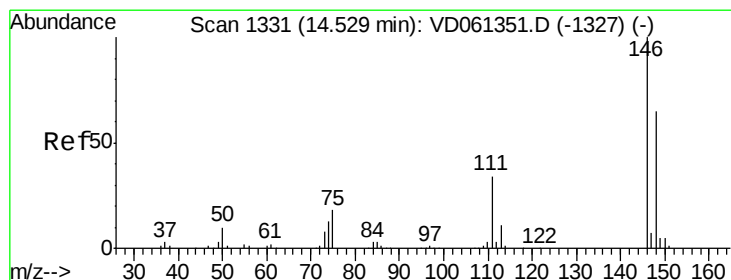
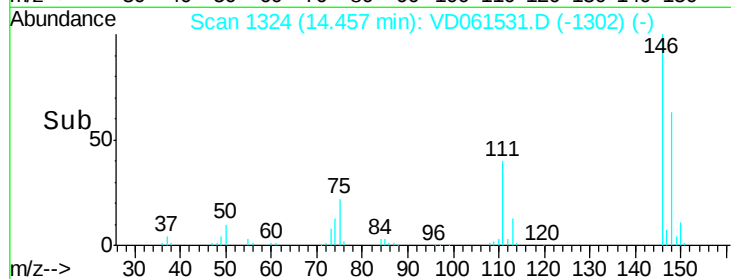
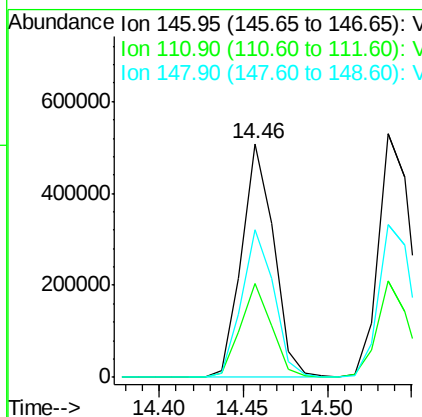
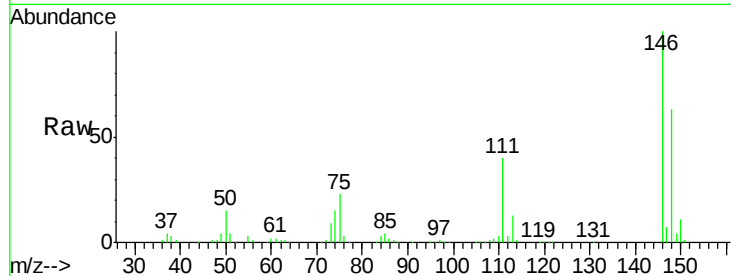
#87
 1,3-Dichlorobenzene
 Concen: 47.043 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.02 min
 Lab File: VD061531.D
 Acq: 2 Apr 2019 23:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.6	61.9
148	63.3	31.1	93.3

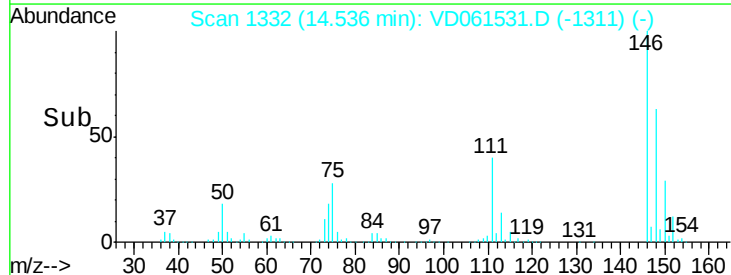
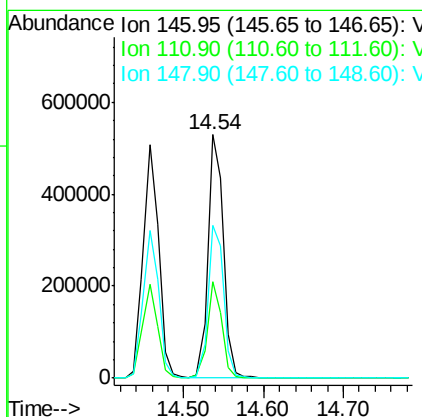
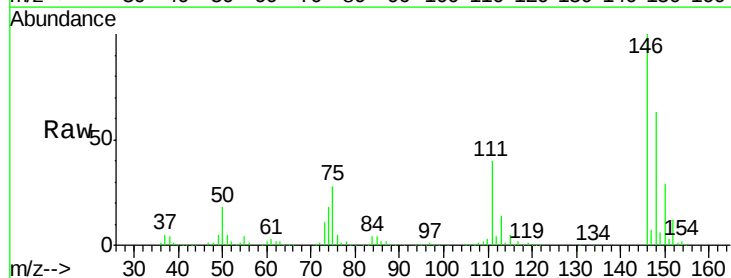
Manual Integrations
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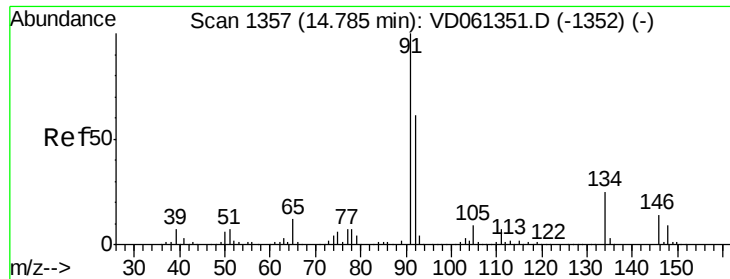
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#88
 1,4-Dichlorobenzene
