

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032519\
 Data File : VD061313.D
 Acq On : 25 Mar 2019 20:53
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/26/2019 12:18:56 PM

Quant Time: Mar 26 08:04:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032519S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 03:31:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	734068	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1245031	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	956811	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	455310	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.47	65	300739	47.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.98%	
35) Dibromofluoromethane	6.93	113	477835	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
50) Toluene-d8	10.42	98	1090102	47.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.38%	
62) 4-Bromofluorobenzene	13.56	95	418234	46.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.82%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.60	85	391332	52.141	ug/l	100
3) Chloromethane	1.77	50	279841	47.798	ug/l	100
4) Vinyl Chloride	1.86	62	273332	49.931	ug/l	98
5) Bromomethane	2.17	94	52325	47.094	ug/l	98
6) Chloroethane	2.29	64	100894	58.585	ug/l	97
7) Trichlorofluoromethane	2.55	101	395274	48.849	ug/l	100
8) Diethyl Ether	2.89	74	148434	61.695	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.16	101	424801	51.578	ug/l	94
10) Methyl Iodide	3.33	142	658283	57.211	ug/l	96
11) Tert butyl alcohol	4.07	59	112994	335.153	ug/l	99
12) 1,1-Dichloroethene	3.14	96	367449	51.849	ug/l	97
13) Acrolein	3.05	56	90829	246.128	ug/l	100
14) Allyl chloride	3.64	41	532833	53.001	ug/l	99
15) Acrylonitrile	4.21	53	379082	319.721	ug/l	97
16) Acetone	3.23	43	420950	277.874	ug/l	94
17) Carbon Disulfide	3.40	76	1254871	53.316	ug/l	99
18) Methyl Acetate	3.66	43	170851	59.666	ug/l	94
19) Methyl tert-butyl Ether	4.25	73	733142	58.742	ug/l	98
20) Methylene Chloride	3.83	84	436326	50.747	ug/l	98
21) trans-1,2-Dichloroethene	4.24	96	413184	52.116	ug/l	93
22) Diisopropyl ether	5.13	45	1162928	54.912	ug/l	98
23) Vinyl Acetate	5.07	43	3440942	304.209	ug/l	99
24) 1,1-Dichloroethane	5.00	63	698349	56.586	ug/l	98
25) 2-Butanone	6.08	43	538946	307.584	ug/l	98
26) 2,2-Dichloropropane	6.04	77	501861	47.890	ug/l	97
27) cis-1,2-Dichloroethene	6.05	96	458399	53.728	ug/l	99
28) Bromochloromethane	6.45	49	265524	51.402	ug/l	92
29) Tetrahydrofuran	6.46	42	270489	310.140	ug/l	99
30) Chloroform	6.68	83	721259	54.843	ug/l	98
31) Cyclohexane	6.96	56	544508	54.359	ug/l	98
32) 1,1,1-Trichloroethane	6.88	97	618099	53.067	ug/l	100
36) 1,1-Dichloropropene	7.16	75	507414	49.813	ug/l	99
37) Ethyl Acetate	6.19	43	276763	65.049	ug/l	97
38) Carbon Tetrachloride	7.12	117	584863m	50.236	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	537346	50.934	ug/l	97
40) Benzene	7.47	78	1331462	52.630	ug/l	99
41) Methacrylonitrile	6.45	41	294267	59.519	ug/l #	96
42) 1,2-Dichloroethane	7.58	62	444887	56.426	ug/l	98
43) Isopropyl Acetate	9.25	43	357298	58.242	ug/l #	98
44) Trichloroethene	8.55	130	511065	55.858	ug/l	100
45) 1,2-Dichloropropane	8.94	63	359305	57.545	ug/l	98
46) Dibromomethane	9.07	93	249107	58.204	ug/l	98
47) Bromodichloromethane	9.38	83	576054	57.424	ug/l	99
48) Methyl methacrylate	9.13	41	203915	62.277	ug/l	96
49) 1,4-Dioxane	9.09	88	49881	1388.446	ug/l	94
51) 4-Methyl-2-Pentanone	10.30	43	1100447	301.331	ug/l	99
52) Toluene	10.52	92	807246	52.149	ug/l	98
53) t-1,3-Dichloropropene	10.92	75	512993	58.843	ug/l	100
54) cis-1,3-Dichloropropene	10.04	75	612149	57.503	ug/l	99
55) 1,1,2-Trichloroethane	11.20	97	285345	55.524	ug/l	99
56) Ethyl methacrylate	11.05	69	348009	63.460	ug/l	98
57) 1,3-Dichloropropane	11.41	76	442776	57.048	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.86	63	748985	262.531	ug/l	95
59) 2-Hexanone	11.53	43	828853	312.494	ug/l	97
60) Dibromochloromethane	11.69	129	483830	60.110	ug/l	100
61) 1,2-Dibromoethane	11.81	107	363902	60.604	ug/l	100
64) Tetrachloroethene	11.26	164	368738	55.944	ug/l	96
65) Chlorobenzene	12.40	112	1000864	56.791	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.52	131	388192	56.813	ug/l	99
67) Ethyl Benzene	12.53	91	1401384	51.959	ug/l	98
68) m/p-Xylenes	12.67	106	1114938	105.900	ug/l	98
69) o-Xylene	13.05	106	536543	54.948	ug/l	94
70) Styrene	13.08	104	986719	59.543	ug/l	96
71) Bromoform	13.23	173	265293	63.449	ug/l #	96
73) Isopropylbenzene	13.40	105	1430768	48.313	ug/l	97
74) N-amyl acetate	13.26	43	411463	53.106	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	337571	58.781	ug/l	97
76) 1,2,3-Trichloropropane	13.74	75	341941	60.389	ug/l	99
77) Bromobenzene	13.67	156	416816	50.388	ug/l	93
78) n-propylbenzene	13.78	91	1839473	55.056	ug/l	96
79) 2-Chlorotoluene	13.84	91	1074092	55.214	ug/l	96
80) 1,3,5-Trimethylbenzene	14.24	105	1223417	52.367	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	108163	60.529	ug/l	97
82) 4-Chlorotoluene	13.95	91	1031737	48.514	ug/l	93
83) tert-Butylbenzene	14.19	119	1474132	55.264	ug/l	96
84) 1,2,4-Trimethylbenzene	14.24	105	1223417	52.367	ug/l	99
85) sec-Butylbenzene	14.37	105	1487487	50.073	ug/l	98
86) p-Isopropyltoluene	14.49	119	1294375	48.839	ug/l	97
87) 1,3-Dichlorobenzene	14.45	146	764253	52.122	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	761275	53.598	ug/l	96
89) n-Butylbenzene	14.80	91	1197140	50.877	ug/l	97
90) Hexachloroethane	15.01	117	366695	51.605	ug/l	87
91) 1,2-Dichlorobenzene	14.81	146	634574	54.238	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.38	75	45562	63.490	ug/l	78

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VSTDCCC050EC

Manual Integrations
APPROVED

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Quant Title : SW846 8260
QLast Update : Tue Mar 26 03:31:57 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	304423	56.339	ug/l	98
94) Hexachlorobutadiene	16.04	225	236285	54.270	ug/l	99
95) Naphthalene	16.13	128	476362	60.420	ug/l	100
96) 1,2,3-Trichlorobenzene	16.28	180	123548	48.955	ug/l	95

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

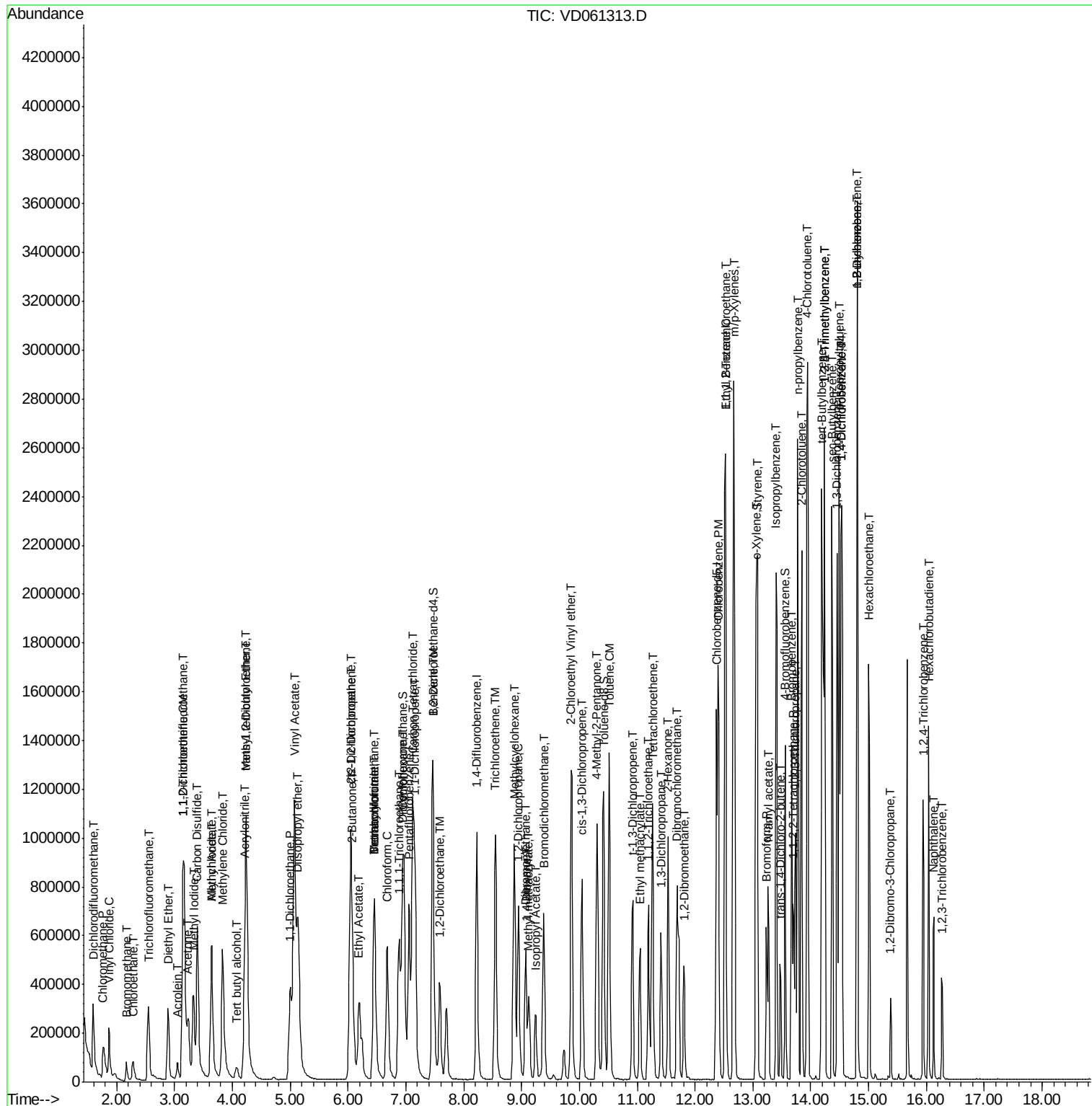
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 Data File : VD061313.D
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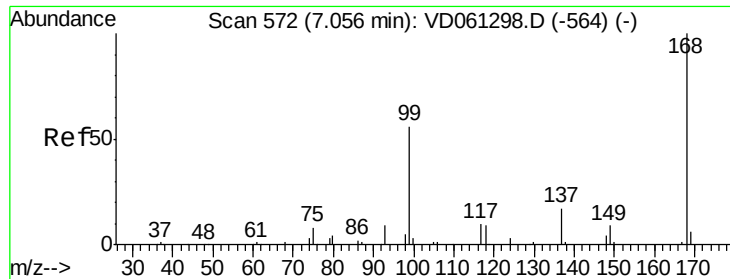
Instrument :
 MSVOA_D
 ClientSampleID :
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Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.01 min

Lab File: VD061313.D

Acq: 25 Mar 2019 20:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 734068

Ion Ratio Lower Upper

168 100

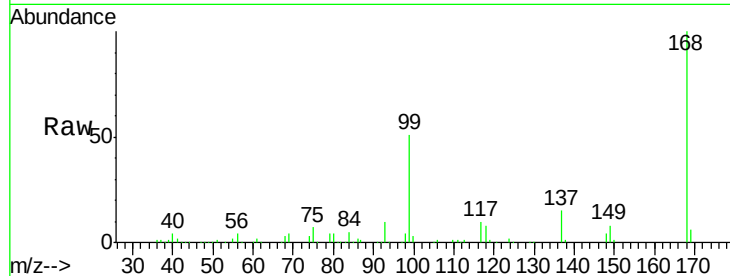
99 51.0 45.8 68.8

Manual Integrations

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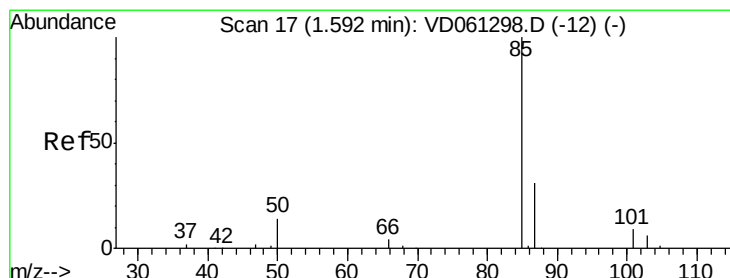
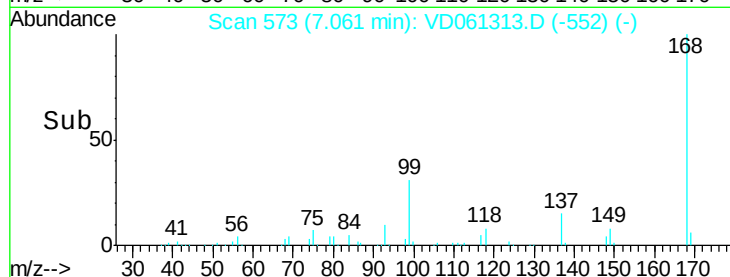
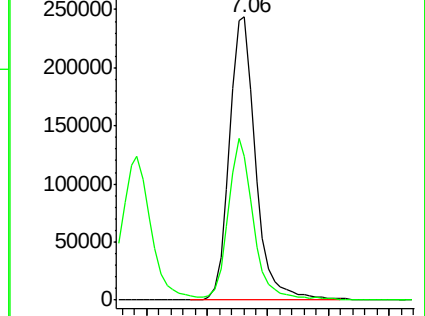
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 52.141 ug/l

RT: 1.60 min Scan# 18

Delta R.T. 0.01 min

Lab File: VD061313.D

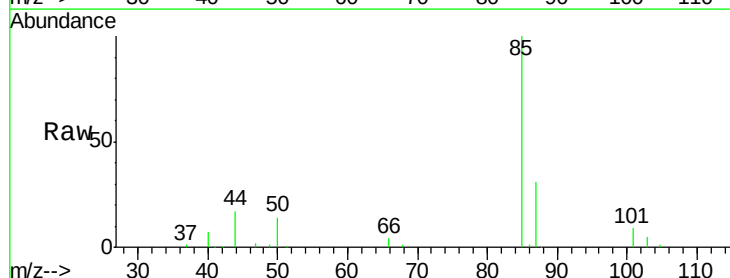
Acq: 25 Mar 2019 20:53

Tgt Ion: 85 Resp: 391332

Ion Ratio Lower Upper

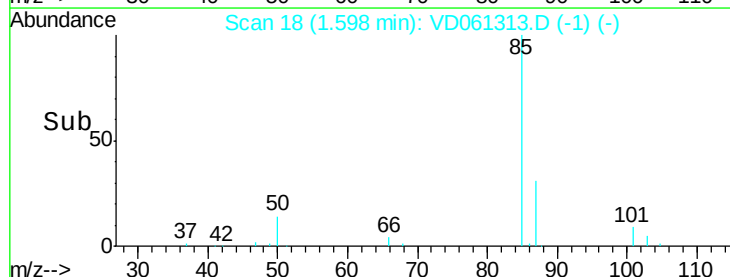
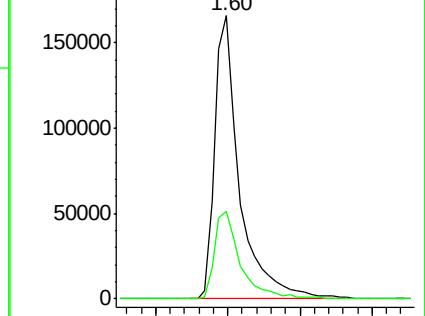
85 100

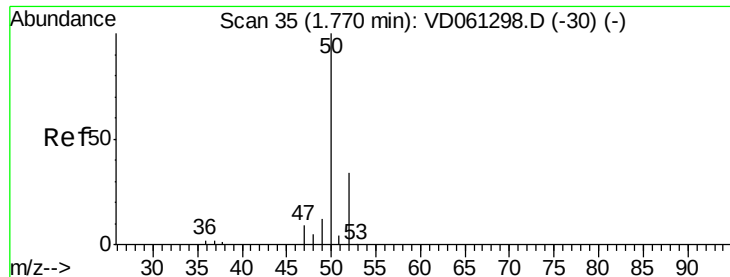
87 30.8 15.4 46.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 47.798 ug/l

RT: 1.77 min Scan# 35

Delta R.T. -0.00 min

Lab File: VD061313.D

Acq: 25 Mar 2019 20:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 279841

Ion Ratio Lower Upper

50 100

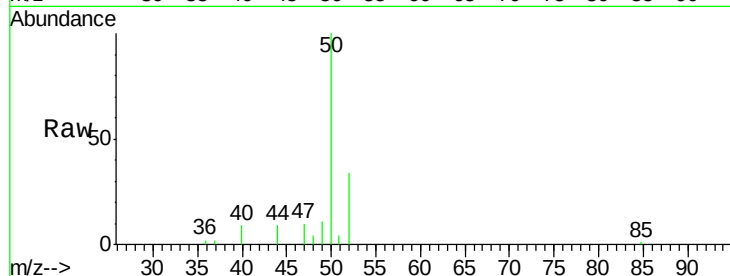
52 33.9 27.1 40.7

Manual Integrations

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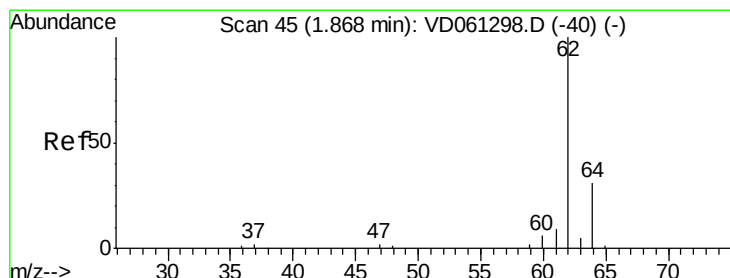
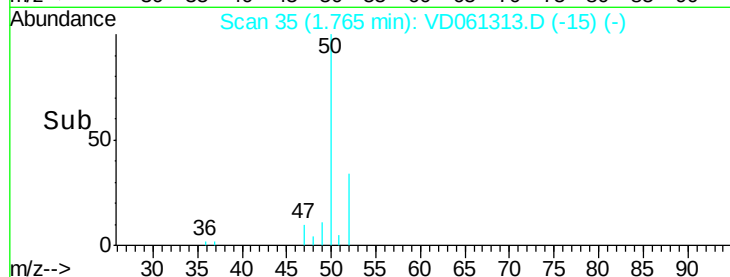
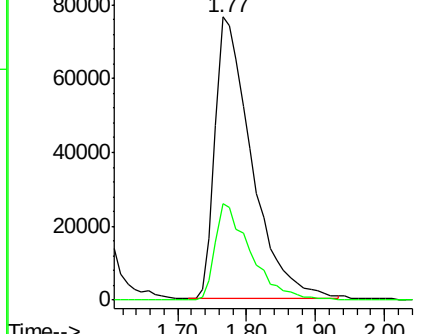
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 49.931 ug/l

