

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061019\
 Data File : VD062646.D
 Acq On : 10 Jun 2019 11:30
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/14/2019 12:38:40 AM

Quant Time: Jun 11 04:29:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	719646	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	936863	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	779038	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	470696	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.44	65	593117	57.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.24%	
35) Dibromofluoromethane	6.92	113	555853	56.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.52%	
50) Toluene-d8	10.41	98	1184727	57.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.00%	
62) 4-Bromofluorobenzene	13.55	95	575789	59.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.58	85	383136	45.566	ug/l	98
3) Chloromethane	1.75	50	308134	43.273	ug/l	98
4) Vinyl Chloride	1.85	62	327257	44.570	ug/l	99
5) Bromomethane	2.16	94	192842	52.030	ug/l	98
6) Chloroethane	2.28	64	182172	50.252	ug/l	94
7) Trichlorofluoromethane	2.53	101	797748	48.540	ug/l	99
8) Diethyl Ether	2.88	74	99051	44.312	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.14	101	408722	46.114	ug/l	97
10) Methyl Iodide	3.31	142	535869	42.318	ug/l	96
11) Tert butyl alcohol	4.08	59	85123	199.420	ug/l #	82
12) 1,1-Dichloroethene	3.12	96	302033	47.484	ug/l	94
13) Acrolein	3.03	56	33050	240.704	ug/l	95
14) Allyl chloride	3.62	41	456130	46.638	ug/l	99
15) Acrylonitrile	4.20	53	218120	224.869	ug/l	96
16) Acetone	3.22	43	510076	268.241	ug/l	98
17) Carbon Disulfide	3.37	76	887694	47.359	ug/l	97
18) Methyl Acetate	3.64	43	127734	40.874	ug/l #	86
19) Methyl tert-butyl Ether	4.25	73	732918	47.245	ug/l	99
20) Methylene Chloride	3.81	84	302553	42.041	ug/l #	86
21) trans-1,2-Dichloroethene	4.22	96	313577	44.944	ug/l	93
22) Diisopropyl ether	5.12	45	964392	47.490	ug/l	96
23) Vinyl Acetate	5.05	43	3024566	240.075	ug/l	97
24) 1,1-Dichloroethane	4.98	63	604338	46.259	ug/l	100
25) 2-Butanone	6.07	43	421692	227.311	ug/l	100
26) 2,2-Dichloropropane	6.03	77	733392	48.709	ug/l	100
27) cis-1,2-Dichloroethene	6.04	96	344916	45.601	ug/l	97
28) Bromochloromethane	6.43	49	271330	54.332	ug/l	87
29) Tetrahydrofuran	6.46	42	178215	213.324	ug/l	98
30) Chloroform	6.66	83	788477	47.041	ug/l	97
31) Cyclohexane	6.95	56	386975	47.221	ug/l	91
32) 1,1,1-Trichloroethane	6.86	97	834951	50.061	ug/l	99
36) 1,1-Dichloropropene	7.14	75	545658	50.890	ug/l	96
37) Ethyl Acetate	6.17	43	200172	43.933	ug/l #	92
38) Carbon Tetrachloride	7.11	117	871456m	51.420	ug/l	

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Manual Integrations
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MMDadoda
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 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	452425	52.215	ug/l	94
40) Benzene	7.45	78	1027926	49.090	ug/l	99
41) Methacrylonitrile	6.44	41	258289	46.017	ug/l #	92
42) 1,2-Dichloroethane	7.57	62	645303	51.703	ug/l	98
43) Isopropyl Acetate	9.24	43	284921	50.361	ug/l #	98
44) Trichloroethene	8.54	130	426582	50.180	ug/l	92
45) 1,2-Dichloropropane	8.93	63	243156	48.344	ug/l	98
46) Dibromomethane	9.06	93	219214	49.101	ug/l	92
47) Bromodichloromethane	9.37	83	629901	51.865	ug/l	91
48) Methyl methacrylate	9.12	41	185356	45.349	ug/l	94
49) 1,4-Dioxane	9.08	88	29273	810.316	ug/l #	85
51) 4-Methyl-2-Pentanone	10.30	43	957993	241.995	ug/l	100
52) Toluene	10.51	92	714855	50.788	ug/l	96
53) t-1,3-Dichloropropene	10.91	75	494970	49.708	ug/l	100
54) cis-1,3-Dichloropropene	10.03	75	494326	48.033	ug/l	98
55) 1,1,2-Trichloroethane	11.19	97	228868	47.414	ug/l	97
56) Ethyl methacrylate	11.04	69	245173	42.773	ug/l	99
57) 1,3-Dichloropropane	11.40	76	366044	48.926	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.86	63	573505	222.295	ug/l	97
59) 2-Hexanone	11.53	43	758471	257.568	ug/l	97
60) Dibromochloromethane	11.68	129	466262	48.933	ug/l	100
61) 1,2-Dibromoethane	11.81	107	275165	47.630	ug/l	92
64) Tetrachloroethene	11.25	164	359042	49.233	ug/l	96
65) Chlorobenzene	12.40	112	845004	49.037	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.51	131	422346	51.390	ug/l	94
67) Ethyl Benzene	12.52	91	1557724	50.985	ug/l	98
68) m/p-Xylenes	12.66	106	1076757	100.248	ug/l	96
69) o-Xylene	13.05	106	445949	45.207	ug/l	99
70) Styrene	13.07	104	796792	45.270	ug/l	98
71) Bromoform	13.23	173	293600	46.762	ug/l	96
73) Isopropylbenzene	13.40	105	1606320	48.417	ug/l	97
74) N-amyl acetate	13.26	43	382605	42.671	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.70	83	247020	43.514	ug/l	100
76) 1,2,3-Trichloropropane	13.73	75	289428	45.349	ug/l	95
77) Bromobenzene	13.67	156	435196	45.894	ug/l	96
78) n-propylbenzene	13.77	91	1897923	46.735	ug/l	96
79) 2-Chlorotoluene	13.83	91	1122478	47.206	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	1328316	45.302	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	75582	40.718	ug/l	96
82) 4-Chlorotoluene	13.94	91	1257532	44.223	ug/l	95
83) tert-Butylbenzene	14.19	119	1500710	46.404	ug/l	95
84) 1,2,4-Trimethylbenzene	14.24	105	1333548	45.934	ug/l	99
85) sec-Butylbenzene	14.37	105	1575759	46.466	ug/l	98
86) p-Isopropyltoluene	14.48	119	1594699	48.298	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	791386	46.068	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	774682	47.718	ug/l	98
89) n-Butylbenzene	14.80	91	1435272	48.320	ug/l	97
90) Hexachloroethane	15.01	117	431189	49.468	ug/l	94
91) 1,2-Dichlorobenzene	14.81	146	666766	46.693	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	55199	45.522	ug/l #	58

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Instrument :
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ClientSampleId :
VSTDCCC050

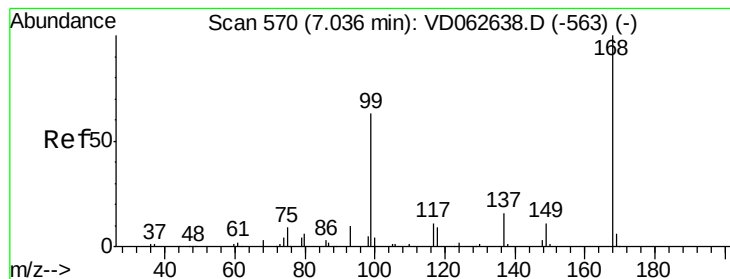
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Sat Jun 08 00:02:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	508660	42.562	ug/l	99
94) Hexachlorobutadiene	16.04	225	403538	47.864	ug/l	97
95) Naphthalene	16.12	128	683923	40.731	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	371323	45.146	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.01 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Instrument :

MSVOA_D

ClientSampled :

VSTDCCC050

Tot Ion:168 Resp: 719646

Ion Ratio Lower Upper

168 100

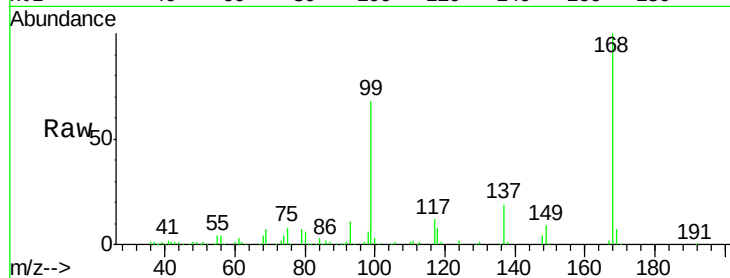
99 68.4 51.4 77.2

Manual Integrations

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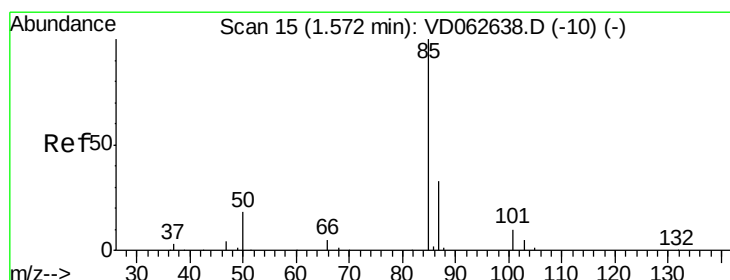
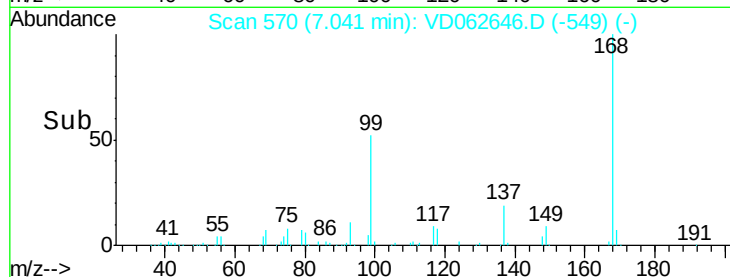
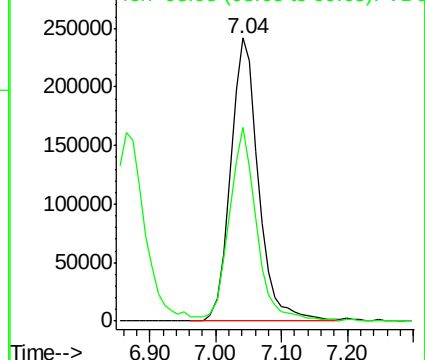
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 45.566 ug/l

RT: 1.58 min Scan# 15

Delta R.T. 0.01 min

Lab File: VD062646.D

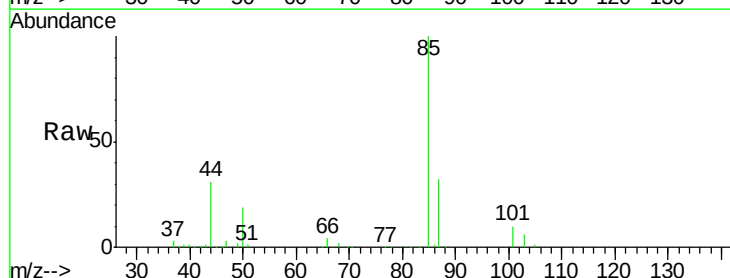
Acq: 10 Jun 2019 11:30

Tgt Ion: 85 Resp: 383136

Ion Ratio Lower Upper

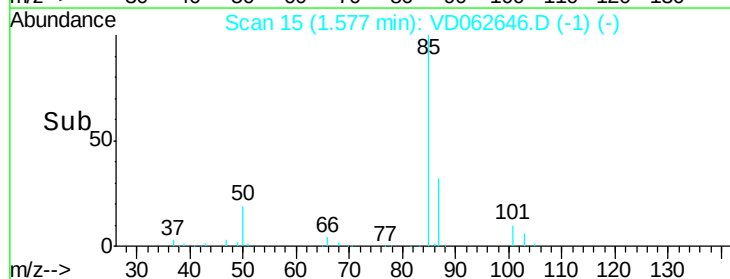
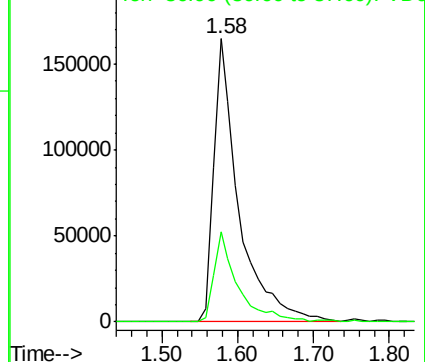
85 100

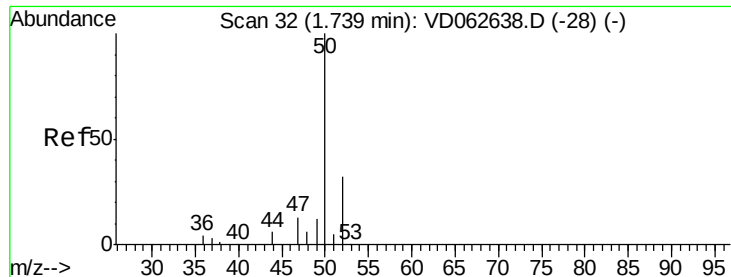
87 31.8 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 43.273 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.02 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 308134

Ion Ratio Lower Upper

50 100

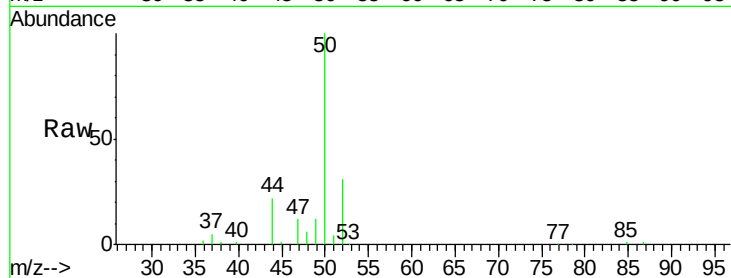
52 31.4 25.8 38.8

Manual Integrations

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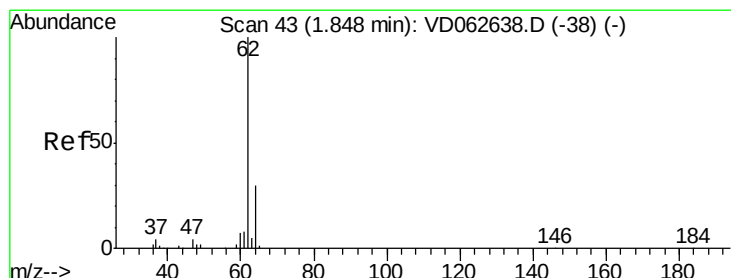
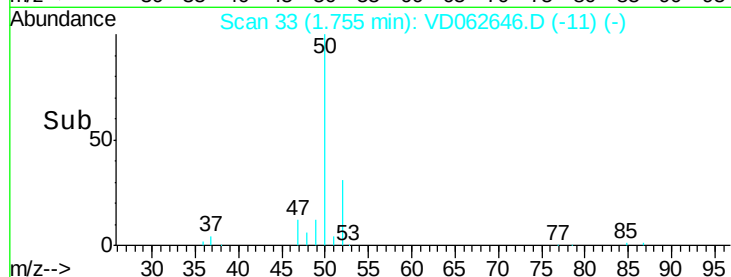
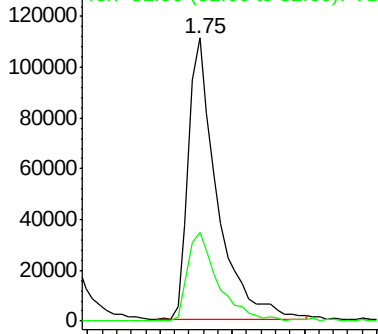
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 44.570 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.01 min

Lab File: VD062646.D

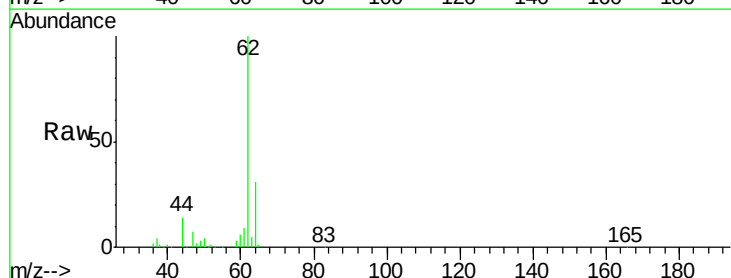
Acq: 10 Jun 2019 11:30

Tgt Ion: 62 Resp: 327257

Ion Ratio Lower Upper

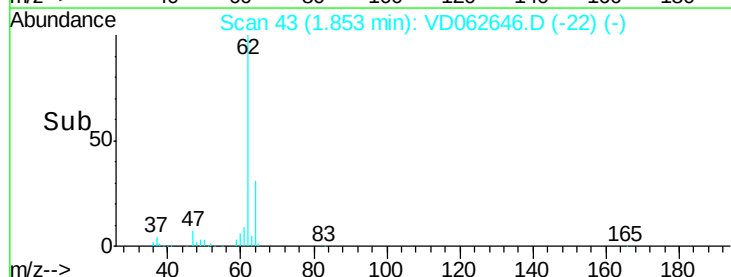
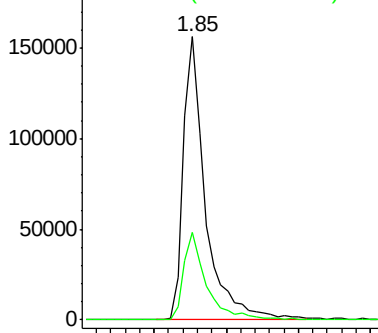
62 100

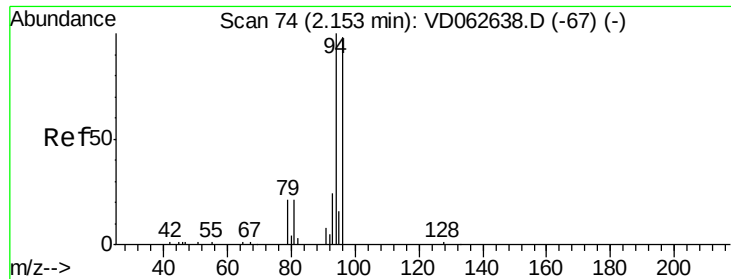
64 31.0 24.2 36.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 52.030 ug/l

RT: 2.16 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Instrument :

MSVOA_D

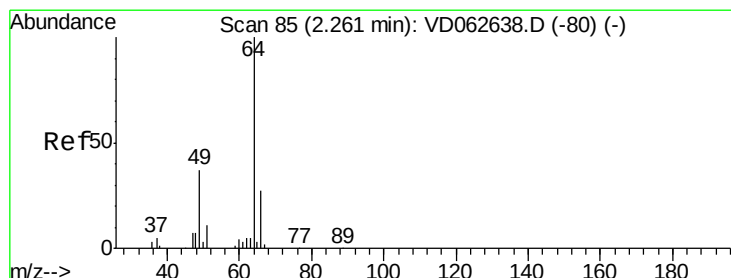
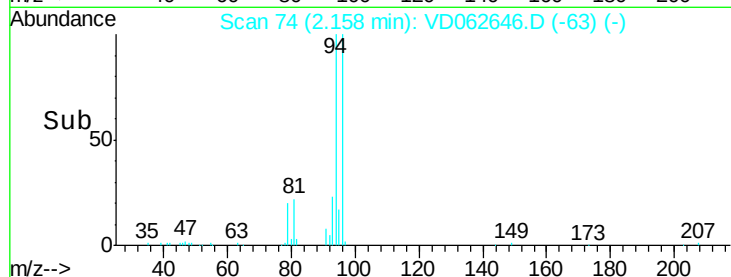
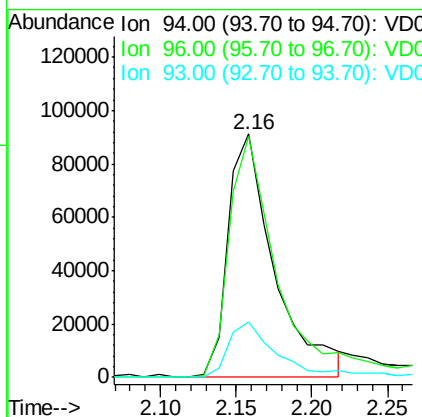
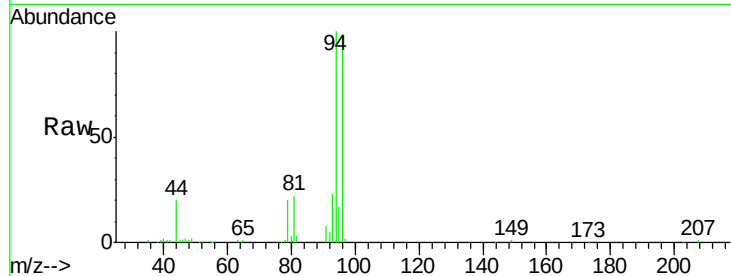
ClientSampleId :

VSTDCCC050

Tot Ion:	94	Resp:	192842
Ion	Ratio	Lower	Upper
94	100		
96	99.1	78.1	117.1
93	22.8	19.6	29.4

Manual Integrations
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#6

Chloroethane

Concen: 50.252 ug/l

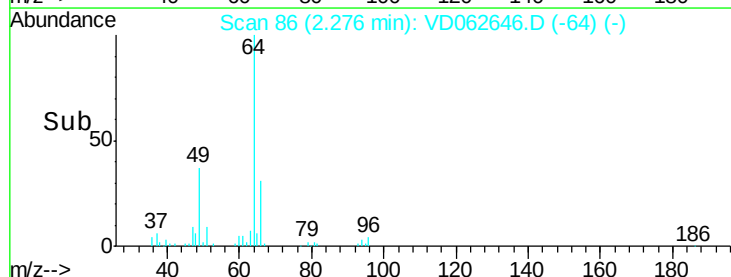
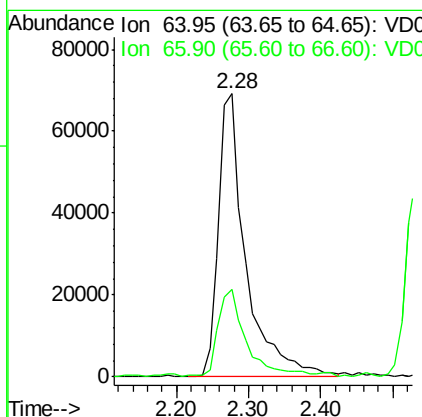
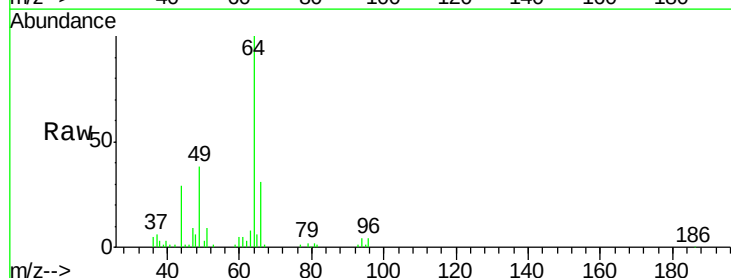
RT: 2.28 min Scan# 86

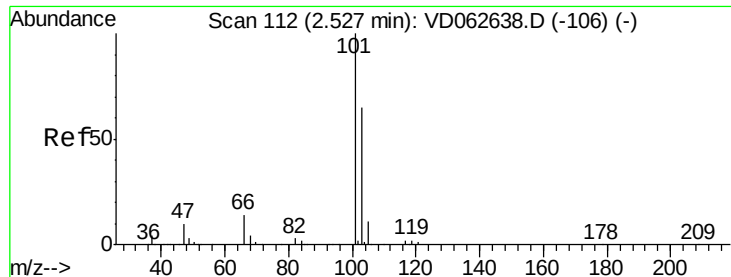
Delta R.T. 0.02 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Tgt Ion:	64	Resp:	182172
Ion	Ratio	Lower	Upper
64	100		
66	30.8	21.9	32.9





#7

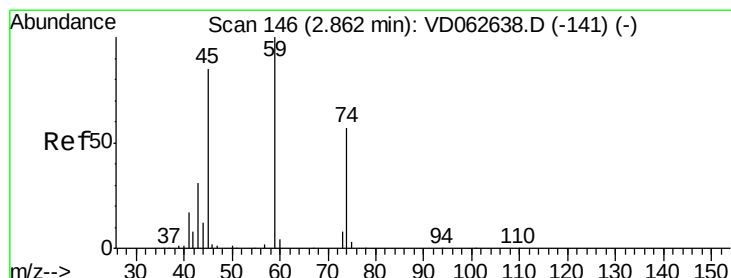
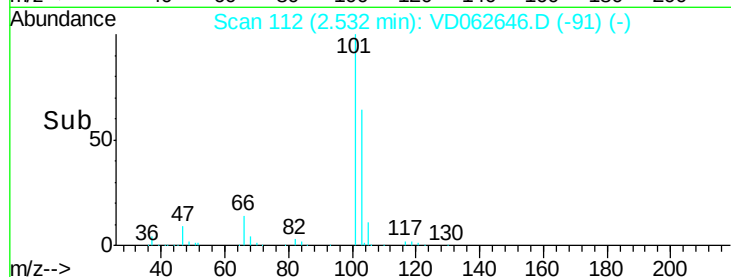
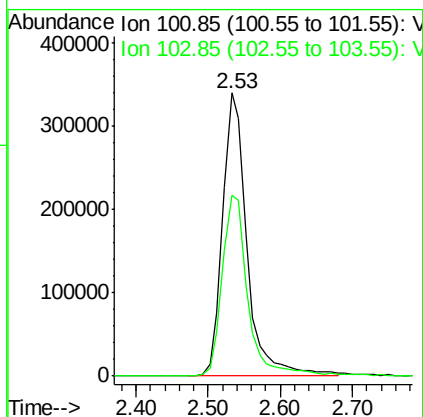
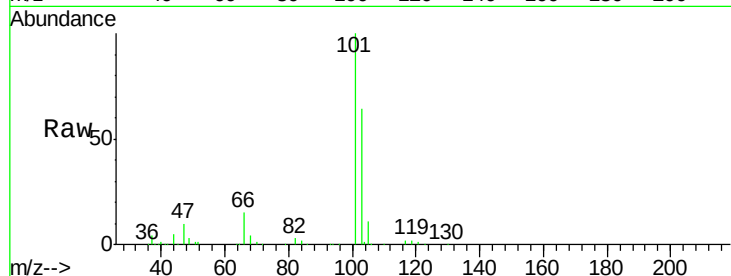
Trichlorofluoromethane
Concen: 48.540 ug/l
RT: 2.53 min Scan# 112
Delta R.T. 0.01 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.2	78.2

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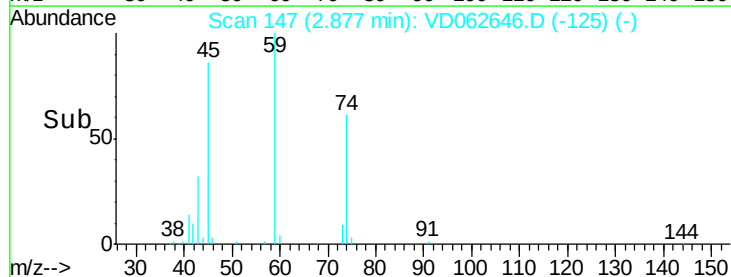
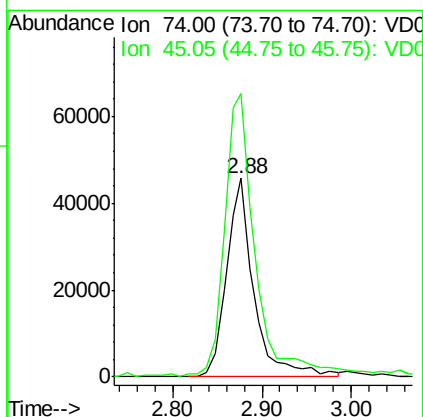
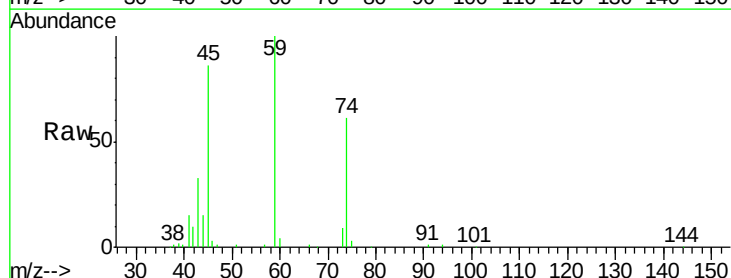
MMDadoda
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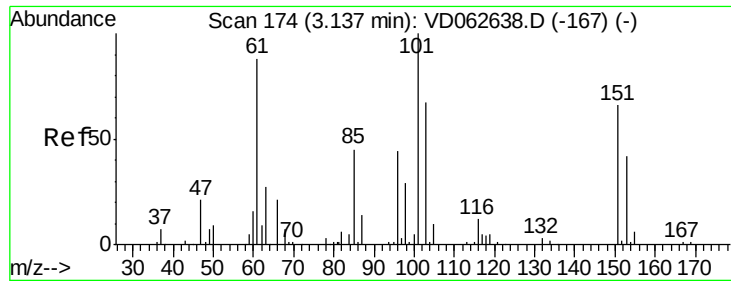


#8

Diethyl Ether
Concen: 44.312 ug/l
RT: 2.88 min Scan# 147
Delta R.T. 0.02 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	142.4	74.9	224.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.114 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.01 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Instrument :

MSVOA_D

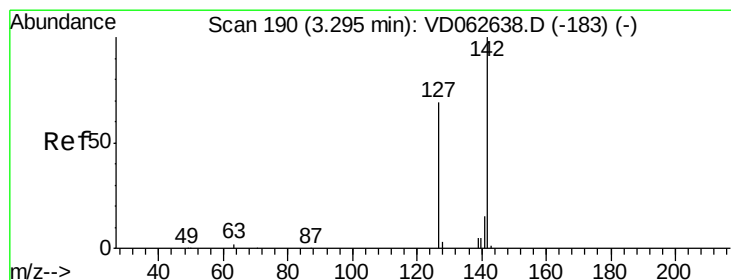
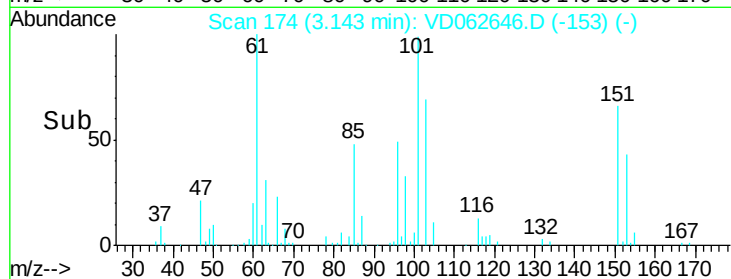
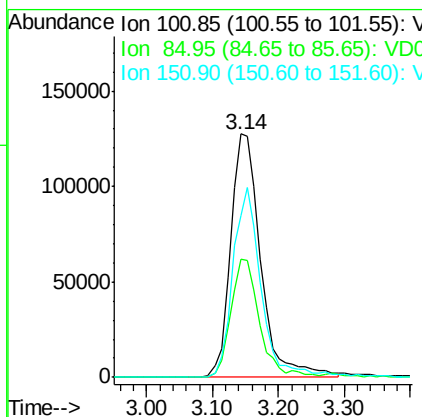
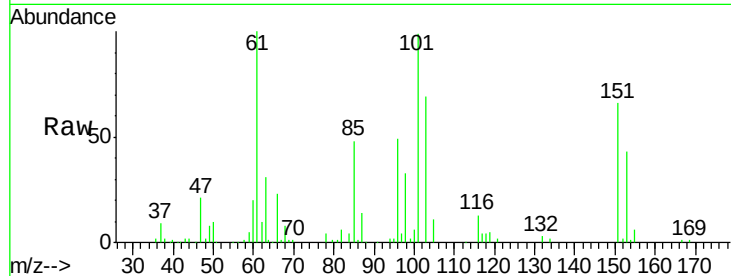
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	408722
Ion Ratio	Lower	Upper	
101	100		
85	48.5	36.0	54.0
151	66.5	52.6	79.0

Manual Integrations
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#10

Methyl Iodide

Concen: 42.318 ug/l

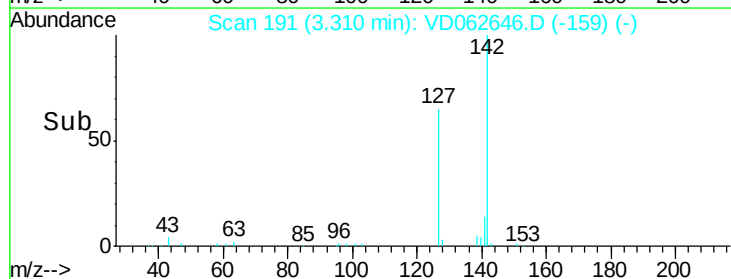
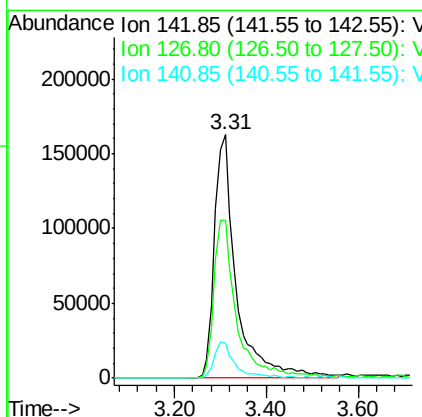
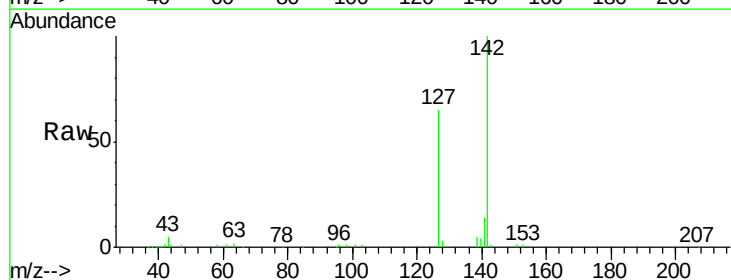
RT: 3.31 min Scan# 191