 Concen: 50.874 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.01 min
 Lab File: VD061531.D
 Acq: 2 Apr 2019 23:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	16.8	50.4
148	62.9	32.6	98.0





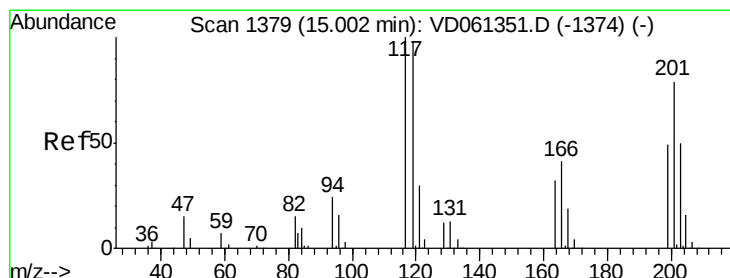
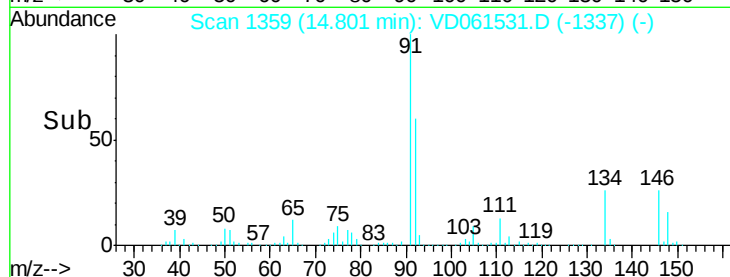
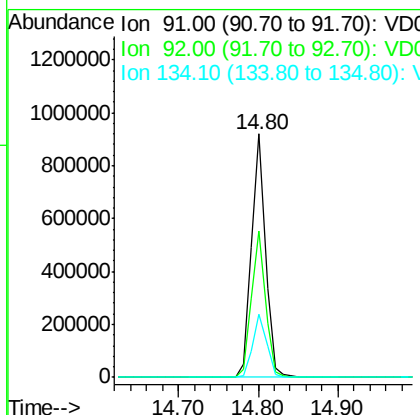
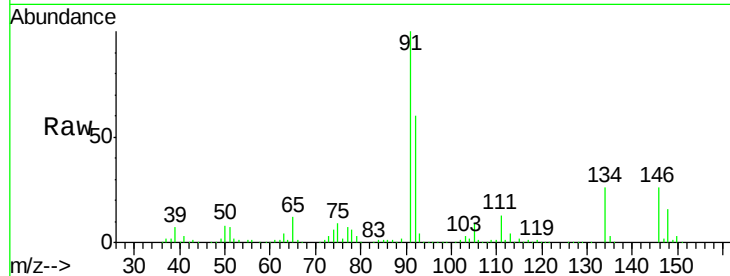
#89
n-Butylbenzene
Concen: 47.887 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.02 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1095694
Ion Ratio Lower Upper
91 100
92 60.4 30.3 91.0
134 25.9 12.4 37.0

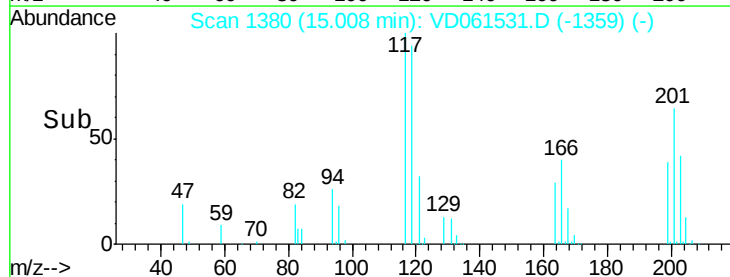
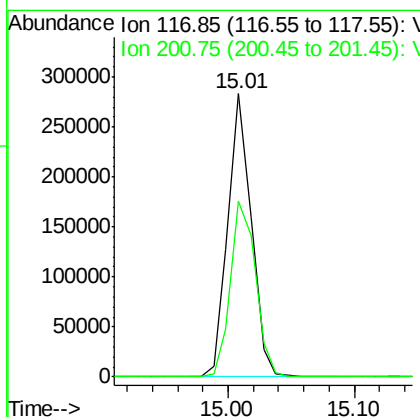