RT: 1.86 min Scan# 45

Delta R.T. -0.00 min

Lab File: VD061313.D

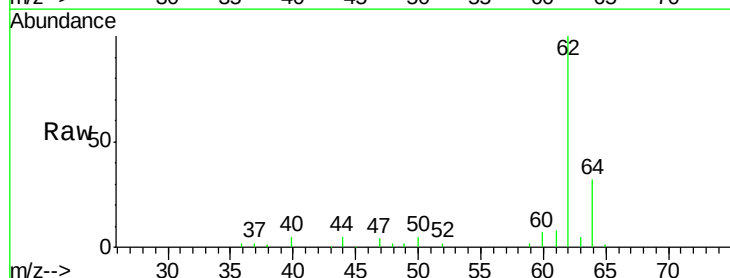
Acq: 25 Mar 2019 20:53

Tgt Ion: 62 Resp: 273332

Ion Ratio Lower Upper

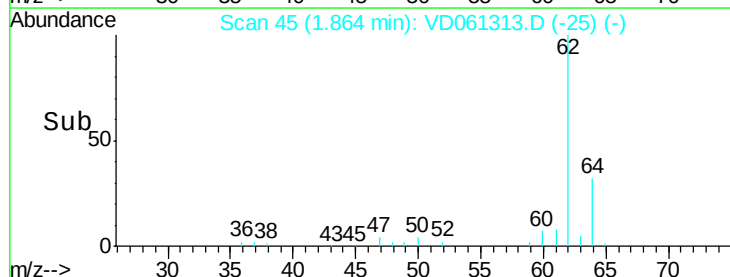
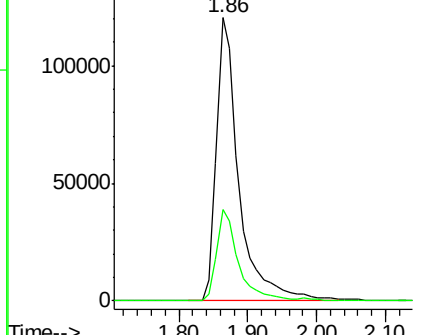
62 100

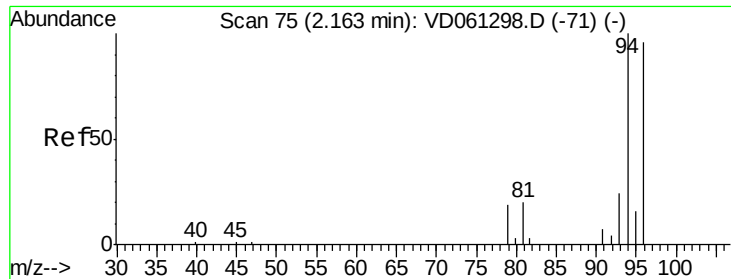
64 32.3 25.1 37.7



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 47.094 ug/l

RT: 2.17 min Scan# 76

Delta R.T. 0.01 min

Lab File: VD061313.D

Acq: 25 Mar 2019 20:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 52325

Ion Ratio Lower Upper

94 100

96 97.7 76.9 115.3

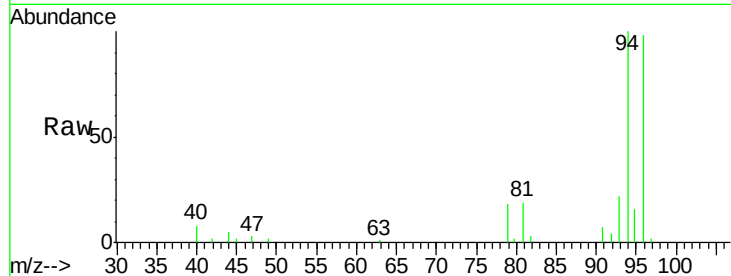
93 22.0 18.8 28.2

Manual Integrations

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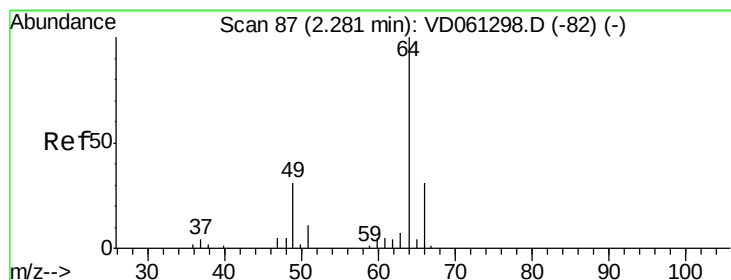
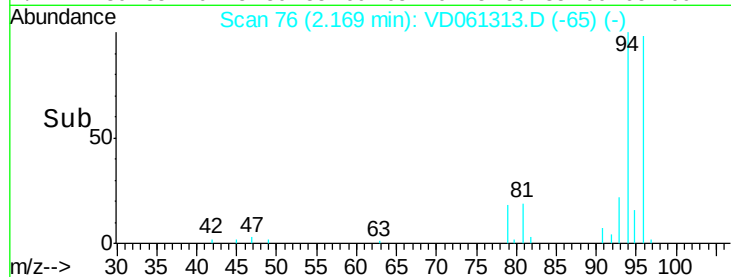
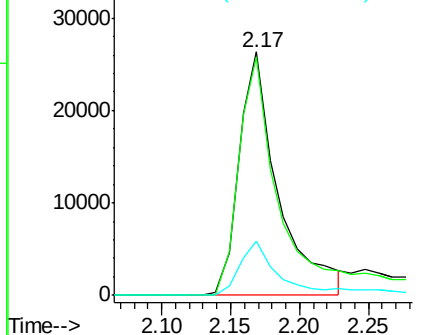
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Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 58.585 ug/l

RT: 2.29 min Scan# 88

Delta R.T. 0.01 min

Lab File: VD061313.D

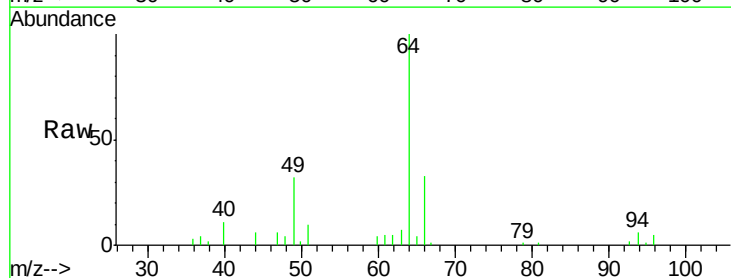
Acq: 25 Mar 2019 20:53

Tgt Ion: 64 Resp: 100894

Ion Ratio Lower Upper

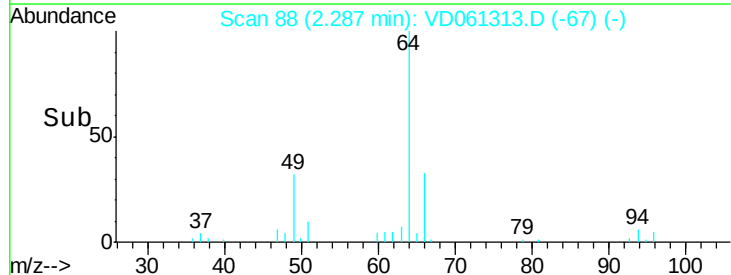
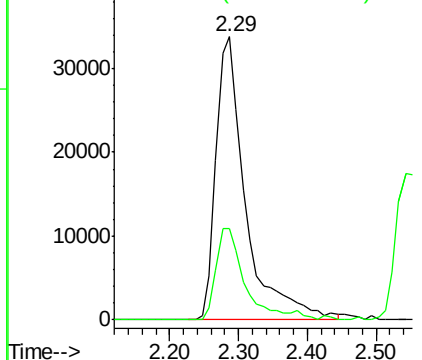
64 100

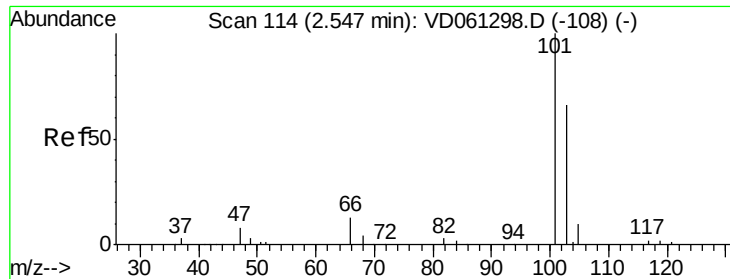
66 32.5 24.6 36.8



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

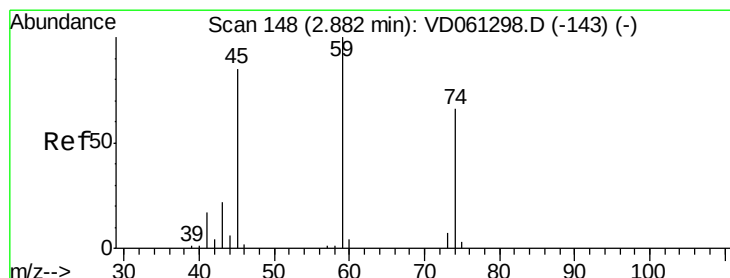
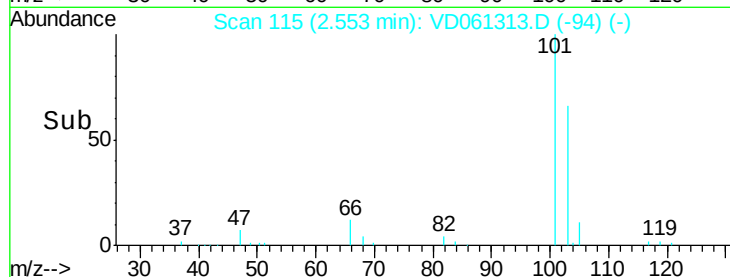
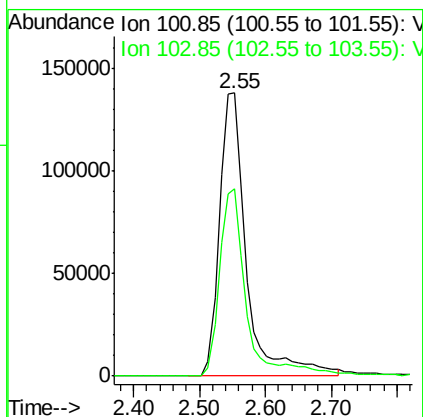
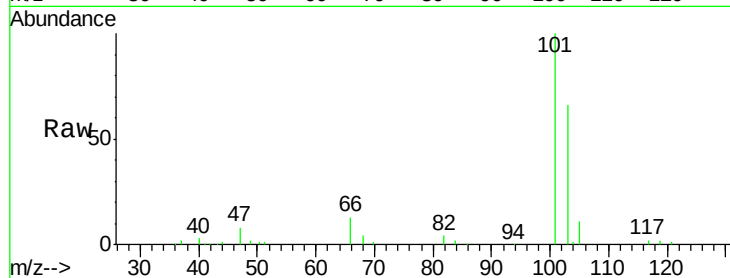
Trichlorofluoromethane
 Concen: 48.849 ug/l
 RT: 2.55 min Scan# 115
 Delta R.T. 0.01 min
 Lab File: VD061313.D
 Acq: 25 Mar 2019 20:53

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.2	52.6	79.0

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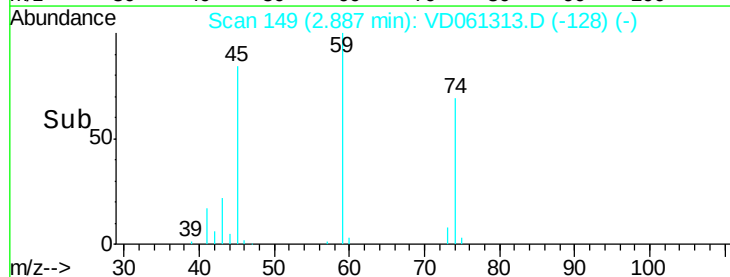
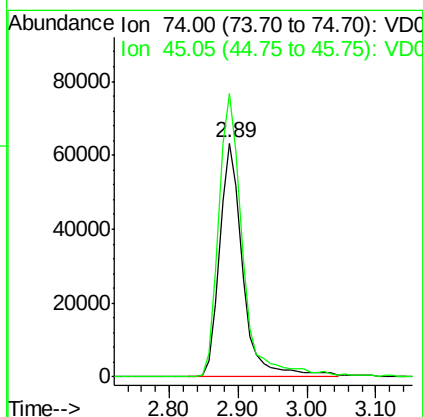
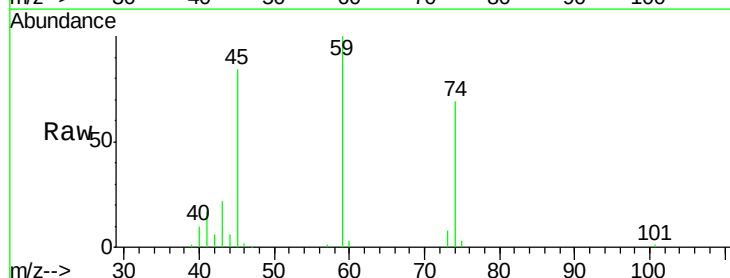
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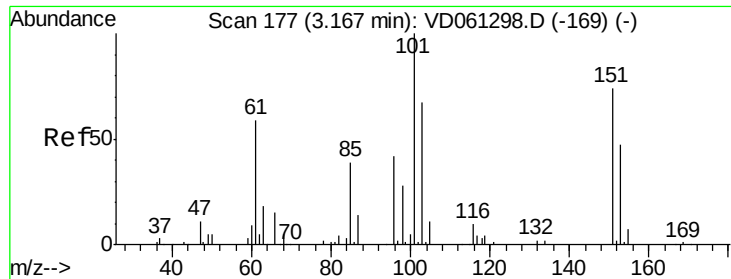


#8

Diethyl Ether
 Concen: 61.695 ug/l
 RT: 2.89 min Scan# 149
 Delta R.T. 0.01 min
 Lab File: VD061313.D
 Acq: 25 Mar 2019 20:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	121.0	64.3	192.9





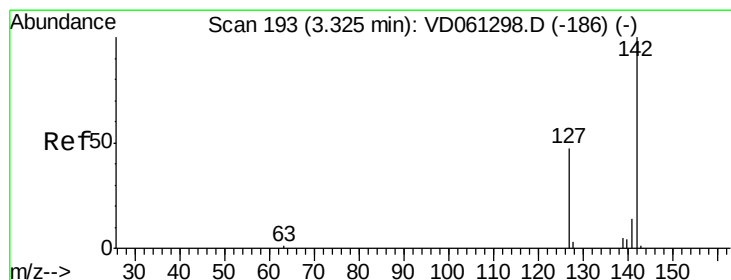
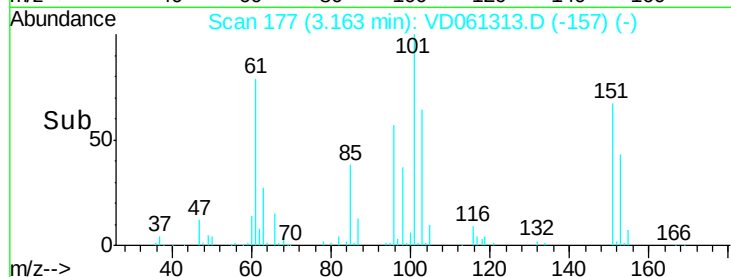
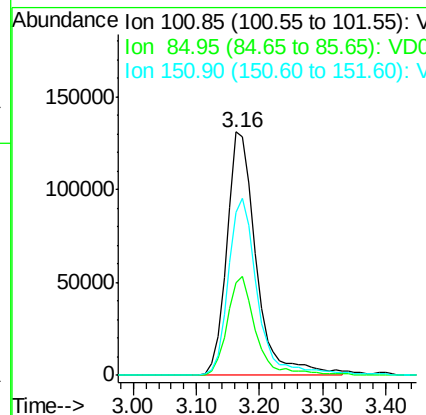
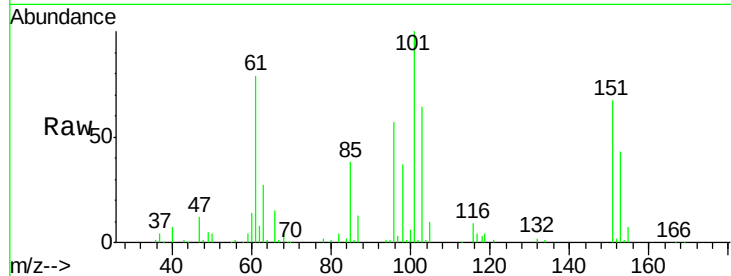
#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.578 ug/l
RT: 3.16 min Scan# 177
Delta R.T. -0.00 min
Lab File: VD061313.D
Acq: 25 Mar 2019 20:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
101	100	424801		
85	38.1	31.6	47.4	
151	66.7	59.3	88.9	

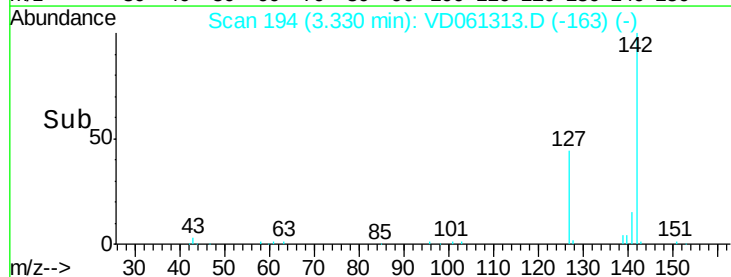
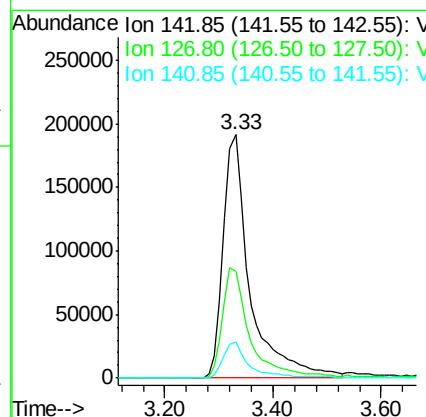
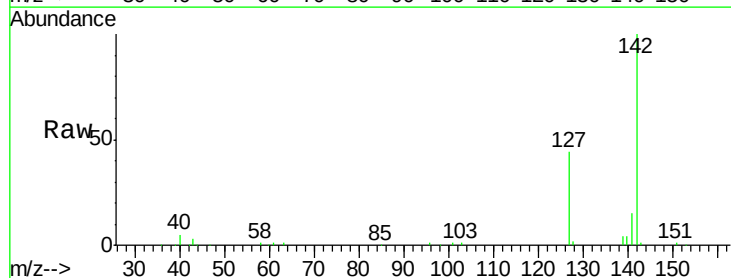
Manual Integrations
APPROVED

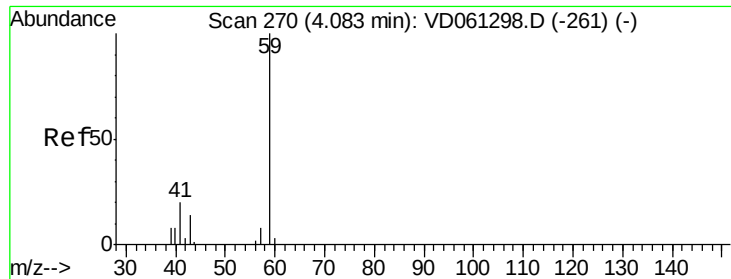
MMDadoda
3/26/2019 12:18:56 PM



#10
Methyl Iodide
Concen: 57.211 ug/l
RT: 3.33 min Scan# 194
Delta R.T. 0.01 min
Lab File: VD061313.D
Acq: 25 Mar 2019 20:53

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	658283		
127	43.9	37.8	56.6	
141	14.7	11.6	17.4	