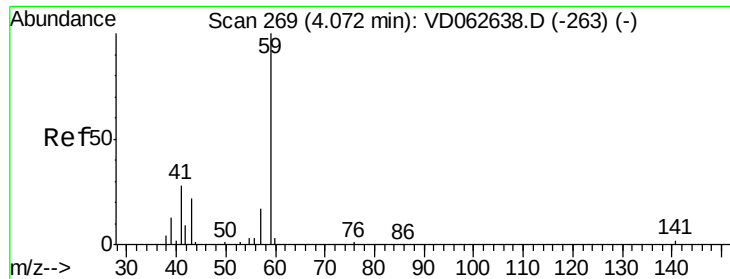
Delta R.T. 0.02 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Tgt Ion:	142	Resp:	535869
Ion Ratio	Lower	Upper	
142	100		
127	64.9	55.2	82.8
141	14.3	12.1	18.1





#11

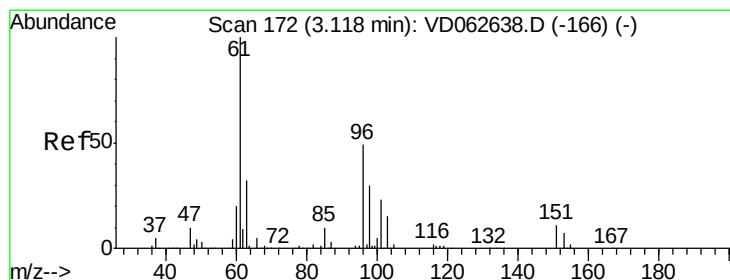
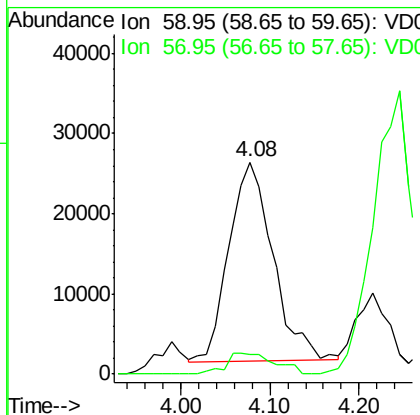
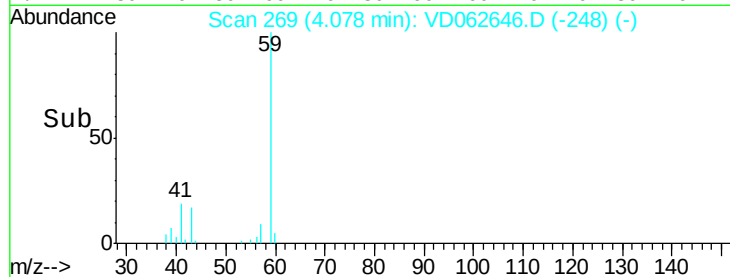
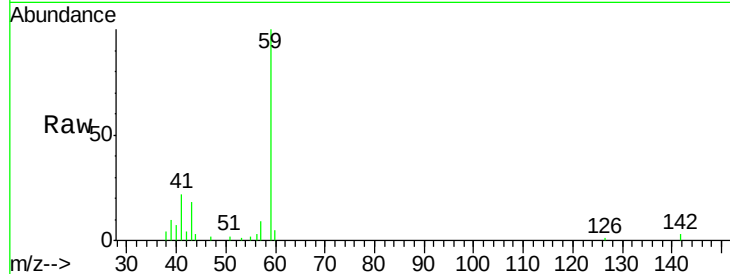
Tert butyl alcohol
Concen: 199.420 ug/l
RT: 4.08 min Scan# 269
Delta R.T. 0.01 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 85123
Ion Ratio Lower Upper
59 100
57 9.2 13.7 20.5#

Manual Integrations
APPROVED

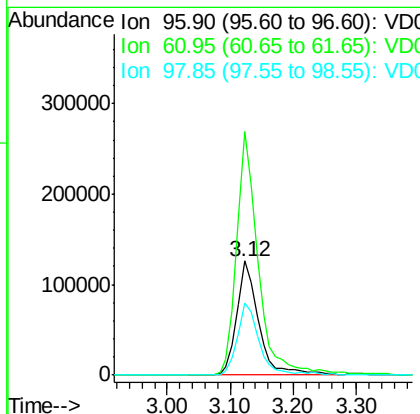
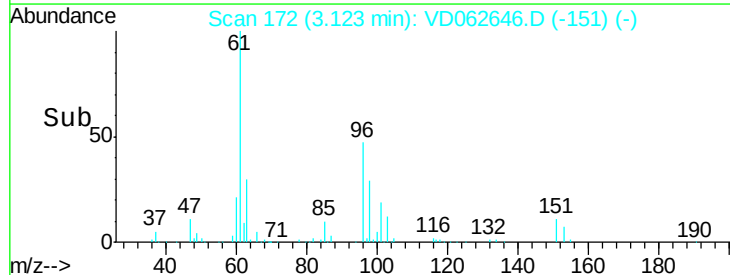
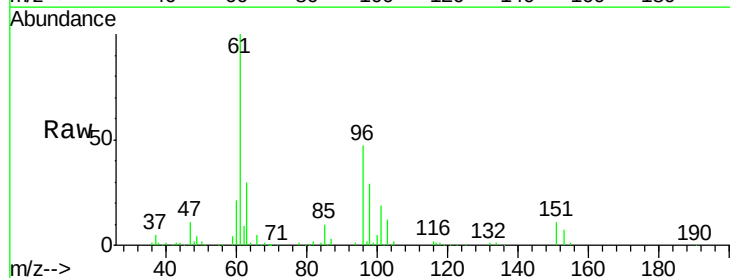
MMDadoda
6/14/2019 12:38:40 AM

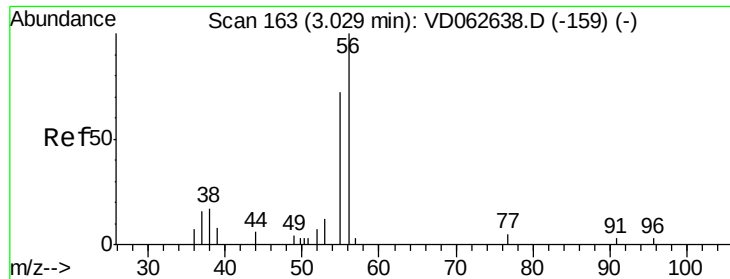


#12

1,1-Dichloroethene
Concen: 47.484 ug/l
RT: 3.12 min Scan# 172
Delta R.T. 0.01 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

Tgt Ion: 96 Resp: 302033
Ion Ratio Lower Upper
96 100
61 213.1 161.8 242.8
98 62.7 48.2 72.4





#13

Acrolein

Concen: 240.704 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.01 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 33050

Ion Ratio Lower Upper

56 100

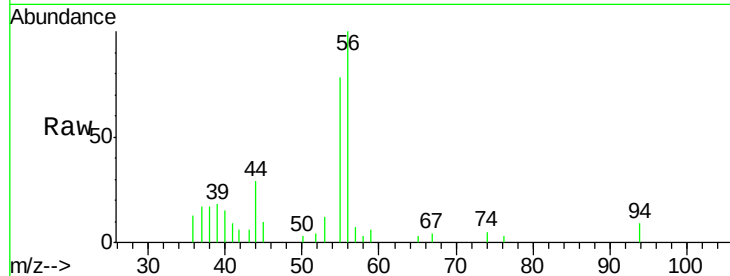
55 78.5 59.4 89.0

Manual Integrations

APPROVED

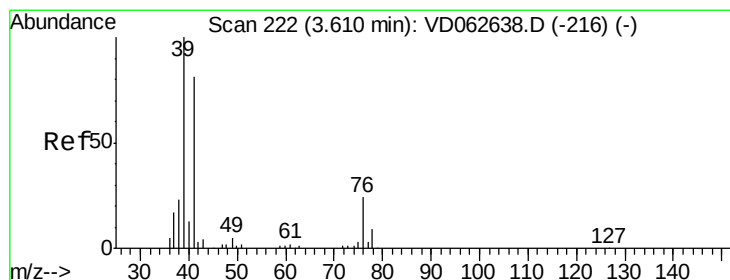
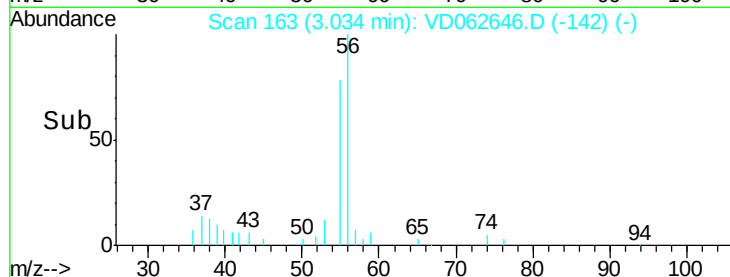
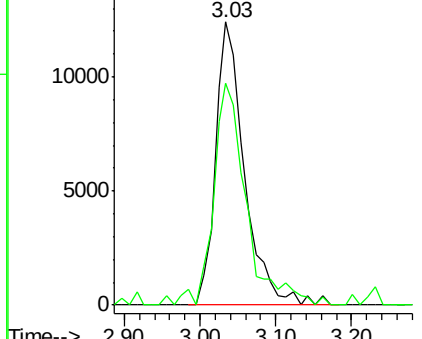
MMDadoda

6/14/2019 12:38:40 AM



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 46.638 ug/l

RT: 3.62 min Scan# 222

Delta R.T. 0.01 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

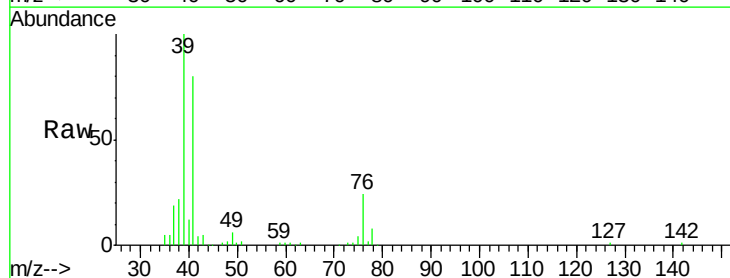
Tgt Ion: 41 Resp: 456130

Ion Ratio Lower Upper

41 100

39 124.2 99.1 148.7

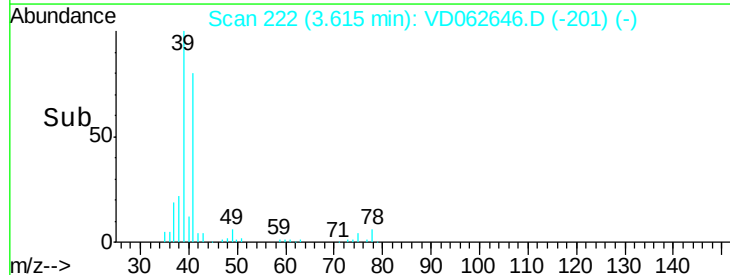
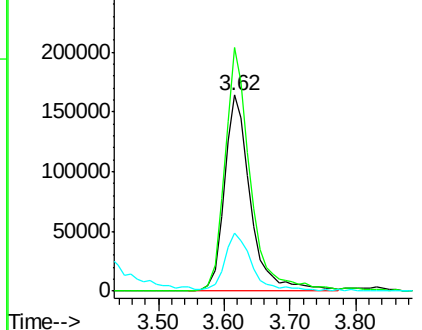
76 29.6 25.0 37.6

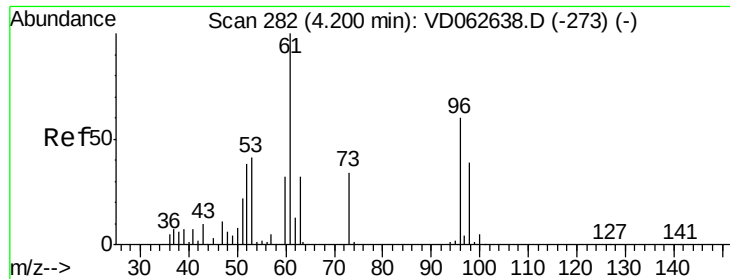


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





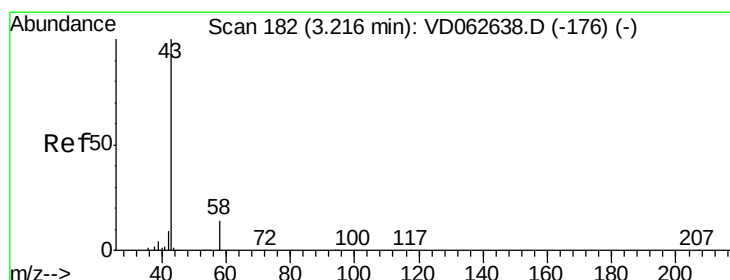
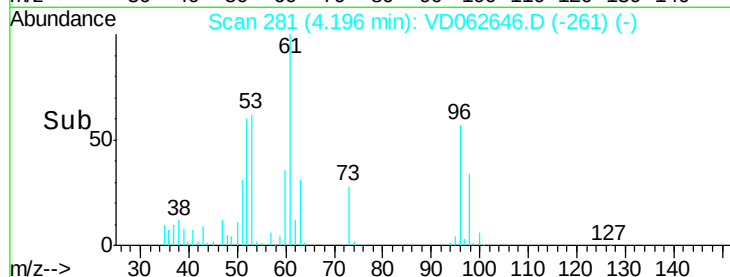
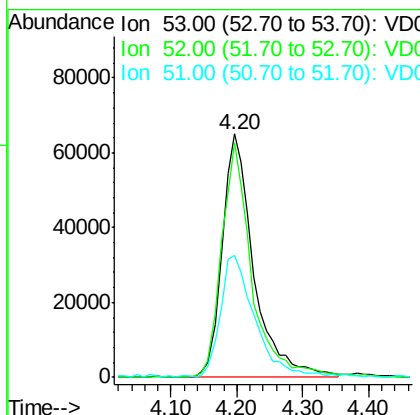
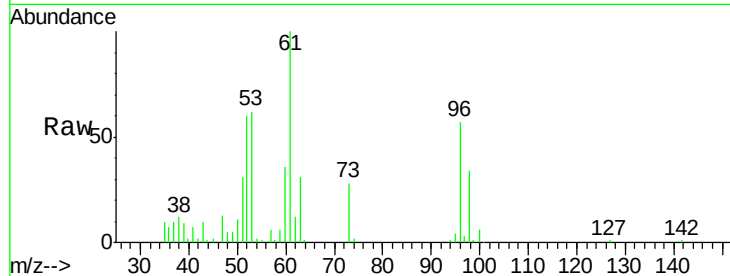
#15
 Acrylonitrile
 Concen: 224.869 ug/l
 RT: 4.20 min Scan# 281
 Delta R.T. -0.00 min
 Lab File: VD062646.D
 Acq: 10 Jun 2019 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	96.5	73.6	110.4
51	49.9	42.0	63.0

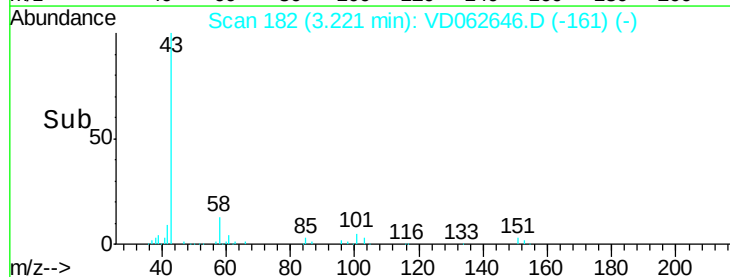
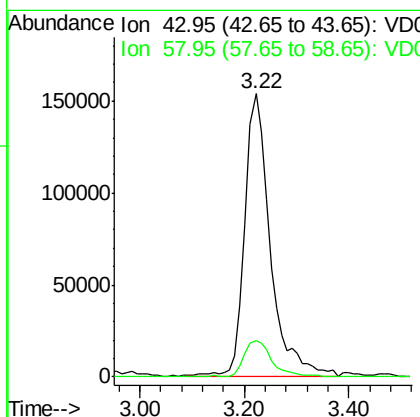
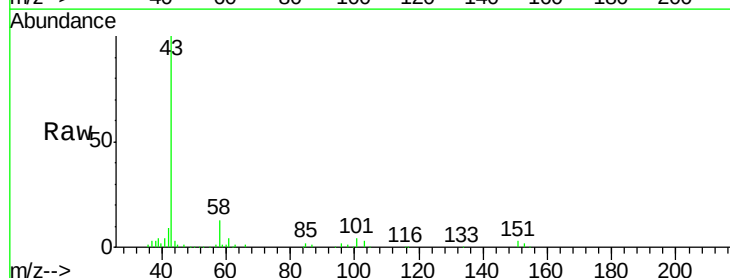
Manual Integrations
 APPROVED

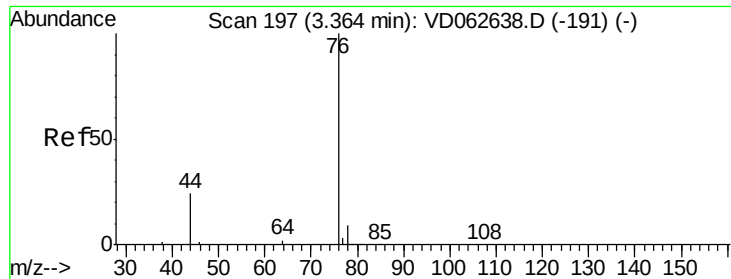
MMDadoda
 6/14/2019 12:38:40 AM



#16
 Acetone
 Concen: 268.241 ug/l
 RT: 3.22 min Scan# 182
 Delta R.T. 0.01 min
 Lab File: VD062646.D
 Acq: 10 Jun 2019 11:30

Tgt Ion	Ratio	Lower	Upper
43	100		
58	12.7	10.8	16.2





#17

Carbon Disulfide

Concen: 47.359 ug/l

RT: 3.37 min Scan# 197

Delta R.T. 0.01 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 887694

Ion Ratio Lower Upper

76 100

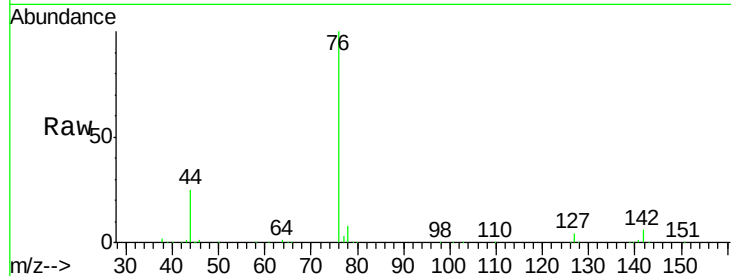
78 7.6 7.0 10.4

Manual Integrations

APPROVED

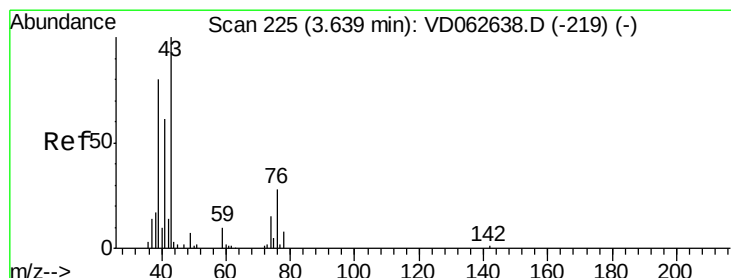
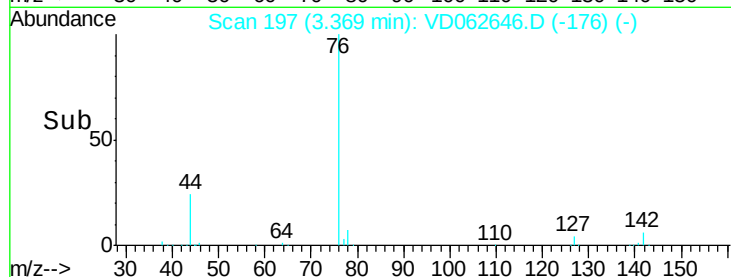
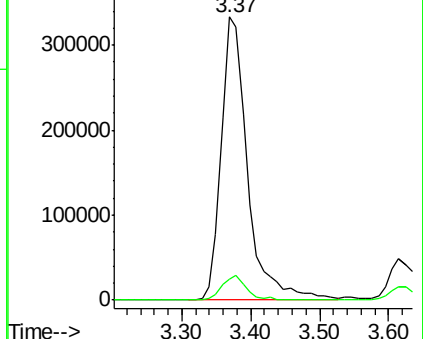
MMDadoda

6/14/2019 12:38:40 AM



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 40.874 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD062646.D

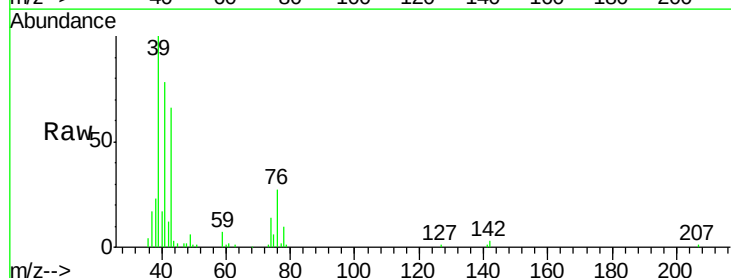
Acq: 10 Jun 2019 11:30

Tgt Ion: 43 Resp: 127734

Ion Ratio Lower Upper

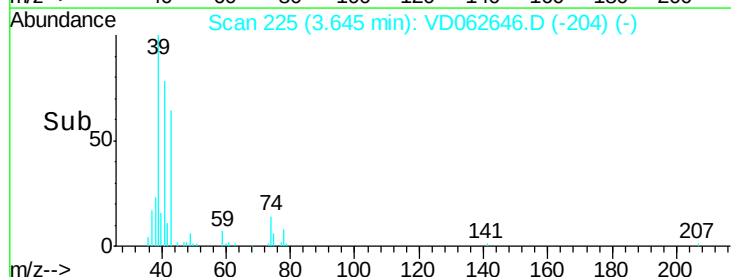
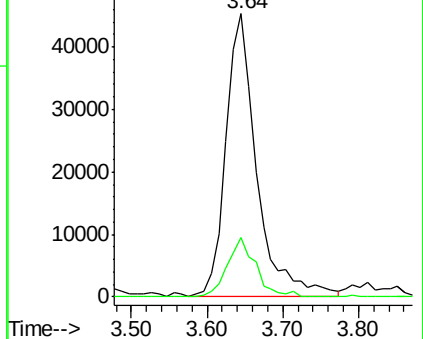
43 100

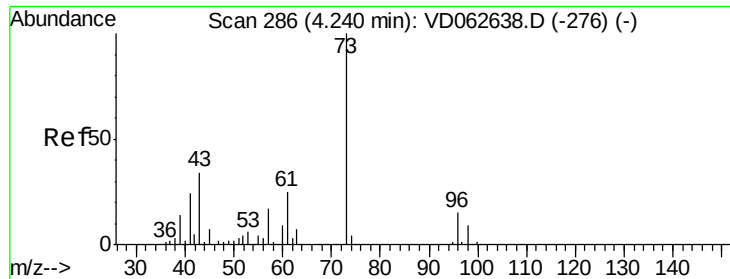
74 21.1 12.1 18.1#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





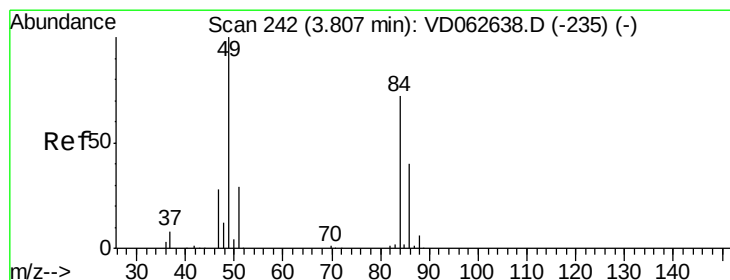
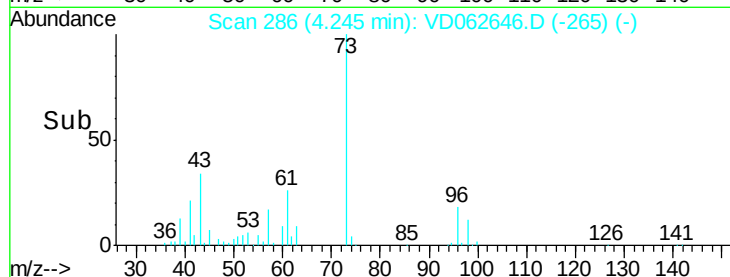
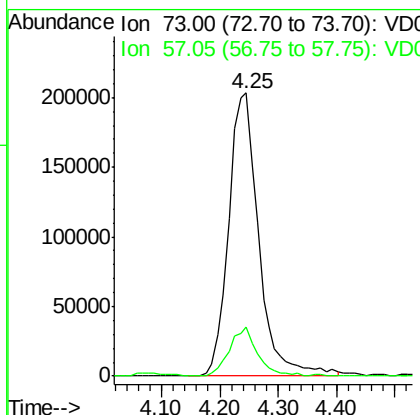
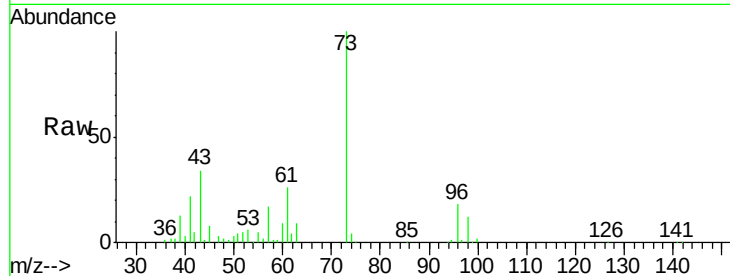
#19
Methyl tert-butyl Ether
Concen: 47.245 ug/l
RT: 4.25 min Scan# 286
Delta R.T. 0.01 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 732918
Ion Ratio Lower Upper
73 100
57 17.4 13.5 20.3

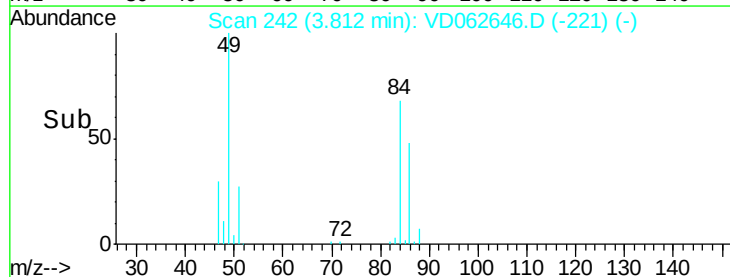
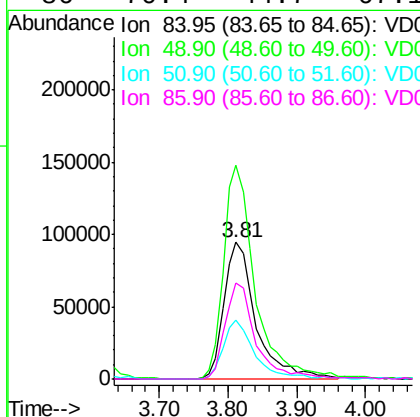
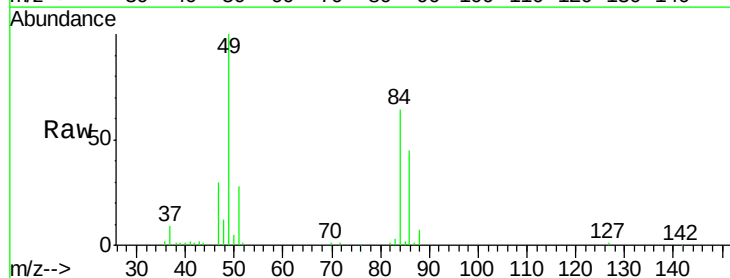
Manual Integrations
APPROVED

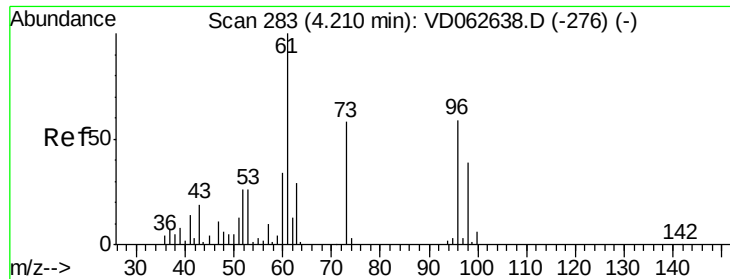
MMDadoda
6/14/2019 12:38:40 AM



#20
Methylene Chloride
Concen: 42.041 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

Tgt Ion: 84 Resp: 302553
Ion Ratio Lower Upper
84 100
49 156.3 111.2 166.8
51 43.2 31.9 47.9
86 70.4 44.7 67.1#





#21

trans-1,2-Dichloroethene

Concen: 44.944 ug/l

RT: 4.22 min Scan# 283

Delta R.T. 0.01 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 313577

Ion Ratio Lower Upper

96 100

61 178.1 134.6 201.8

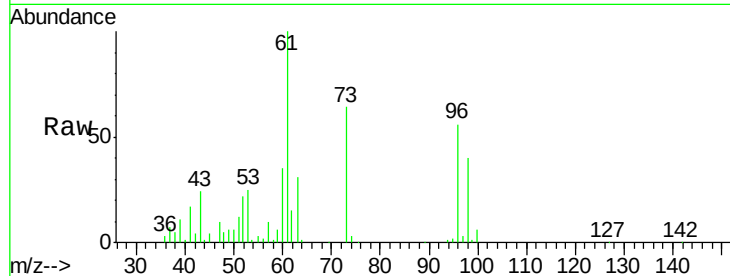
98 70.8 51.8 77.8

Manual Integrations

APPROVED

MMDadoda

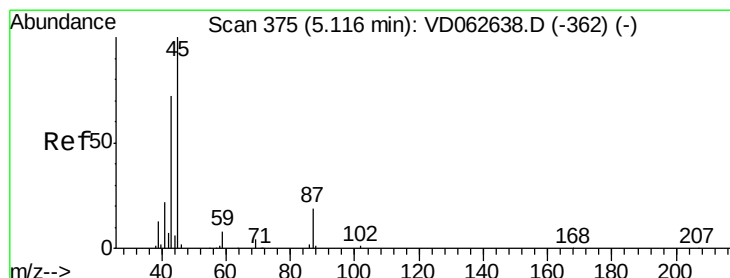
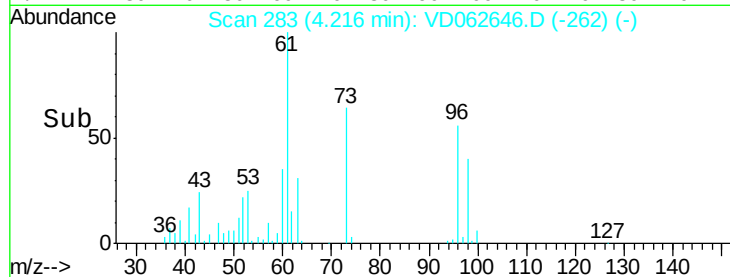
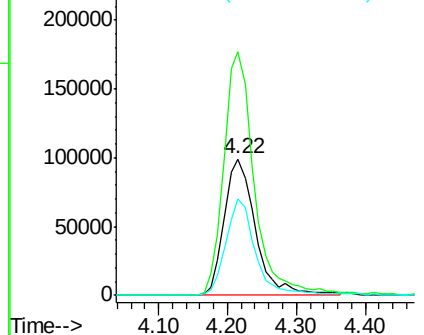
6/14/2019 12:38:40 AM



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: 47.490 ug/l

RT: 5.12 min Scan# 375

Delta R.T. 0.01 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Tgt Ion: 45 Resp: 964392

Ion Ratio Lower Upper

45 100

43 68.9 58.8 88.2

87 18.9 15.7 23.5

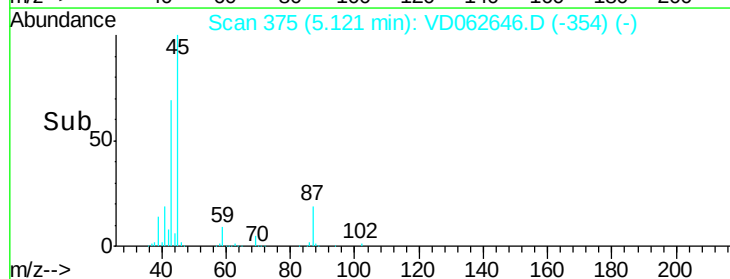
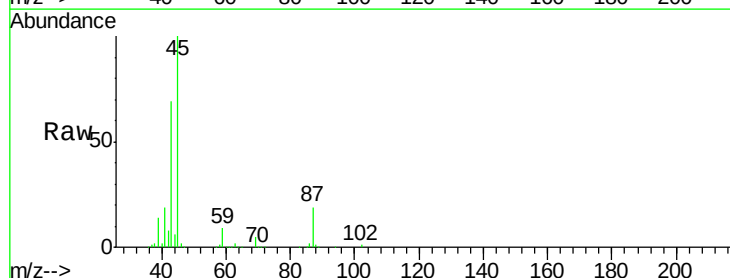
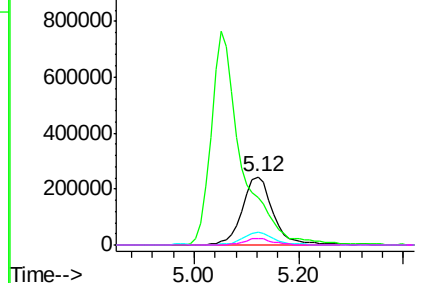
59 9.3 6.6 9.8