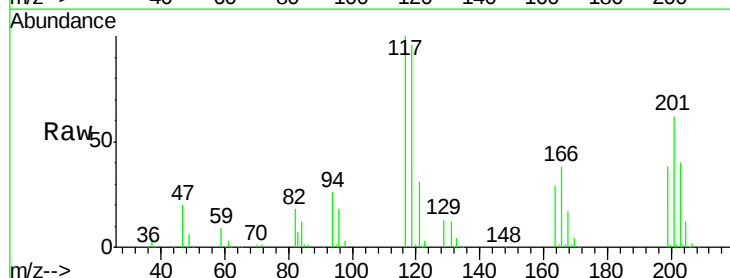
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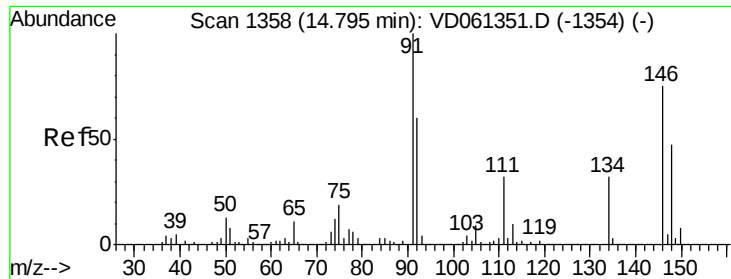
MMDadoda
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#90
Hexachloroethane
Concen: 51.559 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.01 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Tgt Ion: 117 Resp: 363114
Ion Ratio Lower Upper
117 100
201 62.0 39.6 119.0





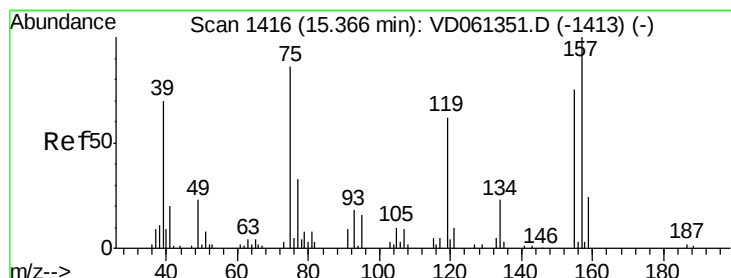
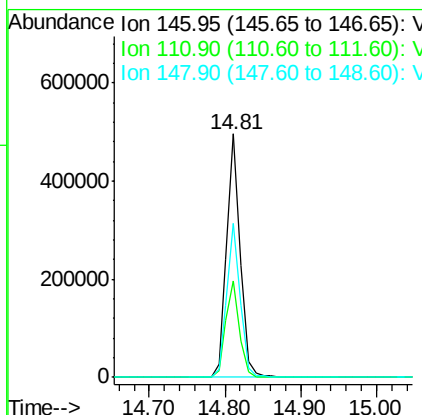
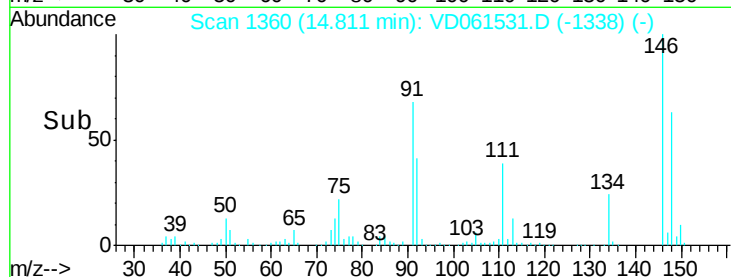
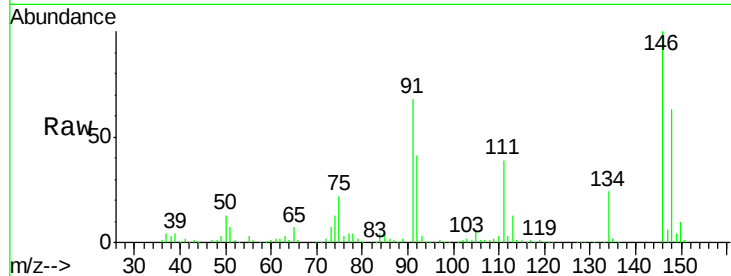
#91
 1,2-Dichlorobenzene
 Concen: 51.939 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. 0.02 min
 Lab File: VD061531.D