#11

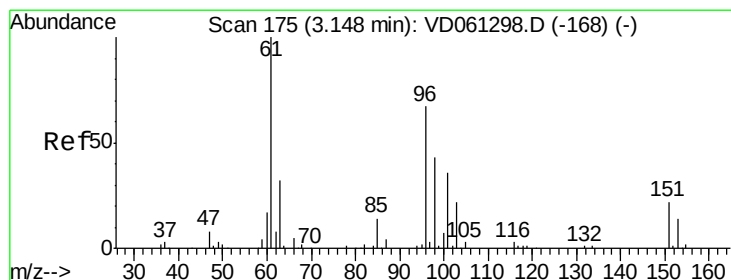
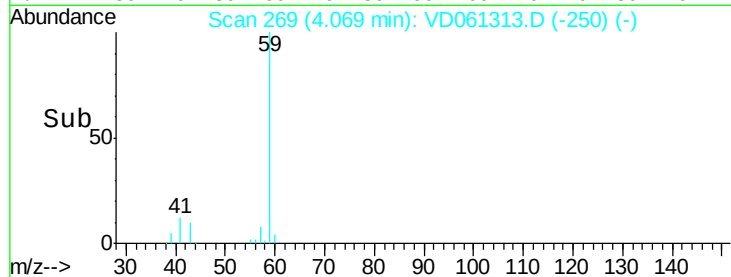
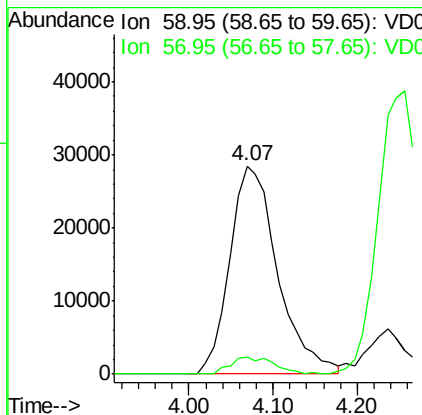
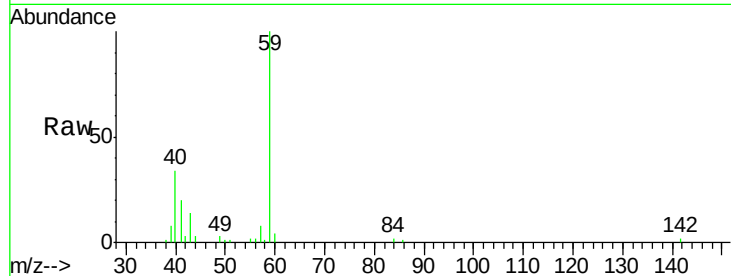
Tert butyl alcohol
Concen: 335.153 ug/l
RT: 4.07 min Scan# 269
Delta R.T. -0.01 min
Lab File: VD061313.D
Acq: 25 Mar 2019 20:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.4	6.6	9.8

Manual Integrations
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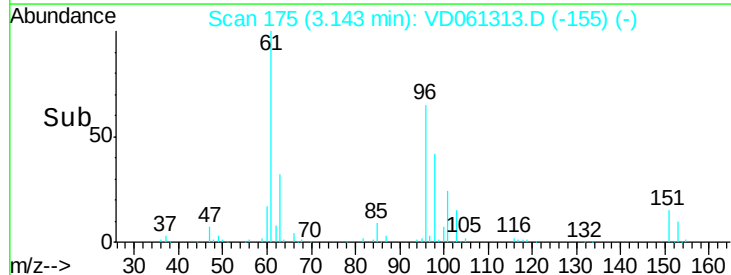
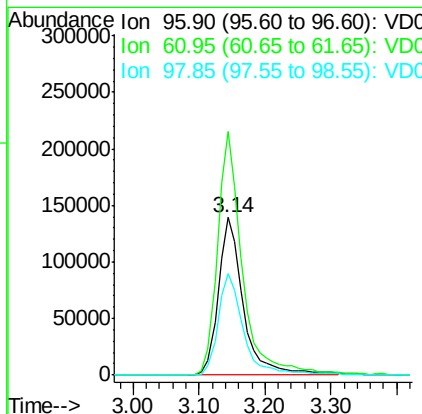
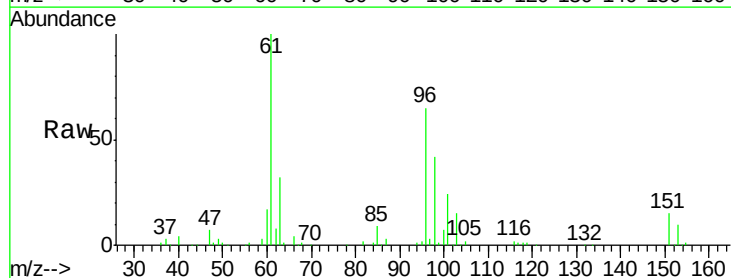
MMDadoda
3/26/2019 12:18:56 PM

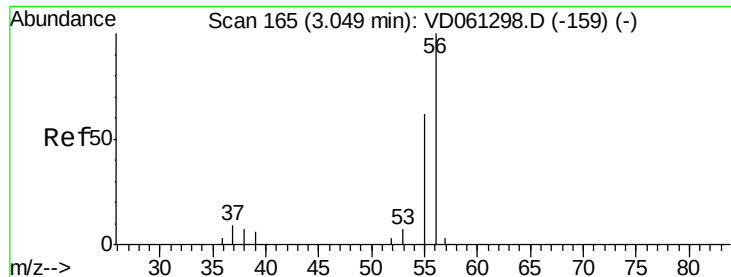


#12

1,1-Dichloroethene
Concen: 51.849 ug/l
RT: 3.14 min Scan# 175
Delta R.T. -0.00 min
Lab File: VD061313.D
Acq: 25 Mar 2019 20:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.5	120.2	180.2
98	64.3	52.2	78.4





#13

Acrolein

Concen: 246.128 ug/l

RT: 3.05 min Scan# 166

Delta R.T. 0.01 min

Lab File: VD061313.D

Acq: 25 Mar 2019 20:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 90829

Ion Ratio Lower Upper

56 100

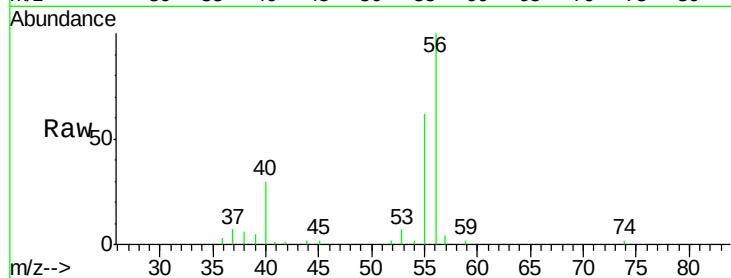
55 61.8 49.8 74.6

Manual Integrations

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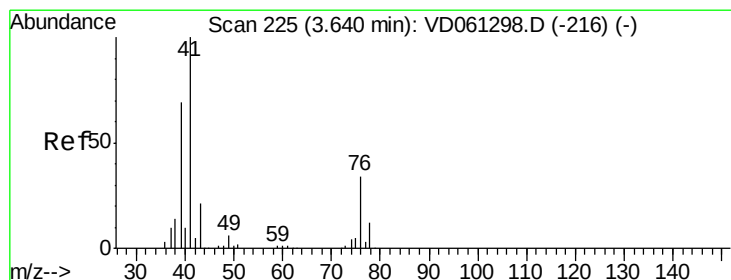
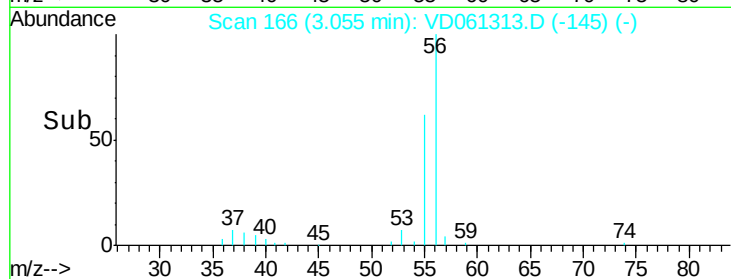
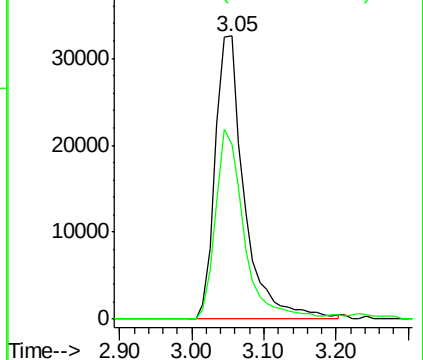
MMDadoda

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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 53.001 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.00 min

Lab File: VD061313.D

Acq: 25 Mar 2019 20:53

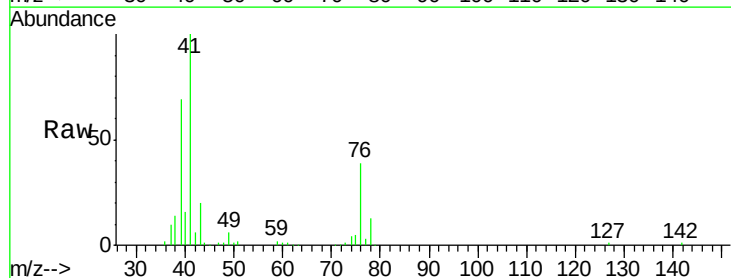
Tgt Ion: 41 Resp: 532833

Ion Ratio Lower Upper

41 100

39 69.4 55.1 82.7

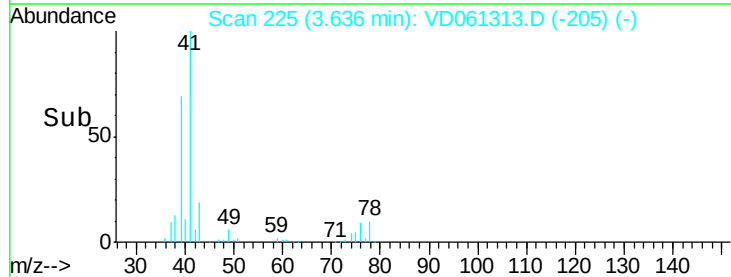
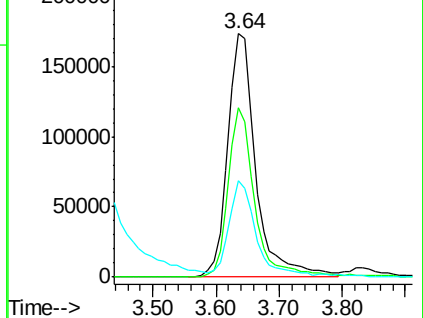
76 39.4 30.2 45.2

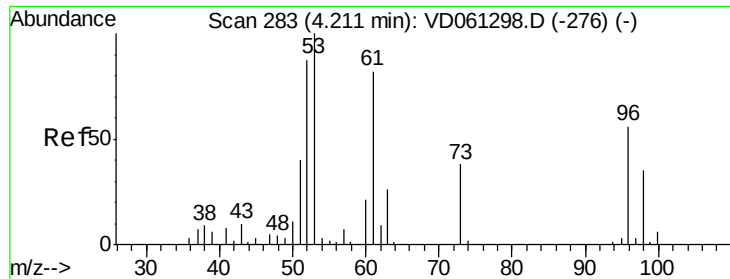


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 319.721 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.00 min

Lab File: VD061313.D

Acq: 25 Mar 2019 20:53

Instrument :

MSVOA_D

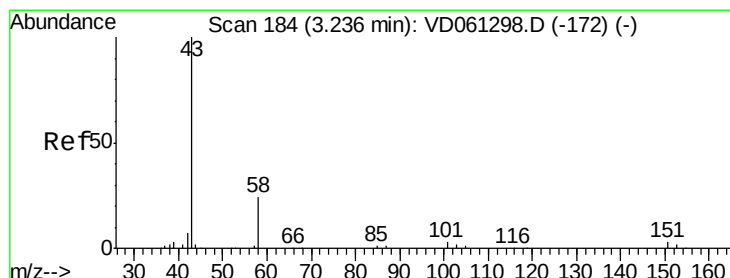
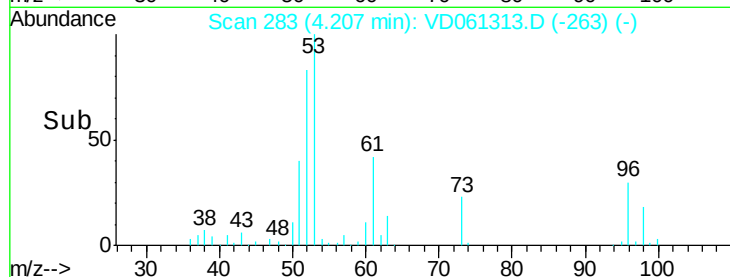
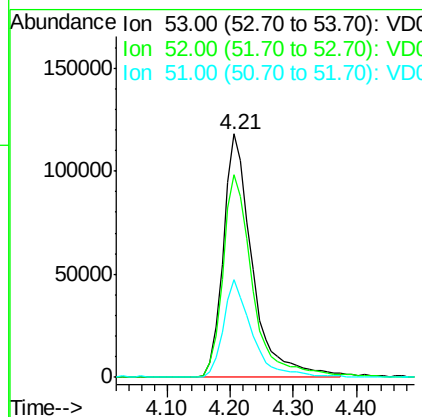
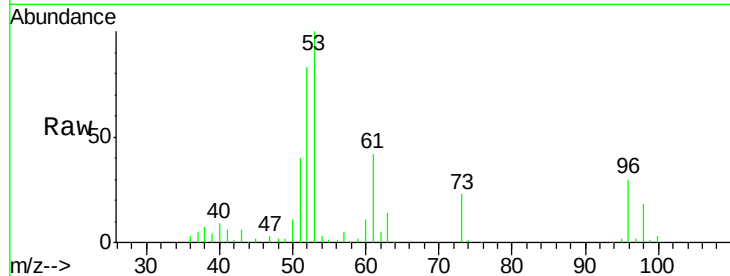
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	379082
Ion	Ratio	Lower	Upper
53	100		
52	83.5	69.4	104.2
51	40.1	31.7	47.5

Manual Integrations
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#16

Acetone

Concen: 277.874 ug/l

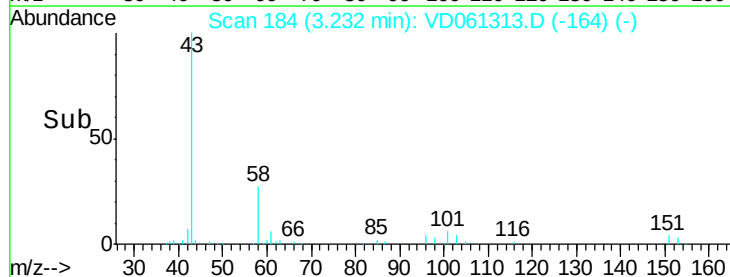
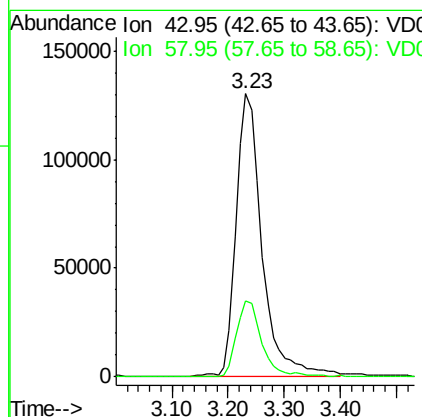
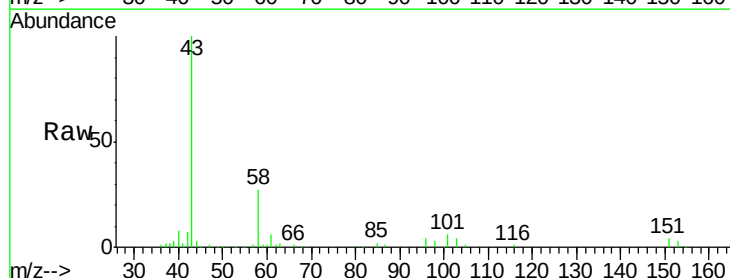
RT: 3.23 min Scan# 184

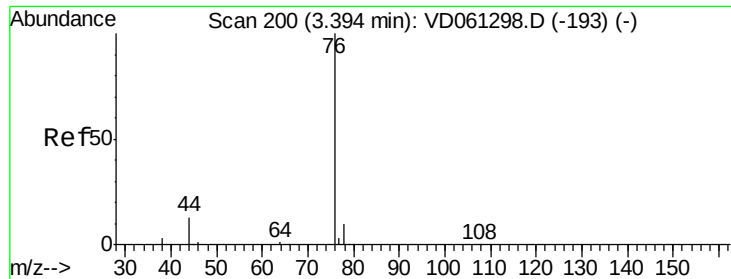
Delta R.T. -0.00 min

Lab File: VD061313.D

Acq: 25 Mar 2019 20:53

Tgt Ion:	43	Resp:	420950
Ion	Ratio	Lower	Upper
43	100		
58	27.1	19.4	29.0





#17

Carbon Disulfide

Concen: 53.316 ug/l

RT: 3.40 min Scan# 201

Delta R.T. 0.01 min

Lab File: VD061313.D

Acq: 25 Mar 2019 20:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 1254871

Ion Ratio Lower Upper

76 100

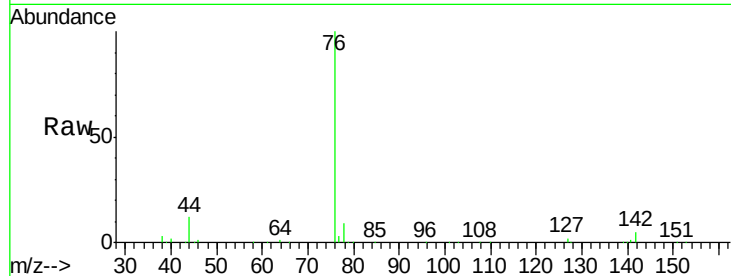
78 9.5 7.8 11.6

Manual Integrations

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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.40

400000

300000

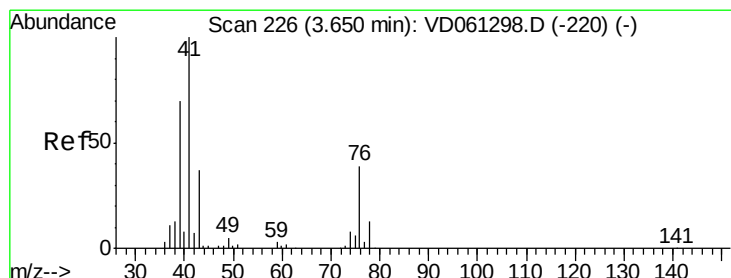
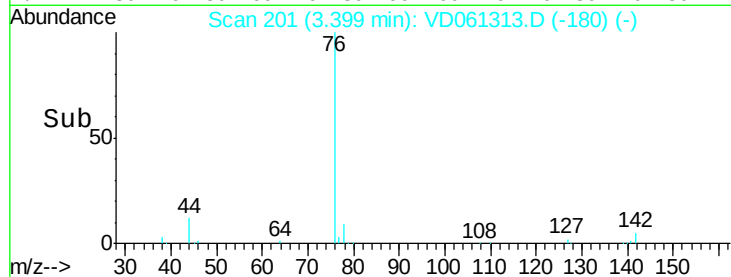
200000