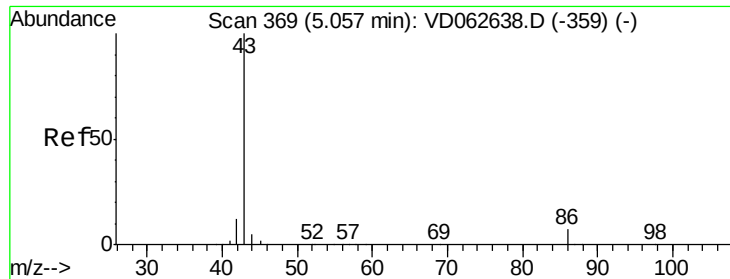
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 240.075 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 3024566

Ion Ratio Lower Upper

43 100

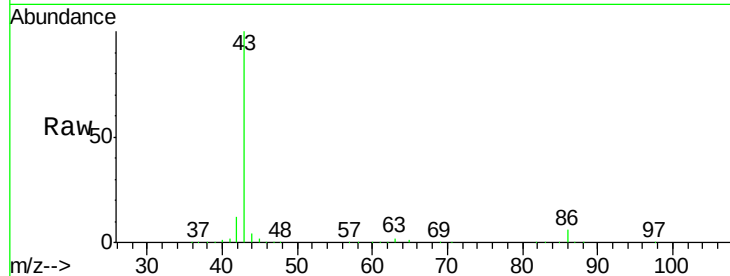
86 5.6 5.3 7.9

Manual Integrations

APPROVED

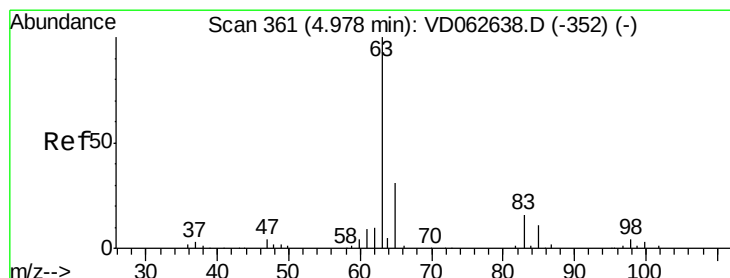
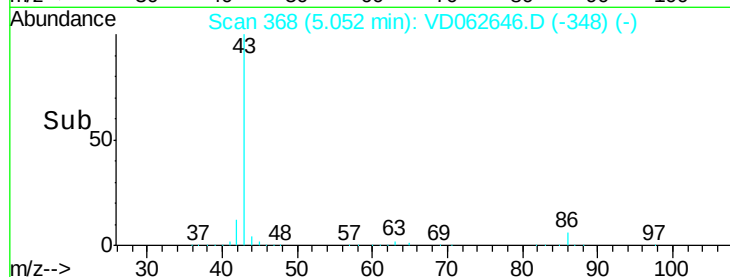
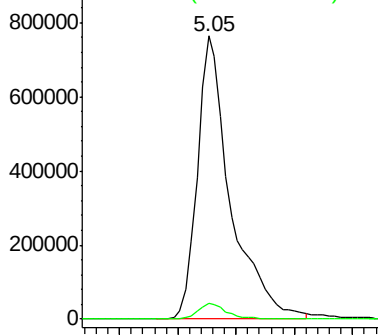
MMDadoda

6/14/2019 12:38:40 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 46.259 ug/l

RT: 4.98 min Scan# 361

Delta R.T. 0.01 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

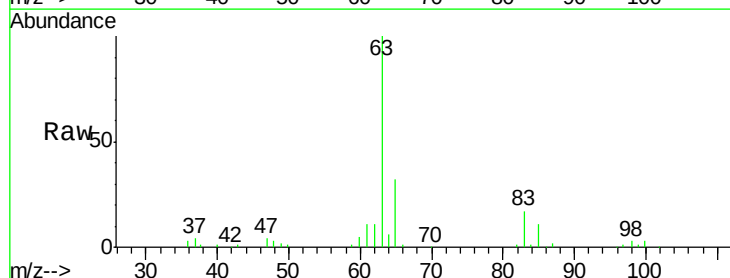
Tgt Ion: 63 Resp: 604338

Ion Ratio Lower Upper

63 100

98 3.4 1.8 5.4

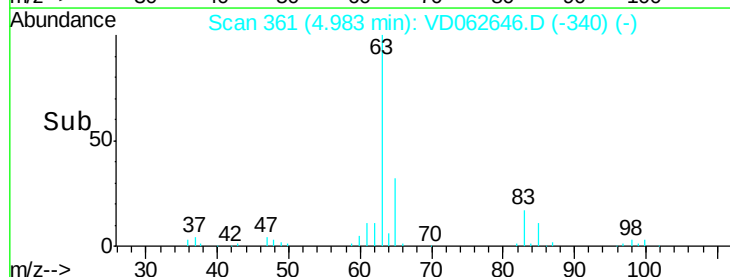
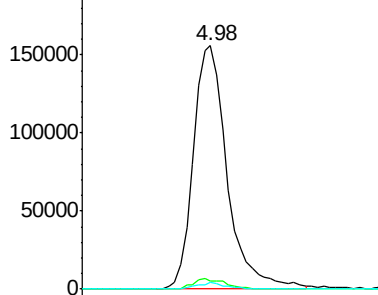
100 2.9 1.5 4.4

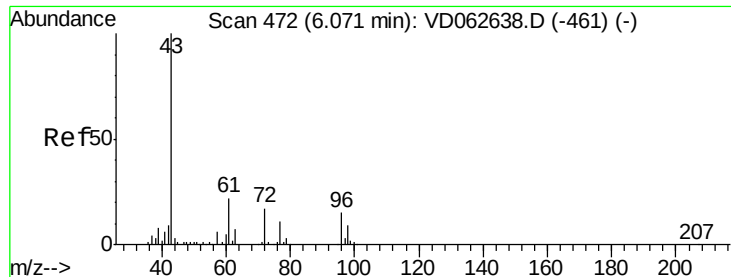


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 227.311 ug/l

RT: 6.07 min Scan# 471

Delta R.T. -0.00 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 421692

Ion Ratio Lower Upper

43 100

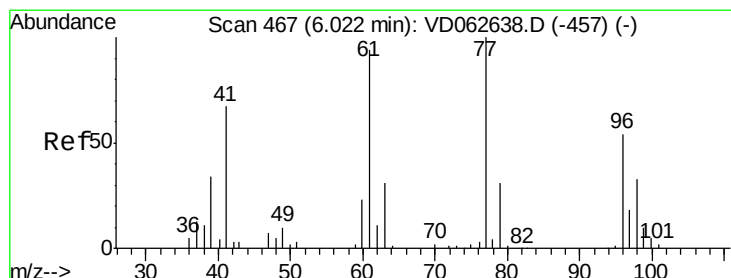
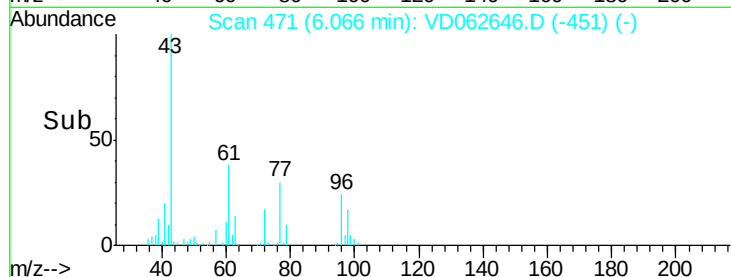
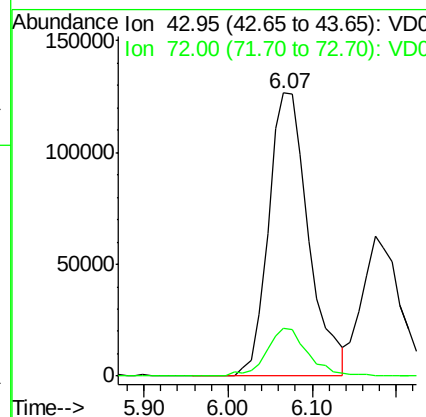
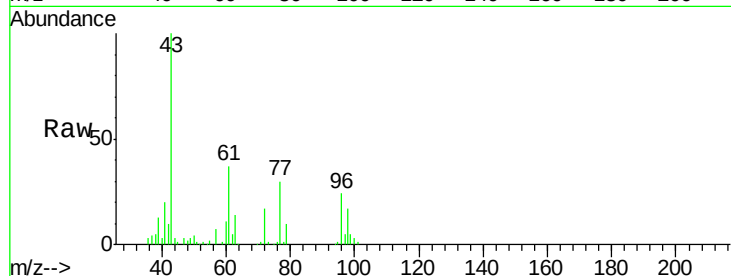
72 16.8 13.5 20.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 48.709 ug/l

RT: 6.03 min Scan# 467

Delta R.T. 0.01 min

Lab File: VD062646.D

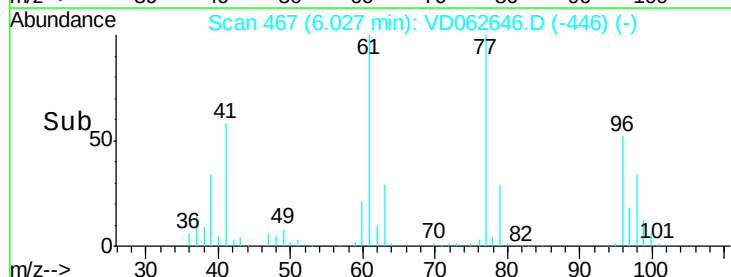
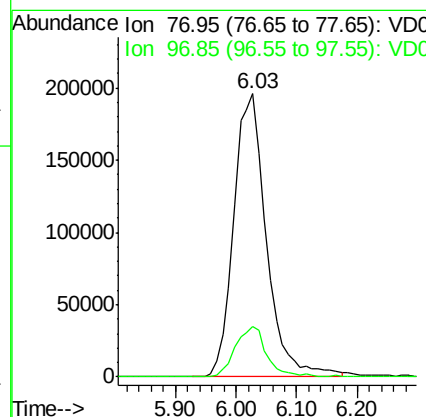
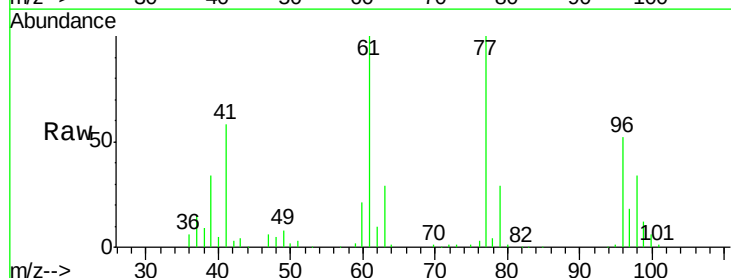
Acq: 10 Jun 2019 11:30

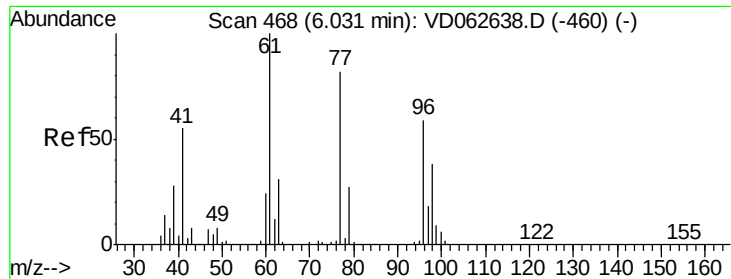
Tgt Ion: 77 Resp: 733392

Ion Ratio Lower Upper

77 100

97 17.6 8.8 26.5





#27

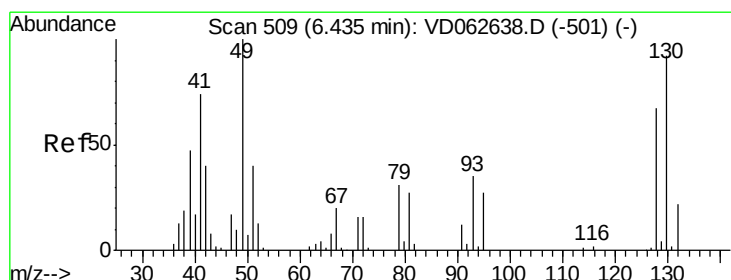
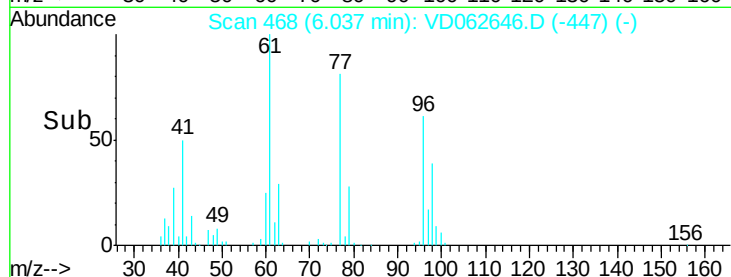
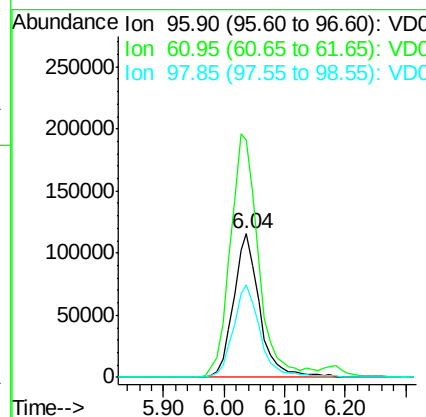
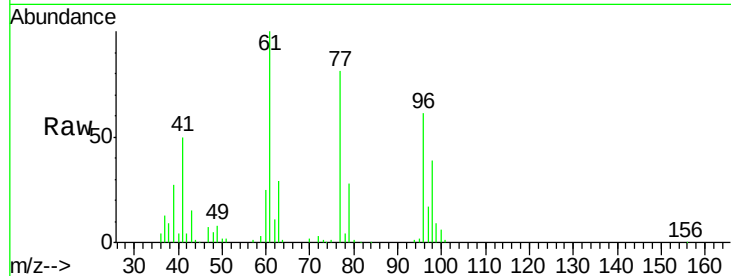
cis-1,2-Dichloroethene
Concen: 45.601 ug/l
RT: 6.04 min Scan# 468
Delta R.T. 0.01 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	344916		
61	165.2	0.0	340.0	
98	64.3	0.0	127.6	

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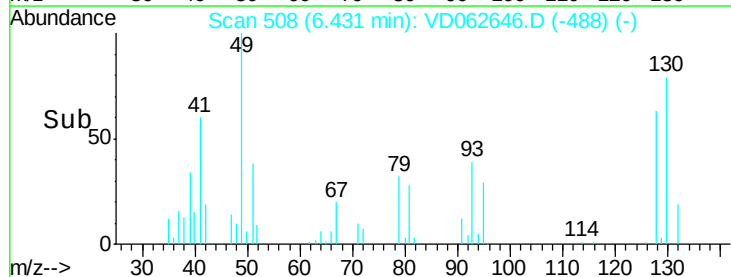
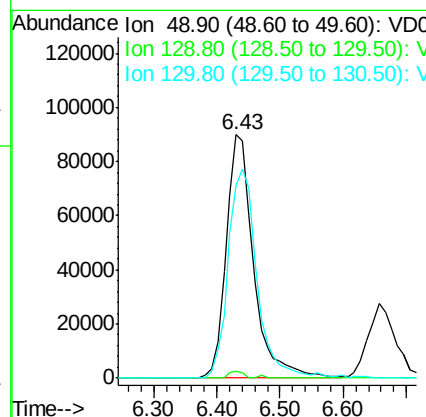
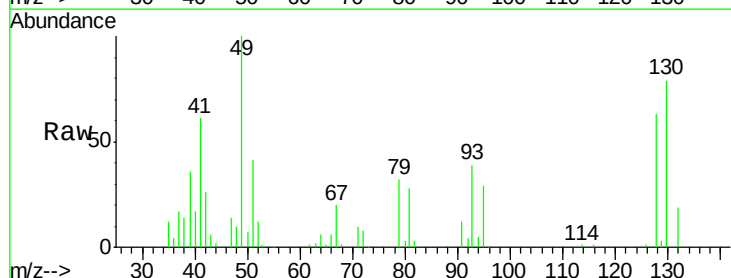
MMDadoda
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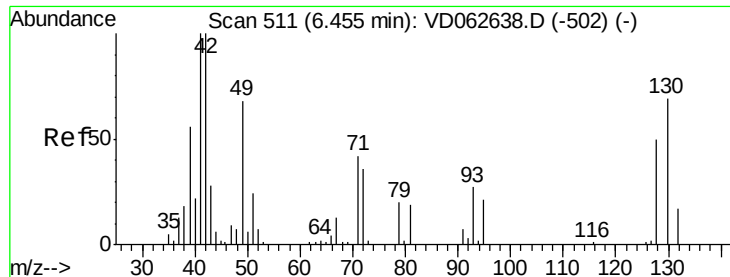


#28

Bromochloromethane
Concen: 54.332 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.00 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	271330		
129	2.9	0.0	8.2	
130	79.1	73.4	110.0	





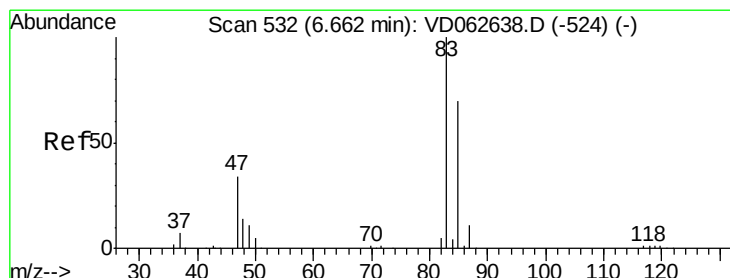
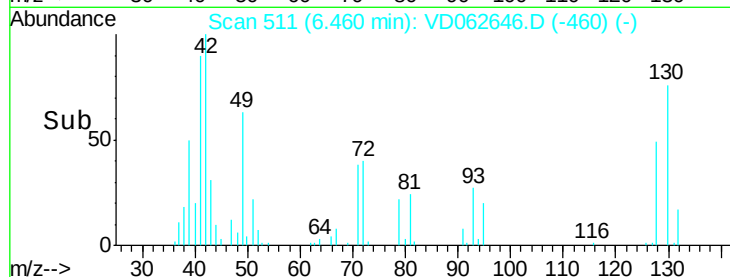
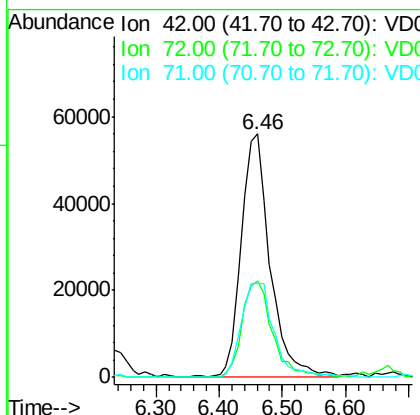
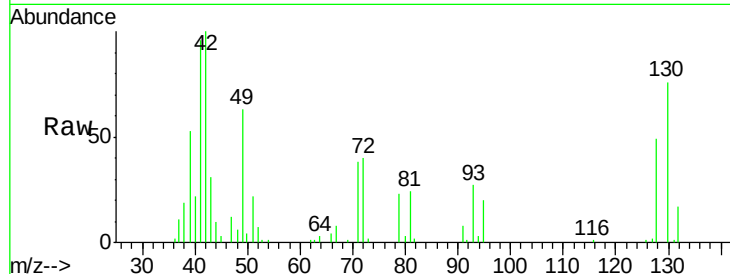
#29
Tetrahydrofuran
Concen: 213.324 ug/l
RT: 6.46 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	33.8	50.6
71	44.2	34.2	51.4

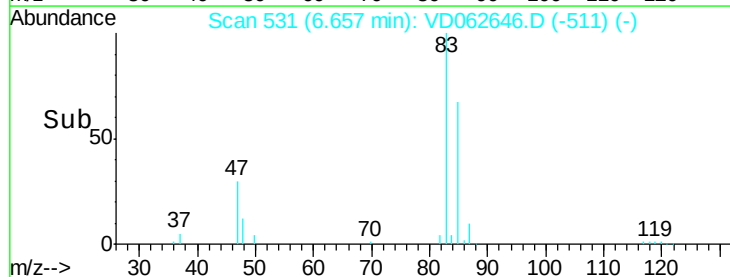
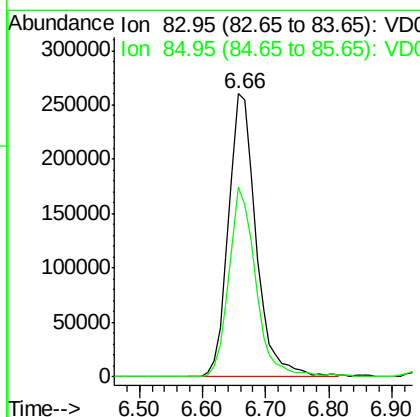
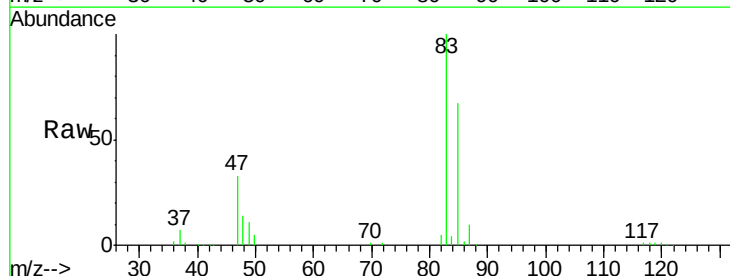
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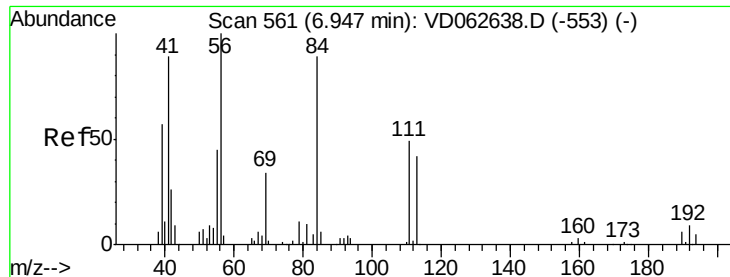
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#30
Chloroform
Concen: 47.041 ug/l
RT: 6.66 min Scan# 531
Delta R.T. -0.00 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.9	55.8	83.6





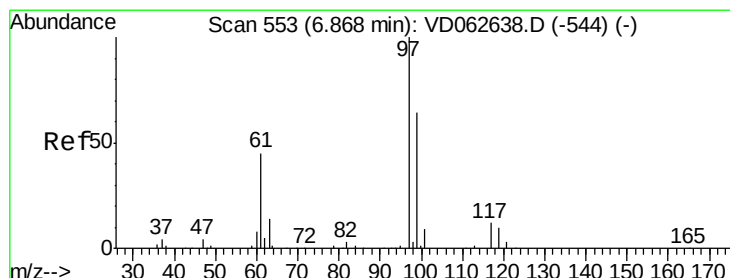
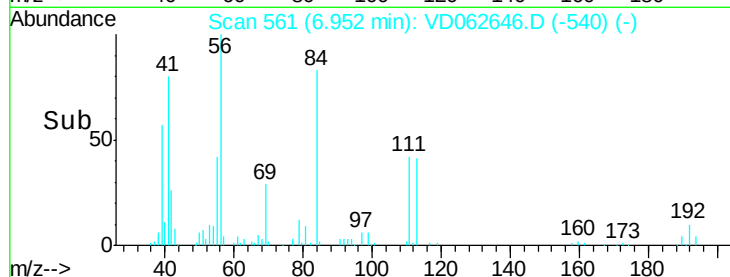
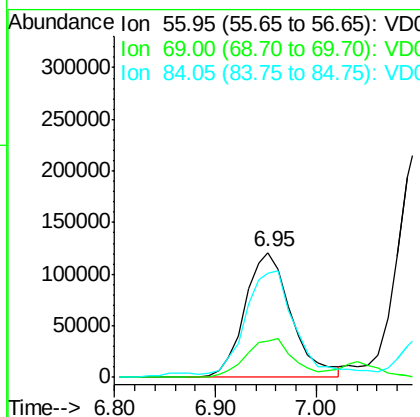
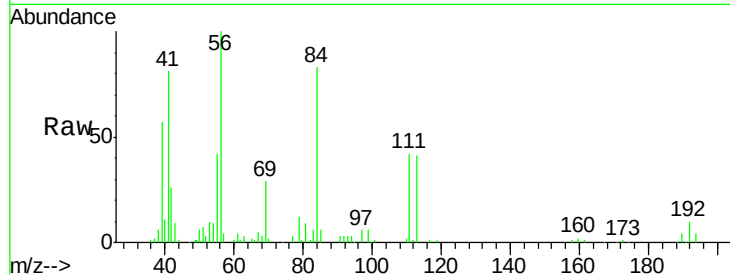
#31
Cyclohexane
Concen: 47.221 ug/l
RT: 6.95 min Scan# 561
Delta R.T. 0.01 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.7	26.8	40.2
84	83.2	73.9	110.9

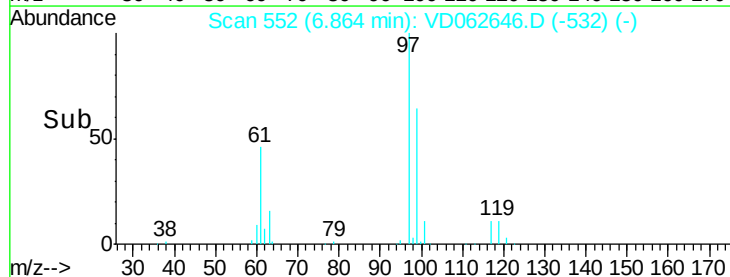
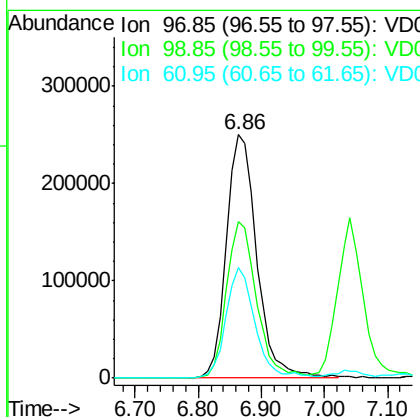
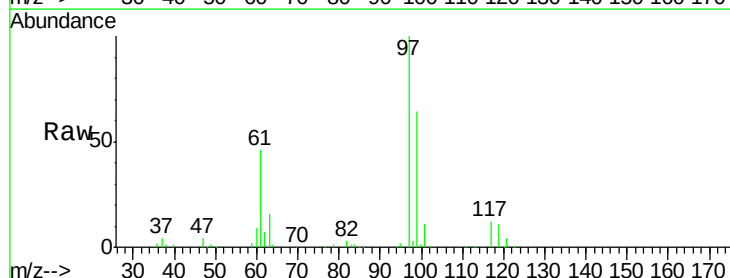
Manual Integrations
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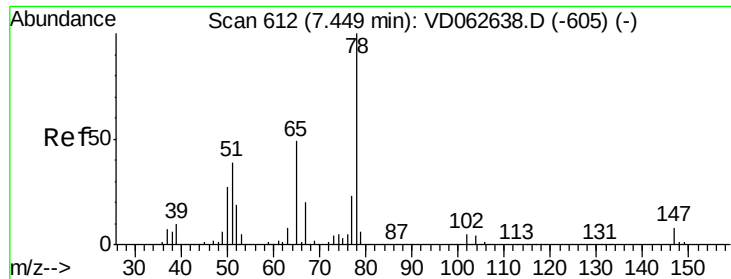
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#32
1,1,1-Trichloroethane
Concen: 50.061 ug/l
RT: 6.86 min Scan# 552
Delta R.T. -0.00 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.4	77.0
61	45.6	35.6	53.4





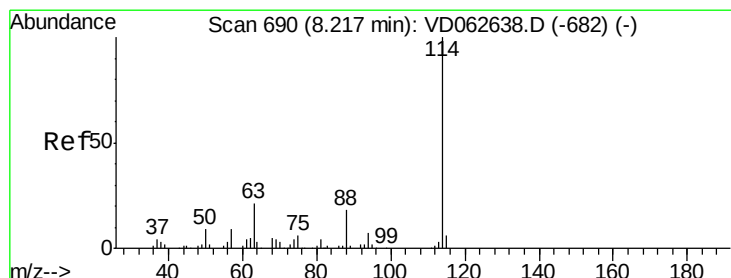
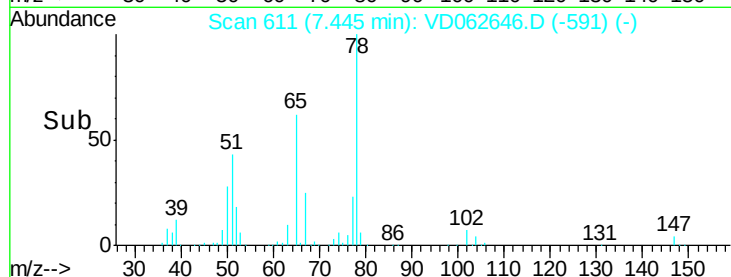
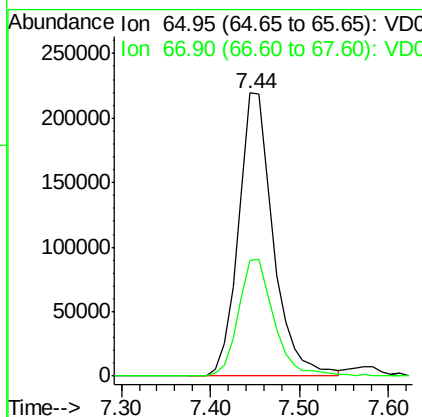
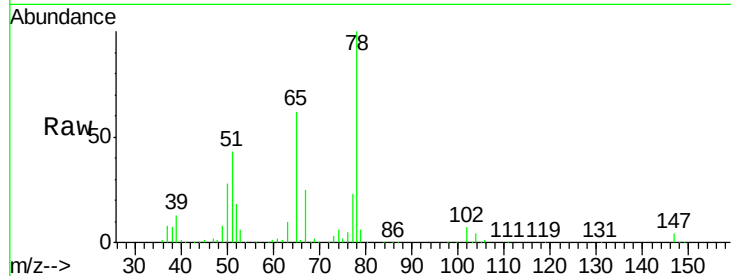
#33
 1,2-Dichloroethane-d4
 Concen: 57.116 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VD062646.D
 Acq: 10 Jun 2019 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	593117		
67	40.9	0.0	81.8	

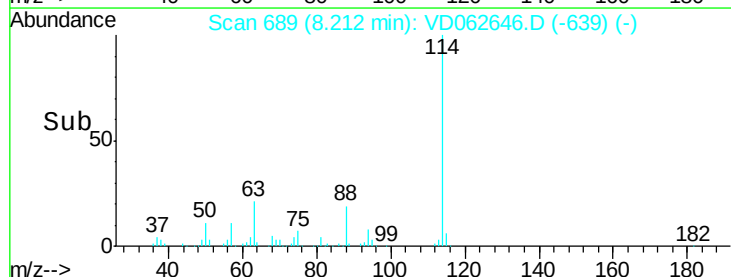
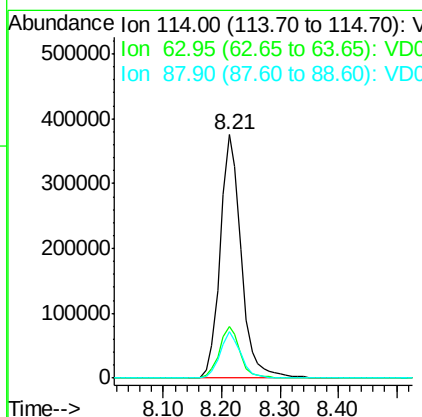
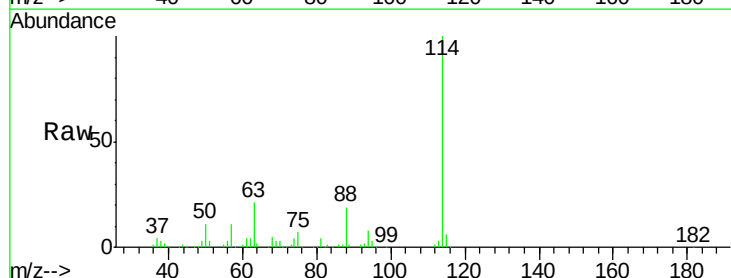
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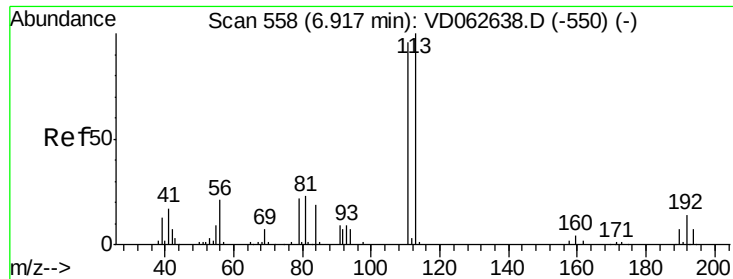
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.00 min
 Lab File: VD062646.D
 Acq: 10 Jun 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	936863		
63	21.4	0.0	42.4	
88	19.1	0.0	36.8	