 Acq: 2 Apr 2019 23:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	21.2	63.6
148	63.2	31.6	95.0

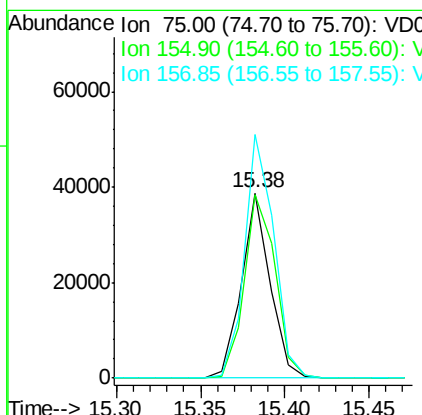
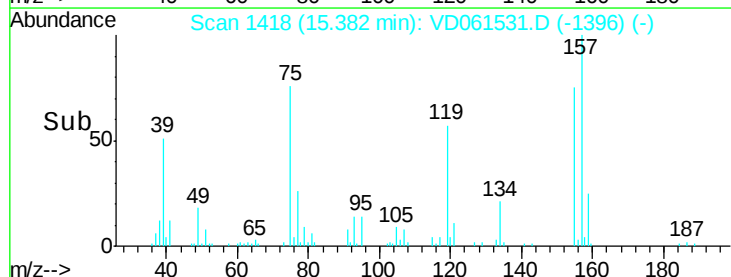
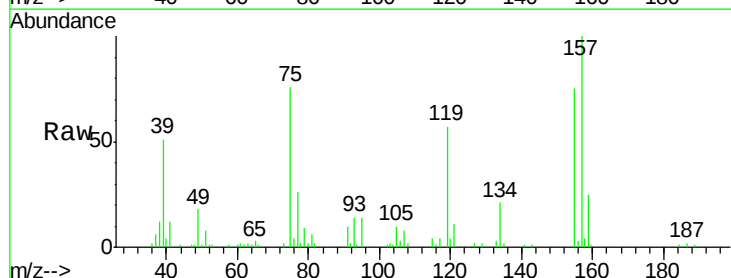
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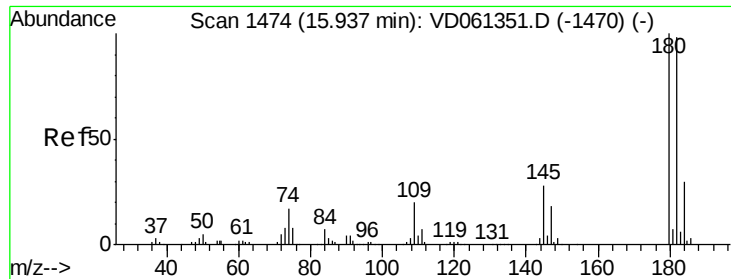
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 64.587 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.02 min
 Lab File: VD061531.D
 Acq: 2 Apr 2019 23:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.0	43.6	130.9
157	131.5	58.5	175.3





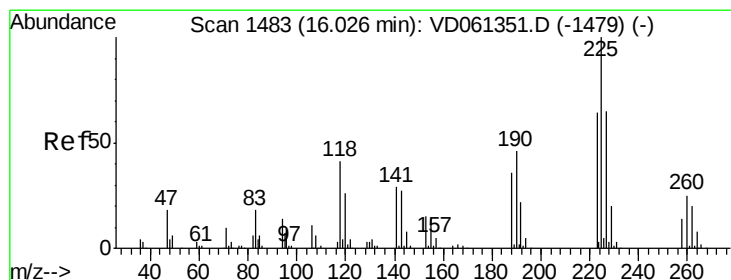
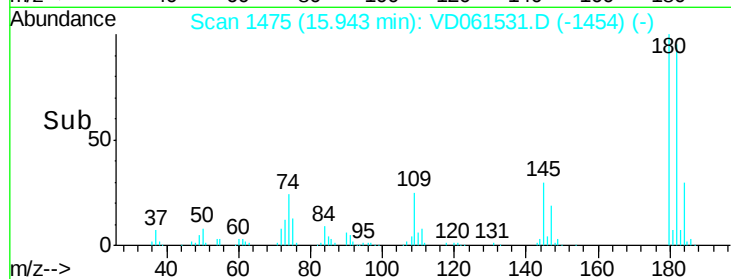
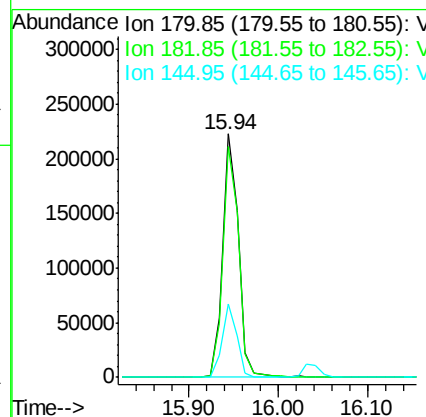