100000

0

3.30 3.40 3.50 3.60

Time-->



#18

Methyl Acetate

Concen: 59.666 ug/l

RT: 3.66 min Scan# 227

Delta R.T. 0.01 min

Lab File: VD061313.D

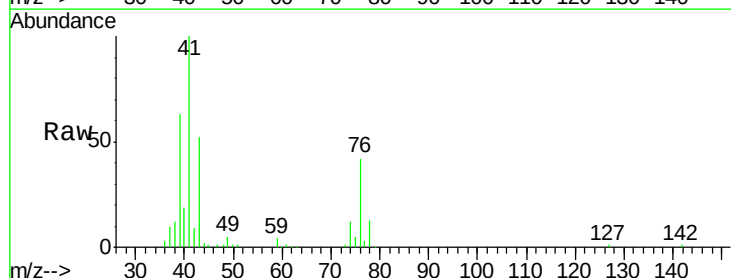
Acq: 25 Mar 2019 20:53

Tgt Ion: 43 Resp: 170851

Ion Ratio Lower Upper

43 100

74 23.7 16.6 25.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.66

60000

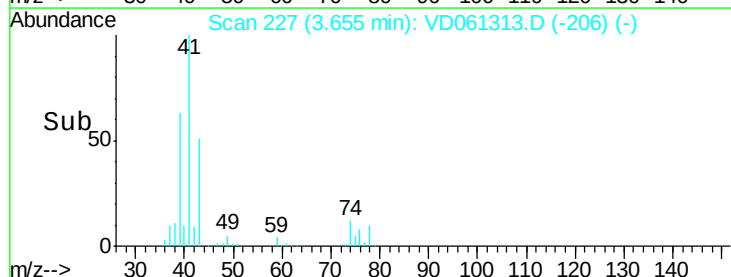
40000

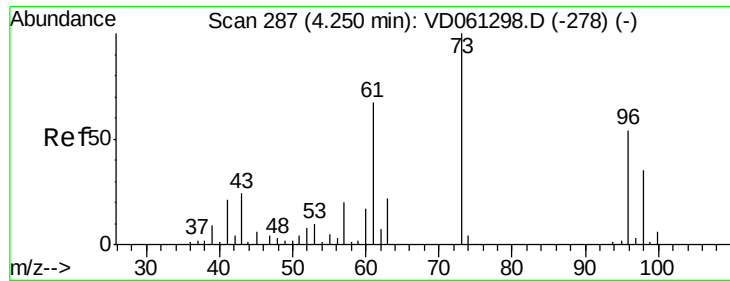
20000

0

3.50 3.60 3.70 3.80

Time-->





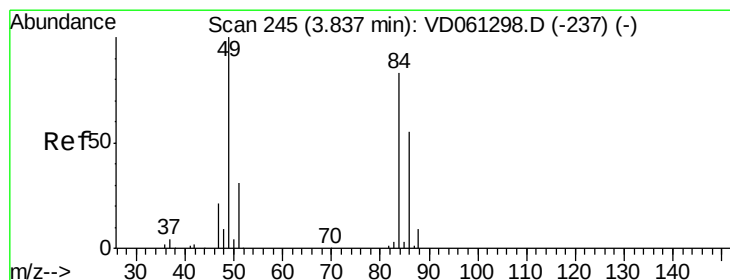
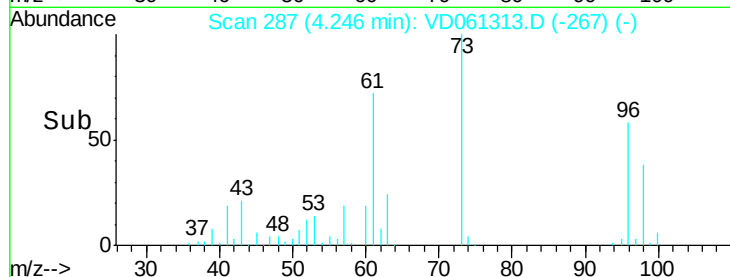
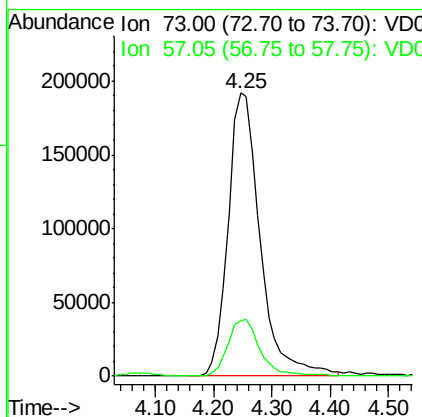
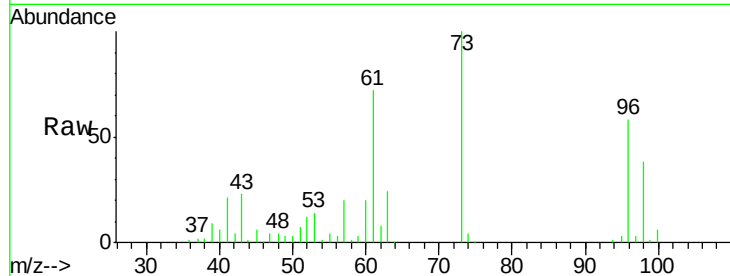
#19
Methyl tert-butyl Ether
Concen: 58.742 ug/l
RT: 4.25 min Scan# 287
Delta R.T. -0.00 min
Lab File: VD061313.D
Acq: 25 Mar 2019 20:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 733142
Ion Ratio Lower Upper
73 100
57 19.6 16.3 24.5

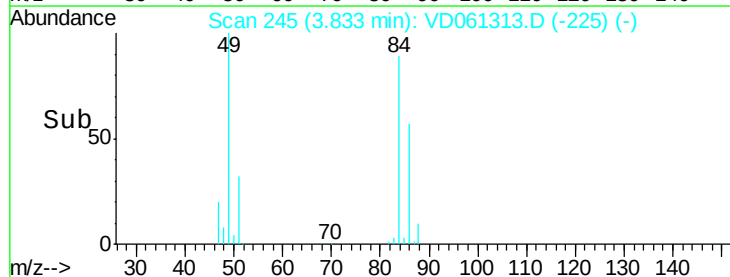
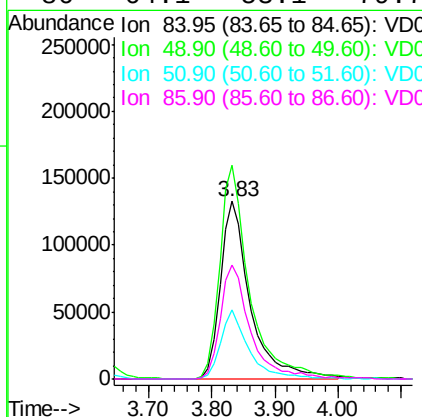
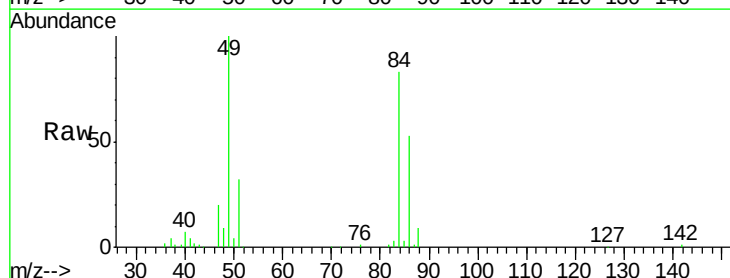
Manual Integrations
APPROVED

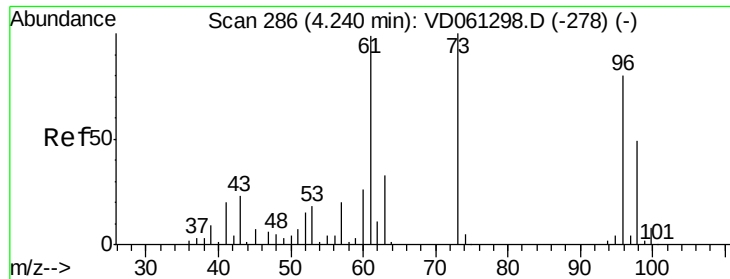
MMDadoda
3/26/2019 12:18:56 PM



#20
Methylene Chloride
Concen: 50.747 ug/l
RT: 3.83 min Scan# 245
Delta R.T. -0.00 min
Lab File: VD061313.D
Acq: 25 Mar 2019 20:53

Tgt Ion: 84 Resp: 436326
Ion Ratio Lower Upper
84 100
49 120.1 96.8 145.2
51 38.7 29.9 44.9
86 64.1 53.1 79.7





#21

trans-1,2-Dichloroethene

Concen: 52.116 ug/l

RT: 4.24 min Scan# 286

Delta R.T. -0.00 min

Lab File: VD061313.D

Acq: 25 Mar 2019 20:53

Instrument :

MSVOA_D

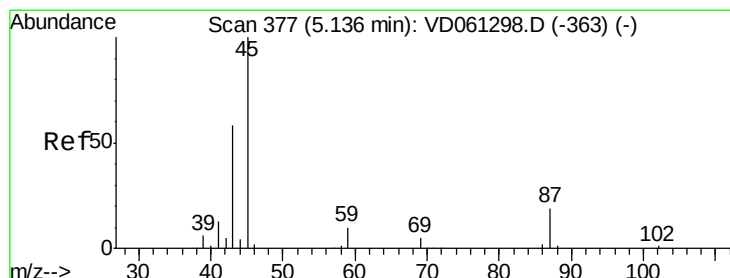
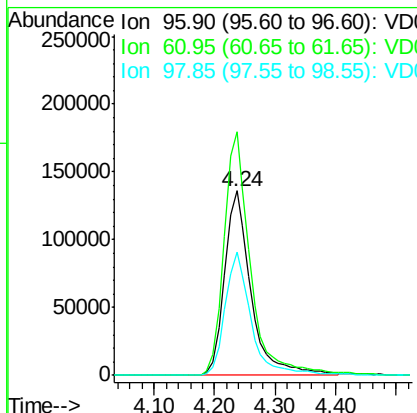
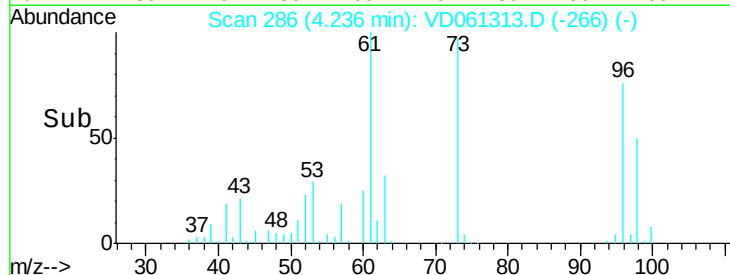
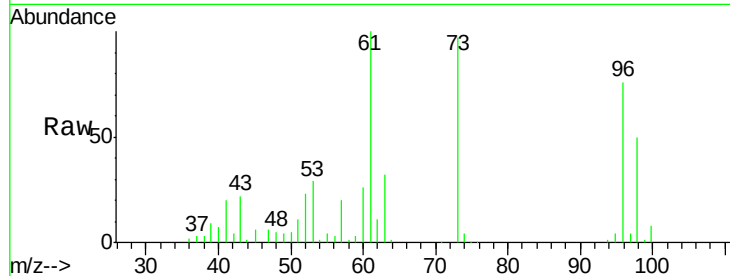
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	413184
Ion	Ratio	Lower	Upper
96	100		
61	132.0	99.2	148.8
98	66.6	49.2	73.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 54.912 ug/l

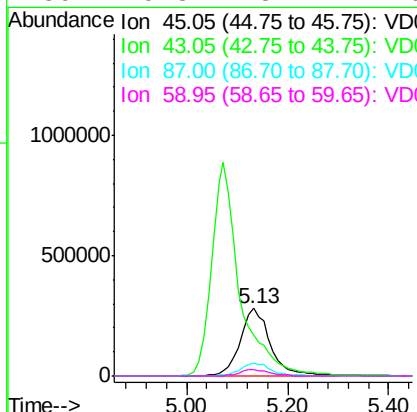
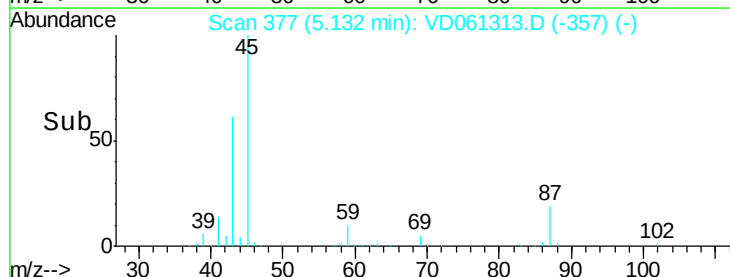
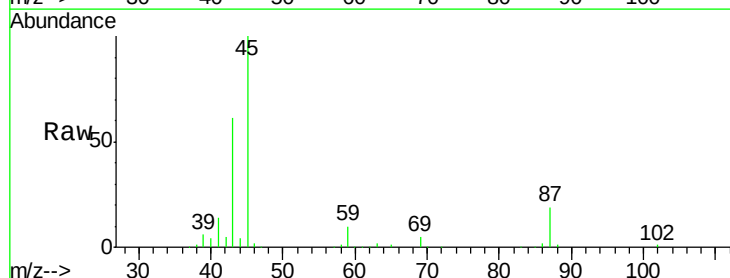
RT: 5.13 min Scan# 377

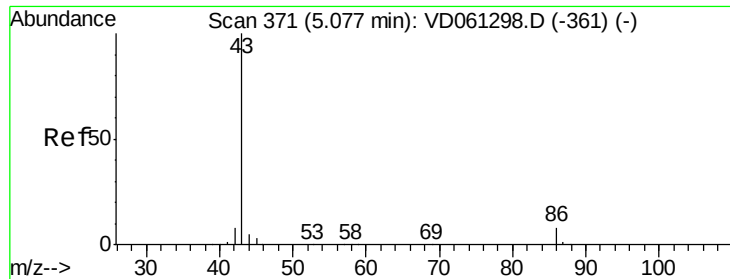
Delta R.T. -0.00 min

Lab File: VD061313.D

Acq: 25 Mar 2019 20:53

Tgt Ion:	45	Resp:	1162928
Ion	Ratio	Lower	Upper
45	100		
43	60.9	46.7	70.1
87	19.5	15.5	23.3
59	9.8	8.4	12.6





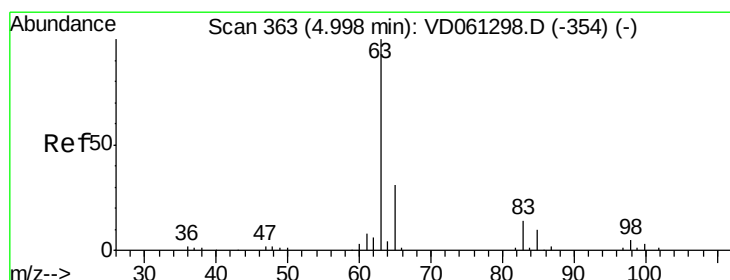
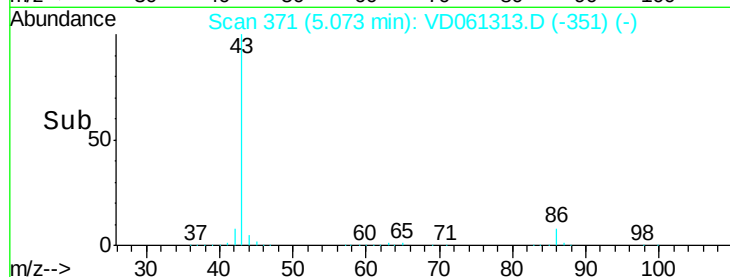
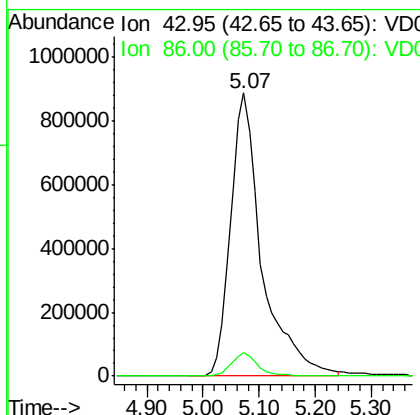
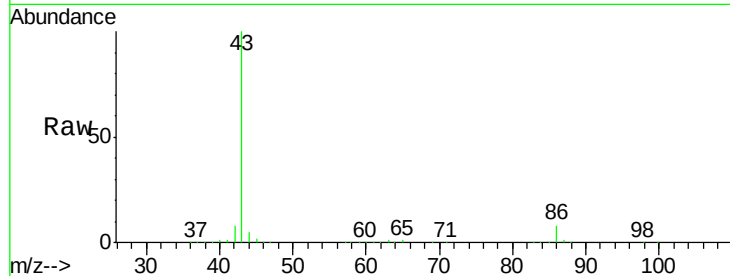
#23
Vinyl Acetate
Concen: 304.209 ug/l
RT: 5.07 min Scan# 371
Delta R.T. -0.00 min
Lab File: VD061313.D
Acq: 25 Mar 2019 20:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 3440942
Ion Ratio Lower Upper
43 100
86 8.3 6.3 9.5

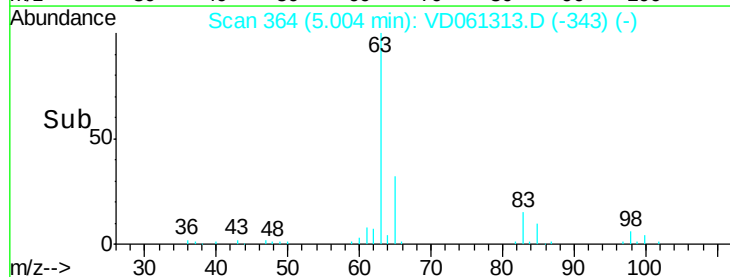
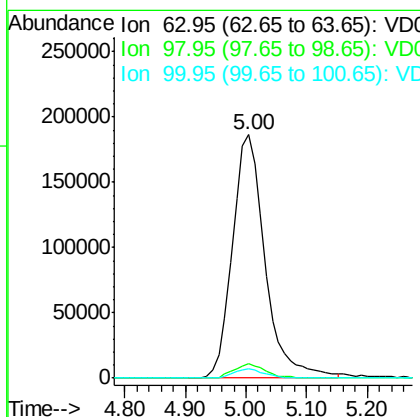
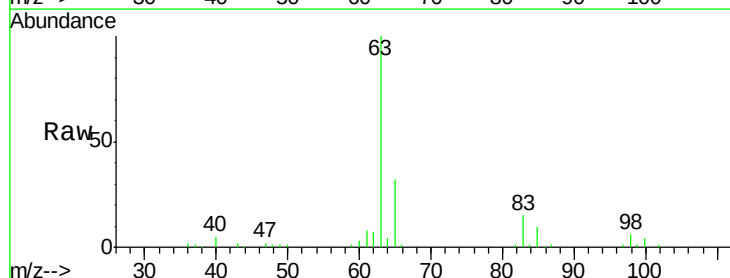
Manual Integrations
APPROVED

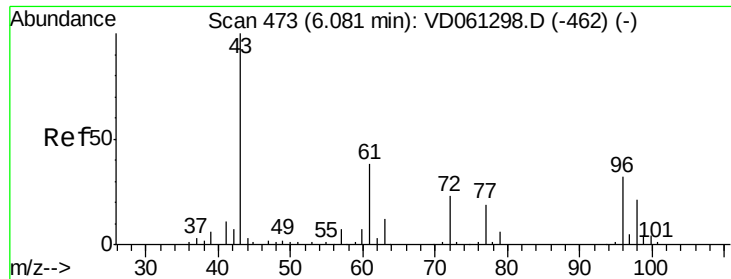
MMDadoda
3/26/2019 12:18:56 PM



#24
1,1-Dichloroethane
Concen: 56.586 ug/l
RT: 5.00 min Scan# 364
Delta R.T. 0.01 min
Lab File: VD061313.D
Acq: 25 Mar 2019 20:53

Tgt Ion: 63 Resp: 698349
Ion Ratio Lower Upper
63 100
98 6.0 2.8 8.3
100 3.8 1.6 4.8





#25

2-Butanone

Concen: 307.584 ug/l

RT: 6.08 min Scan# 473

Delta R.T. -0.00 min

Lab File: VD061313.D

Acq: 25 Mar 2019 20:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 538946

Ion Ratio Lower Upper

43 100

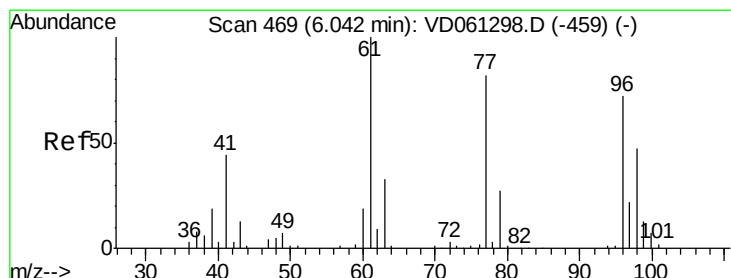
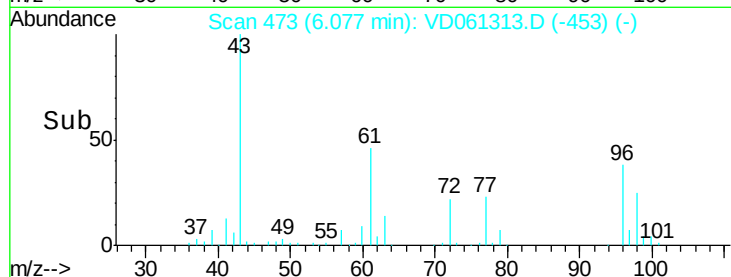
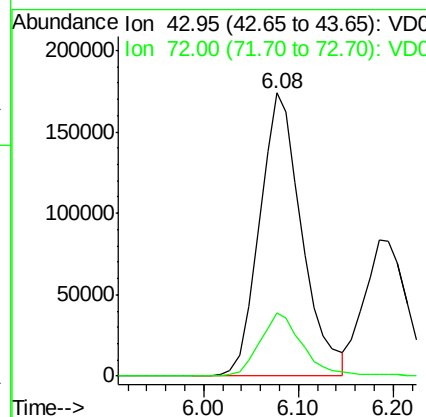
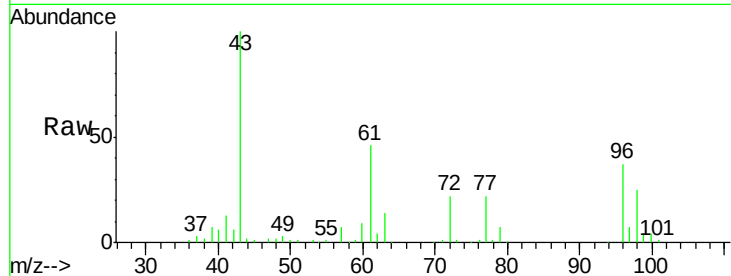
72 22.3 18.5 27.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 47.890 ug/l