#35

Dibromofluoromethane

Concen: 56.258 ug/l

RT: 6.92 min Scan# 558

Delta R.T. 0.01 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Instrument :

MSVOA_D

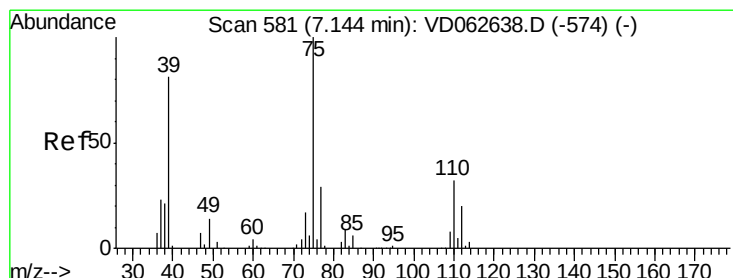
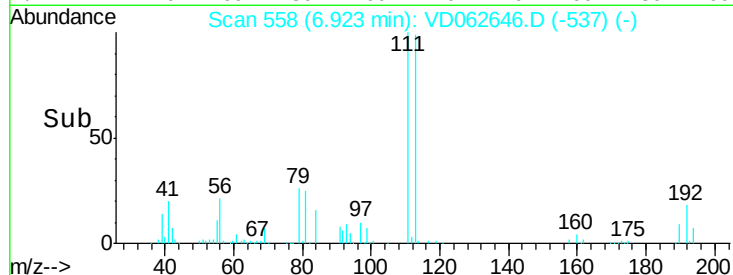
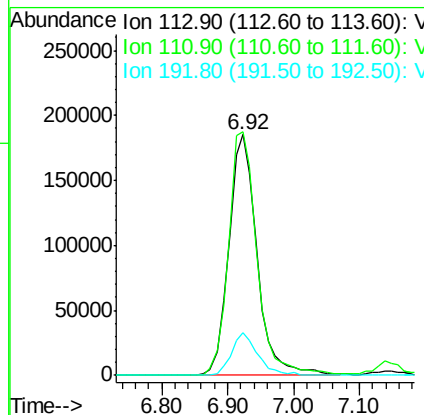
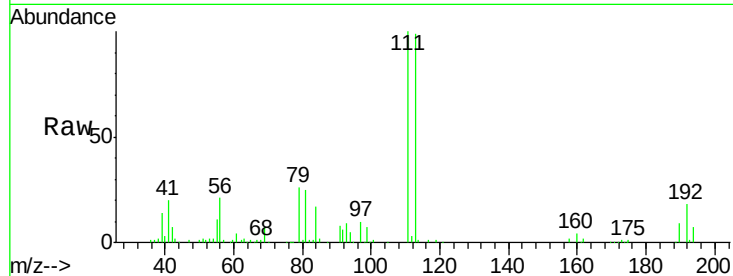
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	555853		
111	101.1	76.4	114.6	
192	17.7	11.4	17.0	

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#36

1,1-Dichloropropene

Concen: 50.890 ug/l

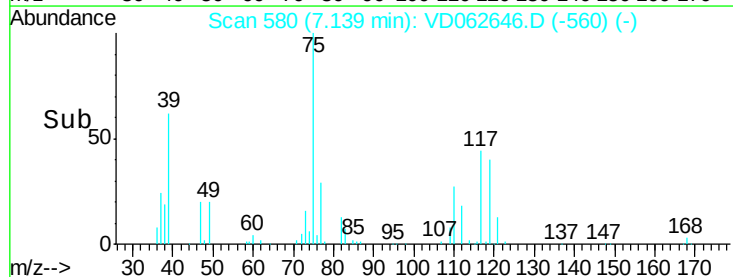
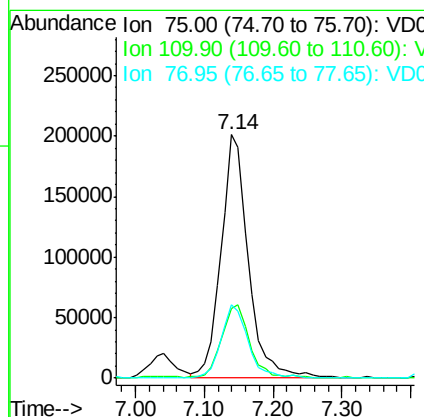
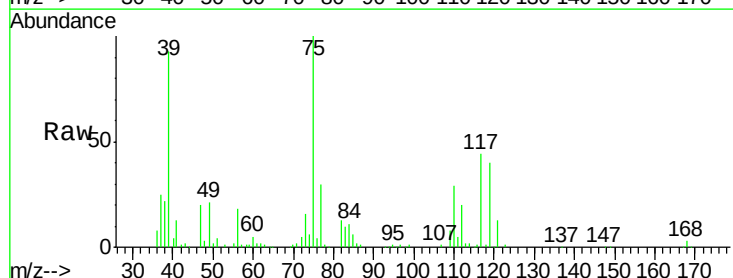
RT: 7.14 min Scan# 580

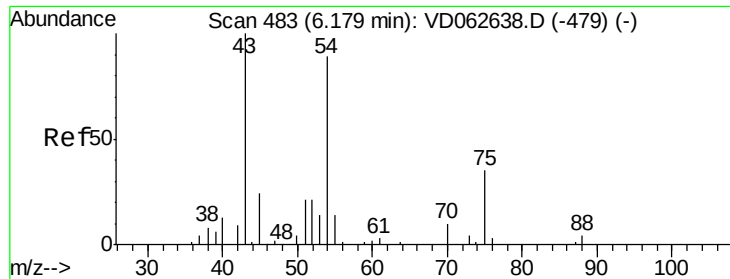
Delta R.T. -0.00 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	545658		
110	28.6	15.9	47.7	
77	30.0	23.3	34.9	





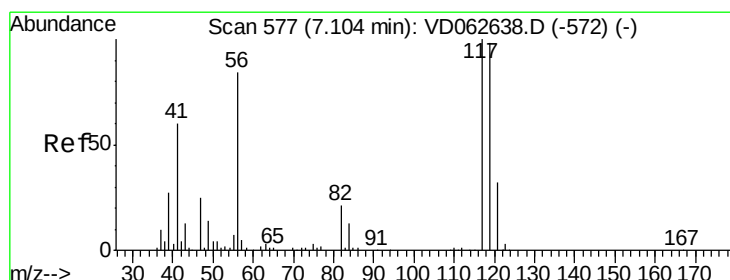
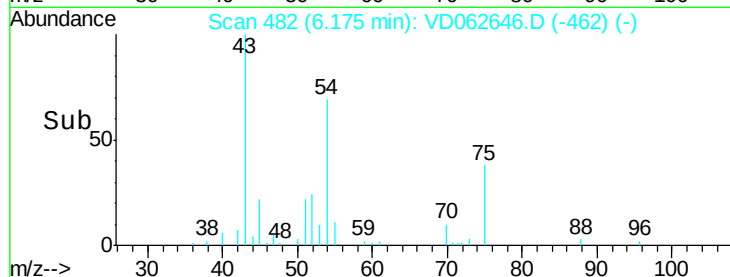
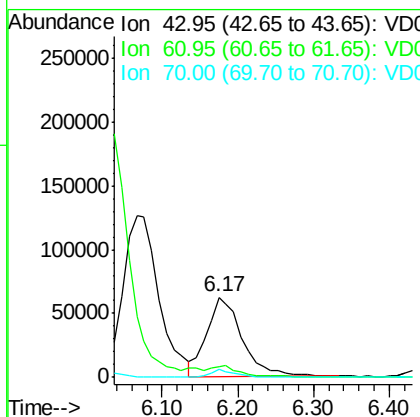
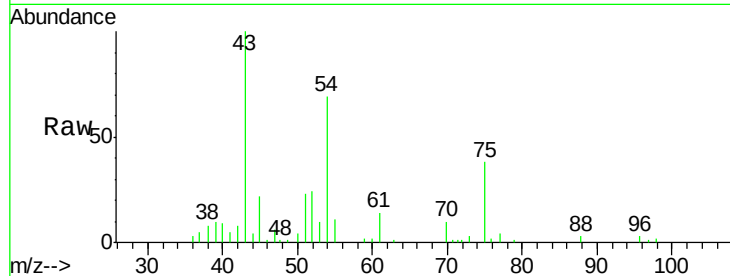
#37
Ethyl Acetate
Concen: 43.933 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.00 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.1	8.7	13.1#
70	10.6	6.5	9.7#

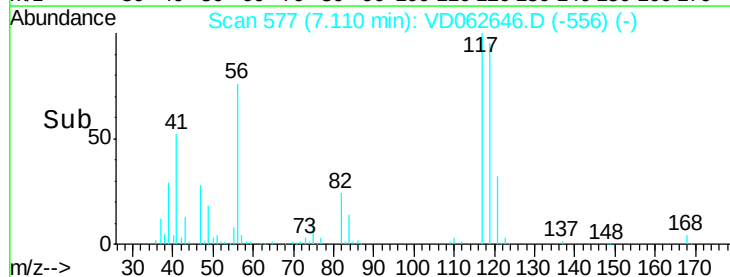
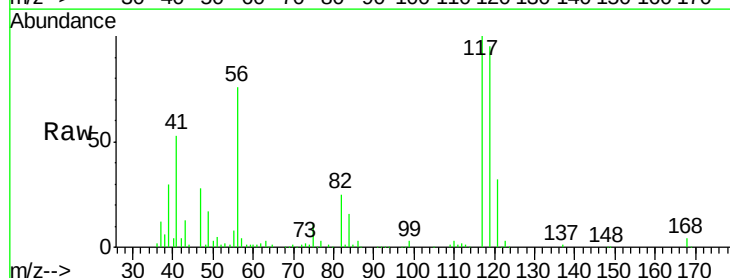
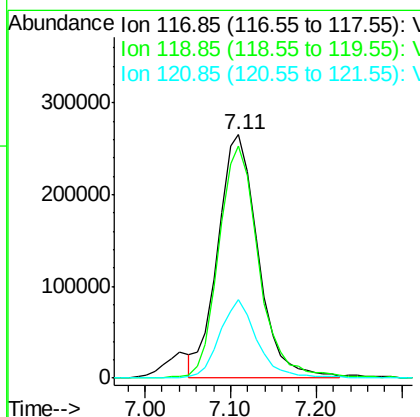
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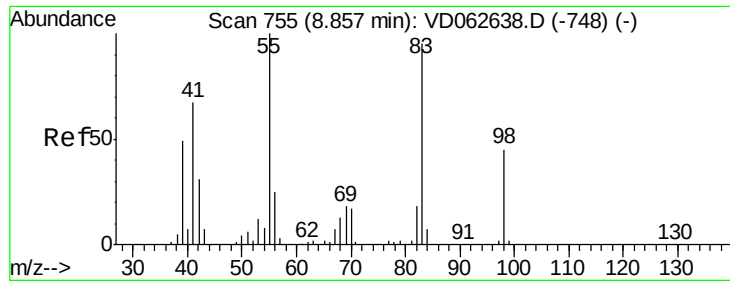
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#38
Carbon Tetrachloride
Concen: 51.420 ug/l m
RT: 7.11 min Scan# 577
Delta R.T. 0.01 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	73.5	110.3
121	32.1	24.2	36.4





#39

Methylvlcyclohexane

Concen: 52.215 ug/l

RT: 8.86 min Scan# 755

Delta R.T. 0.01 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Instrument :

MSVOA_D

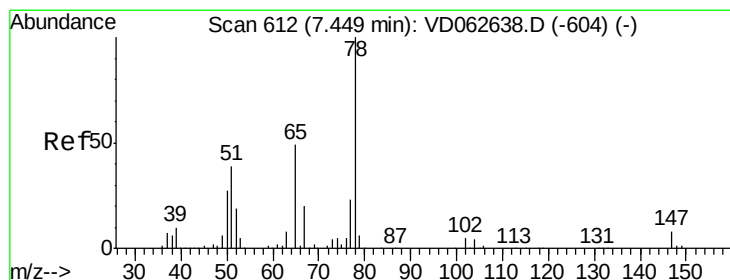
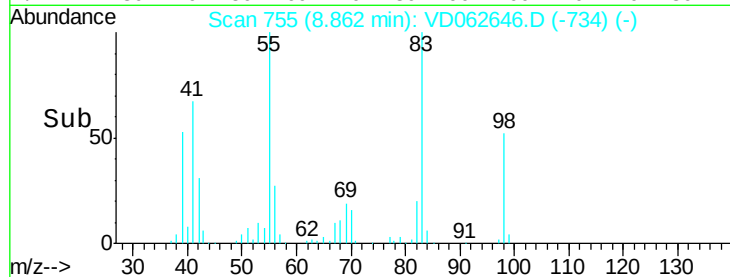
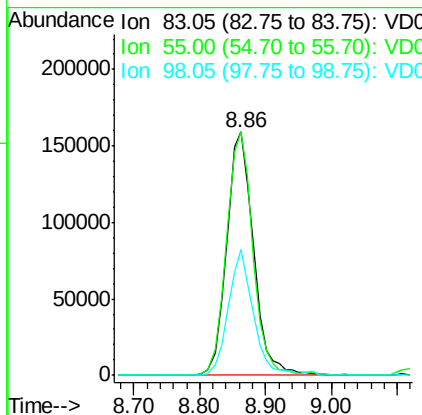
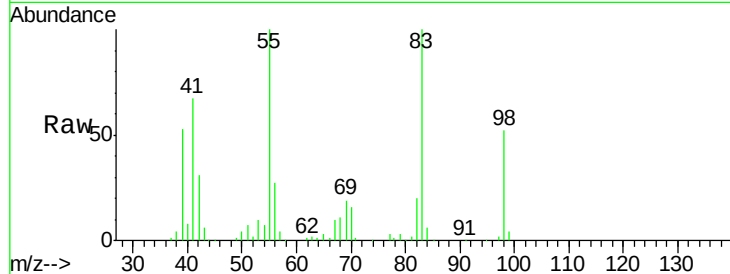
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	452425
Ion	Ratio	Lower	Upper
83	100		
55	100.2	84.6	127.0
98	51.7	38.2	57.4

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#40

Benzene

Concen: 49.090 ug/l

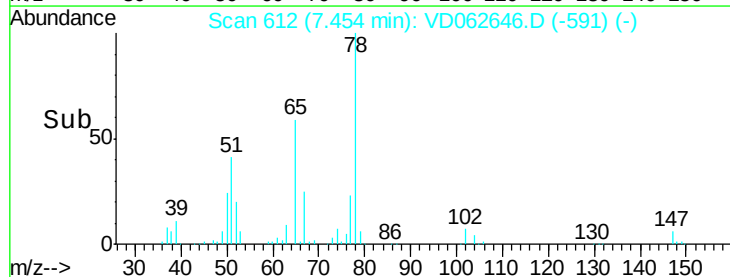
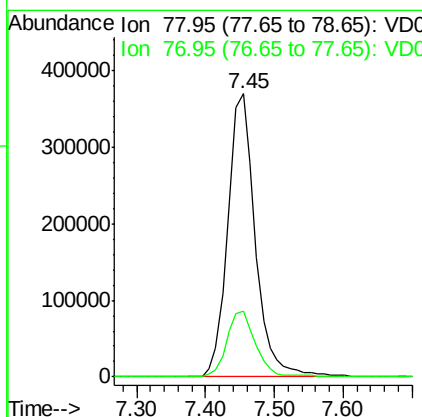
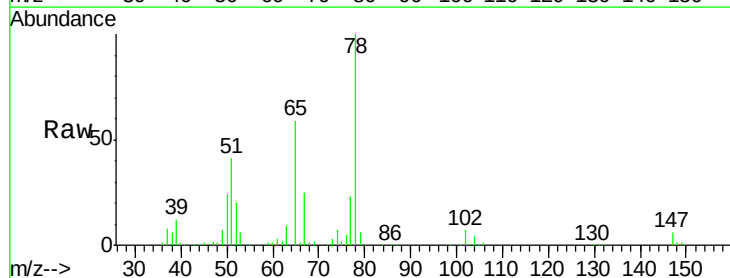
RT: 7.45 min Scan# 612

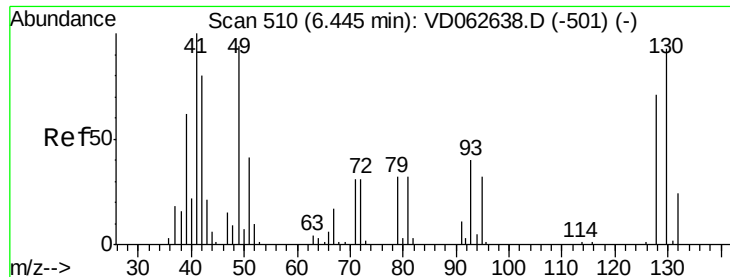
Delta R.T. 0.01 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Tgt Ion:	78	Resp:	1027926
Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.6	28.0





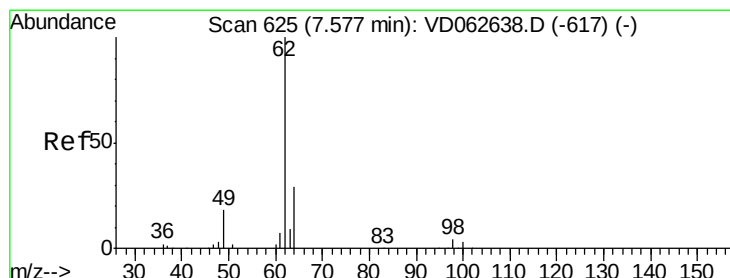
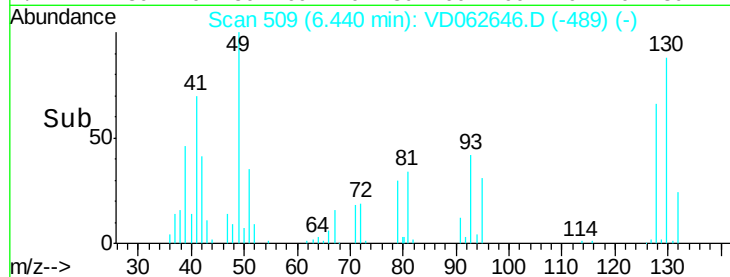
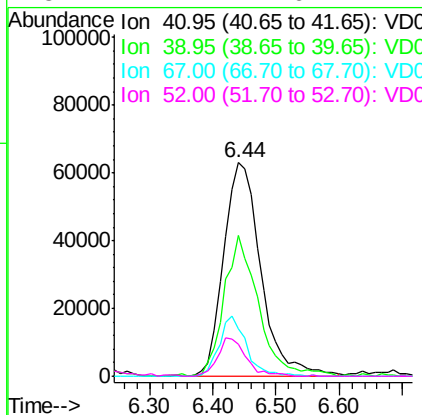
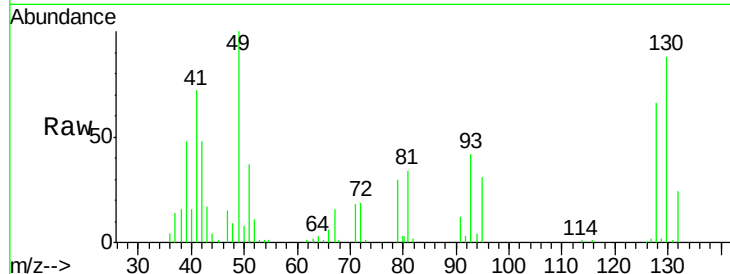
#41
Methacrylonitrile
Concen: 46.017 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.00 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp Lower	Upper
41	100		
39	66.1	49.2	73.8
67	22.0	13.9	20.9
52	14.7	7.6	11.4

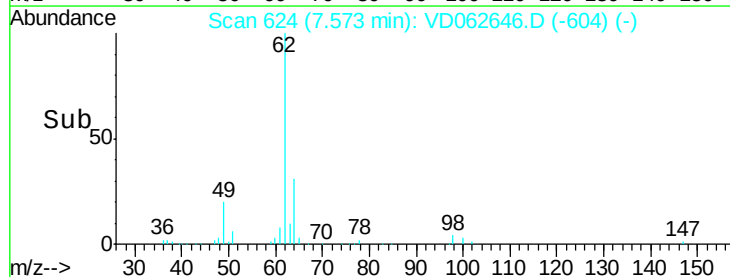
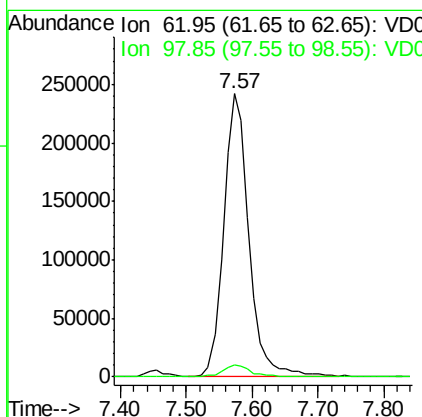
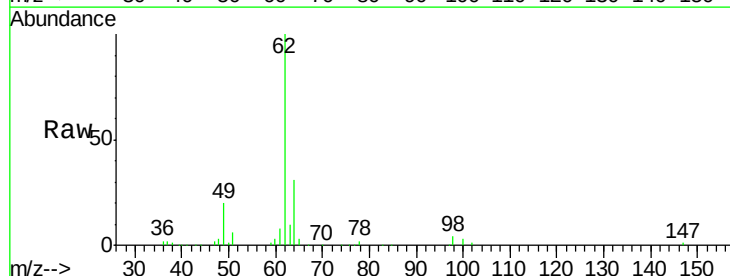
Manual Integrations
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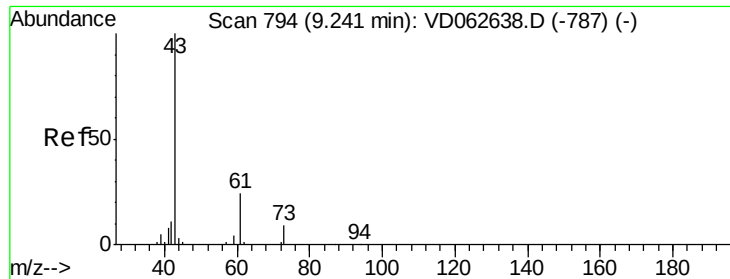
MMDadoda
6/14/2019 12:38:40 AM



#42
1,2-Dichloroethane
Concen: 51.703 ug/l
RT: 7.57 min Scan# 624
Delta R.T. -0.00 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

Tgt Ion	Ratio	Resp Lower	Upper
62	100		
98	4.2	0.0	7.4





#43

Isopropyl Acetate

Concen: 50.361 ug/l

RT: 9.24 min Scan# 793

Delta R.T. -0.00 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Instrument :

MSVOA_D

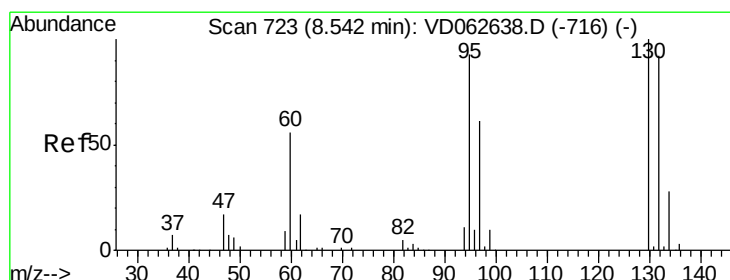
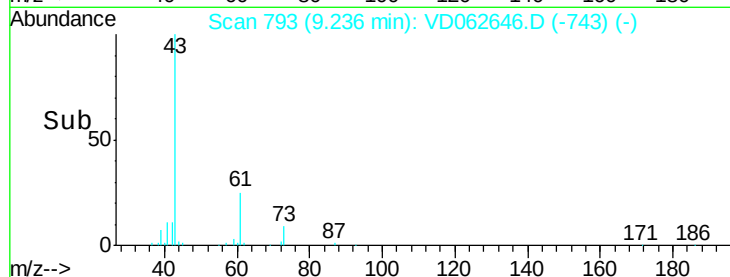
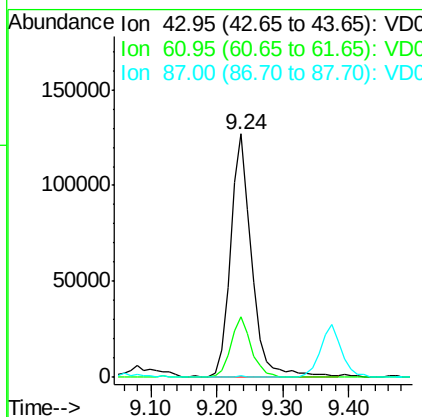
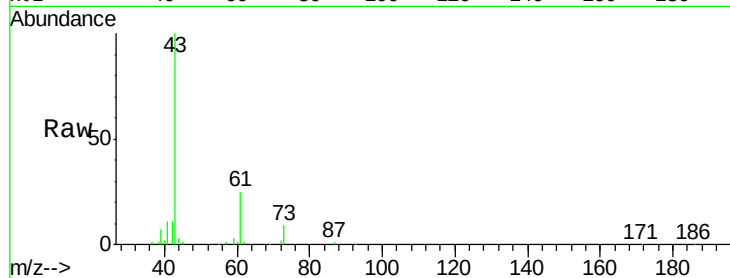
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	284921
Ion Ratio	Lower	Upper	
43	100		
61	24.9	19.0	28.6
87	0.5	0.3	0.5#

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#44

Trichloroethene

Concen: 50.180 ug/l

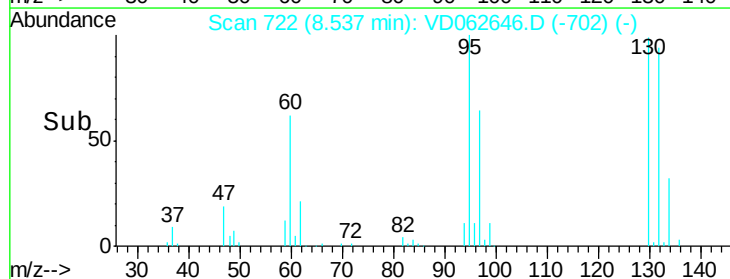
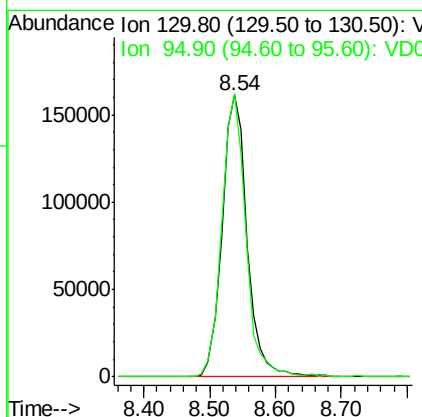
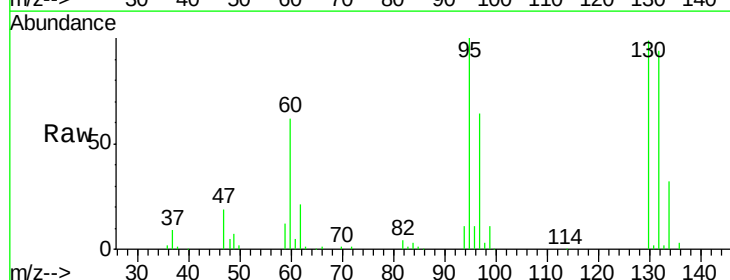
RT: 8.54 min Scan# 722

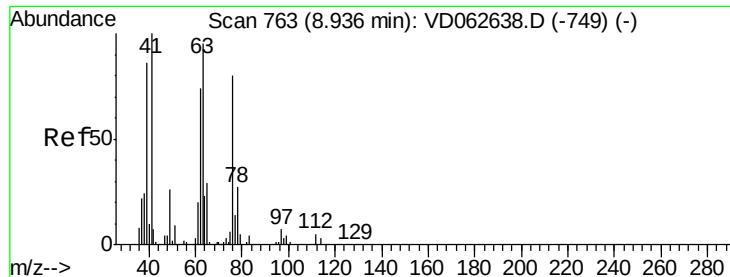
Delta R.T. -0.00 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Tgt Ion:	130	Resp:	426582
Ion Ratio	Lower	Upper	
130	100		
95	100.5	0.0	185.6





#45

1,2-Dichloropropane

Concen: 48.344 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.00 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 243156

Ion Ratio Lower Upper

63 100

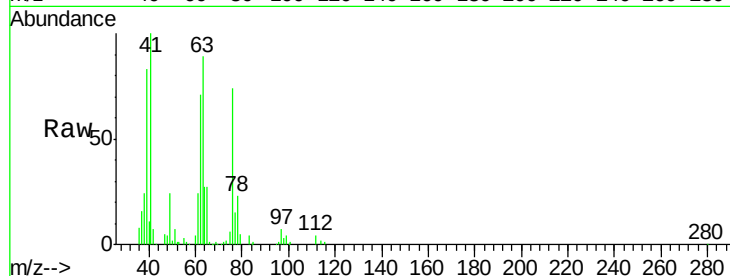
65 29.7 24.6 37.0

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.93

100000

80000

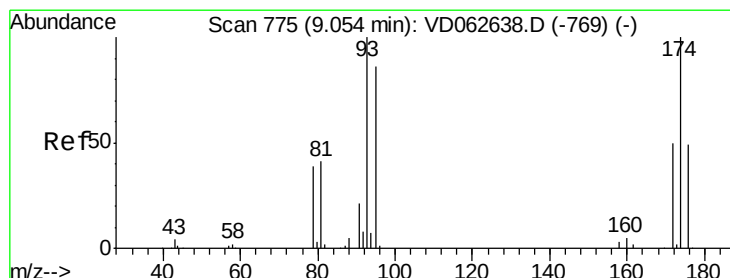
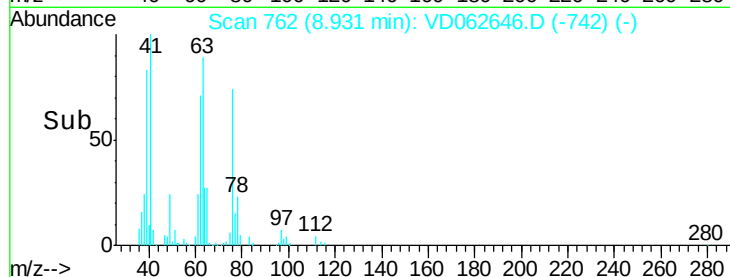
60000

40000

20000

0

Time--> 8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 49.101 ug/l

RT: 9.06 min Scan# 775

Delta R.T. 0.01 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

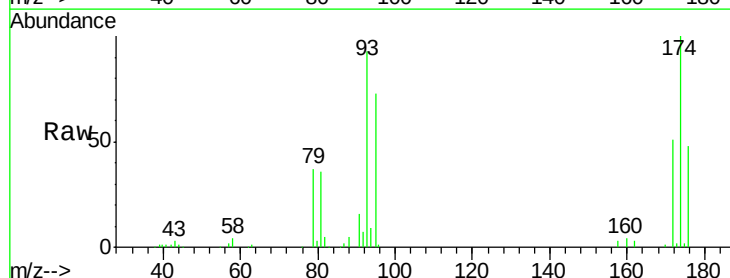
Tgt Ion: 93 Resp: 219214

Ion Ratio Lower Upper

93 100

95 78.3 68.7 103.1

174 107.6 79.8 119.8



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

9.06

120000

100000

80000

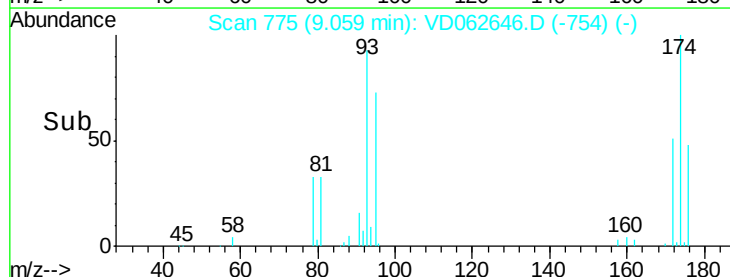
60000

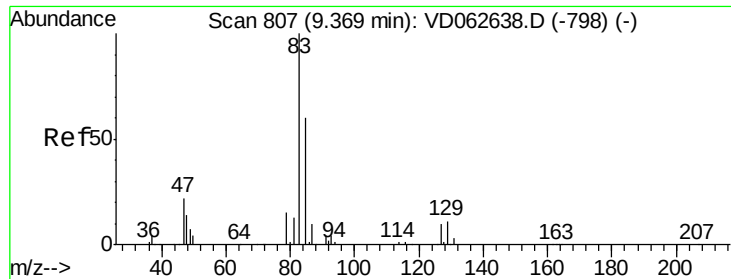
40000

20000

0

Time--> 9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 51.865 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.01 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Instrument :