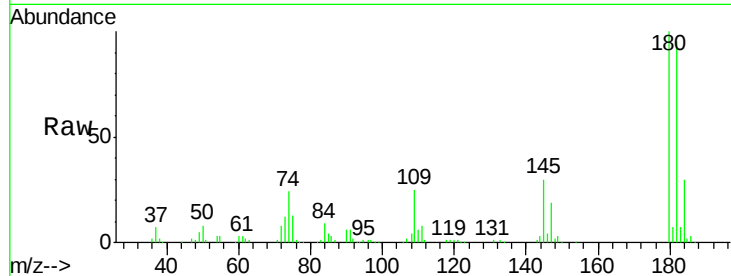
#93
 1,2,4-Trichlorobenzene
 Concen: 51.477 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.01 min
 Lab File: VD061531.D
 Acq: 2 Apr 2019 23:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	276351		
182	94.7	48.9	146.8	
145	30.0	14.1	42.3	

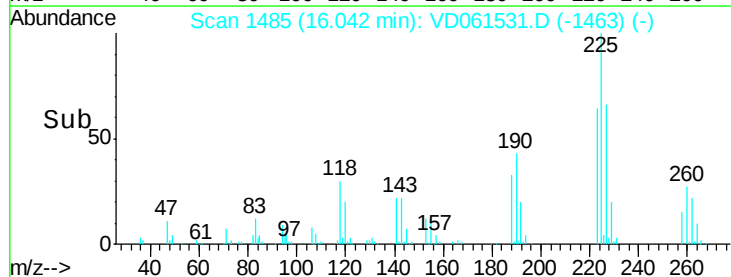
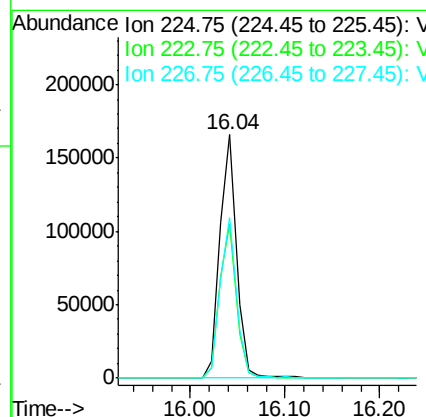
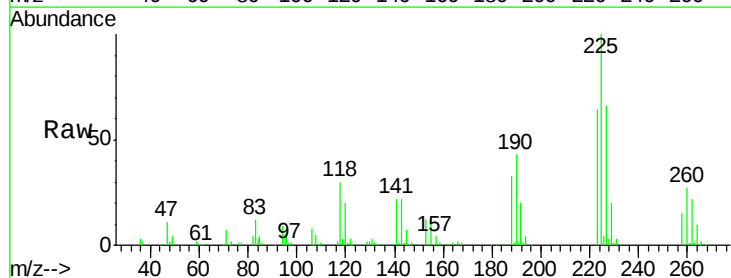
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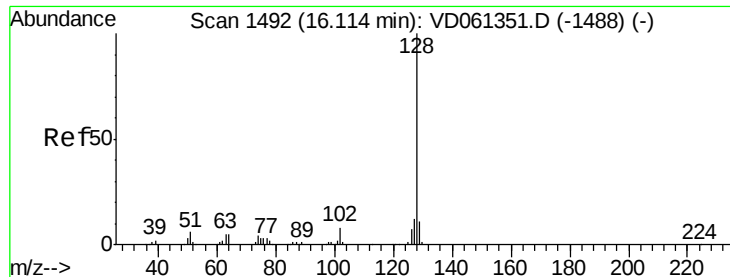
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#94
 Hexachlorobutadiene
 Concen: 48.671 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.02 min
 Lab File: VD061531.D