RT: 6.04 min Scan# 469

Delta R.T. -0.00 min

Lab File: VD061313.D

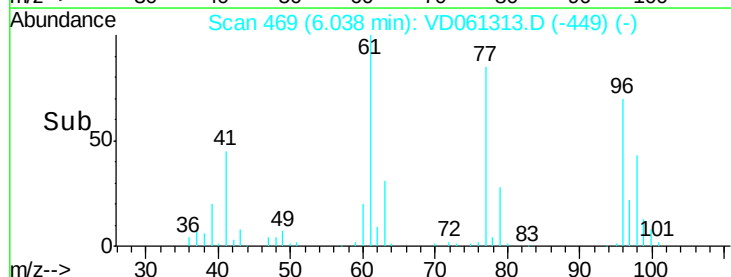
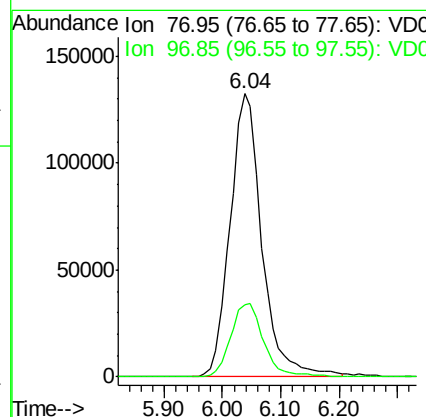
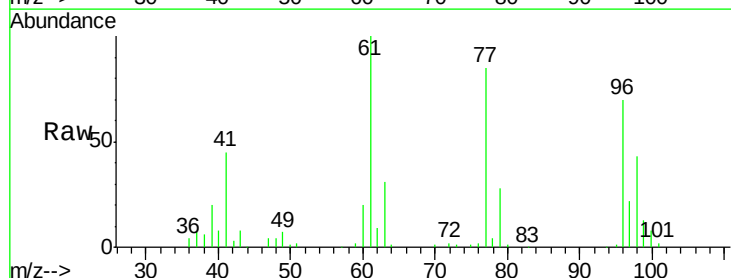
Acq: 25 Mar 2019 20:53

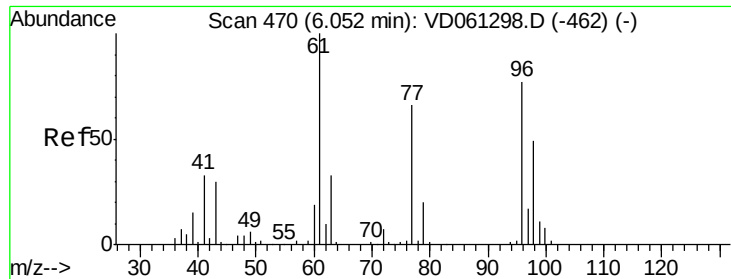
Tgt Ion: 77 Resp: 501861

Ion Ratio Lower Upper

77 100

97 25.5 13.5 40.5





#27

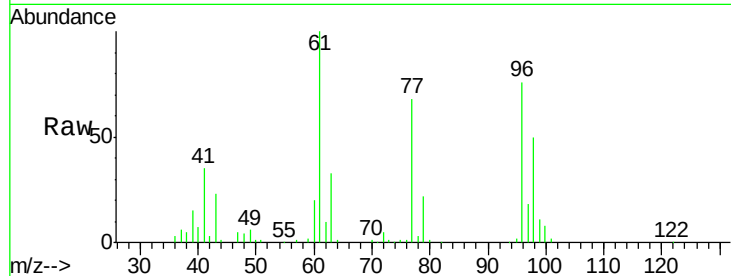
cis-1,2-Dichloroethene
Concen: 53.728 ug/l
RT: 6.05 min Scan# 470
Delta R.T. -0.00 min
Lab File: VD061313.D
Acq: 25 Mar 2019 20:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	131.7	0.0	261.0	
98	65.7	0.0	127.6	

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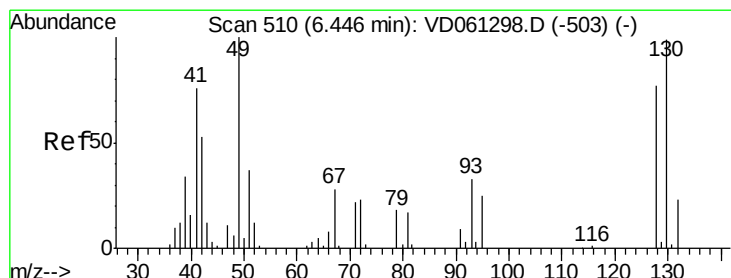
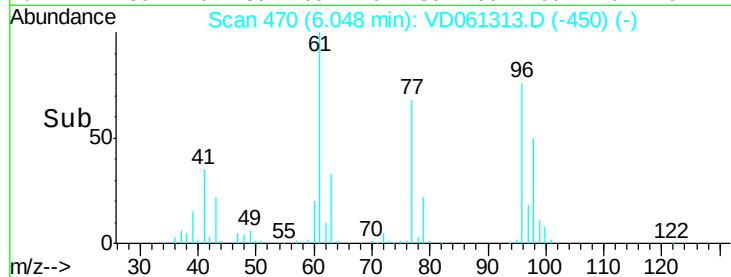
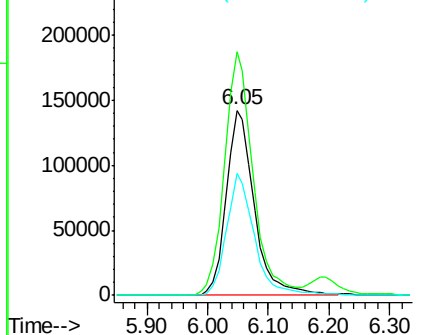


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

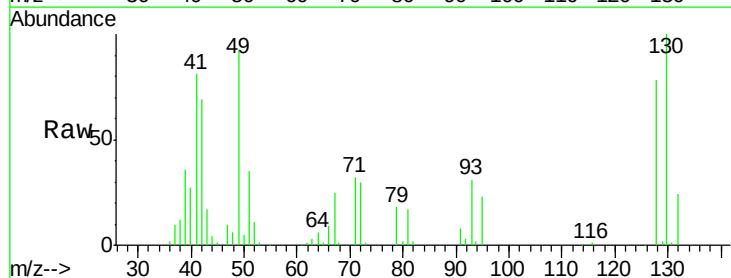
Ion 97.85 (97.55 to 98.55): VDC



#28

Bromochloromethane
Concen: 51.402 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.01 min
Lab File: VD061313.D
Acq: 25 Mar 2019 20:53

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.6	0.0	5.2	
130	107.3	79.0	118.6	

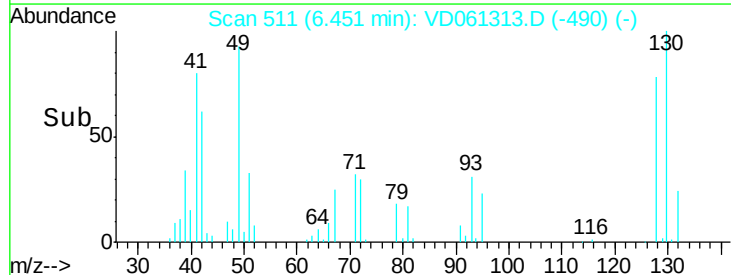
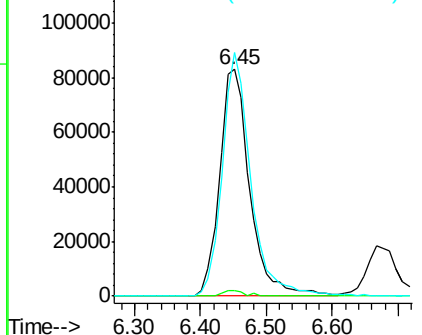


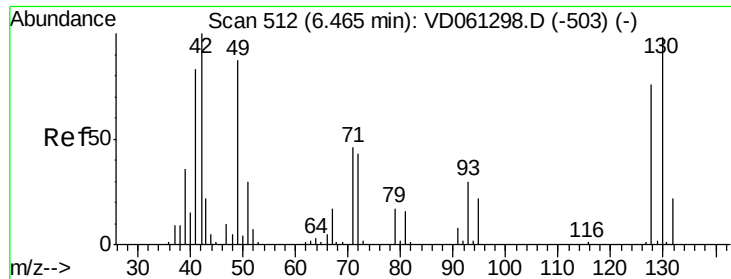
Abundance

Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





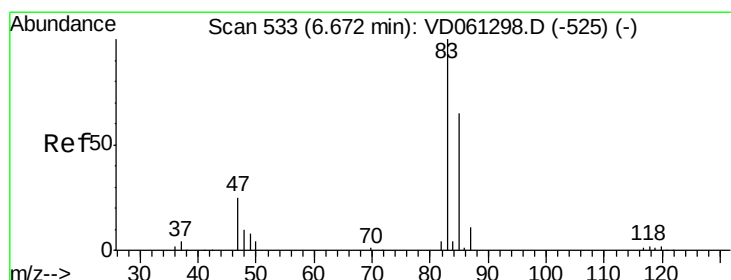
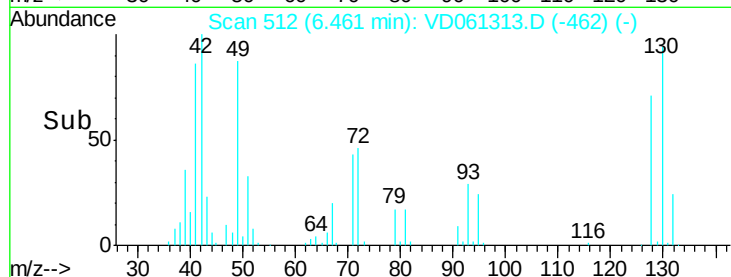
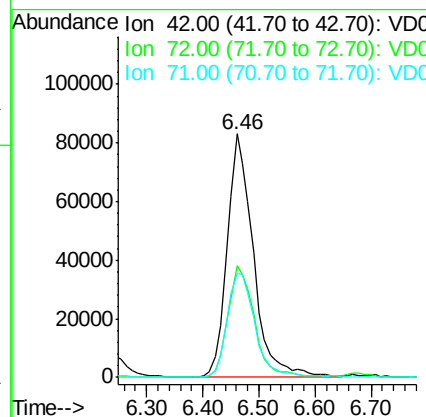
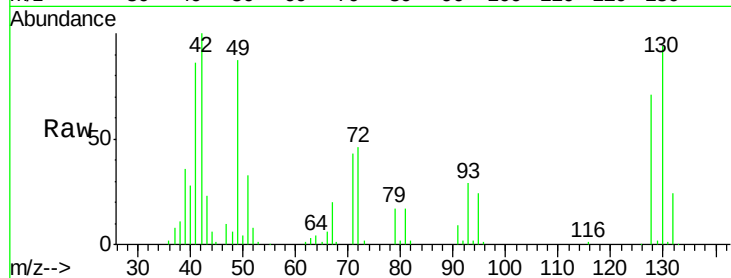
#29
Tetrahydrofuran
Concen: 310.140 ug/l
RT: 6.46 min Scan# 512
Delta R.T. -0.00 min
Lab File: VD061313.D
Acq: 25 Mar 2019 20:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.7	36.6	54.8
71	45.4	36.3	54.5

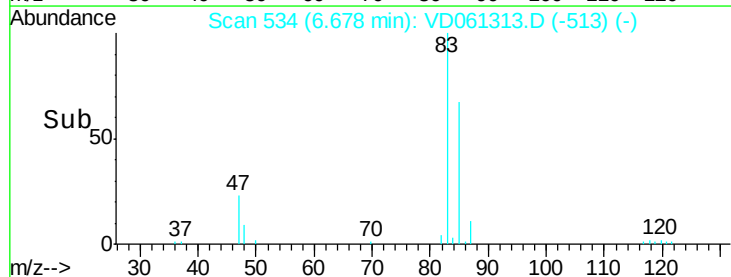
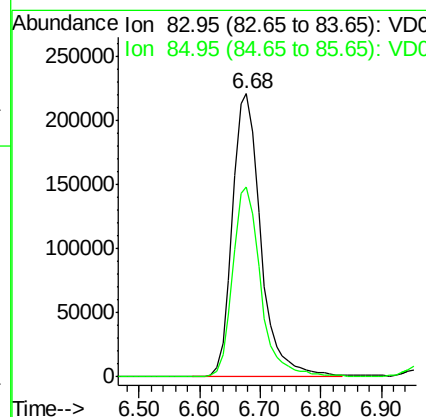
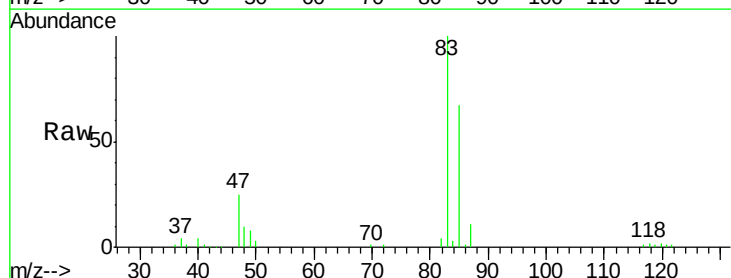
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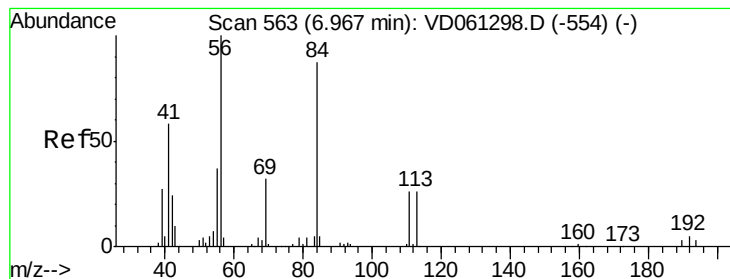
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#30
Chloroform
Concen: 54.843 ug/l
RT: 6.68 min Scan# 534
Delta R.T. 0.01 min
Lab File: VD061313.D
Acq: 25 Mar 2019 20:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.2	52.2	78.2





#31

Cyclohexane

Concen: 54.359 ug/l

RT: 6.96 min Scan# 563

Delta R.T. -0.00 min

Lab File: VD061313.D

Acq: 25 Mar 2019 20:53

Instrument :

MSVOA_D

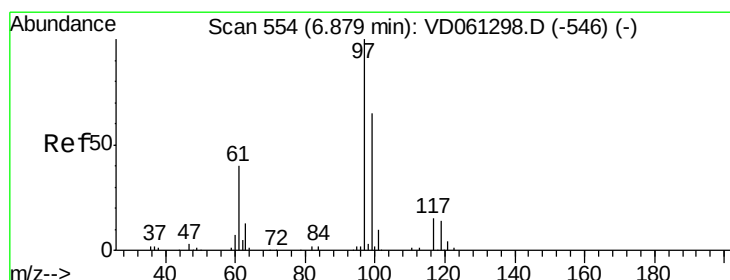
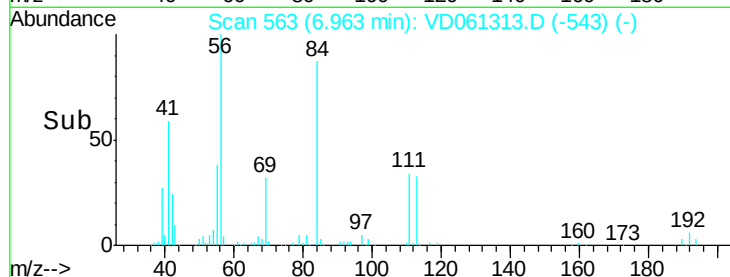
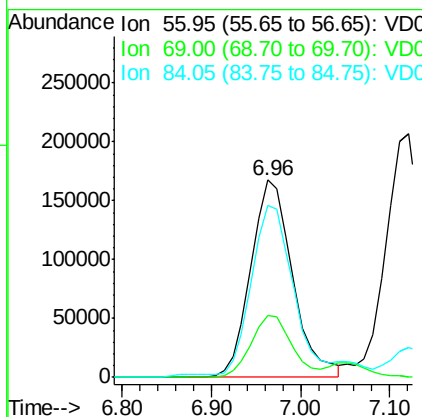
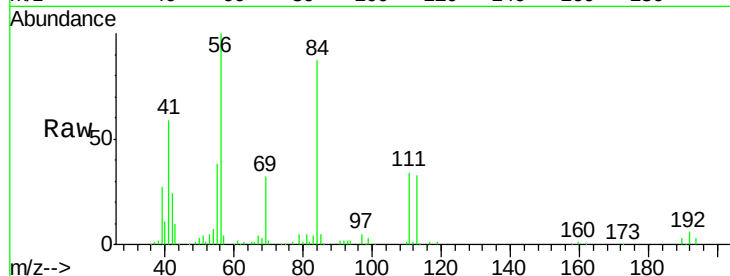
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	544508
Ion Ratio	Lower	Upper	
56	100		
69	31.6	25.5	38.3
84	87.3	71.4	107.2

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#32

1,1,1-Trichloroethane

Concen: 53.067 ug/l

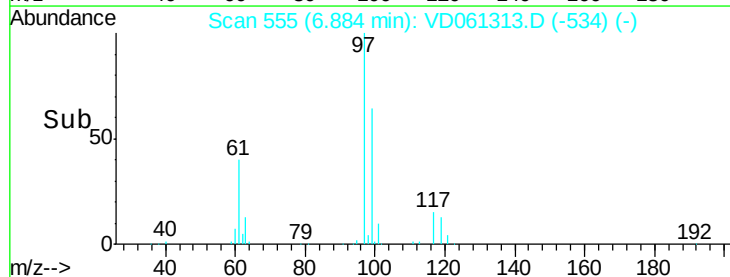
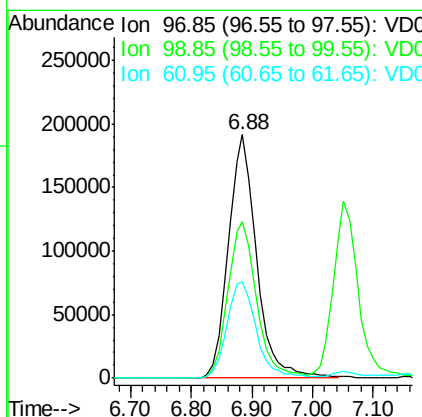
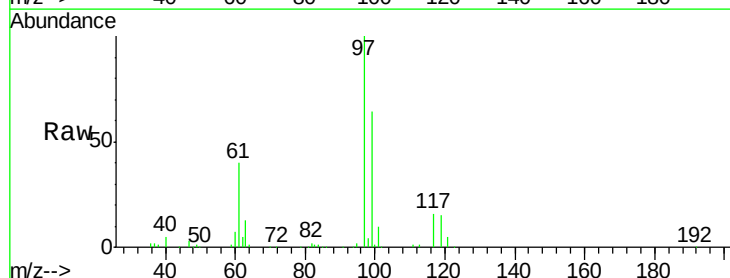
RT: 6.88 min Scan# 555