MSVOA_D

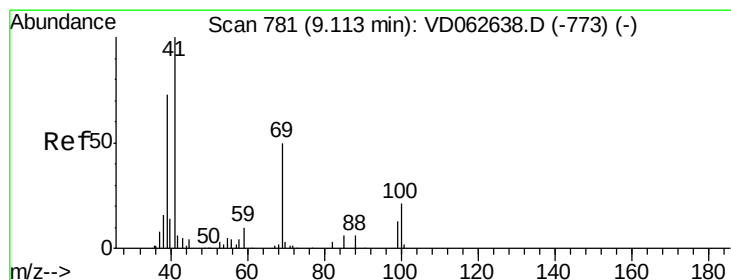
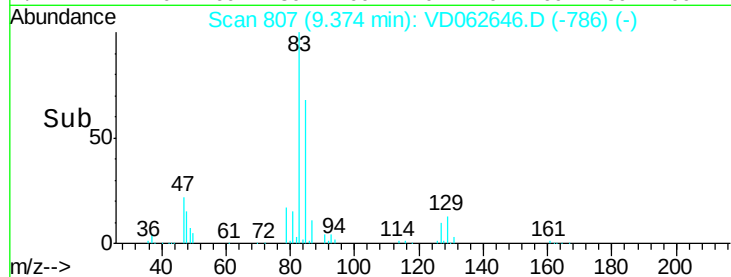
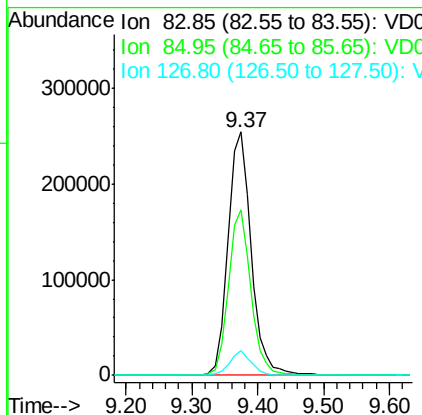
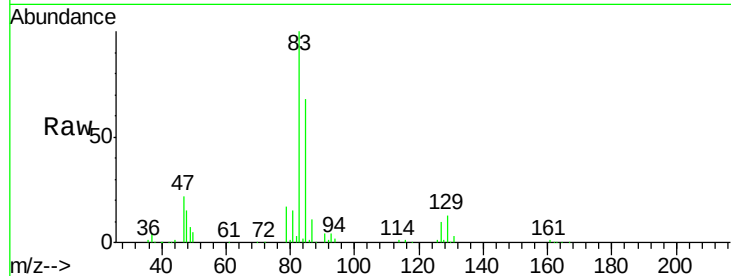
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	629901
Ion	Ratio	Lower	Upper
83	100		
85	67.8	47.9	71.9
127	10.3	8.2	12.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 45.349 ug/l

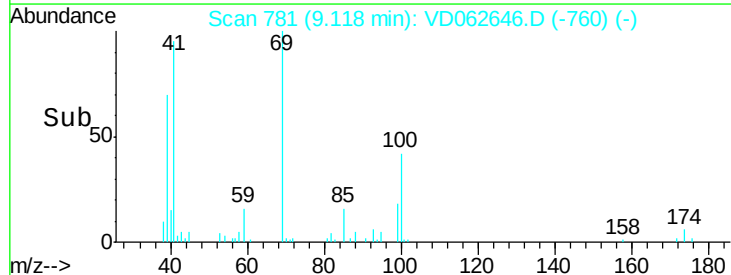
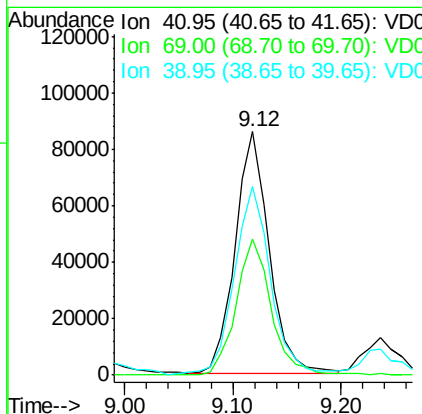
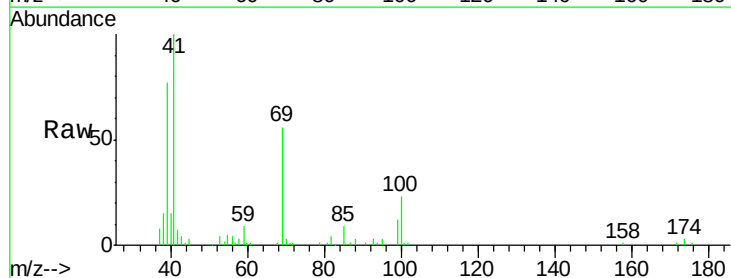
RT: 9.12 min Scan# 781

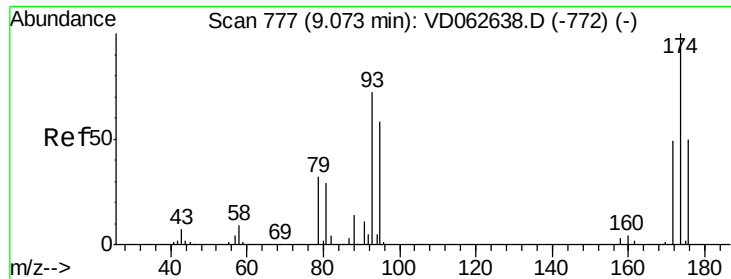
Delta R.T. 0.01 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Tgt Ion:	41	Resp:	185356
Ion	Ratio	Lower	Upper
41	100		
69	55.7	39.8	59.6
39	77.3	59.1	88.7





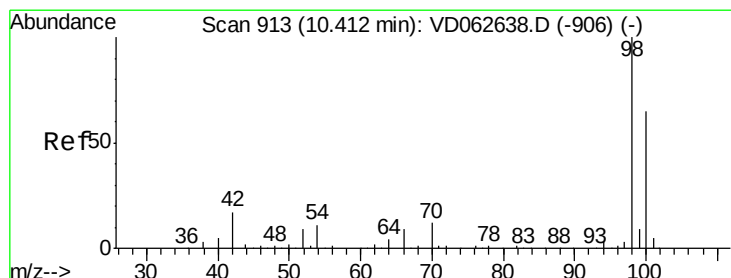
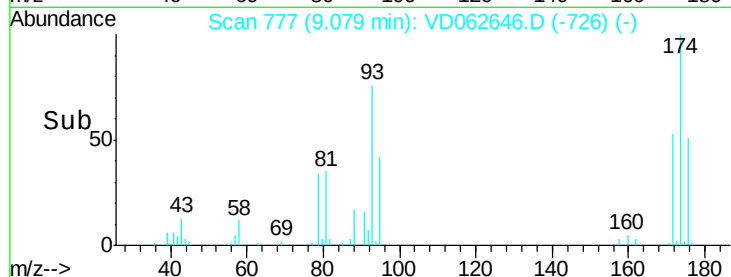
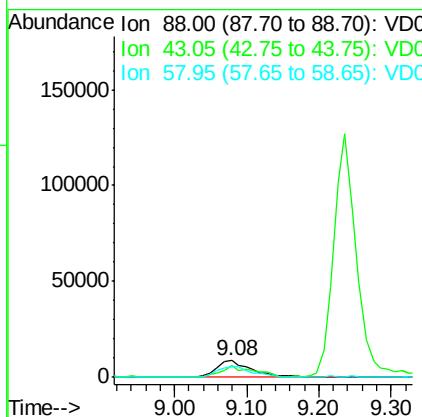
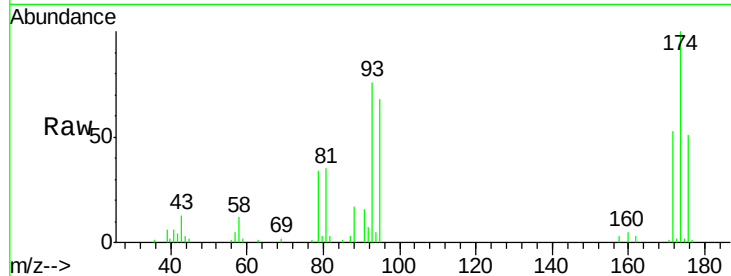
#49
1,4-Dioxane
Concen: 810.316 ug/l
RT: 9.08 min Scan# 777
Delta R.T. 0.01 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	74.1	40.7	61.1#
58	67.2	54.2	81.4

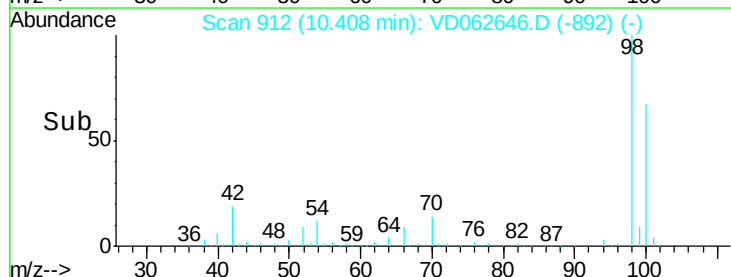
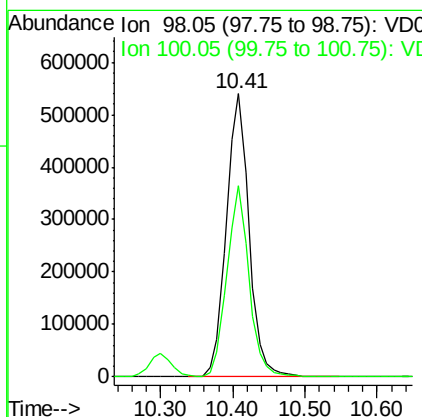
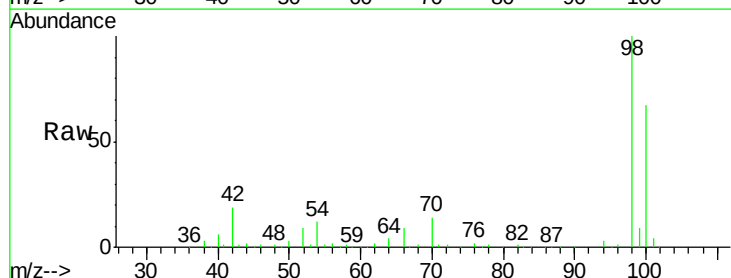
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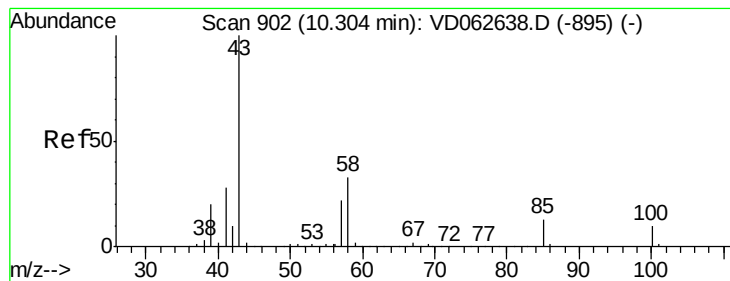
MMDadoda
6/14/2019 12:38:40 AM



#50
Toluene-d8
Concen: 56.999 ug/l
RT: 10.41 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.4	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 241.995 ug/l

RT: 10.30 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 957993

Ion Ratio Lower Upper

43 100

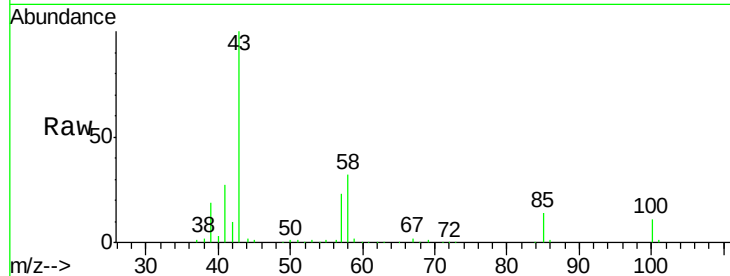
58 32.4 26.1 39.1

Manual Integrations

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

400000

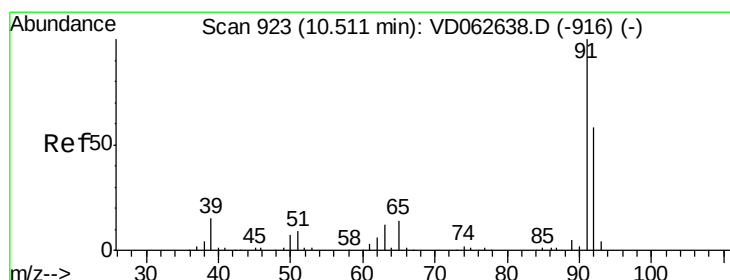
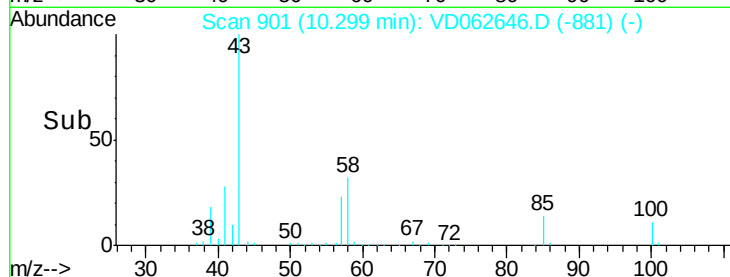
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.788 ug/l

RT: 10.51 min Scan# 922

Delta R.T. -0.00 min

Lab File: VD062646.D

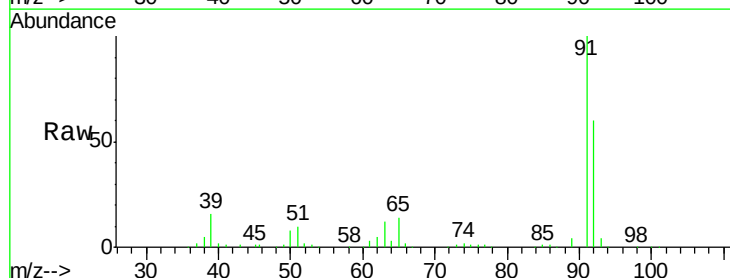
Acq: 10 Jun 2019 11:30

Tgt Ion: 92 Resp: 714855

Ion Ratio Lower Upper

92 100

91 166.2 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.51

600000

500000

400000

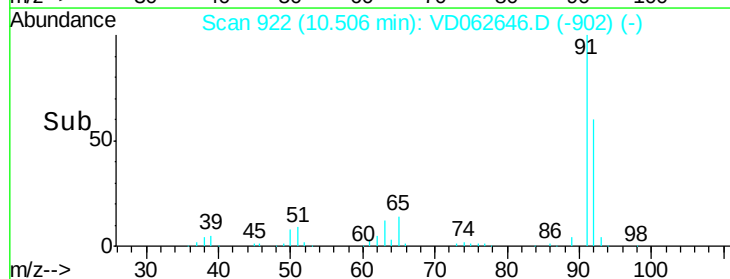
300000

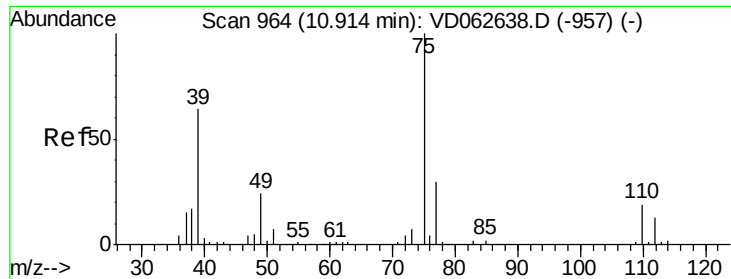
200000

100000

0

Time-->





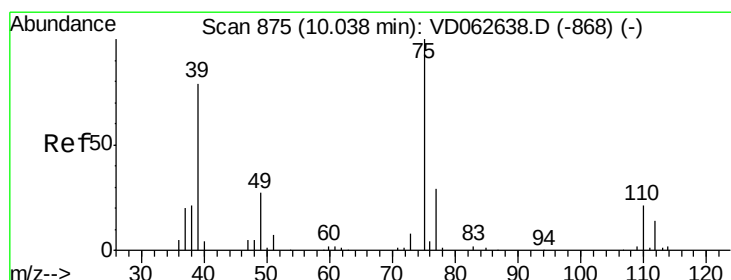
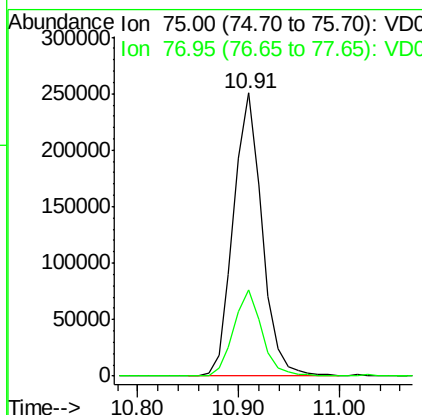
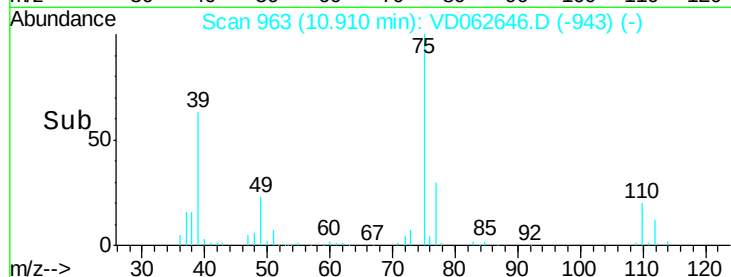
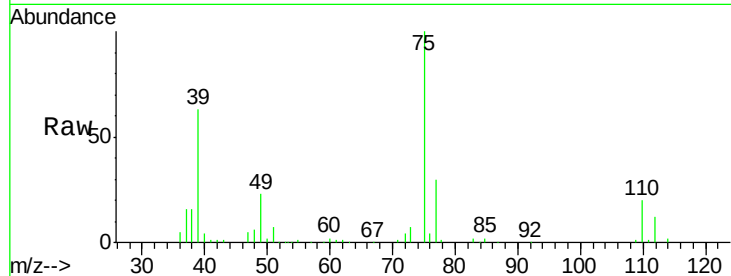
#53
 t-1,3-Dichloropropene
 Concen: 49.708 ug/l
 RT: 10.91 min Scan# 963
 Delta R.T. -0.00 min
 Lab File: VD062646.D
 Acq: 10 Jun 2019 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 494970
 Ion Ratio Lower Upper
 75 100
 77 30.3 24.1 36.1

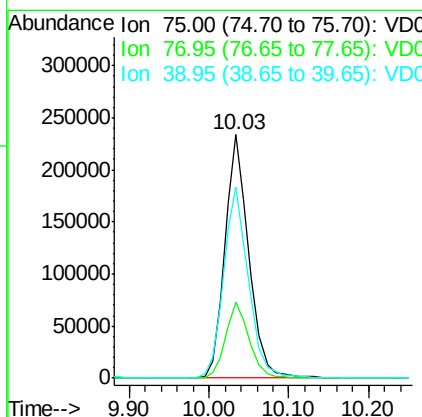
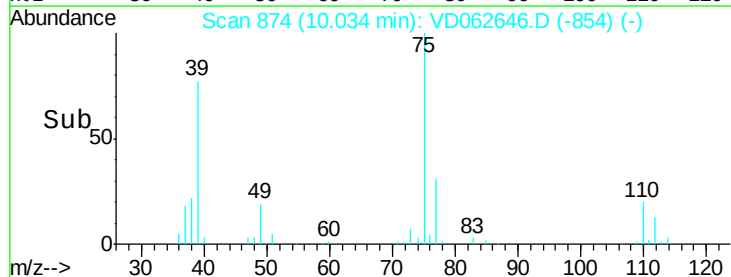
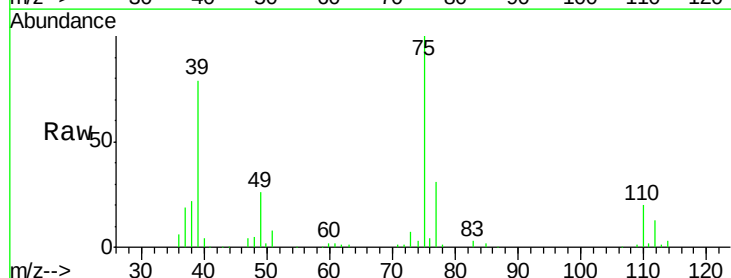
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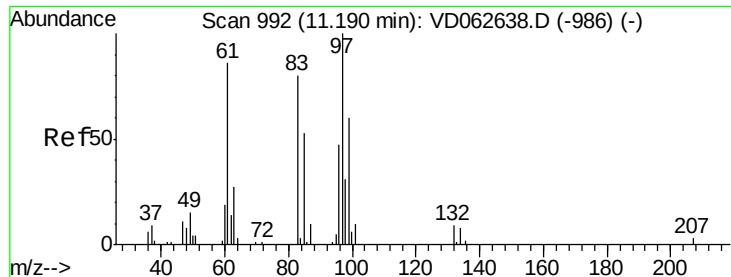
MMDadoda
 6/14/2019 12:38:40 AM



#54
 cis-1,3-Dichloropropene
 Concen: 48.033 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. -0.00 min
 Lab File: VD062646.D
 Acq: 10 Jun 2019 11:30

Tgt Ion: 75 Resp: 494326
 Ion Ratio Lower Upper
 75 100
 77 31.4 23.1 34.7
 39 78.8 63.4 95.2





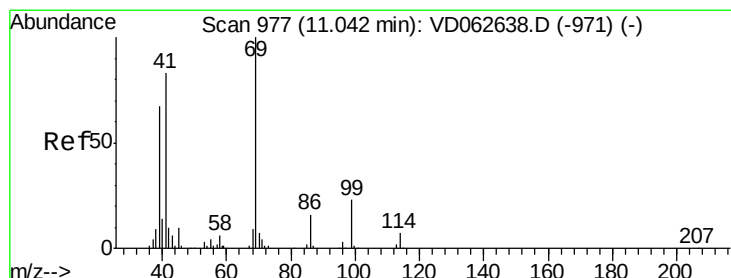
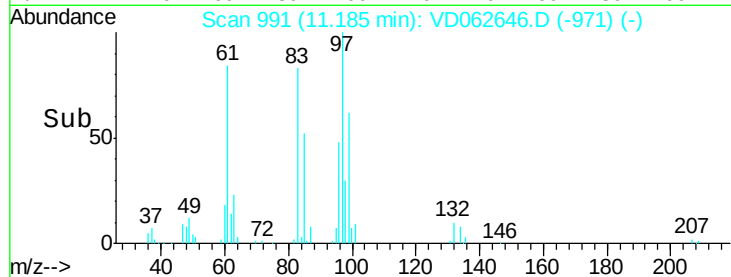
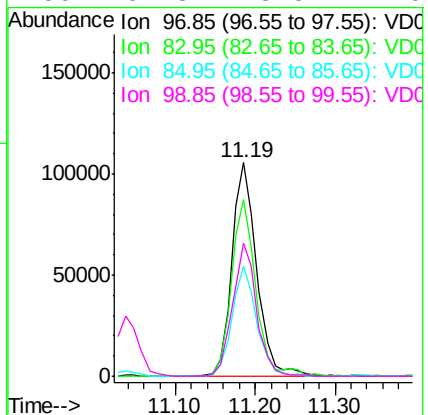
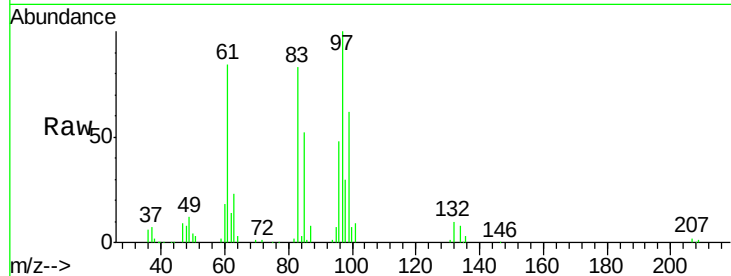
#55
1,1,2-Trichloroethane
Concen: 47.414 ug/l
RT: 11.19 min Scan# 991
Delta R.T. -0.00 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	228868		
83	82.6	63.8	95.8	
85	51.6	42.3	63.5	
99	62.3	48.0	72.0	

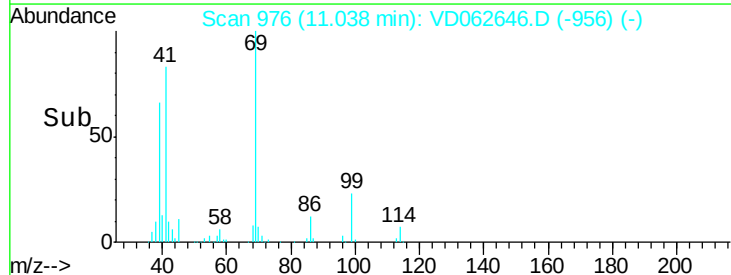
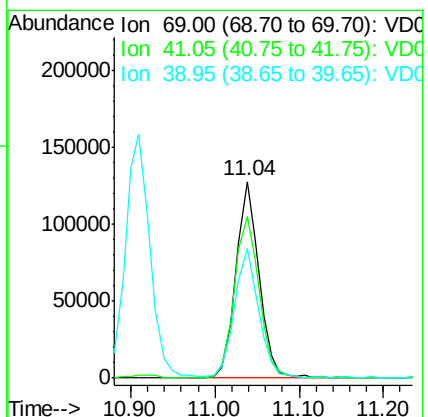
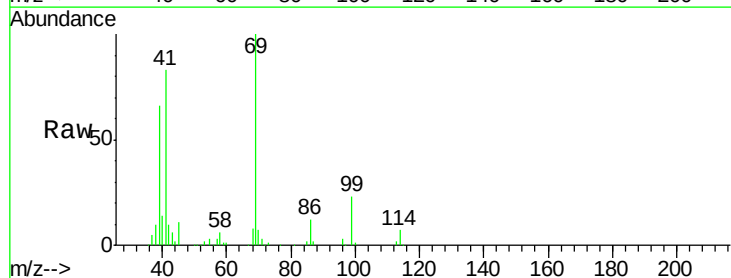
Manual Integrations
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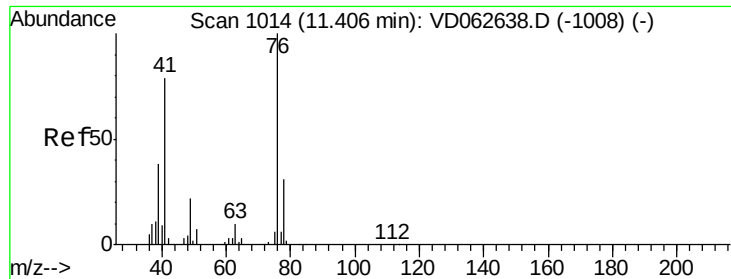
MMDadoda
6/14/2019 12:38:40 AM



#56
Ethyl methacrylate
Concen: 42.773 ug/l
RT: 11.04 min Scan# 976
Delta R.T. -0.00 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	245173		
41	82.7	66.2	99.4	
39	66.3	53.8	80.8	





#57

1,3-Dichloropropane

Concen: 48.926 ug/l

RT: 11.40 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 366044

Ion Ratio Lower Upper

76 100

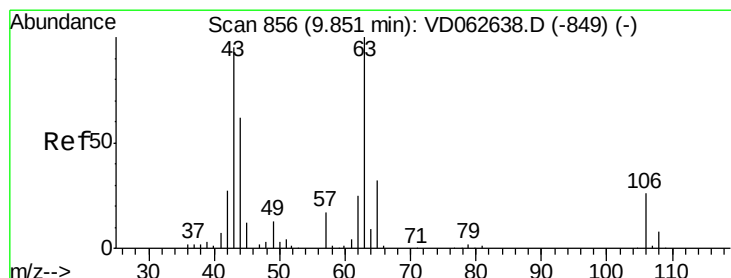
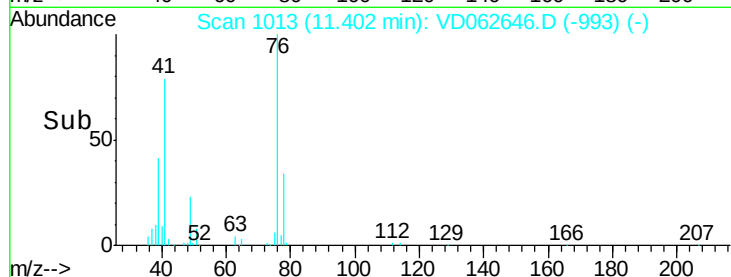
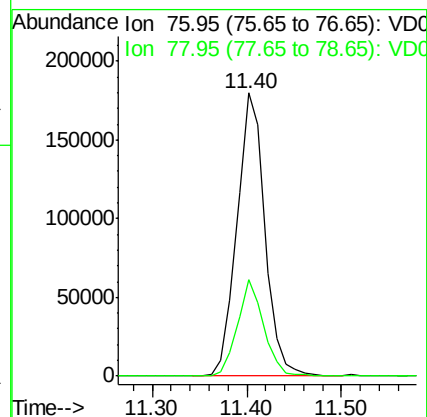
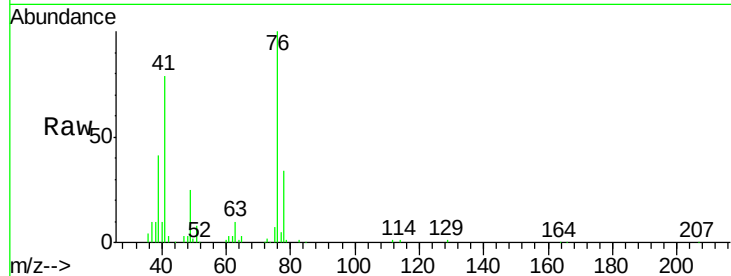
78 33.9 24.9 37.3

Manual Integrations

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MMDadoda

6/14/2019 12:38:40 AM



#58

2-Chloroethyl Vinyl ether

Concen: 222.295 ug/l

RT: 9.86 min Scan# 856

Delta R.T. 0.01 min

Lab File: VD062646.D

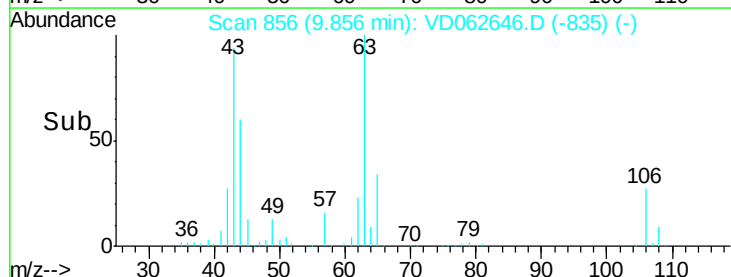
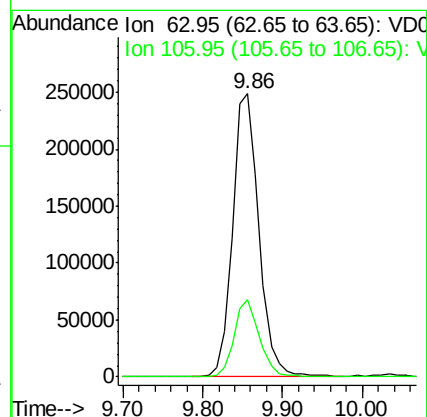
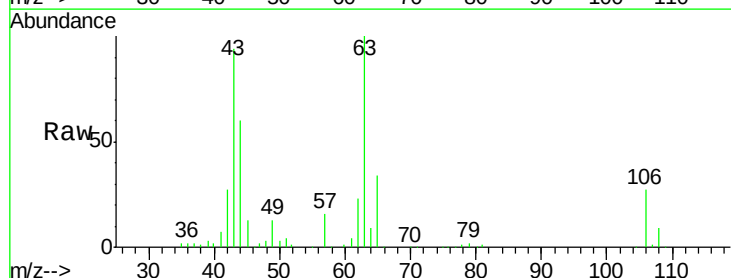
Acq: 10 Jun 2019 11:30

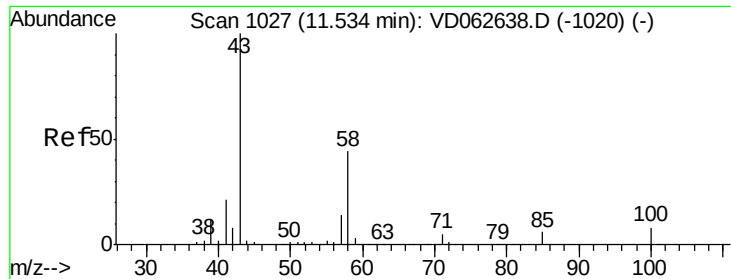
Tgt Ion: 63 Resp: 573505

Ion Ratio Lower Upper

63 100

106 27.2 20.5 30.7





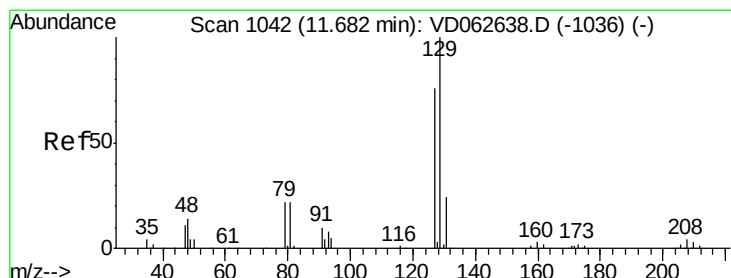
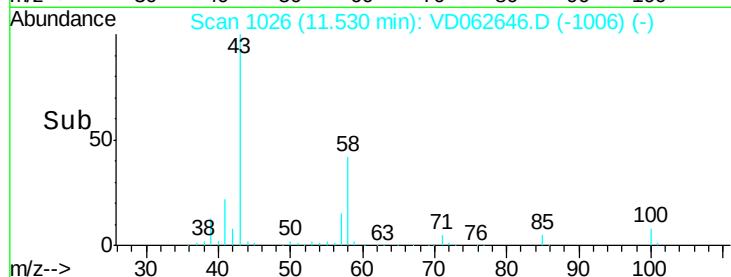
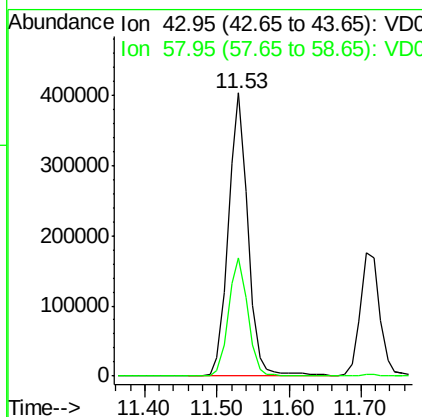
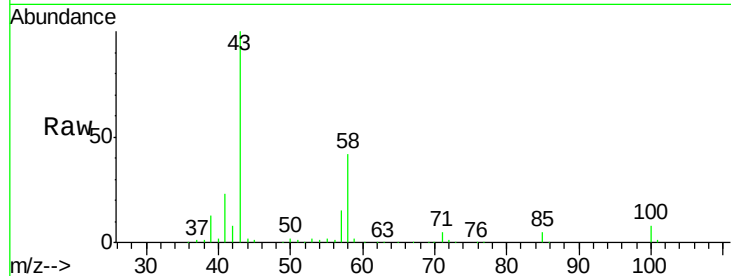
#59
2-Hexanone
Concen: 257.568 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 758471
Ion Ratio Lower Upper
43 100
58 41.7 21.8 65.4