 Acq: 2 Apr 2019 23:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	204177		
223	63.5	32.0	96.0	
227	65.8	32.4	97.2	





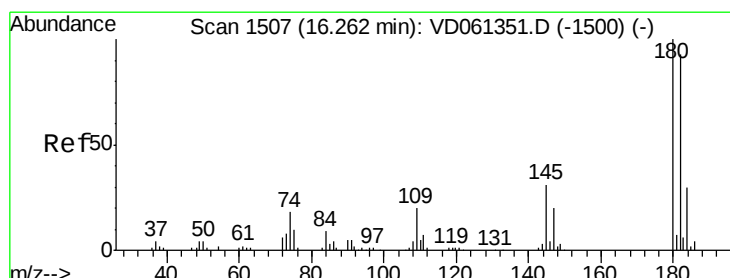
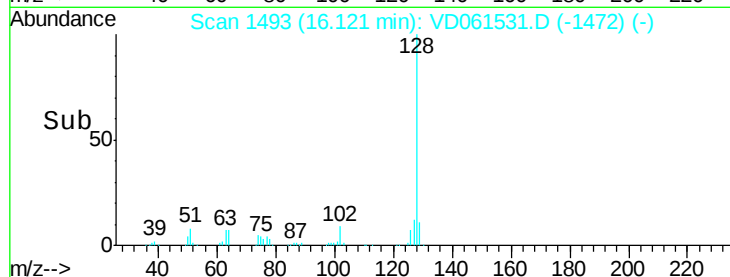
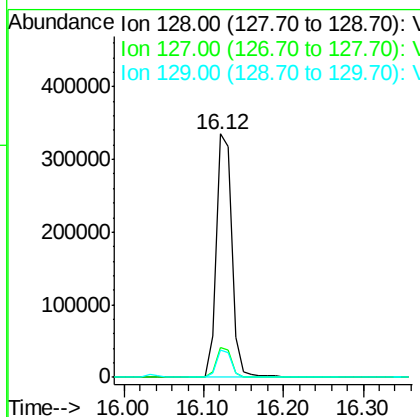
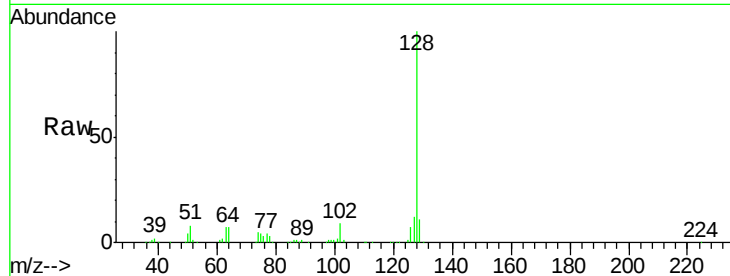
#95
Naphthalene
Concen: 57.011 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
128	100	466517		
127	12.3		9.9	14.9
129	11.0		8.9	13.3

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 52.989 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.01 min
Lab File: VD061531.D
Acq: 2 Apr 2019 23:30

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	125179		
182	94.5		46.4	139.1
145	32.8		15.3	45.9