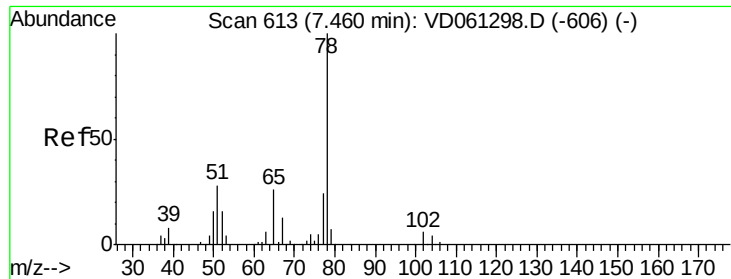
Delta R.T. 0.01 min

Lab File: VD061313.D

Acq: 25 Mar 2019 20:53

Tgt Ion:	97	Resp:	618099
Ion Ratio	Lower	Upper	
97	100		
99	64.4	51.8	77.6
61	39.5	31.9	47.9





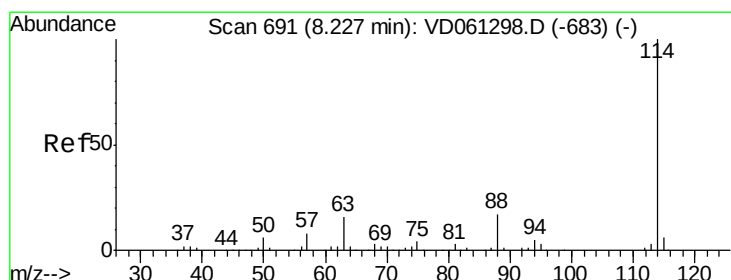
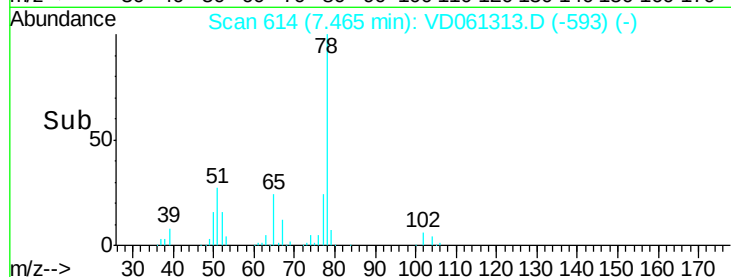
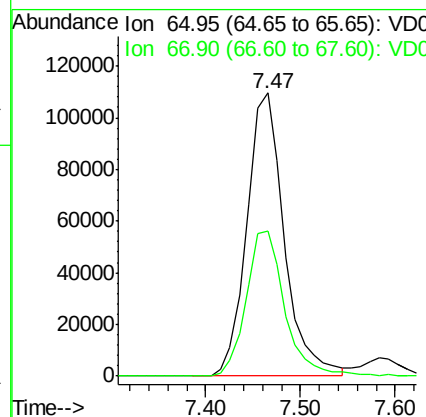
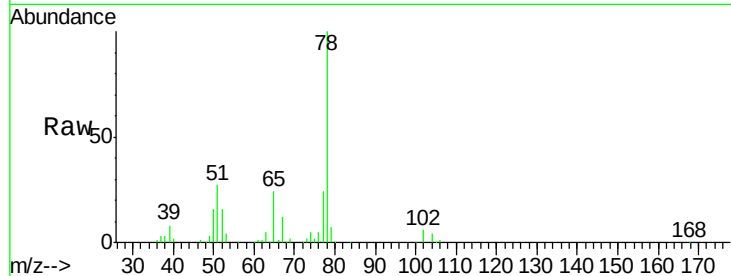
#33
 1,2-Dichloroethane-d4
 Concen: 53.067 ug/l
 RT: 7.47 min Scan# 614
 Delta R.T. 0.01 min
 Lab File: VD061313.D
 Acq: 25 Mar 2019 20:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.3	0.0	100.8	

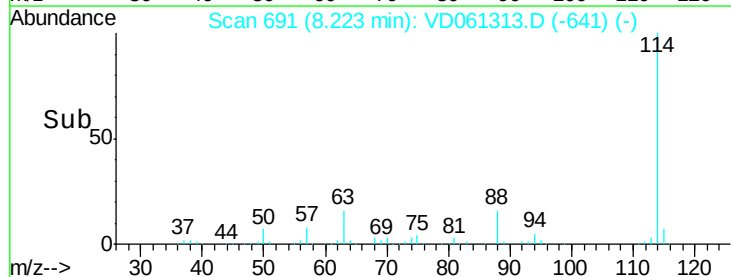
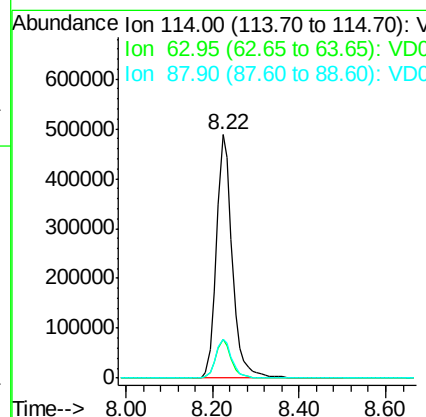
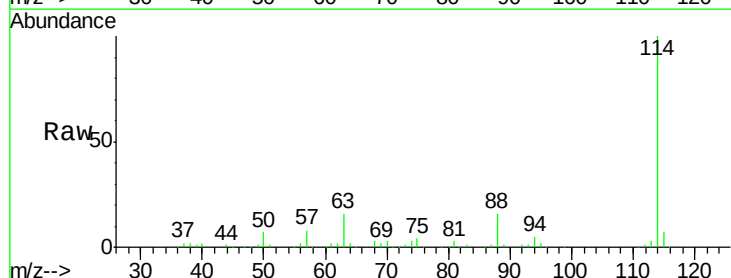
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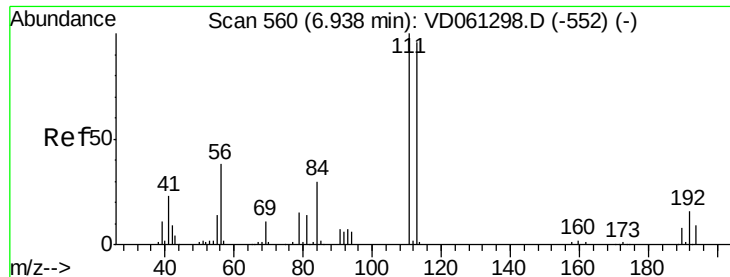
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. -0.00 min
 Lab File: VD061313.D
 Acq: 25 Mar 2019 20:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	16.0	0.0	31.4	
88	16.1	0.0	33.2	





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 560

Delta R.T. -0.00 min

Lab File: VD061313.D

Acq: 25 Mar 2019 20:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:113 Resp: 477835

Ion Ratio Lower Upper

113 100

111 103.4 83.7 125.5

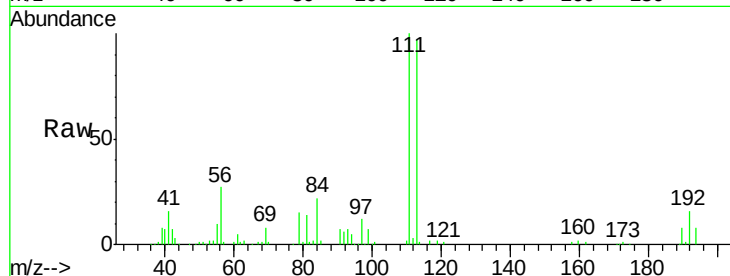
192 16.7 13.4 20.0

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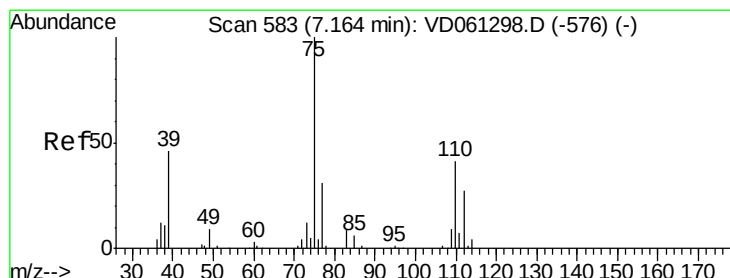
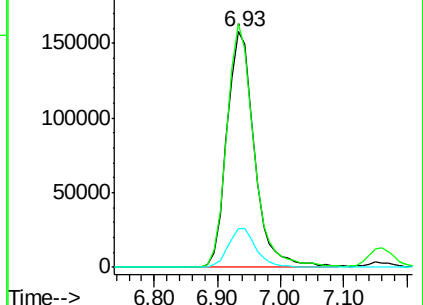
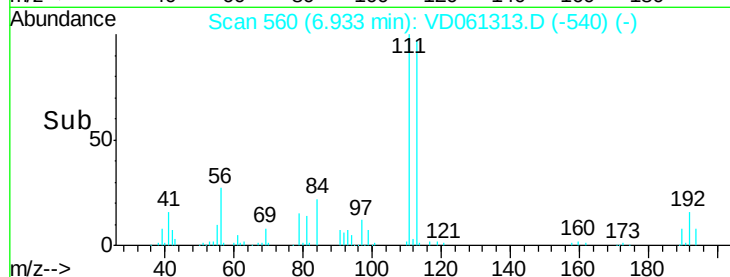
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Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 49.813 ug/l

RT: 7.16 min Scan# 583

Delta R.T. -0.00 min

Lab File: VD061313.D

Acq: 25 Mar 2019 20:53

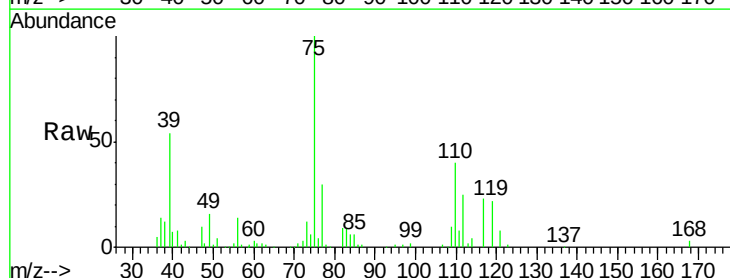
Tgt Ion: 75 Resp: 507414

Ion Ratio Lower Upper

75 100

110 39.7 20.1 60.2

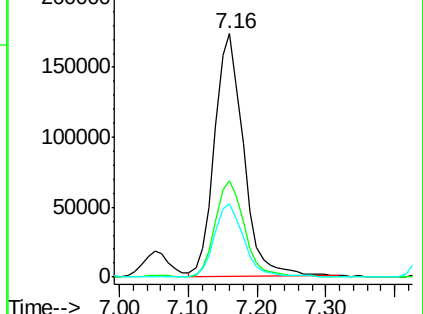
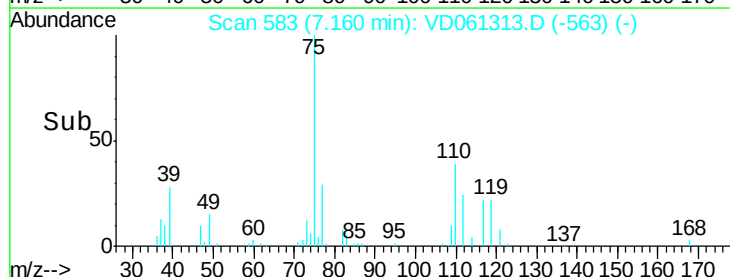
77 30.0 24.3 36.5

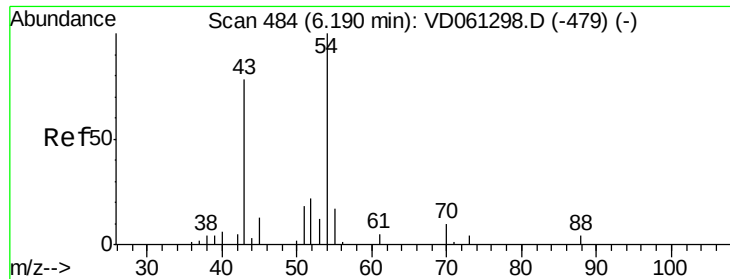


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC





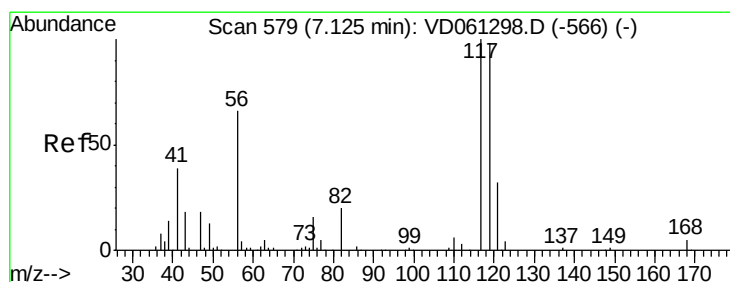
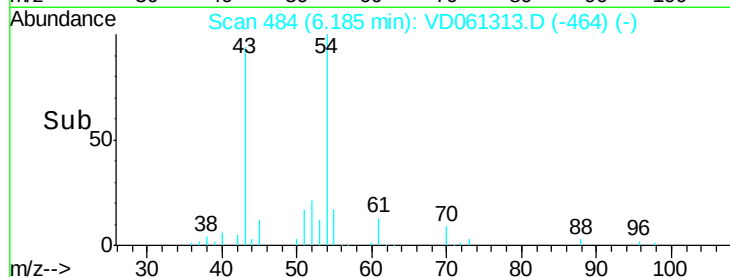
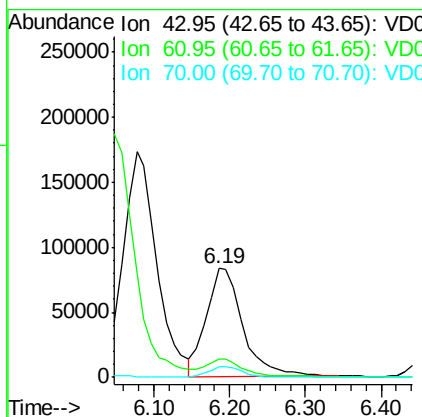
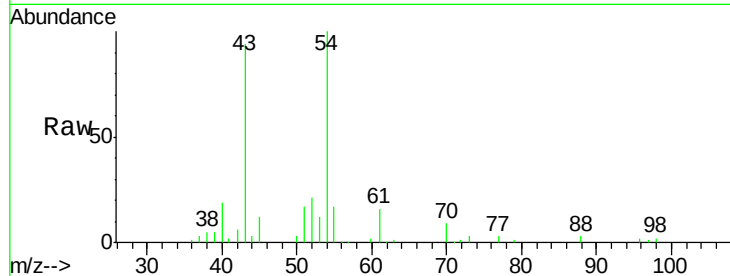
#37
Ethyl Acetate
Concen: 65.049 ug/l
RT: 6.19 min Scan# 484
Delta R.T. -0.00 min
Lab File: VD061313.D
Acq: 25 Mar 2019 20:53

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.9	12.6	19.0
70	9.2	8.2	12.4

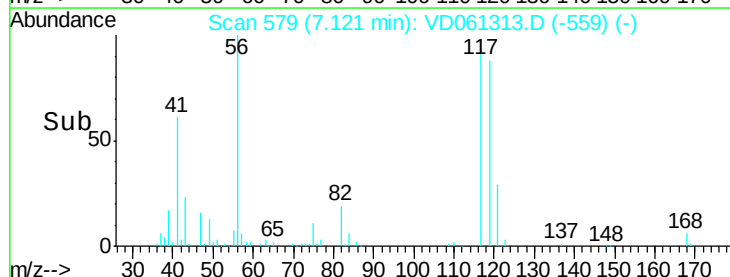
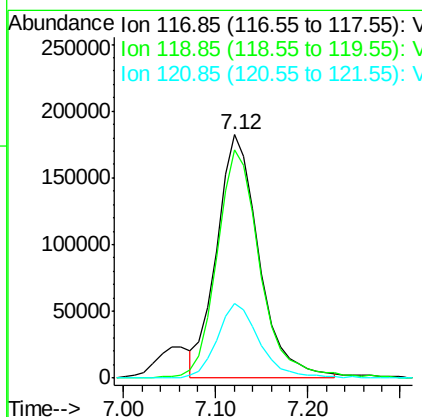
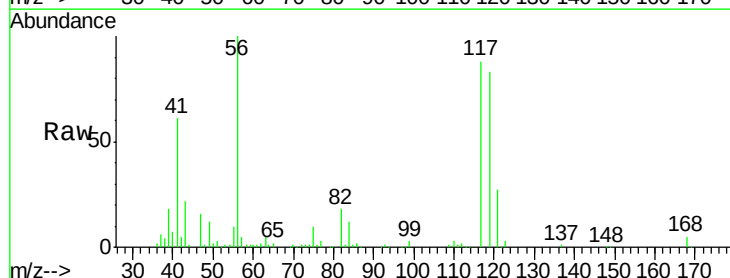
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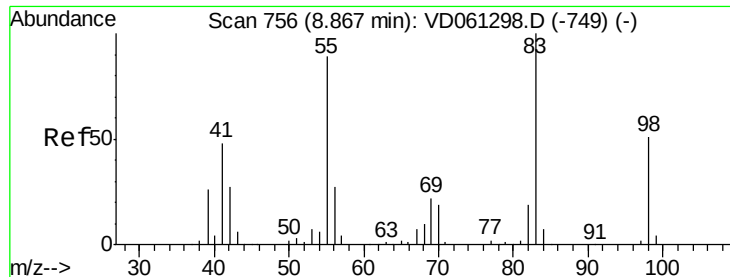
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#38
Carbon Tetrachloride
Concen: 50.236 ug/l m
RT: 7.12 min Scan# 579
Delta R.T. -0.00 min
Lab File: VD061313.D
Acq: 25 Mar 2019 20:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.8	78.4	117.6
121	30.9	25.1	37.7





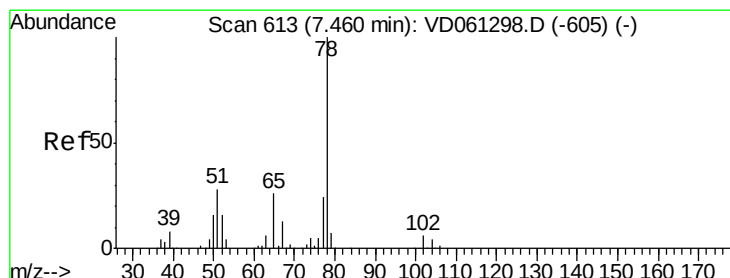
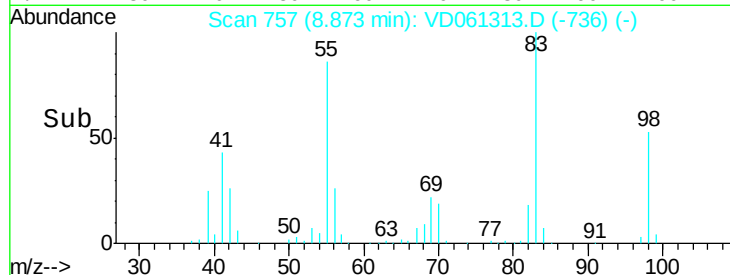
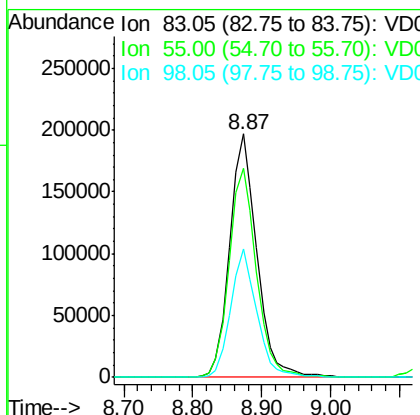
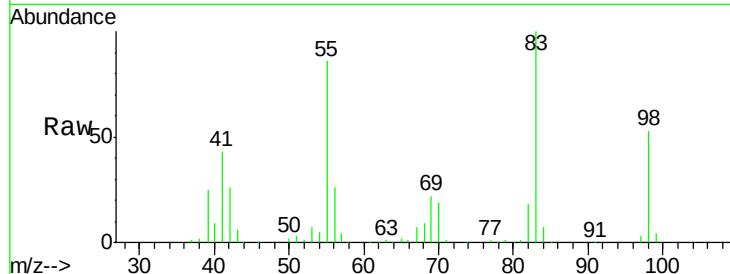
#39
Methylvlcyclohexane
Concen: 50.934 ug/l
RT: 8.87 min Scan# 757
Delta R.T. 0.01 min
Lab File: VD061313.D
Acq: 25 Mar 2019 20:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.6	71.3	106.9
98	52.5	40.4	60.6