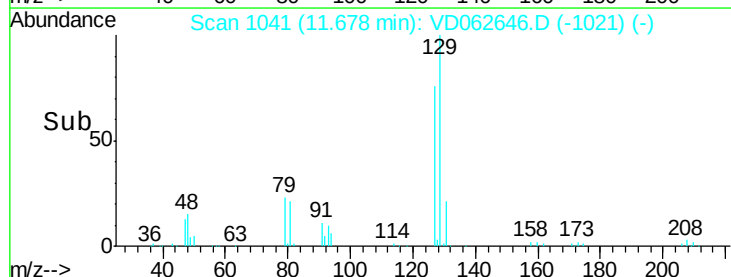
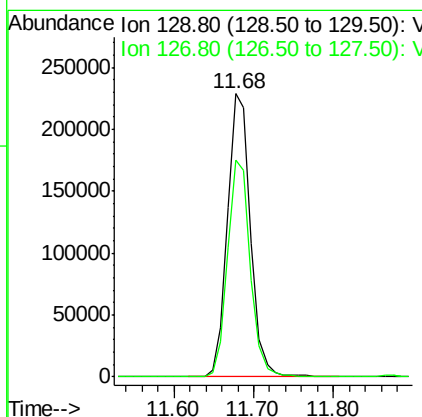
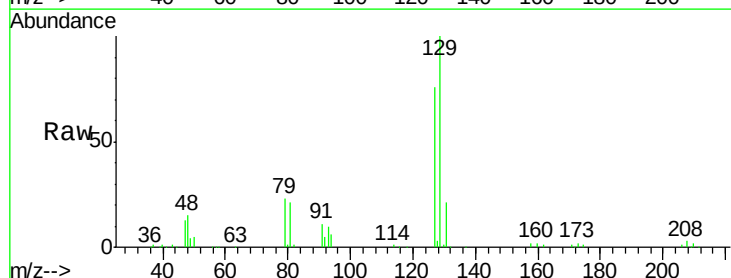
Manual Integrations
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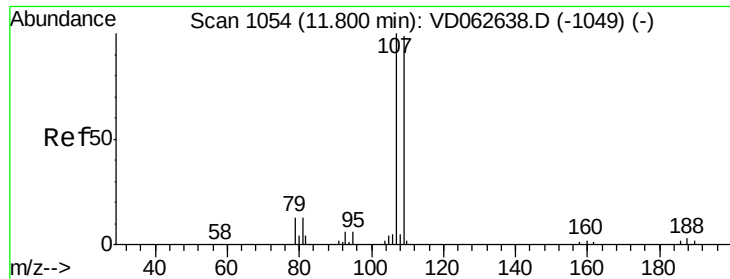
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#60
Dibromochloromethane
Concen: 48.933 ug/l
RT: 11.68 min Scan# 1041
Delta R.T. -0.00 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

Tgt Ion: 129 Resp: 466262
Ion Ratio Lower Upper
129 100
127 76.4 38.0 114.1





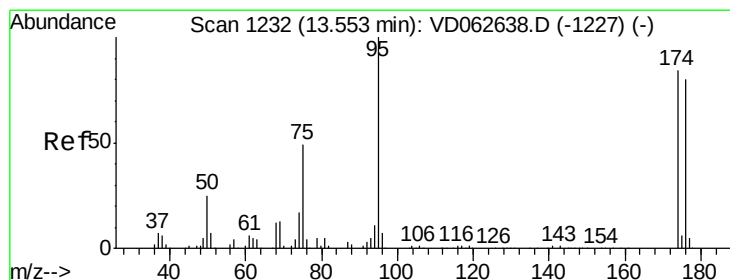
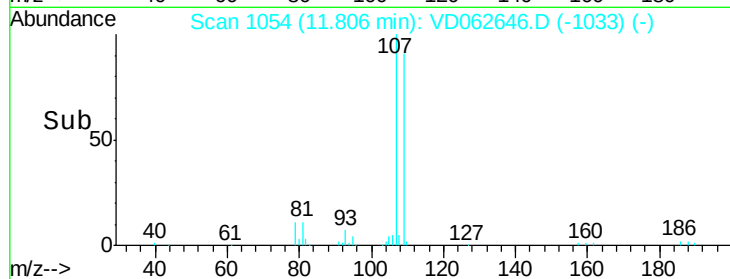
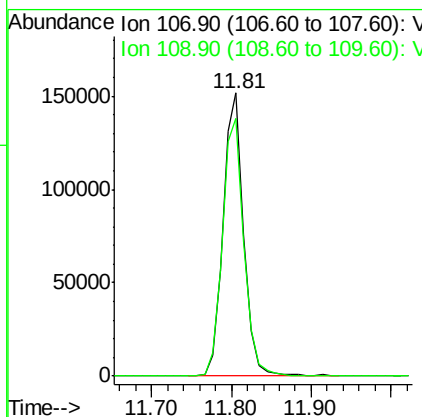
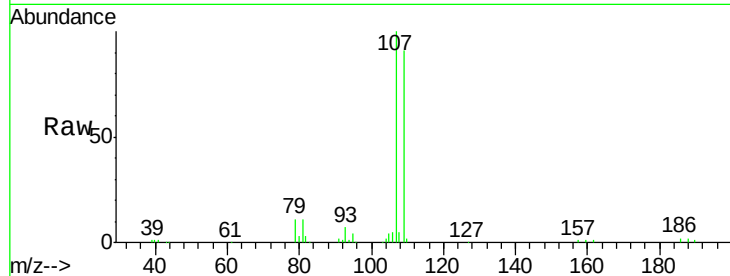
#61
 1,2-Dibromoethane
 Concen: 47.630 ug/l
 RT: 11.81 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD062646.D
 Acq: 10 Jun 2019 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.1	79.2	118.8

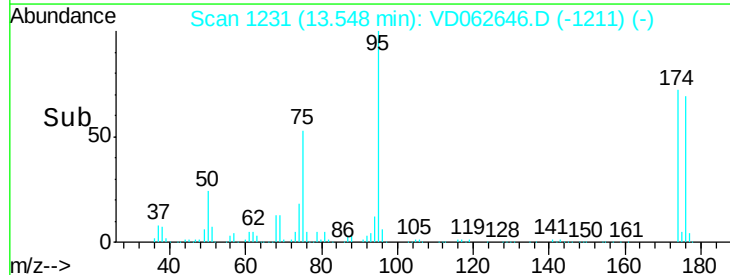
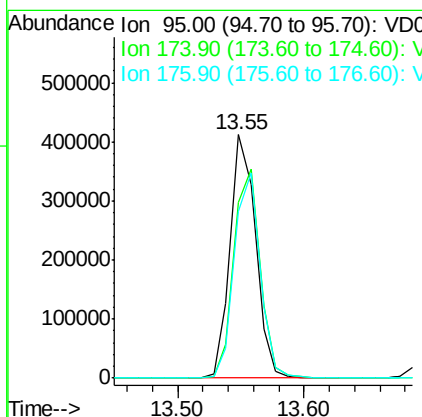
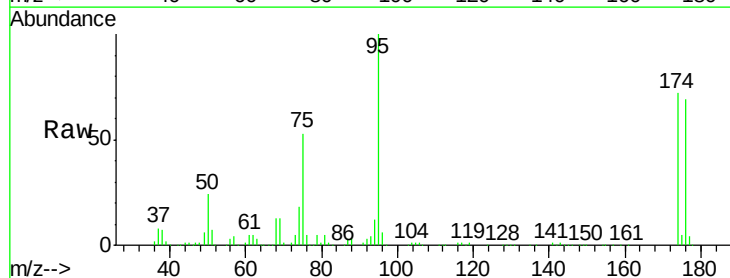
Manual Integrations
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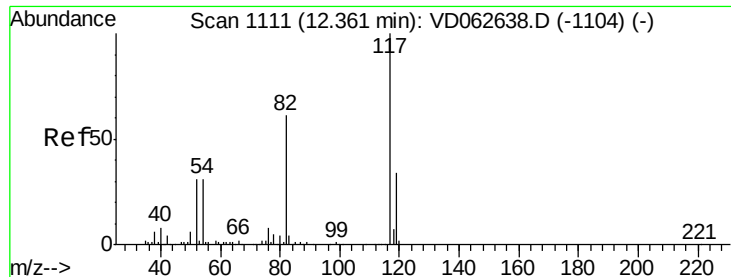
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 59.378 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VD062646.D
 Acq: 10 Jun 2019 11:30

Tgt Ion	Ratio	Lower	Upper
95	100		
174	72.3	0.0	167.0
176	68.7	0.0	159.2





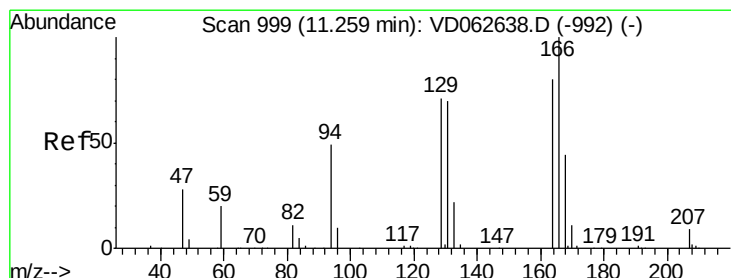
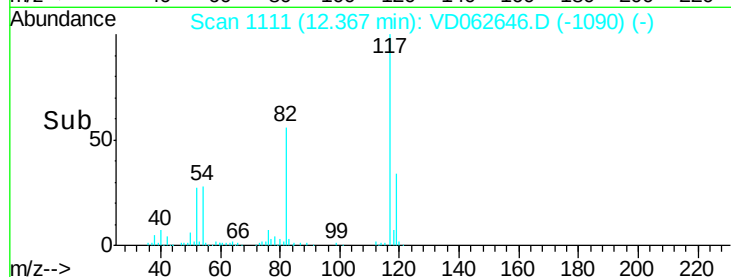
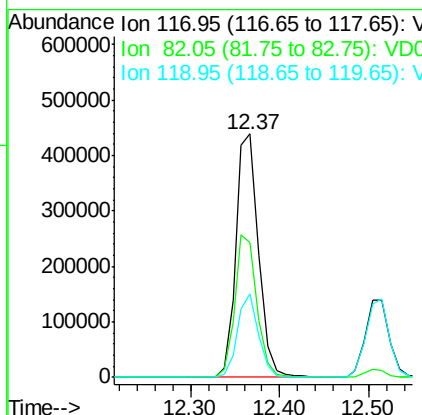
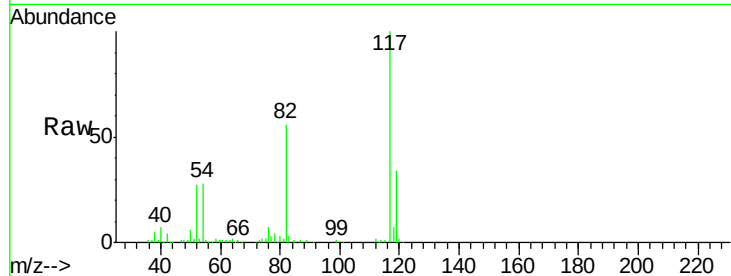
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.5	48.7	73.1
119	34.2	27.0	40.6

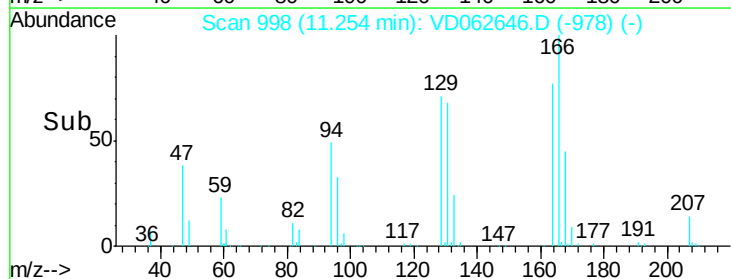
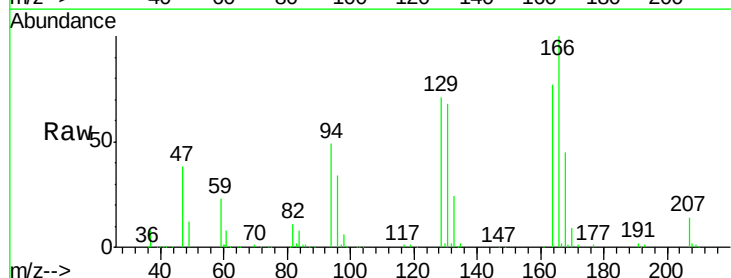
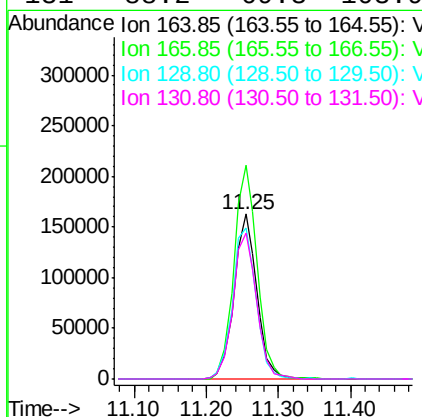
Manual Integrations
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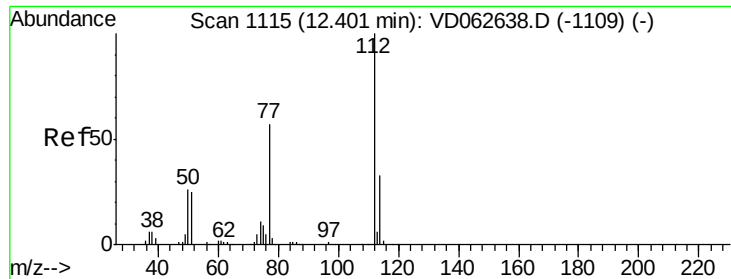
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#64
Tetrachloroethene
Concen: 49.233 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.00 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.5	99.4	149.2
129	91.7	70.2	105.4
131	88.2	69.3	103.9





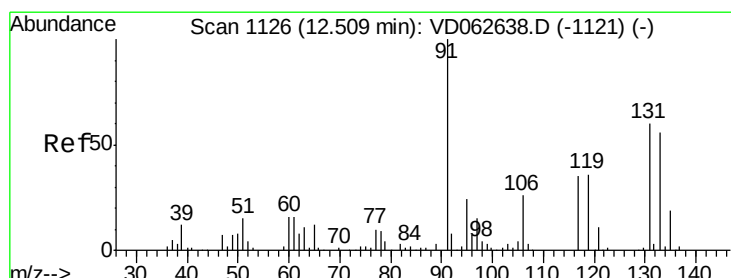
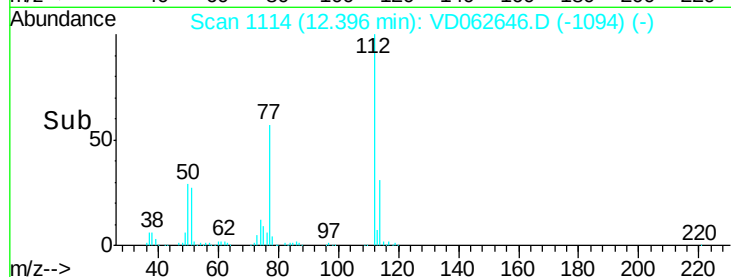
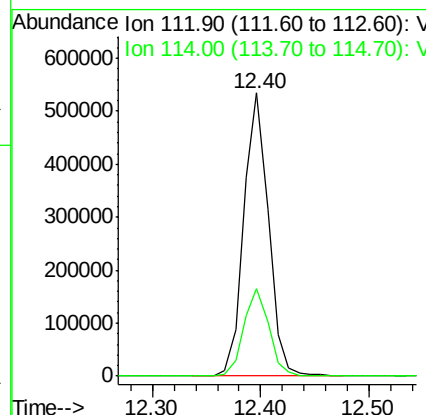
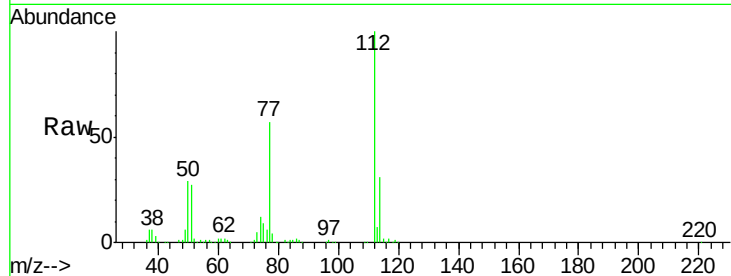
#65
Chlorobenzene
Concen: 49.037 ug/l
RT: 12.40 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 845004
Ion Ratio Lower Upper
112 100
114 30.8 26.3 39.5

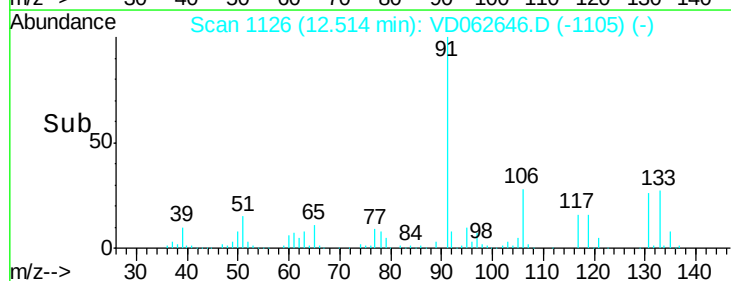
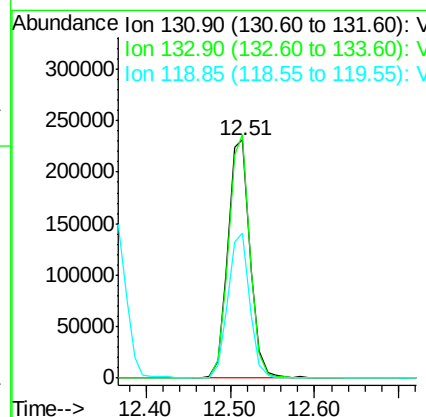
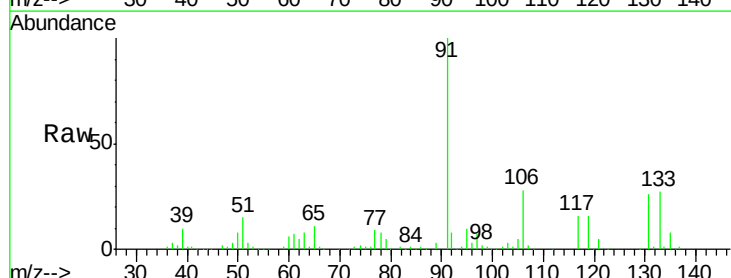
Manual Integrations
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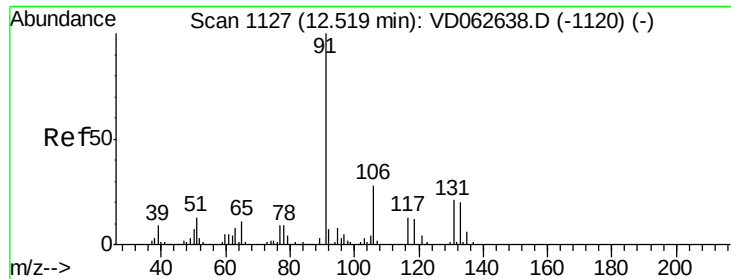
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.390 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.01 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

Tgt Ion:131 Resp: 422346
Ion Ratio Lower Upper
131 100
133 102.4 46.8 140.3
119 60.9 29.9 89.8





#67

Ethyl Benzene

Concen: 50.985 ug/l

RT: 12.52 min Scan# 1127

Delta R.T. 0.01 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1557724

Ion Ratio Lower Upper

91 100

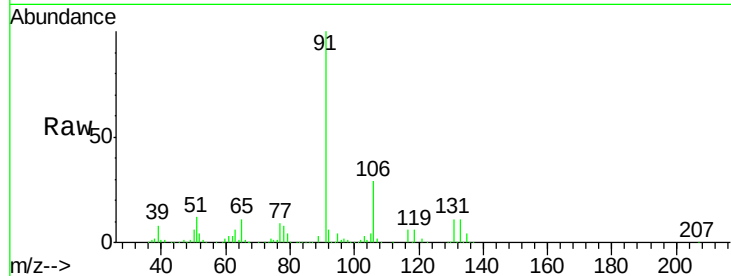
106 28.6 22.1 33.1

Manual Integrations

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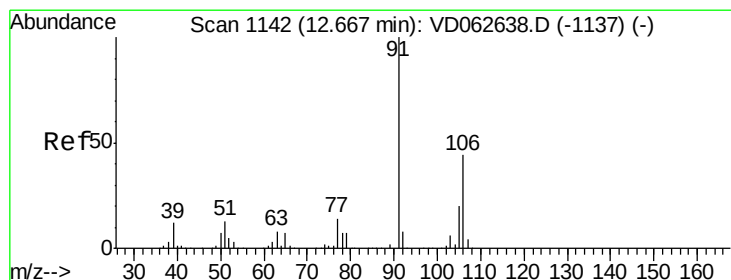
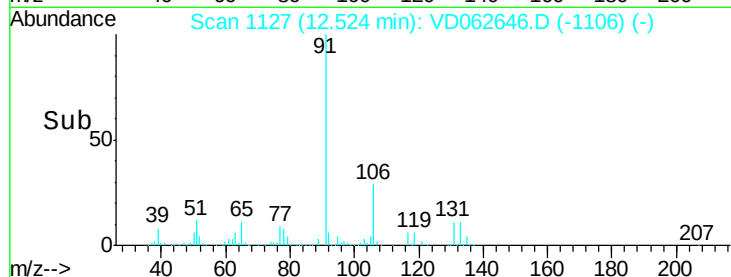
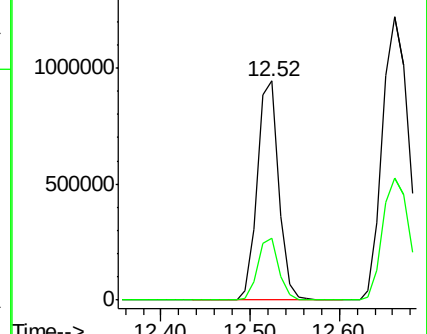
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.05 (105.75 to 106.75): V



#68

m/p-Xylenes

Concen: 100.248 ug/l

RT: 12.66 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VD062646.D

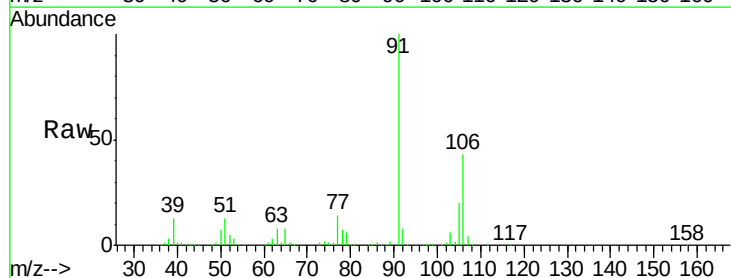
Acq: 10 Jun 2019 11:30

Tgt Ion: 106 Resp: 1076757

Ion Ratio Lower Upper

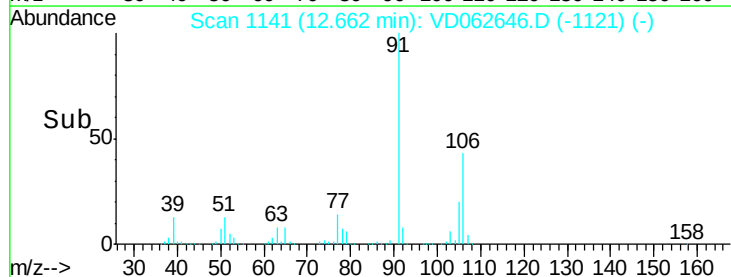
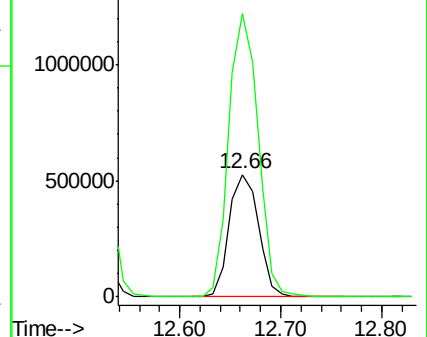
106 100

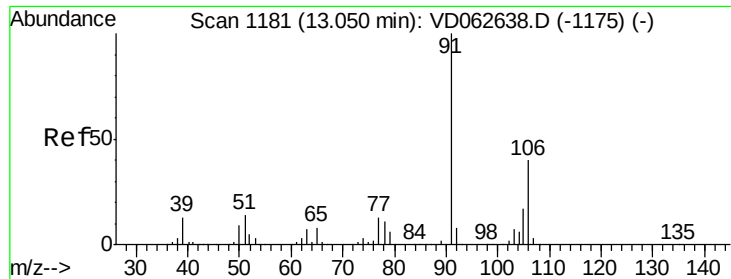
91 231.5 180.2 270.4



Abundance Ion 106.05 (105.75 to 106.75): V

Ion 91.00 (90.70 to 91.70): V





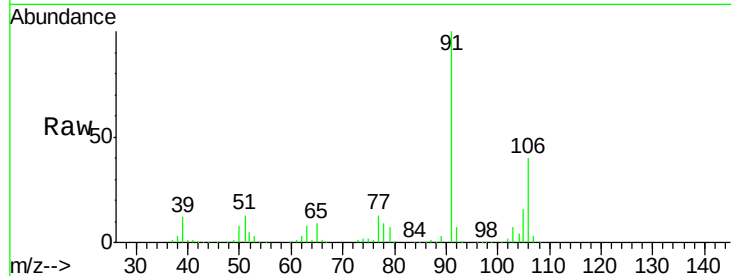
#69
o-Xylene
Concen: 45.207 ug/l
RT: 13.05 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

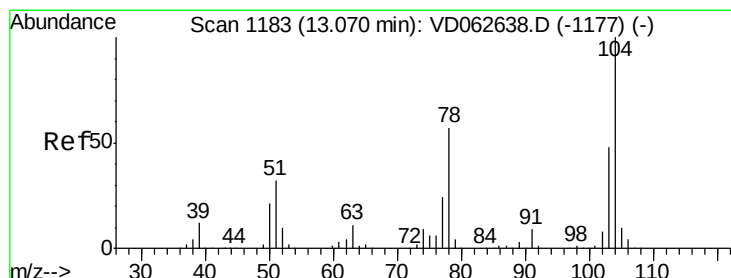
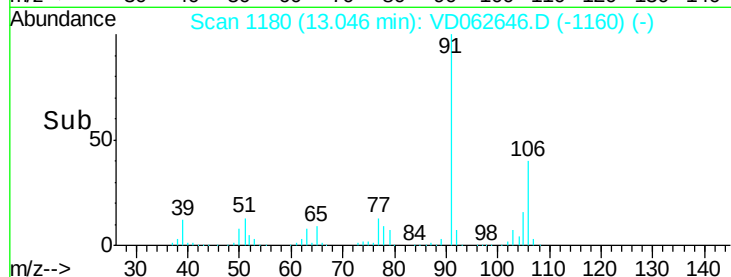
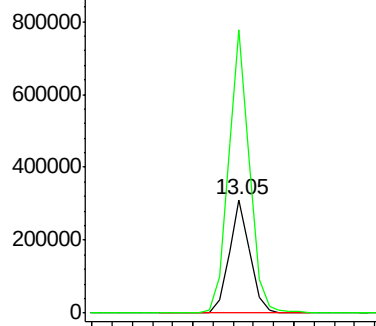
Tot Ion:106 Resp: 445949
Ion Ratio Lower Upper
106 100
91 250.1 124.1 372.1

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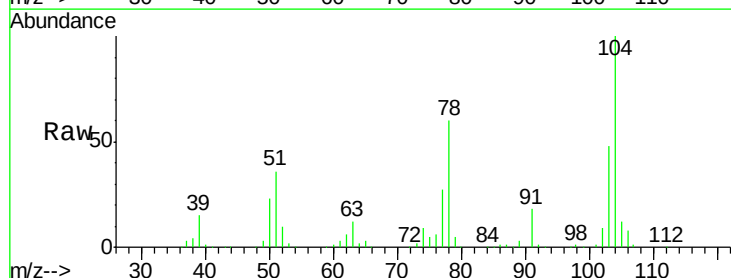


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

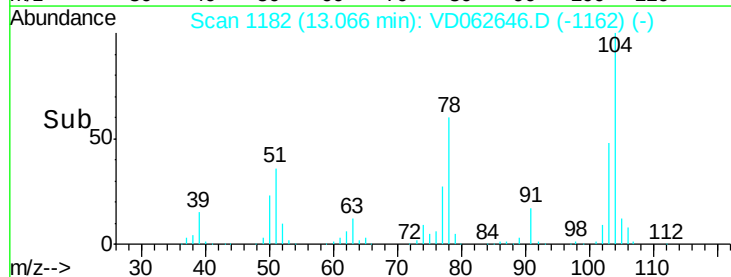
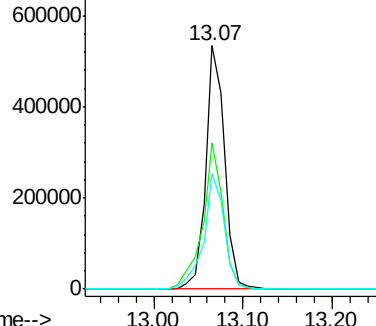


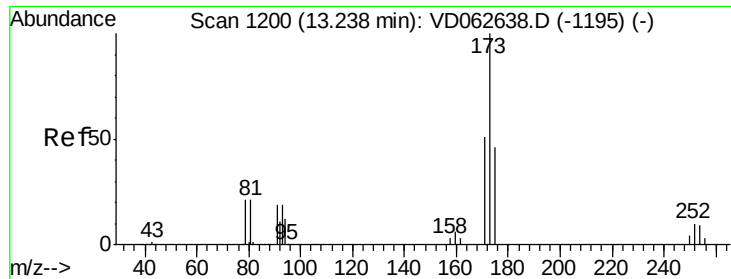
#70
Styrene
Concen: 45.270 ug/l
RT: 13.07 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

Tgt Ion:104 Resp: 796792
Ion Ratio Lower Upper
104 100
78 59.9 45.9 68.9
103 47.7 38.4 57.6



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: 46.762 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Instrument :

MSVOA_D

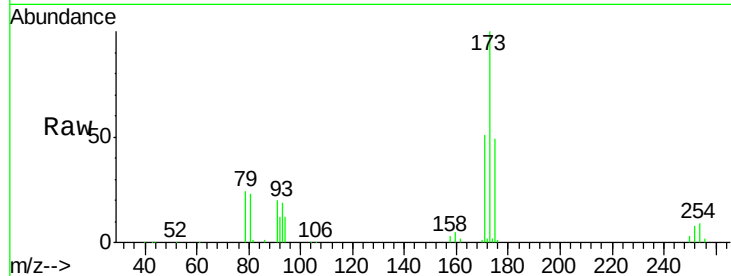
ClientSampleId :

VSTDCCC050

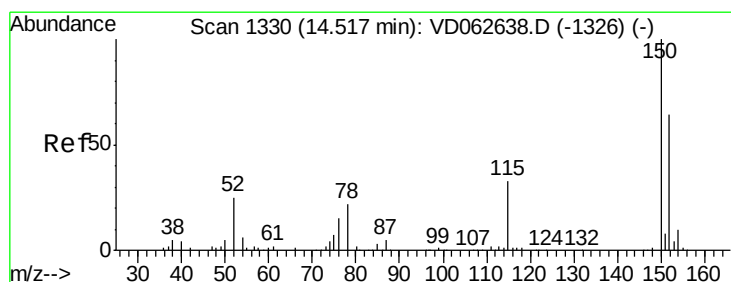
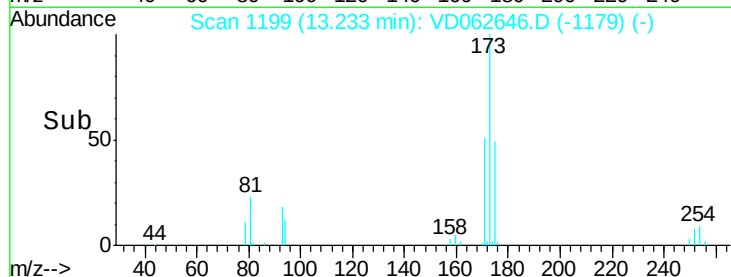
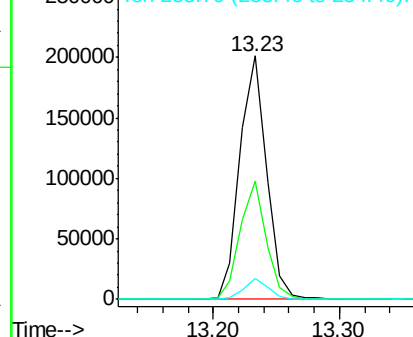
Tot Ion:	173	Resp:	293600
Ion Ratio	Lower	Upper	
173	100		
175	48.6	22.9	68.7
254	8.8	7.0	10.4