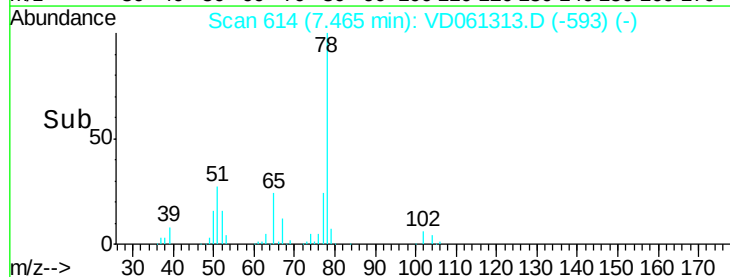
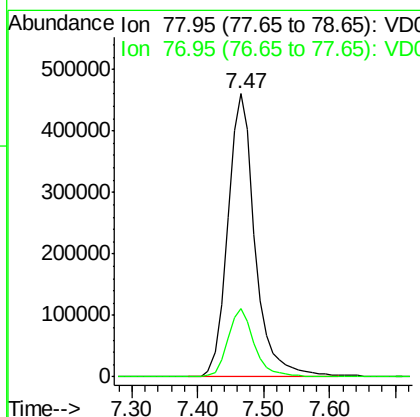
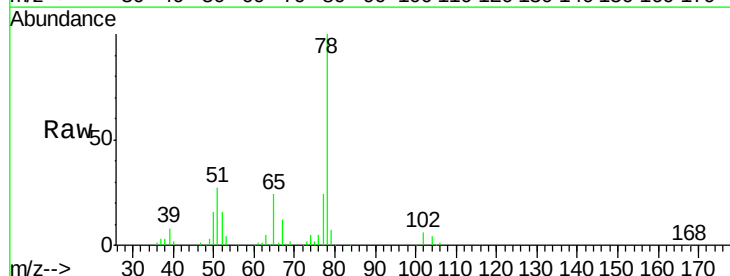
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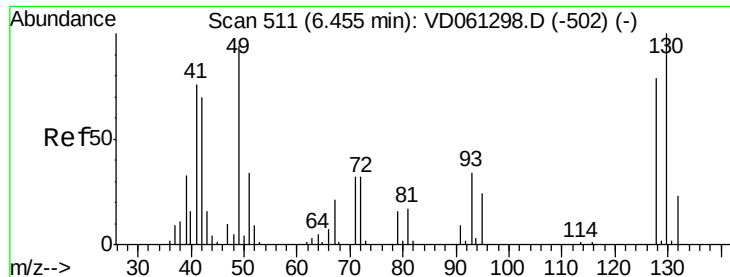
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#40
Benzene
Concen: 52.630 ug/l
RT: 7.47 min Scan# 614
Delta R.T. 0.01 min
Lab File: VD061313.D
Acq: 25 Mar 2019 20:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2





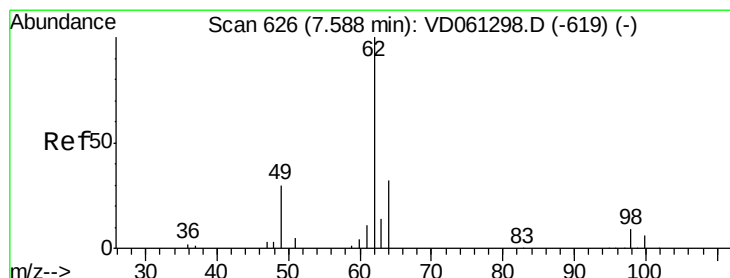
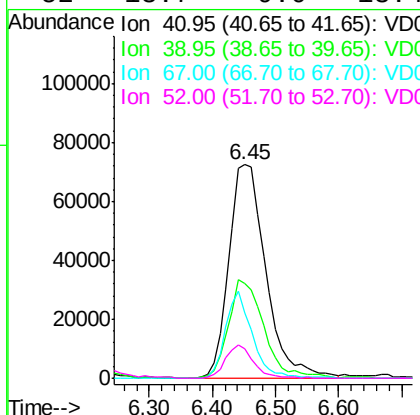
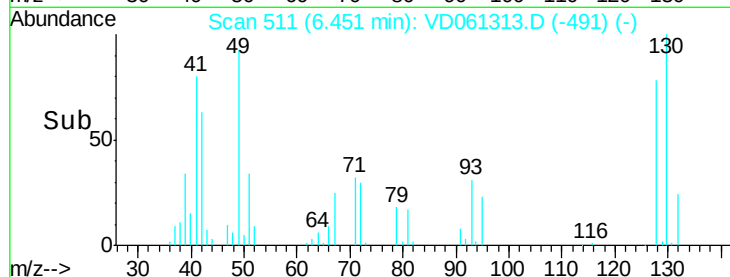
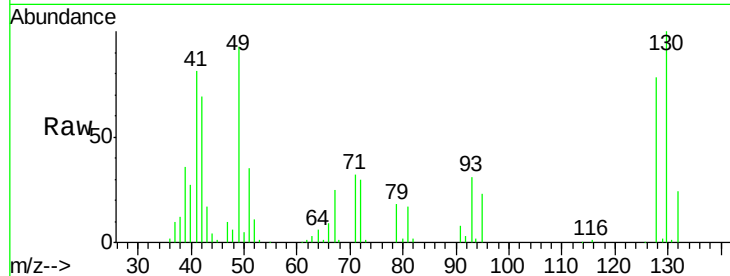
#41
Methacrylonitrile
Concen: 59.519 ug/l
RT: 6.45 min Scan# 511
Delta R.T. -0.00 min
Lab File: VD061313.D
Acq: 25 Mar 2019 20:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
294267	41	100		
	39	44.2	34.2	51.2
	67	30.6	21.8	32.6
	52	13.7	9.0	13.4

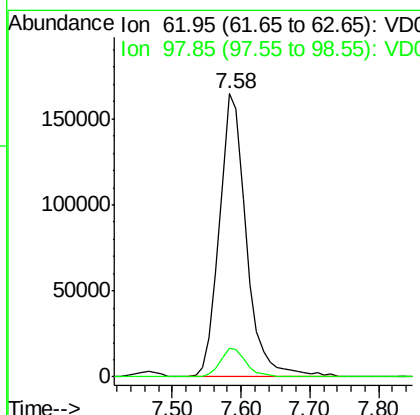
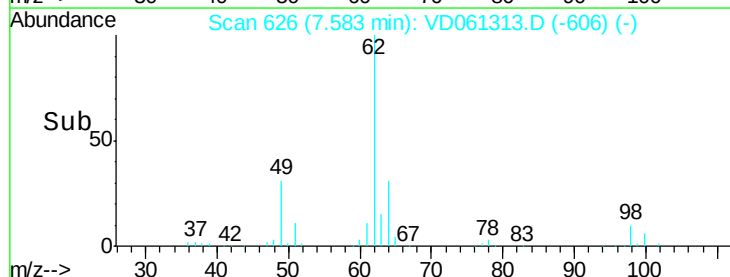
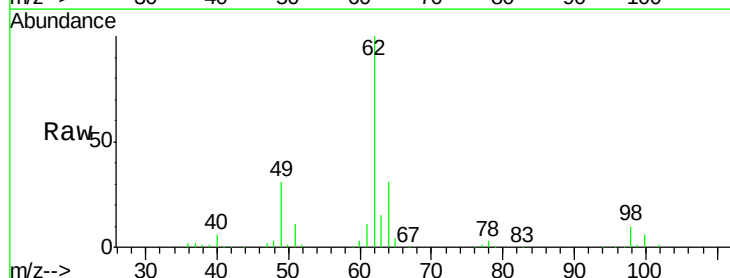
Manual Integrations
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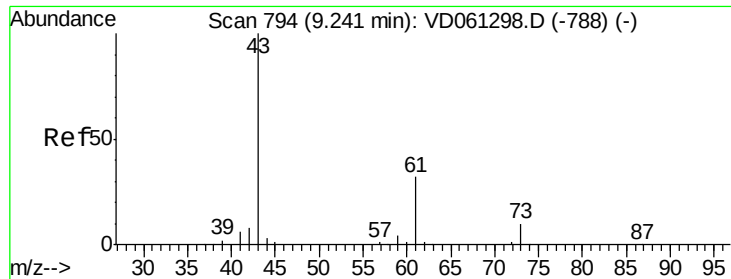
MMDadoda
3/26/2019 12:18:56 PM



#42
1,2-Dichloroethane
Concen: 56.426 ug/l
RT: 7.58 min Scan# 626
Delta R.T. -0.00 min
Lab File: VD061313.D
Acq: 25 Mar 2019 20:53

Tgt Ion	Ion	Ratio	Lower	Upper
444887	62	100		
	98	10.0	0.0	18.6





#43

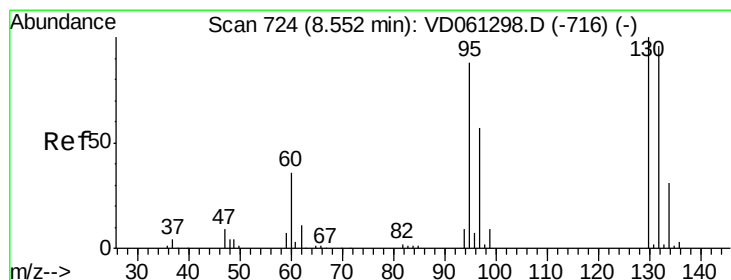
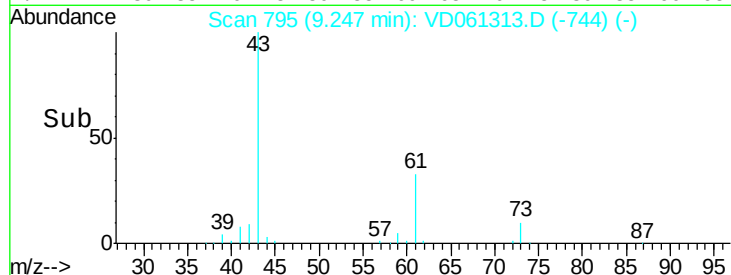
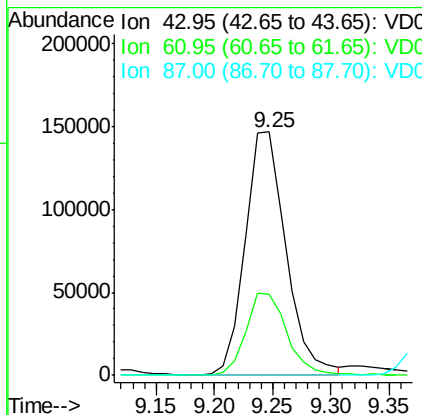
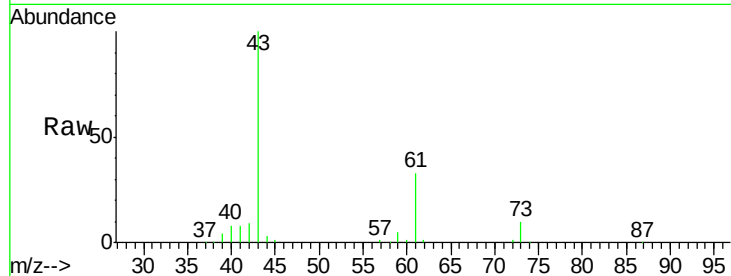
Isopropyl Acetate
 Concen: 58.242 ug/l
 RT: 9.25 min Scan# 795
 Delta R.T. 0.01 min
 Lab File: VD061313.D
 Acq: 25 Mar 2019 20:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	33.4	25.8	38.8
87	0.3	0.3	0.5

Manual Integrations
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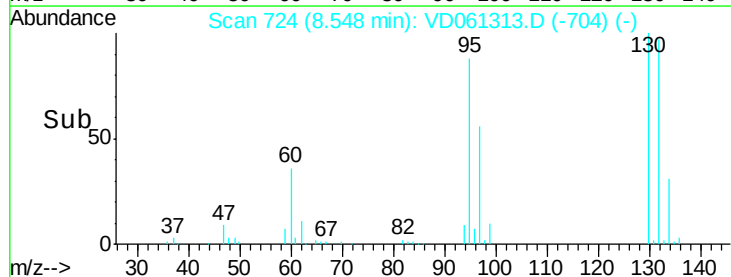
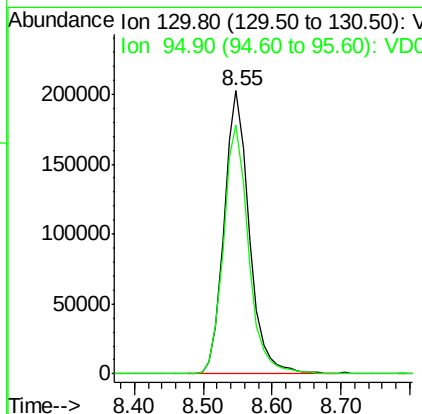
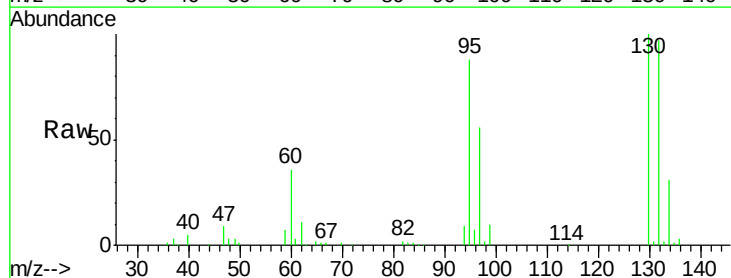
MMDadoda
 3/26/2019 12:18:56 PM

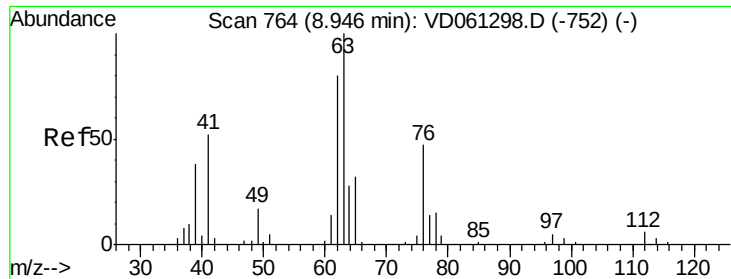


#44

Trichloroethene
 Concen: 55.858 ug/l
 RT: 8.55 min Scan# 724
 Delta R.T. -0.00 min
 Lab File: VD061313.D
 Acq: 25 Mar 2019 20:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	87.9	0.0	175.0





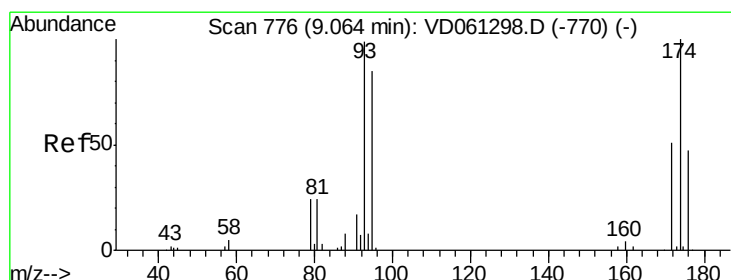
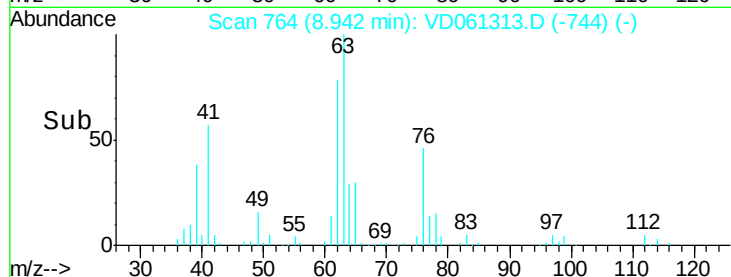
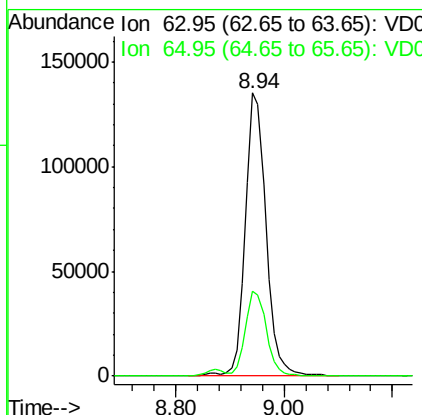
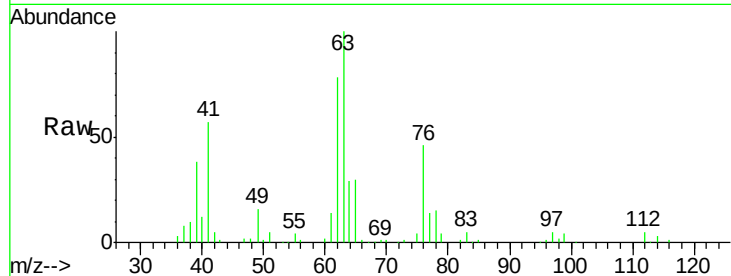
#45
 1,2-Dichloropropane
 Concen: 57.545 ug/l
 RT: 8.94 min Scan# 764
 Delta R.T. -0.00 min
 Lab File: VD061313.D
 Acq: 25 Mar 2019 20:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 359305
 Ion Ratio Lower Upper
 63 100
 65 30.2 25.2 37.8

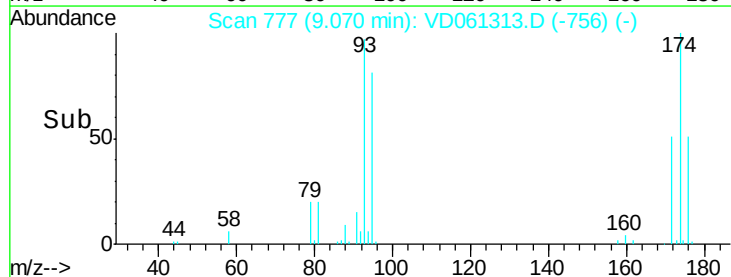
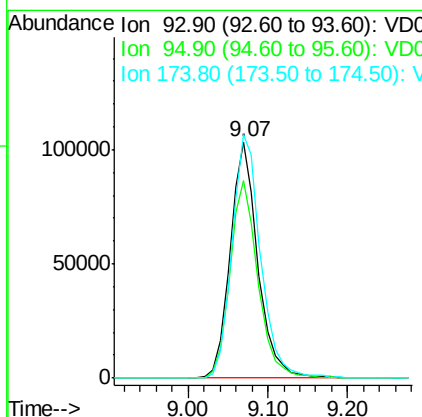
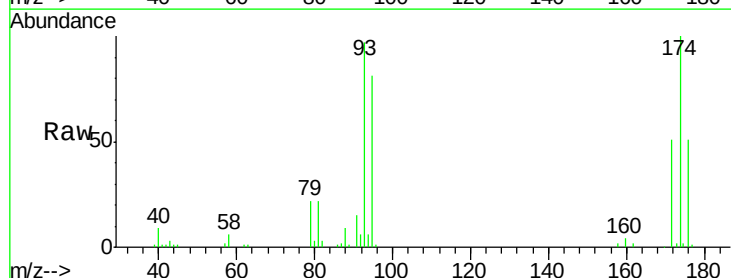
Manual Integrations
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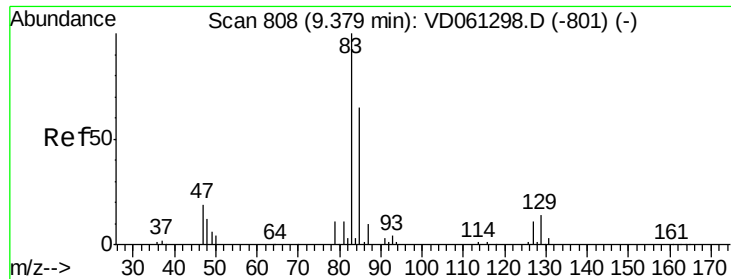
MMDadoda
 3/26/2019 12:18:56 PM