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Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

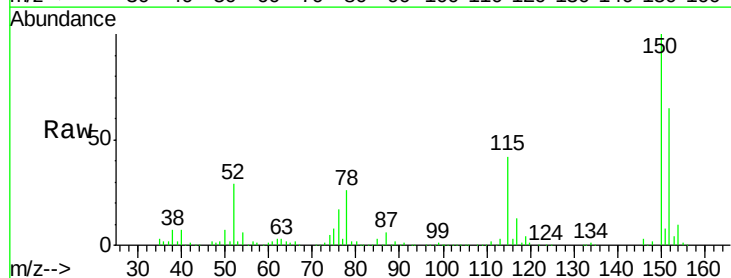
RT: 14.51 min Scan# 1329

Delta R.T. -0.00 min

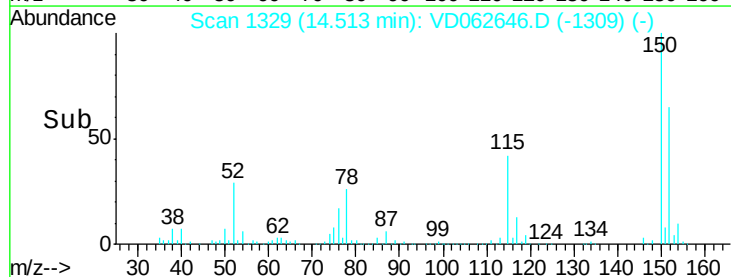
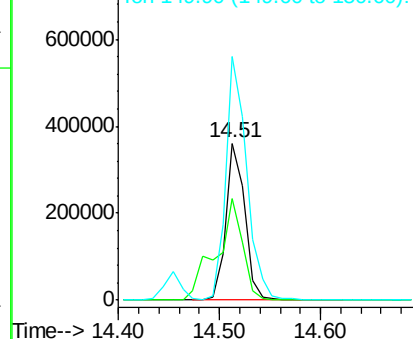
Lab File: VD062646.D

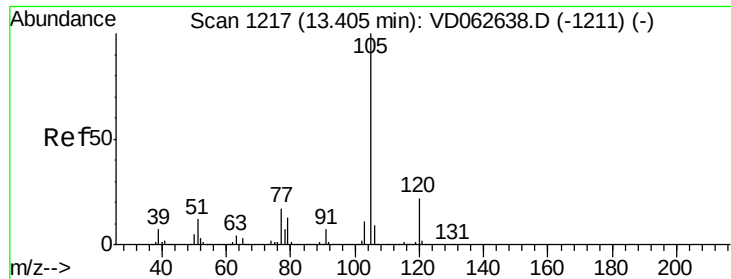
Acq: 10 Jun 2019 11:30

Tgt Ion:	152	Resp:	470696
Ion Ratio	Lower	Upper	
152	100		
115	65.0	30.1	90.5
150	154.9	0.0	314.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.417 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1606320

Ion Ratio Lower Upper

105 100

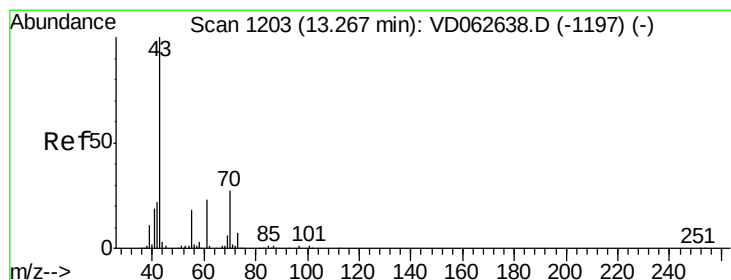
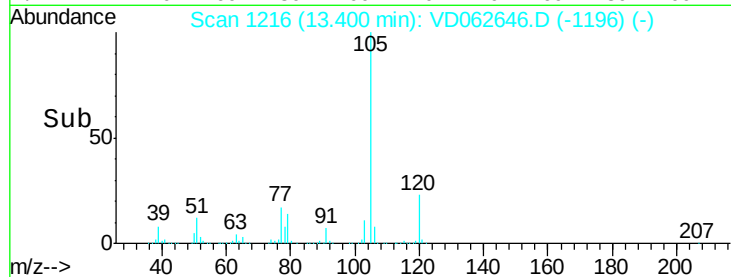
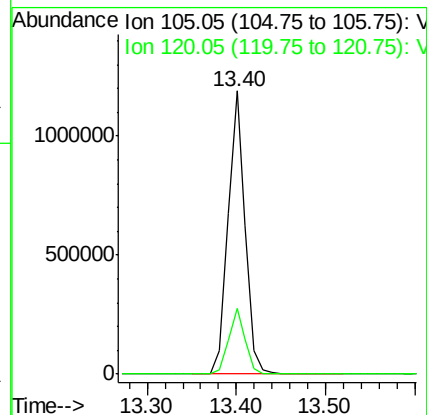
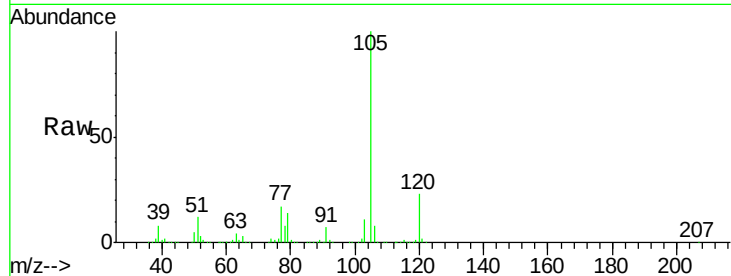
120 23.0 10.9 32.7

Manual Integrations

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#74

N-ethyl acetate

Concen: 42.671 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Tgt Ion: 43 Resp: 382605

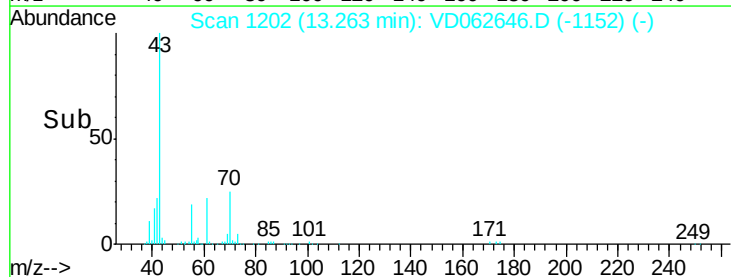
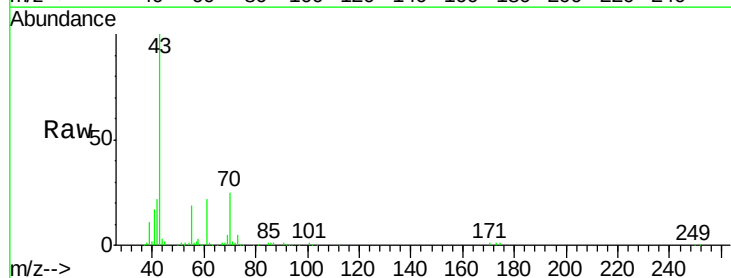
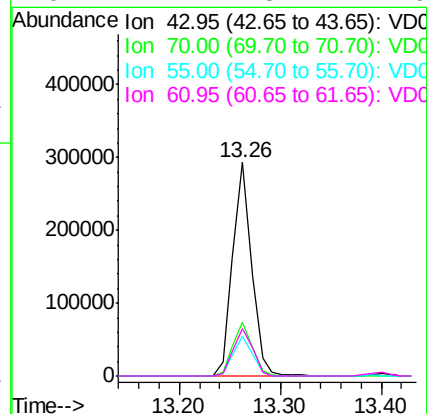
Ion Ratio Lower Upper

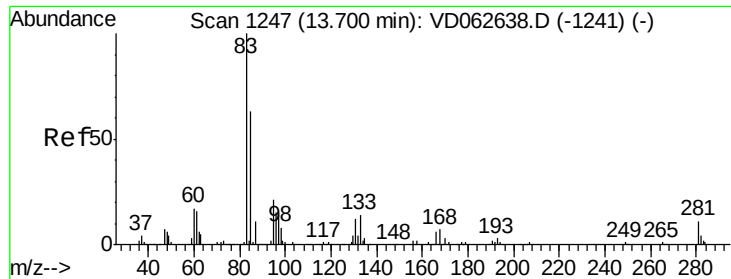
43 100

70 25.2 21.8 32.8

55 18.7 14.6 21.8

61 22.4 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 43.514 ug/l

RT: 13.70 min Scan# 1246

Delta R.T. -0.00 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 247020

Ion Ratio Lower Upper

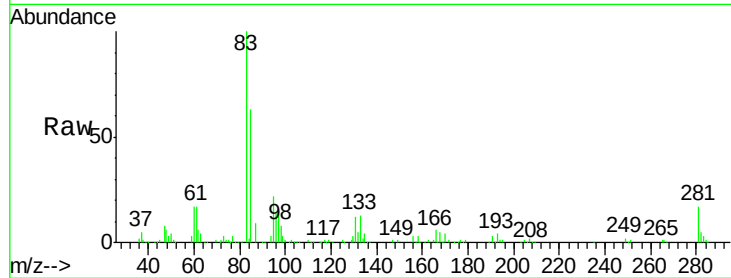
83 100

131 12.4 5.9 17.7

85 62.5 31.3 93.9

Manual Integrations
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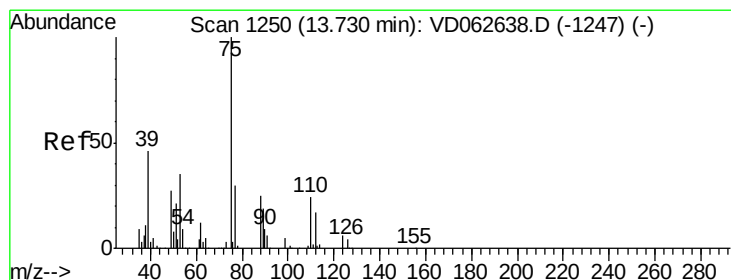
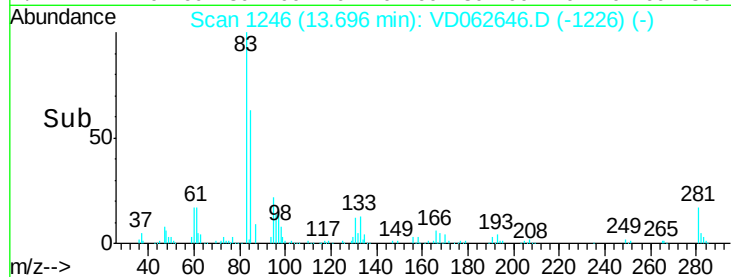
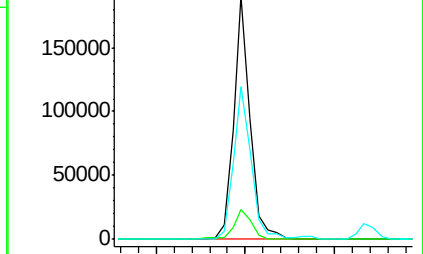
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Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 45.349 ug/l

RT: 13.73 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VD062646.D

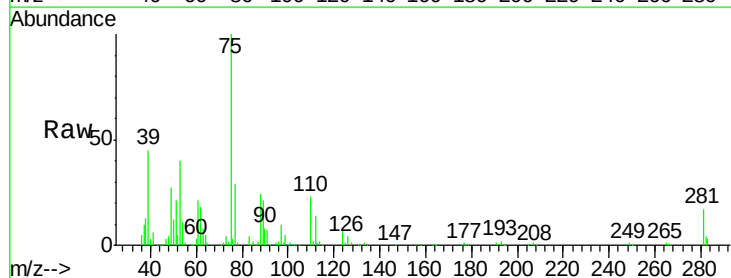
Acq: 10 Jun 2019 11:30

Tgt Ion: 75 Resp: 289428

Ion Ratio Lower Upper

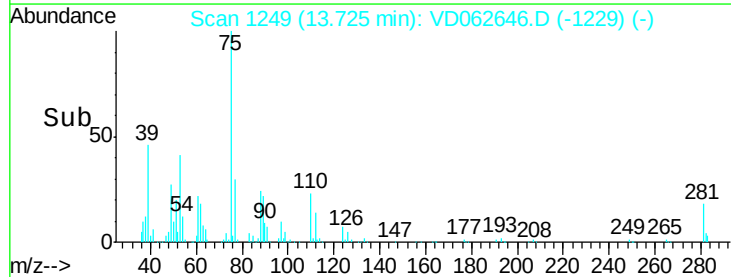
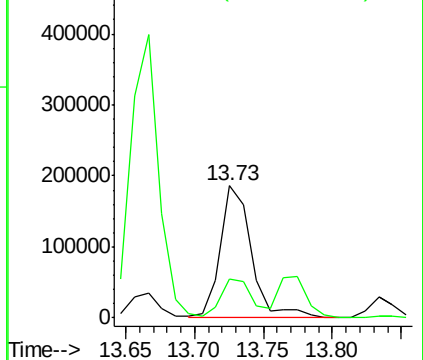
75 100

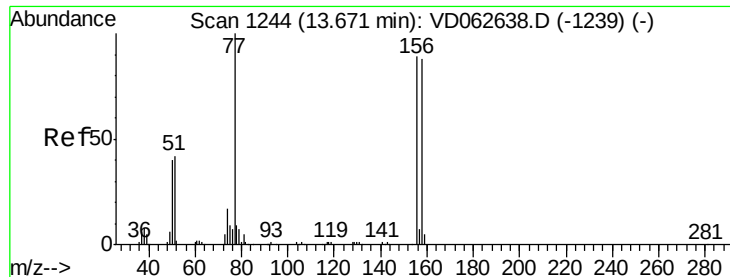
77 29.4 16.2 48.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 45.894 ug/l

RT: 13.67 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 435196

Ion Ratio Lower Upper

156 100

77 118.3 56.3 168.8

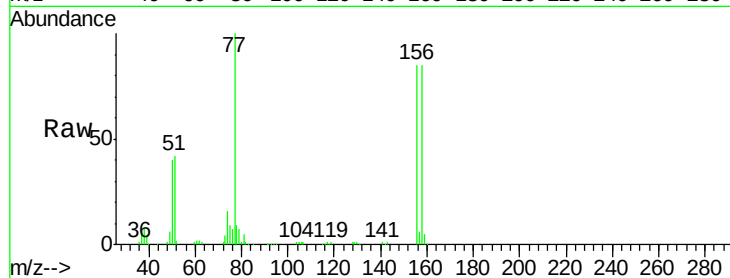
158 100.9 49.6 148.8

Manual Integrations

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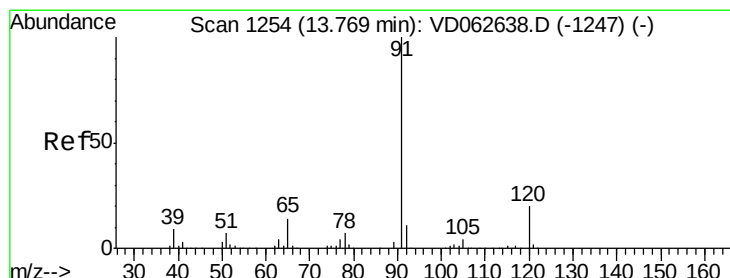
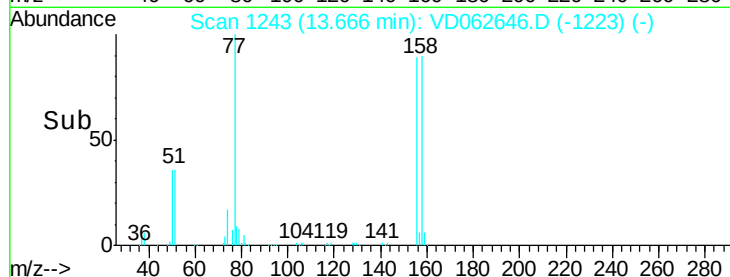
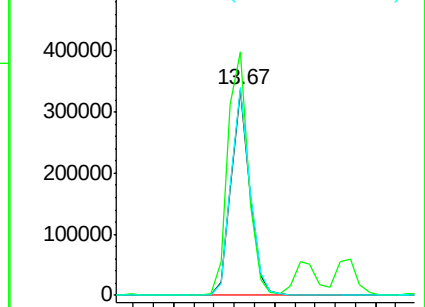
6/14/2019 12:38:40 AM



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 46.735 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VD062646.D

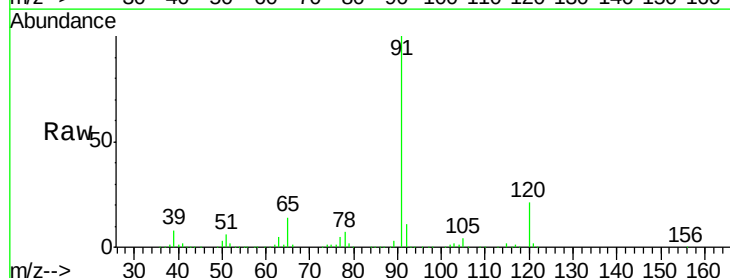
Acq: 10 Jun 2019 11:30

Tgt Ion: 91 Resp: 1897923

Ion Ratio Lower Upper

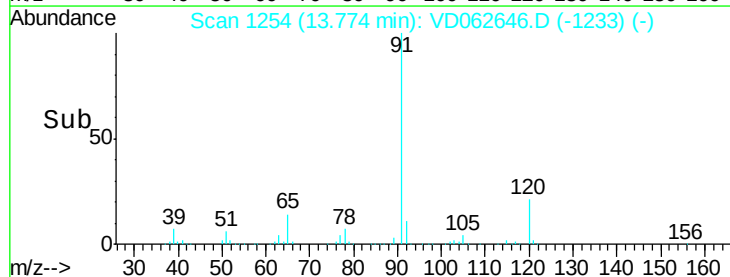
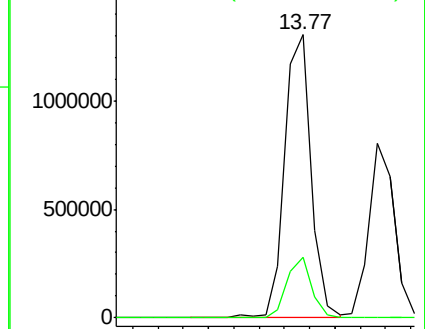
91 100

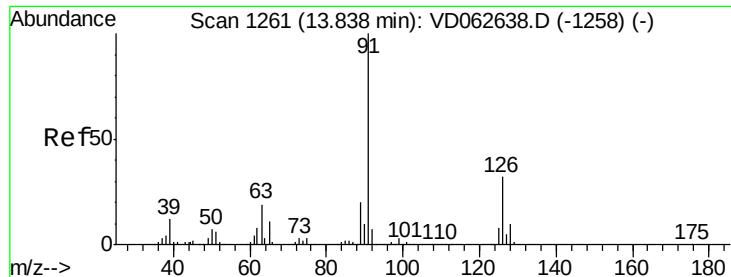
120 21.5 9.8 29.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 47.206 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1122478

Ion Ratio Lower Upper

91 100

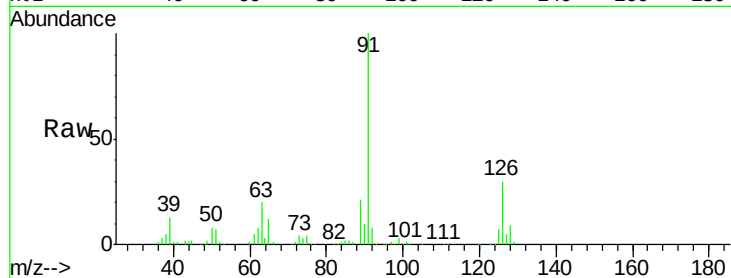
126 30.4 15.8 47.4

Manual Integrations

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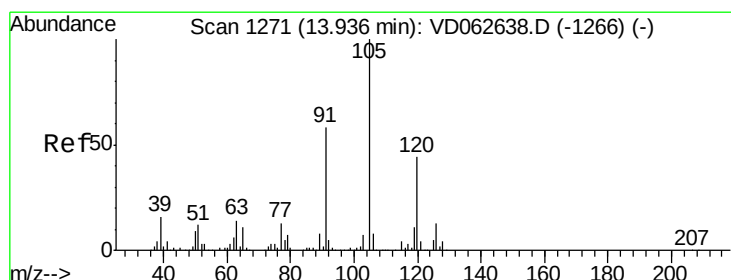
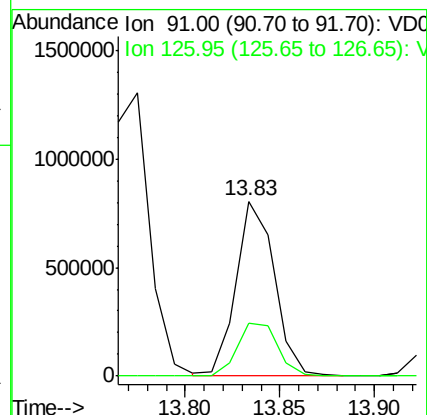
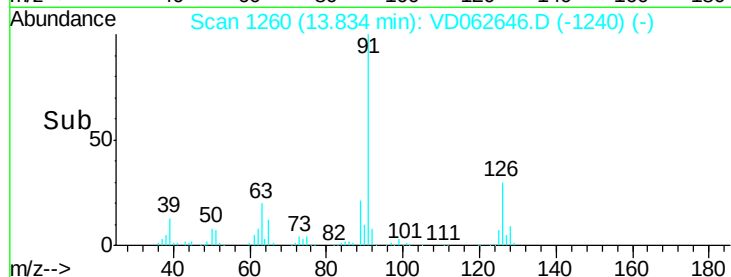
MMDadoda

6/14/2019 12:38:40 AM



Abundance Ion 91.00 (90.70 to 91.70): VD062646.D (-1240) (-)

Ion 125.95 (125.65 to 126.65): VD062646.D (-1240) (-)



#80

1,3,5-Trimethylbenzene

Concen: 45.302 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD062646.D

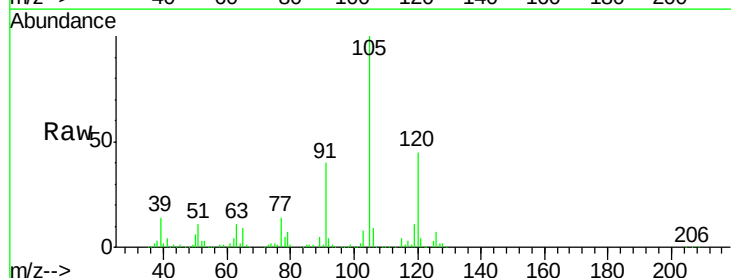
Acq: 10 Jun 2019 11:30

Tgt Ion: 105 Resp: 1328316

Ion Ratio Lower Upper

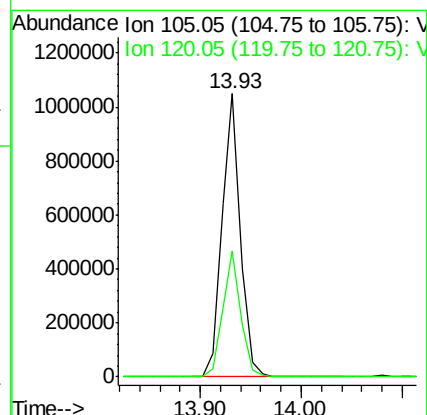
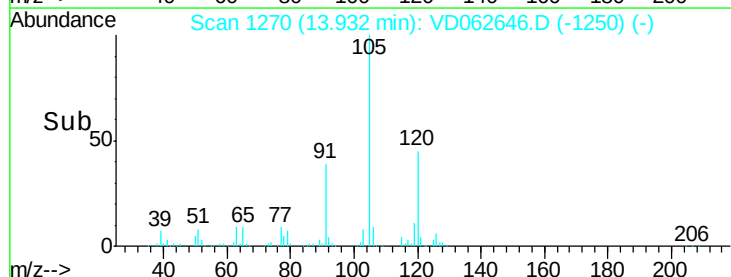
105 100

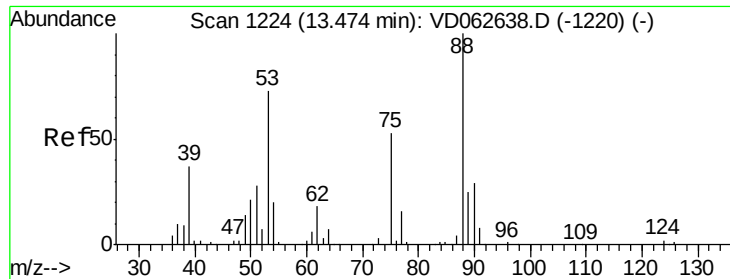
120 44.6 22.1 66.5



Abundance Ion 105.05 (104.75 to 105.75): VD062646.D (-1250) (-)

Ion 120.05 (119.75 to 120.75): VD062646.D (-1250) (-)





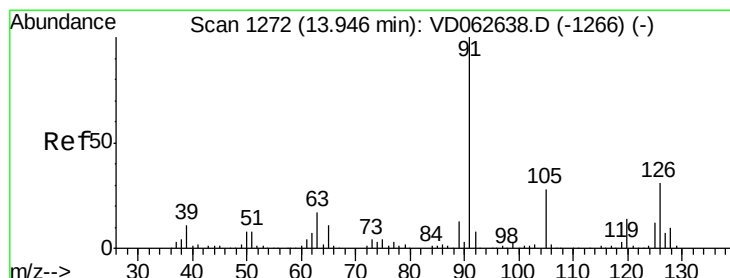
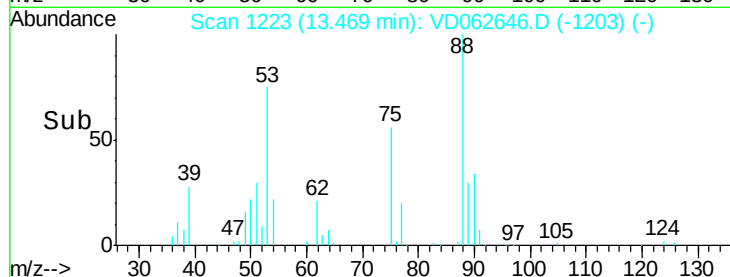
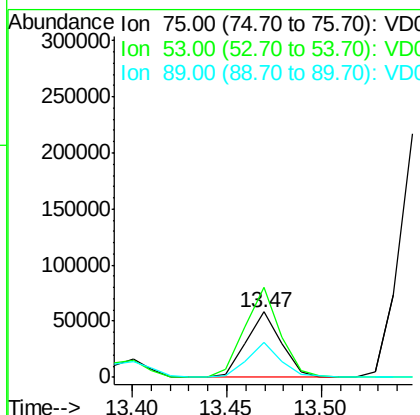
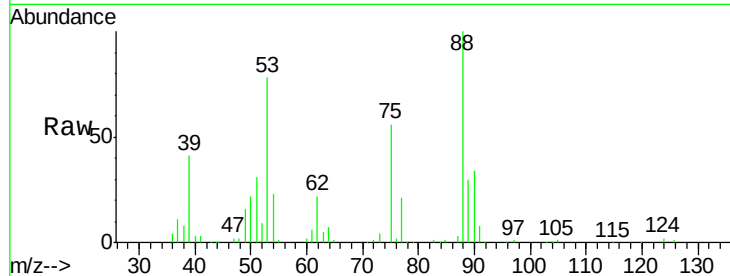
#81
trans-1,4-Dichloro-2-butene
Concen: 40.718 ug/l
RT: 13.47 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 75582
Ion Ratio Lower Upper
75 100
53 138.5 109.4 164.2
89 53.8 37.0 55.6

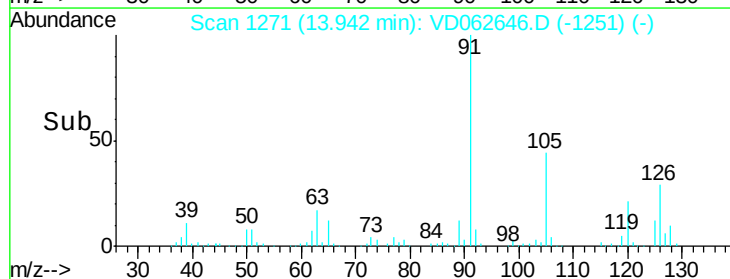
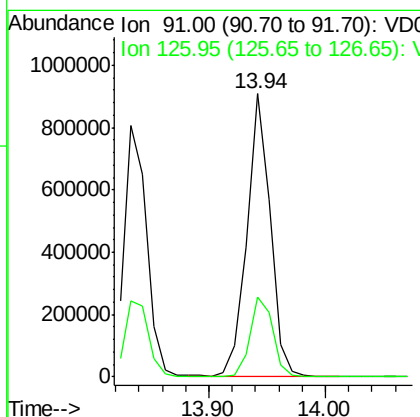
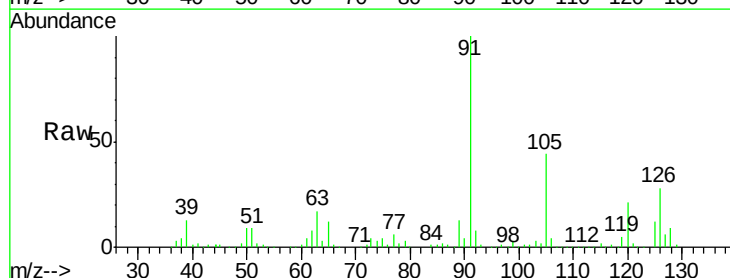
Manual Integrations
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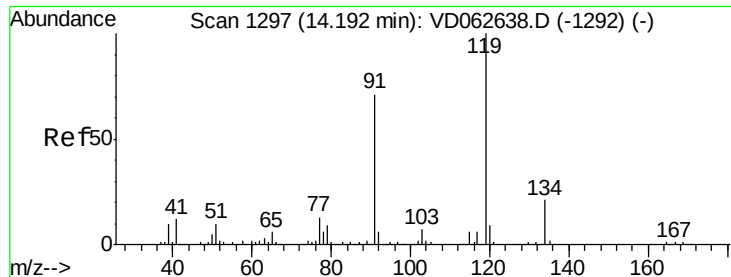
MMDadoda
6/14/2019 12:38:40 AM



#82
4-Chlorotoluene
Concen: 44.223 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

Tgt Ion: 91 Resp: 1257532
Ion Ratio Lower Upper
91 100
126 28.3 15.6 46.8





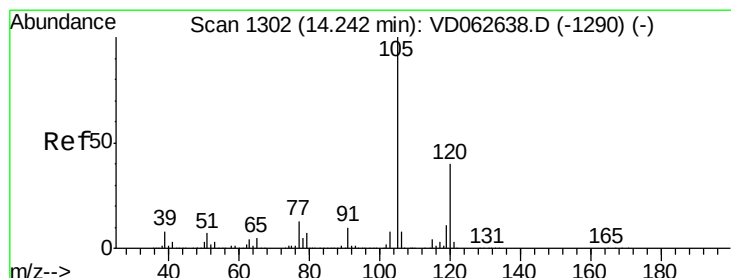
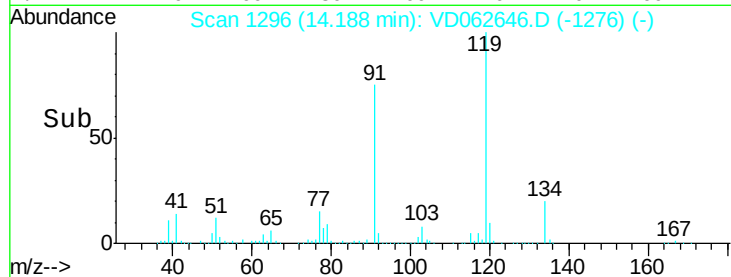
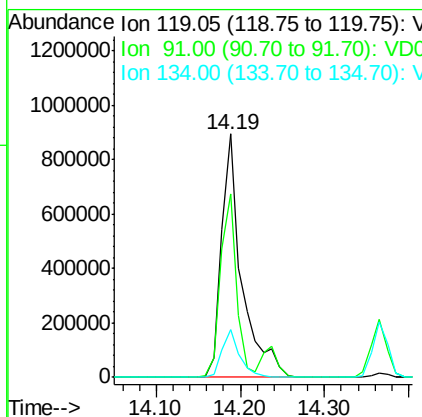
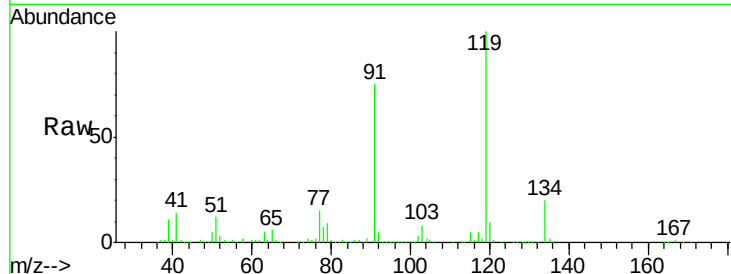
#83
tert-Butylbenzene
Concen: 46.404 ug/l
RT: 14.19 min Scan# 1296
Delta R.T. -0.00 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 1500710
Ion Ratio Lower Upper
119 100
91 75.3 35.4 106.1
134 19.8 10.8 32.3

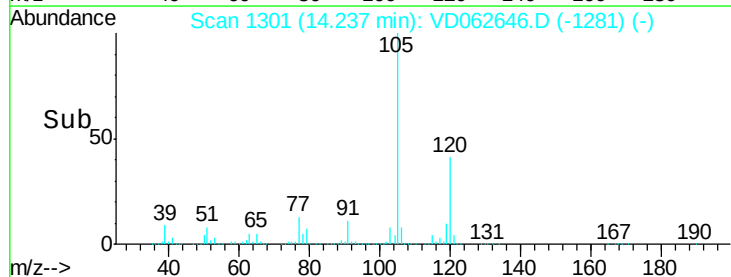
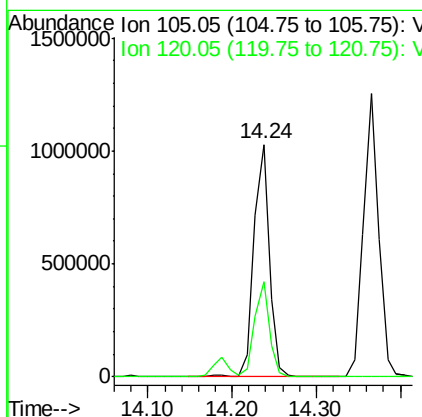
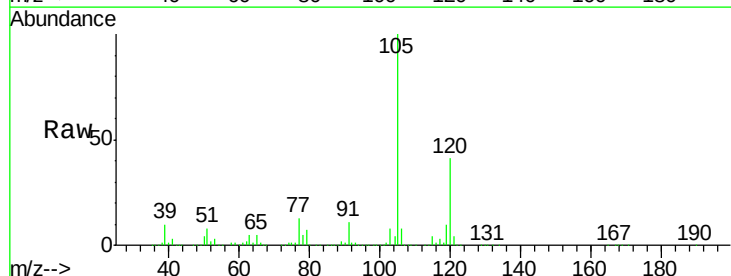
Manual Integrations
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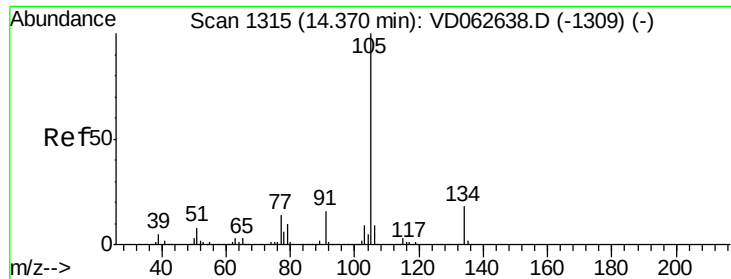
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 45.934 ug/l
RT: 14.24 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

Tgt Ion:105 Resp: 1333548
Ion Ratio Lower Upper
105 100
120 40.9 20.3 60.8





#85

sec-Butylbenzene

Concen: 46.466 ug/l

RT: 14.37 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1575759

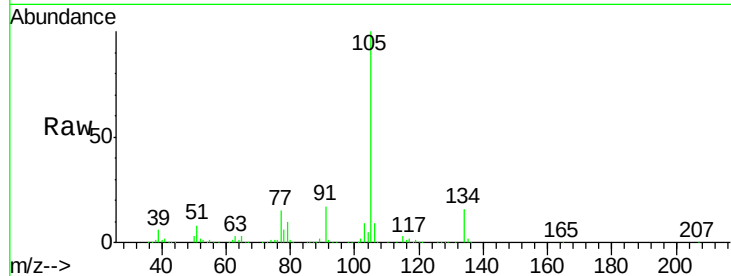
Ion Ratio Lower Upper

105 100

134 16.5 8.8 26.2

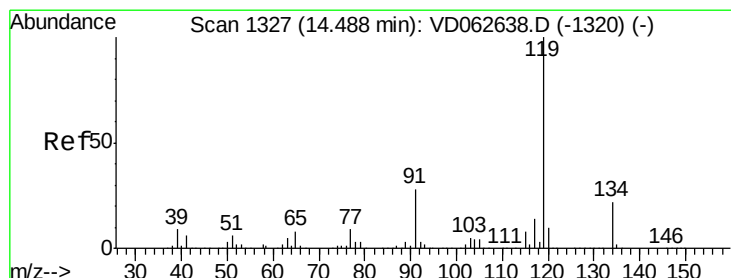
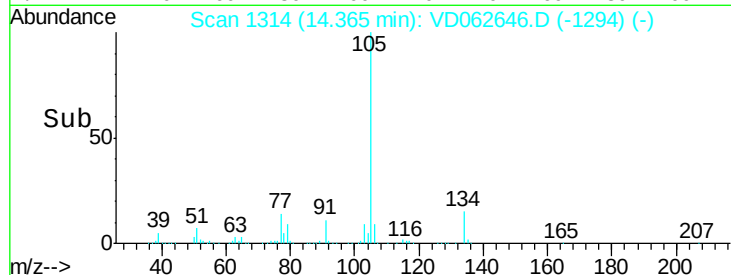
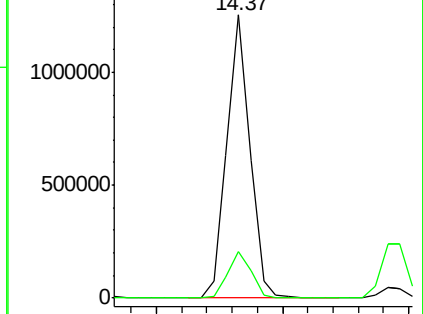
Manual Integrations
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6/14/2019 12:38:40 AM



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 48.298 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. -0.00 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

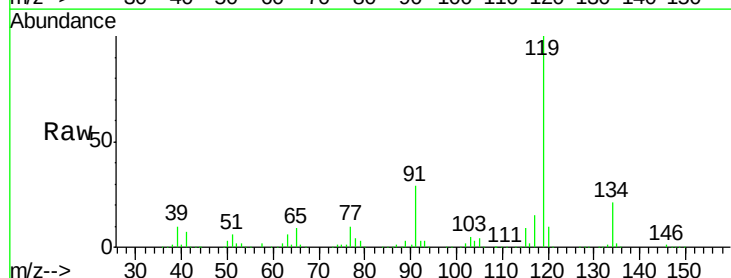
Tgt Ion:119 Resp: 1594699

Ion Ratio Lower Upper

119 100

134 21.0 10.9 32.6

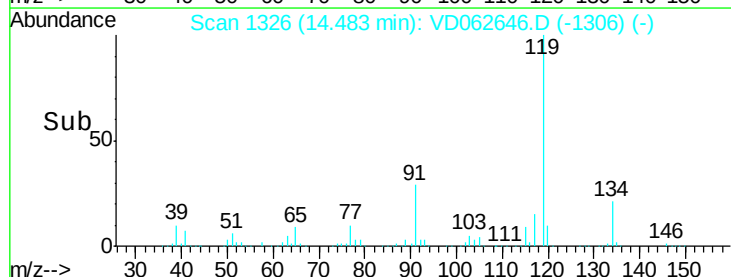
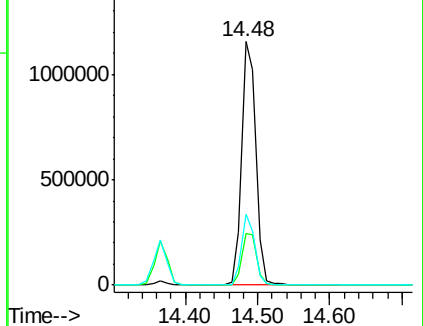
91 28.9 13.9 41.6

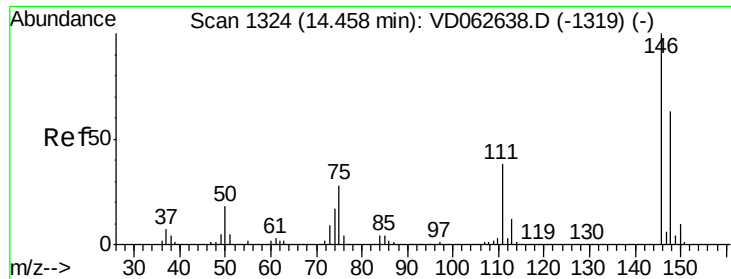


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 46.068 ug/l

RT: 14.45 min Scan# 1323

Delta R.T. -0.00 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Instrument :

MSVOA_D

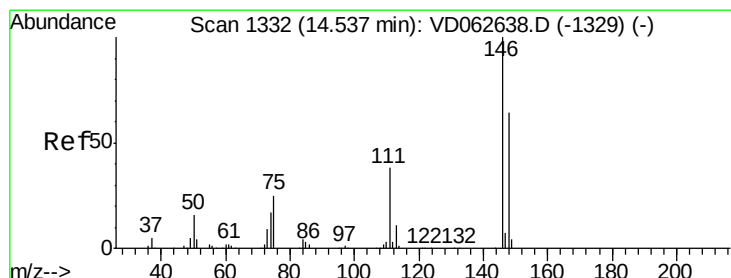
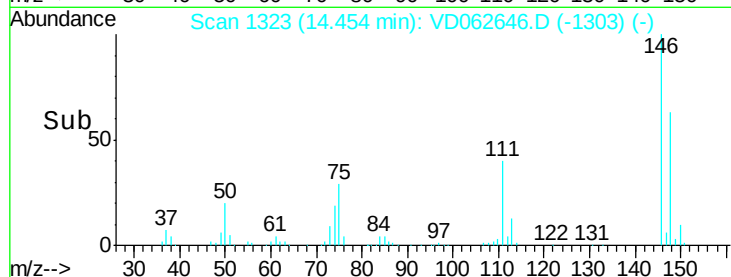
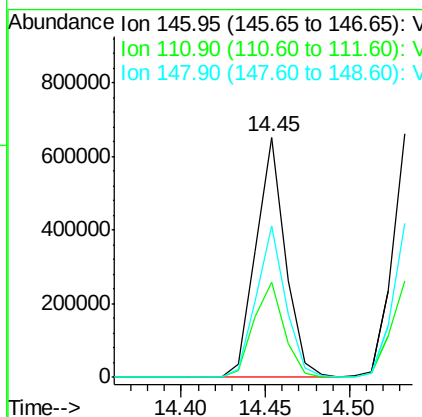
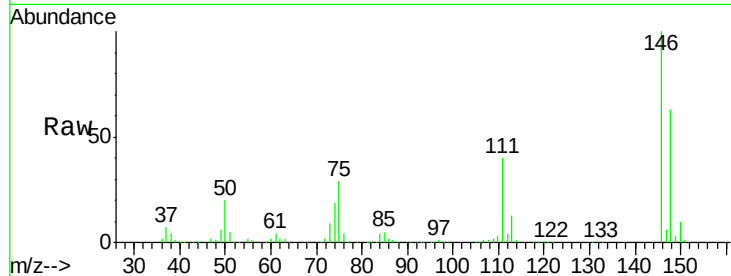
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	791386
Ion Ratio	Lower	Upper	
146	100		
111	39.8	19.2	57.6
148	63.2	31.6	95.0

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 47.718 ug/l

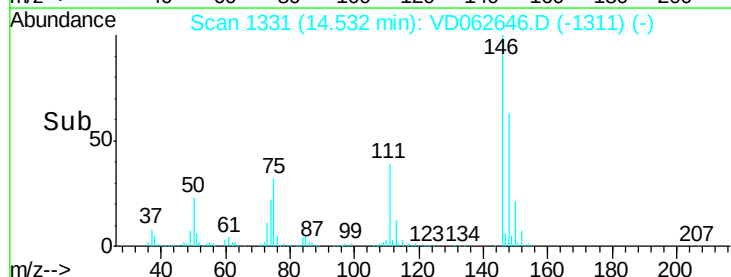
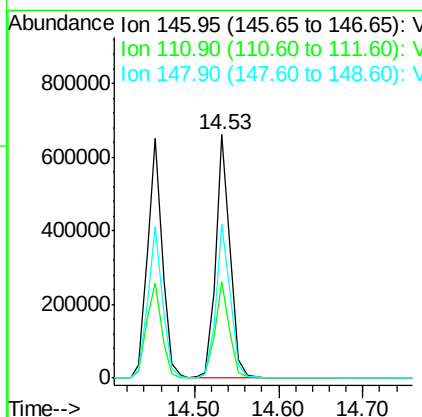
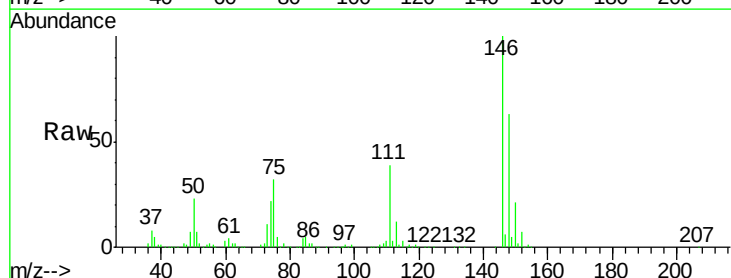
RT: 14.53 min Scan# 1331

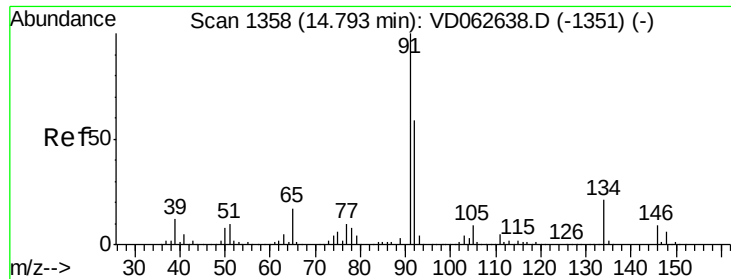
Delta R.T. -0.00 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Tgt Ion:	146	Resp:	774682
Ion Ratio	Lower	Upper	
146	100		
111	39.5	18.9	56.7
148	63.4	32.3	96.8





#89

n-Butylbenzene

Concen: 48.320 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.01 min

Lab File: VD062646.D

Acq: 10 Jun 2019 11:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1435272

Ion Ratio Lower Upper

91 100

92 59.4 29.4 88.3

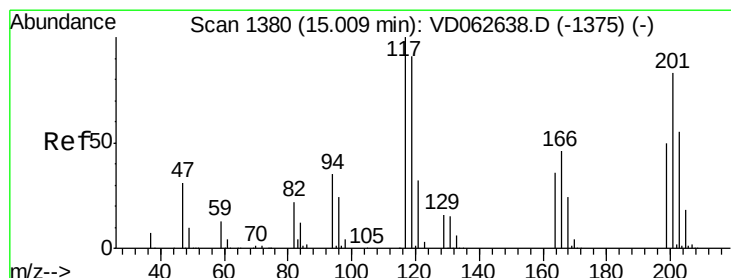
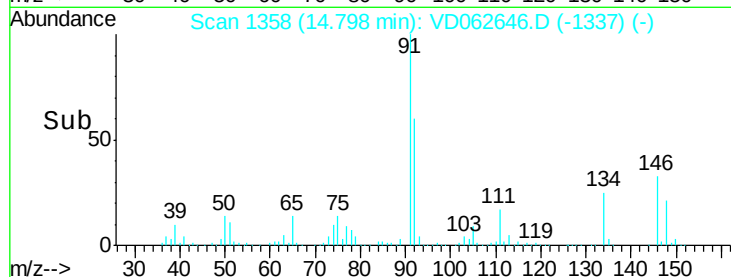
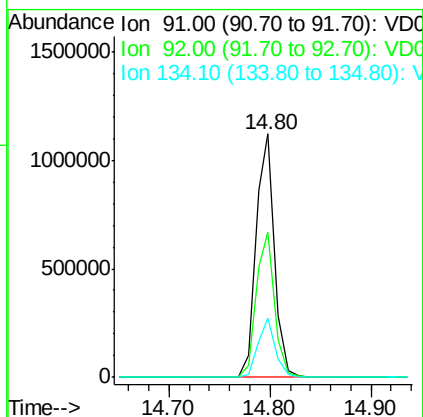
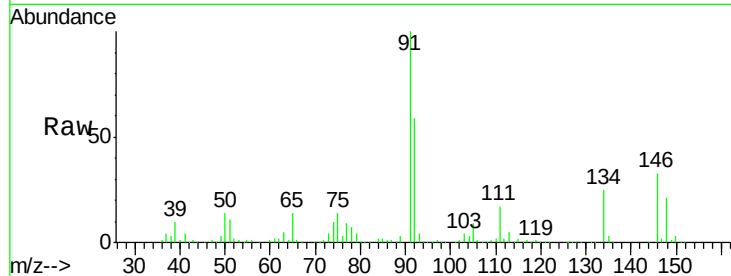
134 24.5 10.4 31.2

Manual Integrations

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#90

Hexachloroethane

Concen: 49.468 ug/l

RT: 15.01 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VD062646.D

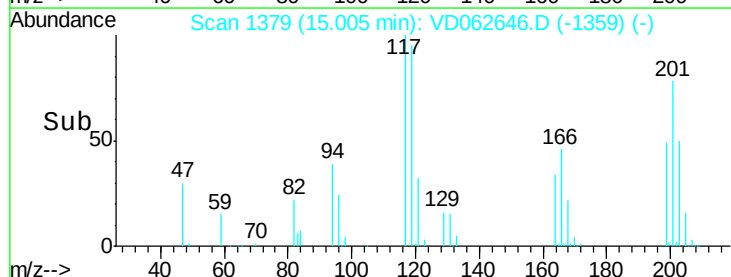
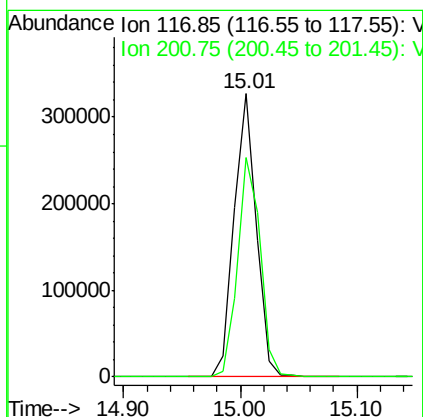
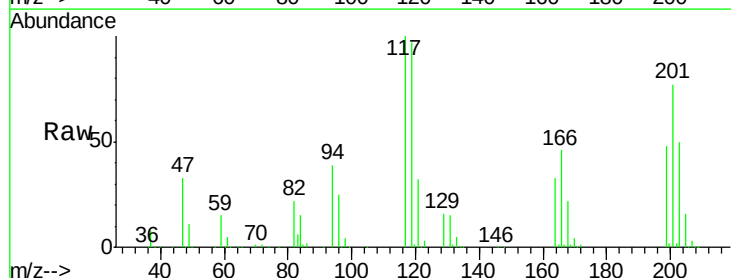
Acq: 10 Jun 2019 11:30

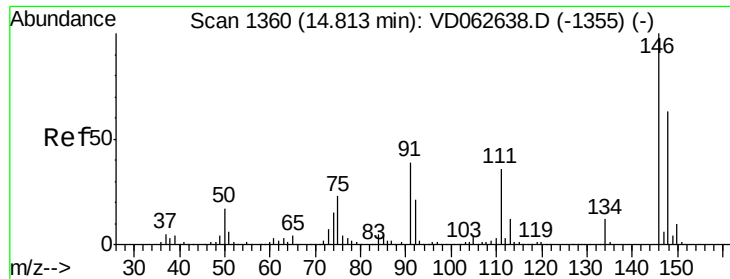
Tgt Ion: 117 Resp: 431189

Ion Ratio Lower Upper

117 100

201 77.3 41.5 124.6





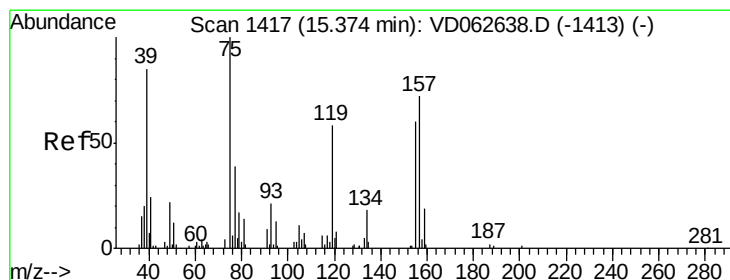
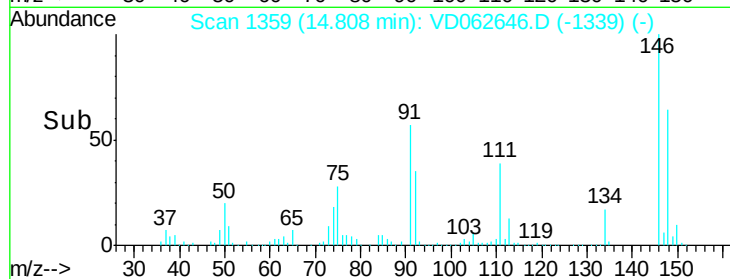
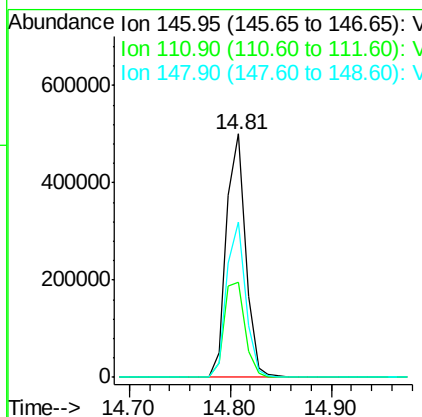
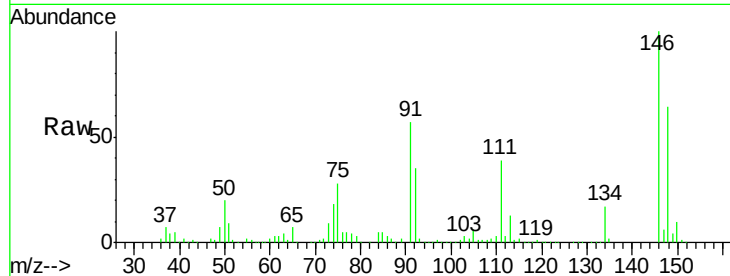
#91
 1,2-Dichlorobenzene
 Concen: 46.693 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VD062646.D
 Acq: 10 Jun 2019 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	18.1	54.3
148	64.0	31.4	94.0

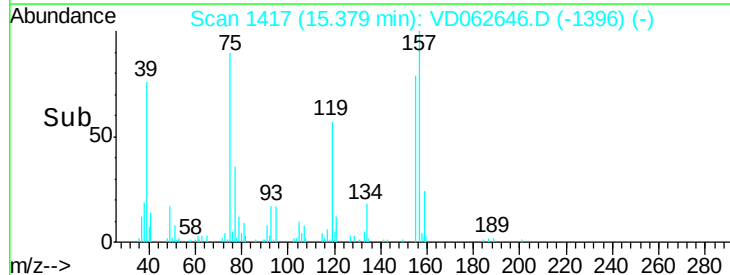
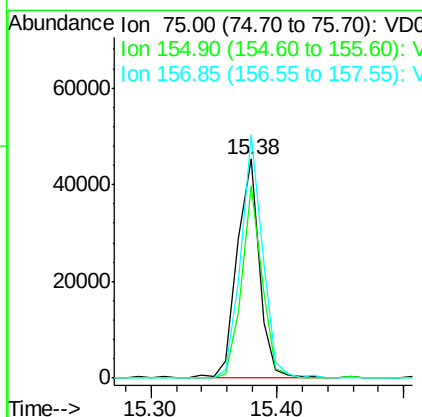
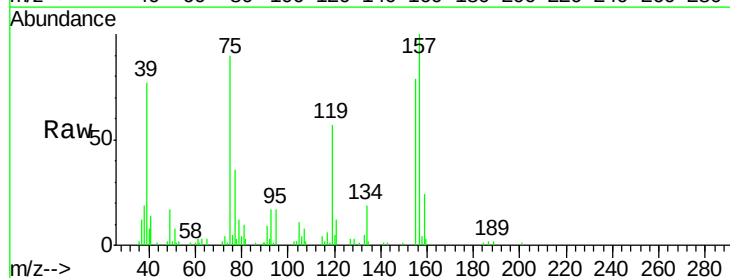
Manual Integrations
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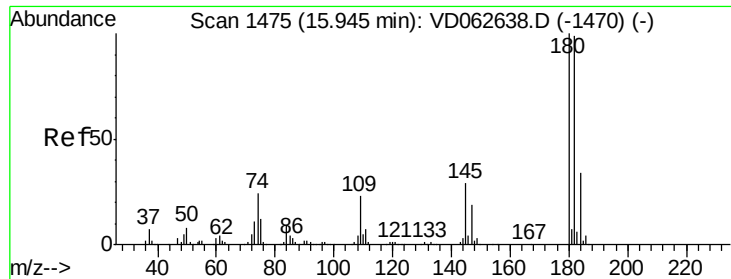
MMDadoda
 6/14/2019 12:38:40 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.522 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.01 min
 Lab File: VD062646.D
 Acq: 10 Jun 2019 11:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.0	30.1	90.5
157	111.2	35.9	107.8





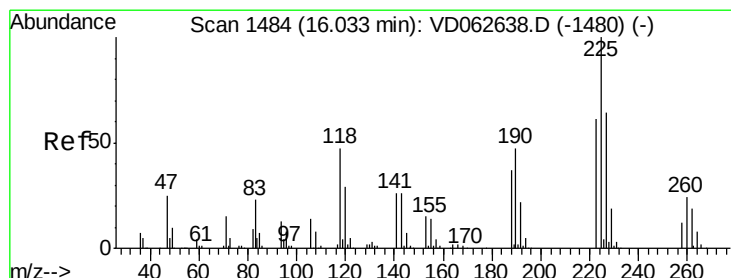
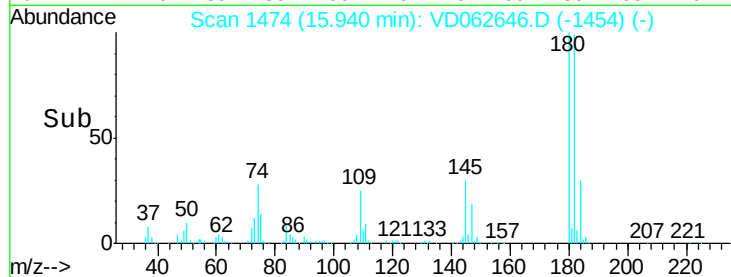
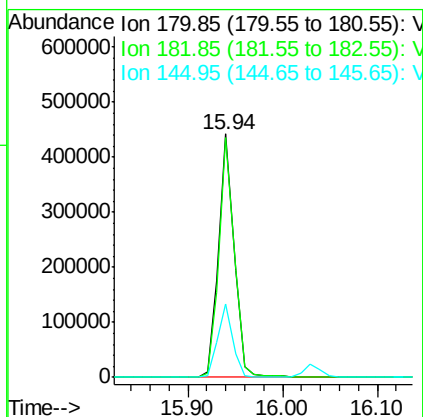
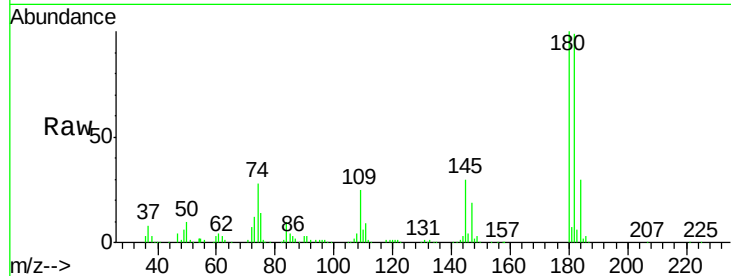
#93
 1,2,4-Trichlorobenzene
 Concen: 42.562 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.00 min
 Lab File: VD062646.D
 Acq: 10 Jun 2019 11:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.7	49.4	148.2
145	30.4	14.5	43.6

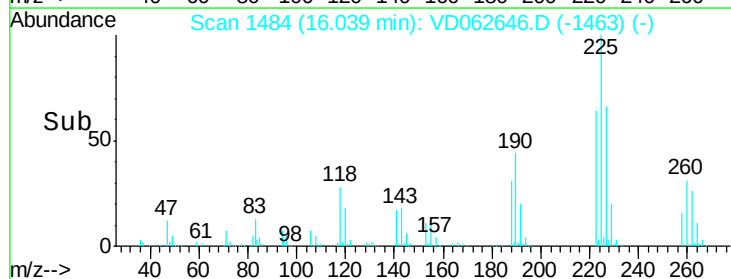
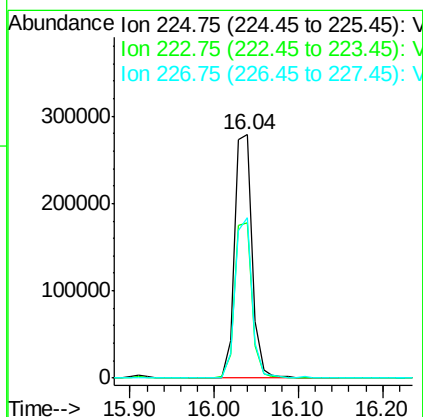
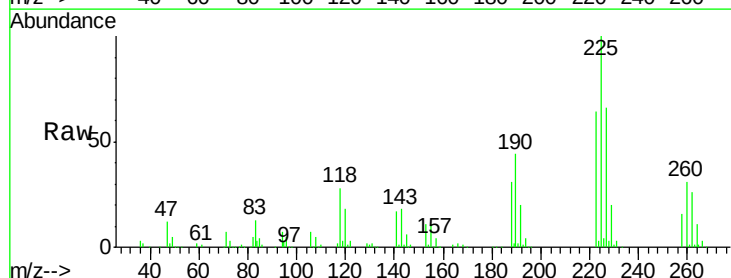
Manual Integrations
 APPROVED

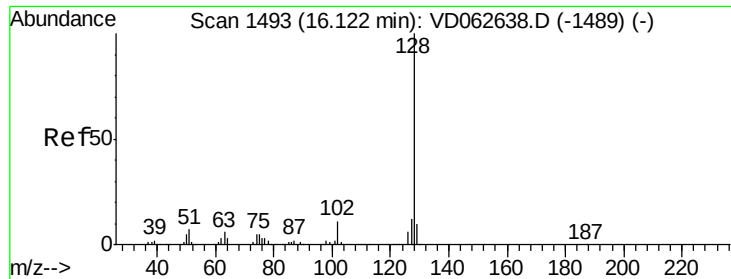
MMDadoda
 6/14/2019 12:38:40 AM



#94
 Hexachlorobutadiene
 Concen: 47.864 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: VD062646.D
 Acq: 10 Jun 2019 11:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	30.3	91.0
227	65.7	31.8	95.4





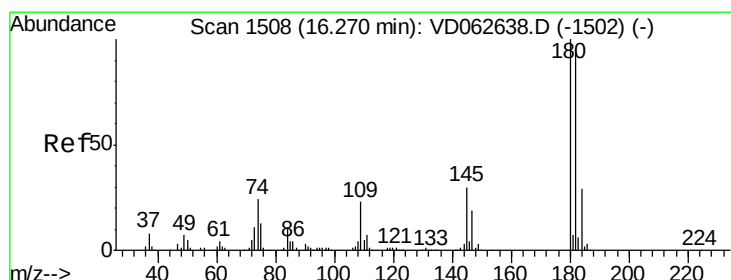
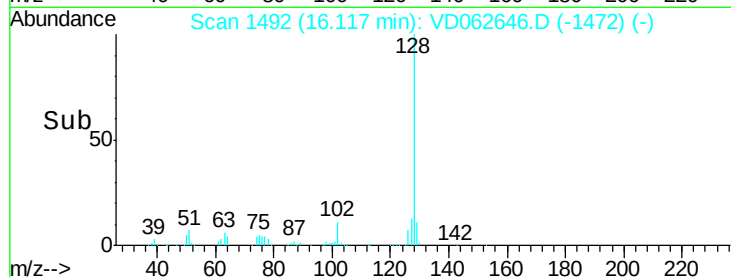
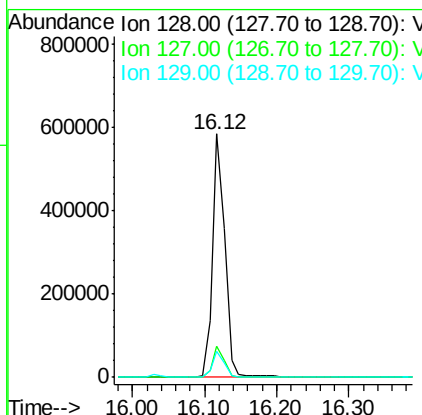
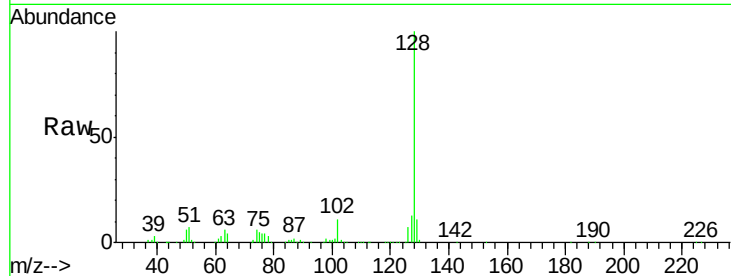
#95
Naphthalene
Concen: 40.731 ug/l
RT: 16.12 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	683923		
127	12.9		9.7	14.5
129	10.6		8.1	12.1

Manual Integrations
APPROVED

MMDadoda
6/14/2019 12:38:40 AM



#96
1,2,3-Trichlorobenzene
Concen: 45.146 ug/l
RT: 16.27 min Scan# 1507
Delta R.T. -0.00 min
Lab File: VD062646.D
Acq: 10 Jun 2019 11:30

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	371323		
182	92.4		47.7	143.1
145	32.8		15.0	45.0