#46
 Dibromomethane
 Concen: 58.204 ug/l
 RT: 9.07 min Scan# 777
 Delta R.T. 0.01 min
 Lab File: VD061313.D
 Acq: 25 Mar 2019 20:53

Tgt Ion: 93 Resp: 249107
 Ion Ratio Lower Upper
 93 100
 95 83.5 68.1 102.1
 174 103.1 80.4 120.6





#47

Bromodichloromethane

Concen: 57.424 ug/l

RT: 9.38 min Scan# 809

Delta R.T. 0.01 min

Lab File: VD061313.D

Acq: 25 Mar 2019 20:53

Instrument :

MSVOA_D

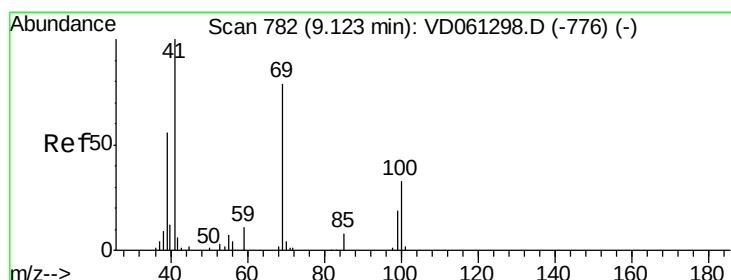
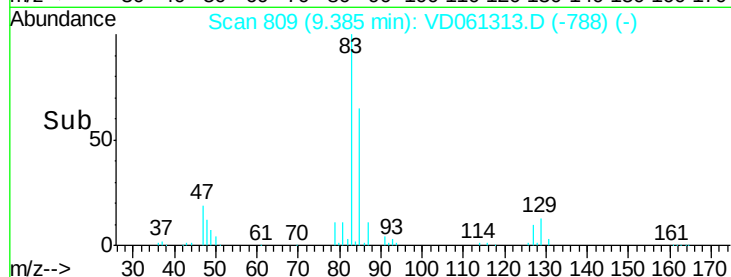
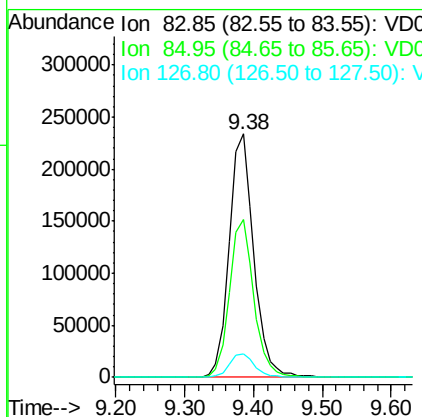
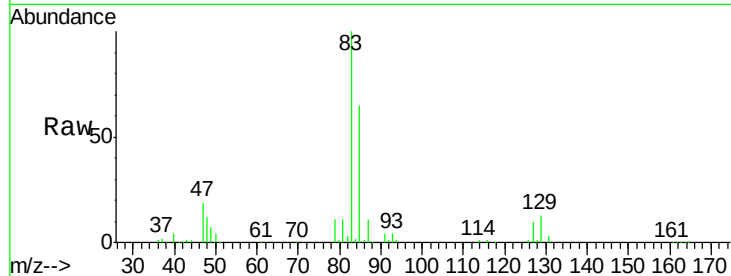
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	576054
Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.7	77.5
127	9.6	8.8	13.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 62.277 ug/l

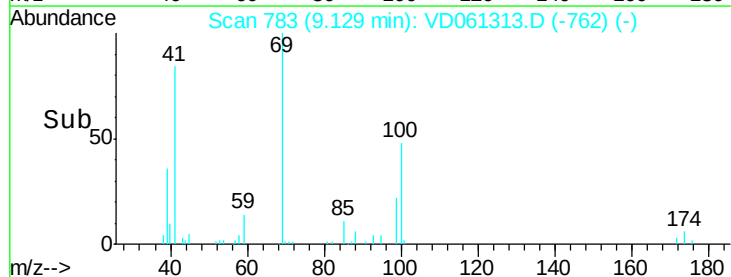
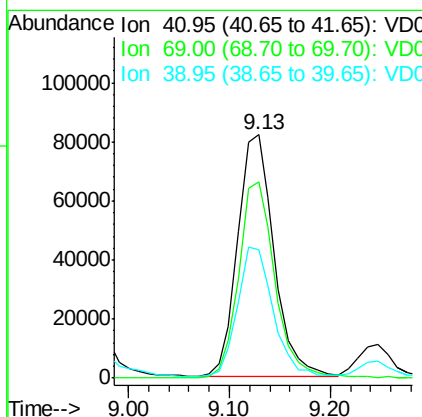
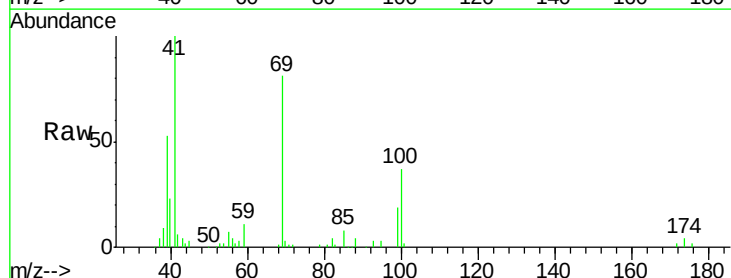
RT: 9.13 min Scan# 783

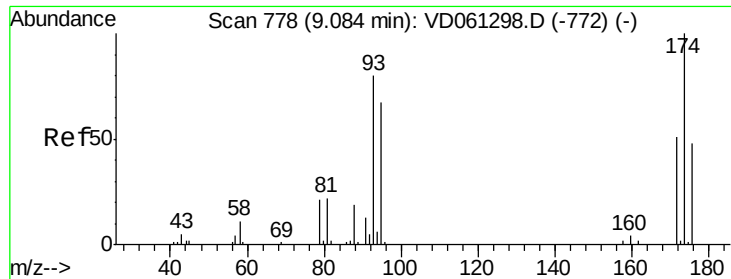
Delta R.T. 0.01 min

Lab File: VD061313.D

Acq: 25 Mar 2019 20:53

Tgt Ion:	41	Resp:	203915
Ion	Ratio	Lower	Upper
41	100		
69	80.5	62.4	93.6
39	52.7	44.9	67.3





#49

1,4-Dioxane

Concen: 1388.446 ug/l

RT: 9.09 min Scan# 779

Delta R.T. 0.01 min

Lab File: VD061313.D

Acq: 25 Mar 2019 20:53

Instrument :

MSVOA_D

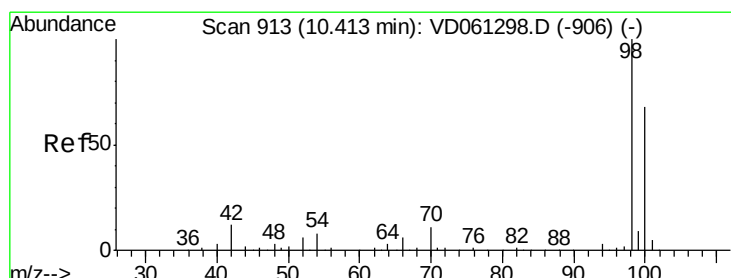
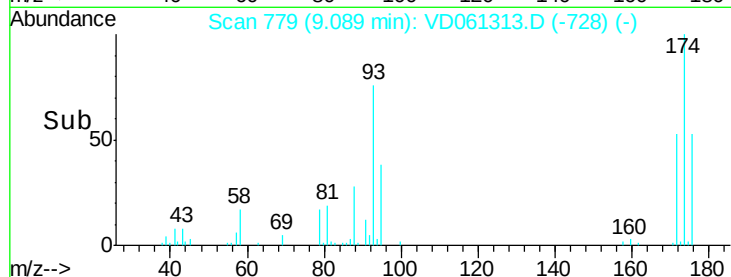
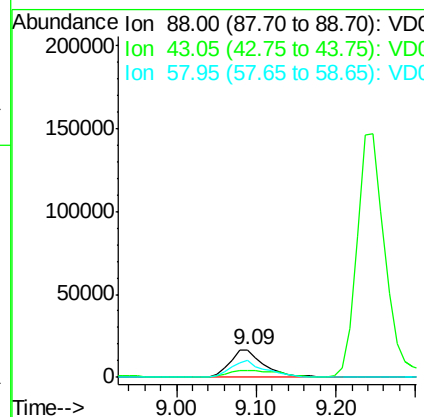
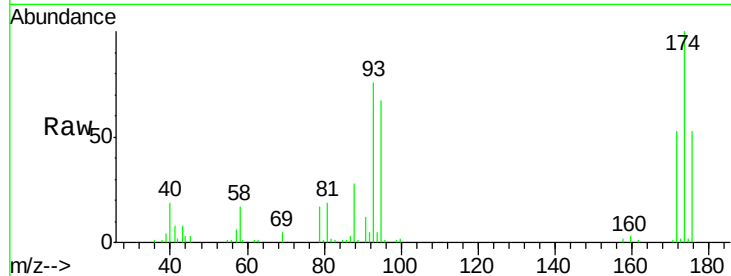
ClientSampleId :

VSTDCCC050EC

Tot Ion:	88	Resp:	49881
Ion Ratio	Lower	Upper	
88	100		
43	26.8	20.7	31.1
58	61.5	44.9	67.3

Manual Integrations
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#50

Toluene-d8

Concen: 1388.446 ug/l

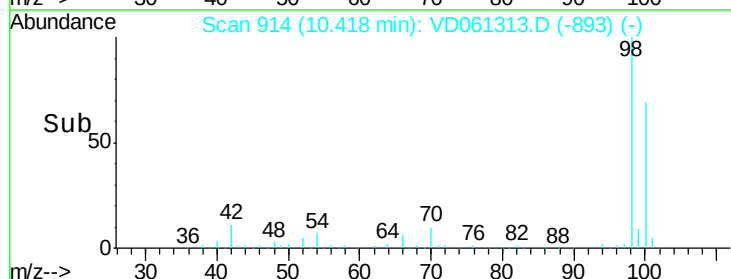
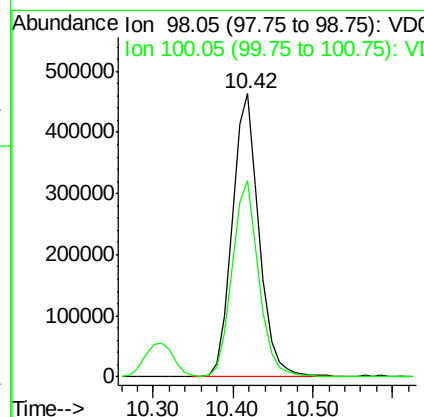
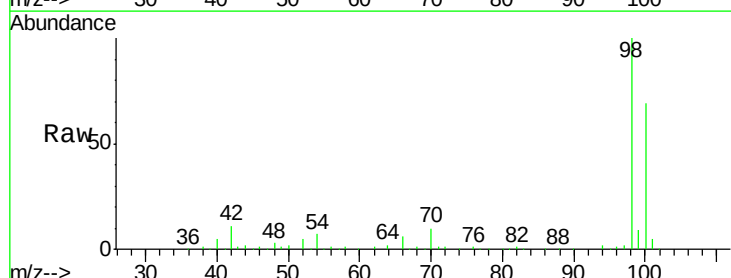
RT: 10.42 min Scan# 914

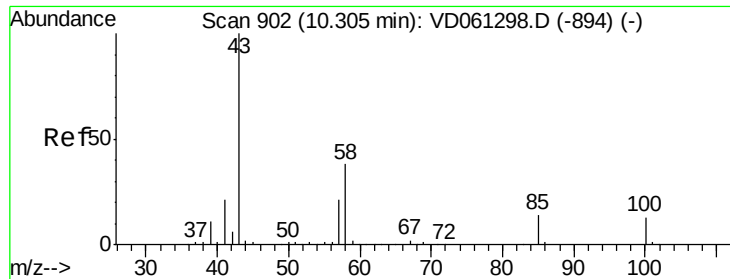
Delta R.T. 0.01 min

Lab File: VD061313.D

Acq: 25 Mar 2019 20:53

Tgt Ion:	98	Resp:	1090102
Ion Ratio	Lower	Upper	
98	100		
100	69.3	55.4	83.0





#51

4-Methyl-2-Pentanone

Concen: 301.331 ug/l

RT: 10.30 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD061313.D

Acq: 25 Mar 2019 20:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1100447

Ion Ratio Lower Upper

43 100

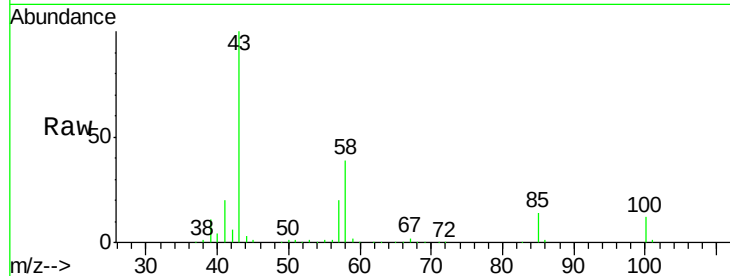
58 38.5 30.6 45.8

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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

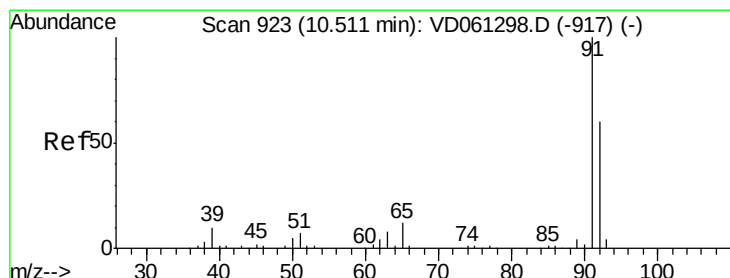
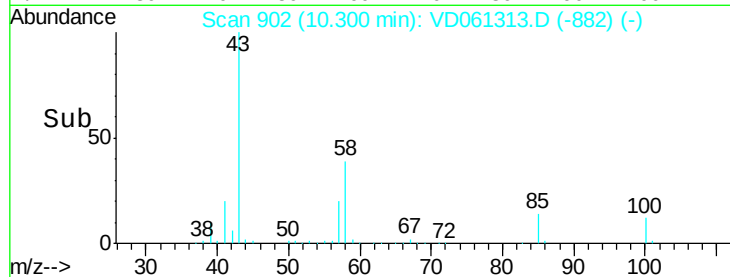
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 52.149 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.01 min

Lab File: VD061313.D

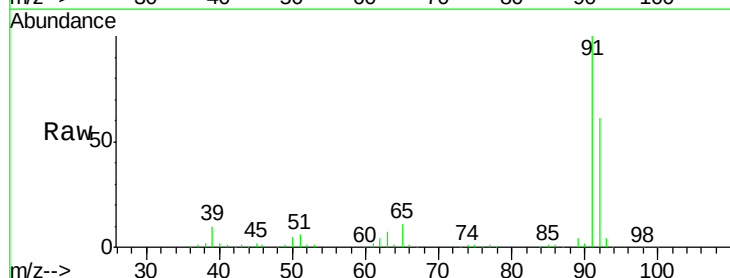
Acq: 25 Mar 2019 20:53

Tgt Ion: 92 Resp: 807246

Ion Ratio Lower Upper

92 100

91 163.1 133.1 199.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

600000

500000

400000

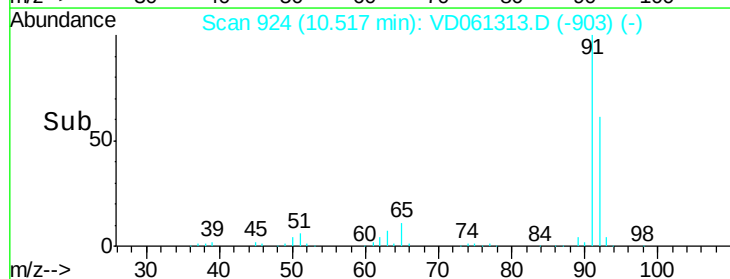
300000

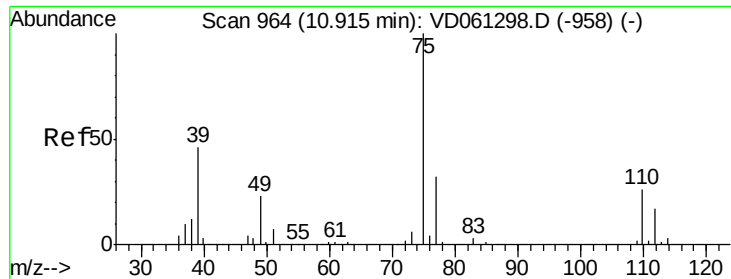
200000

100000

0

Time-->





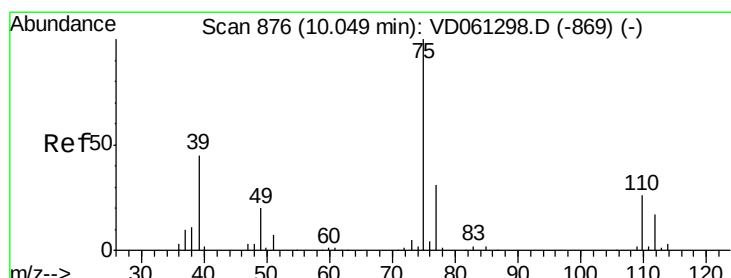
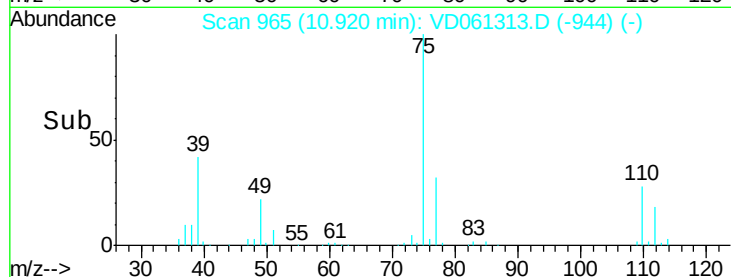
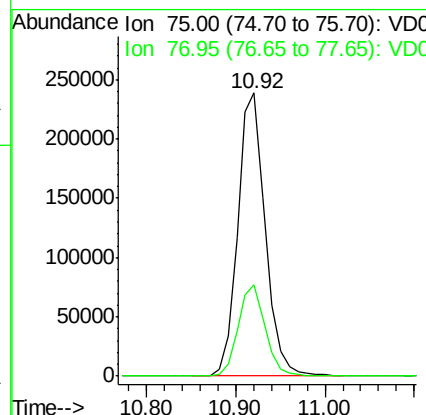
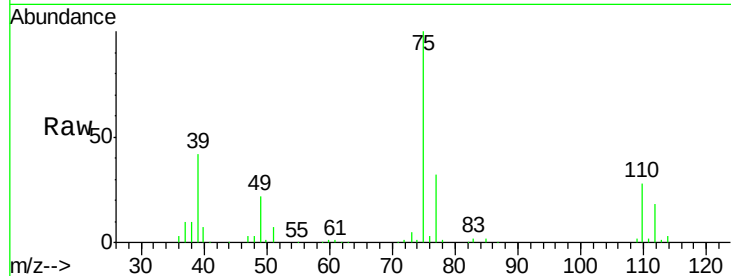
#53
 t-1,3-Dichloropropene
 Concen: 58.843 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. 0.01 min
 Lab File: VD061313.D
 Acq: 25 Mar 2019 20:53

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Tot Ion: 75 Resp: 512993
 Ion Ratio Lower Upper
 75 100
 77 32.2 25.8 38.6

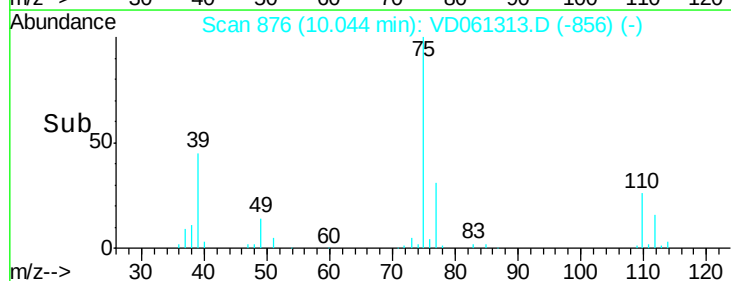
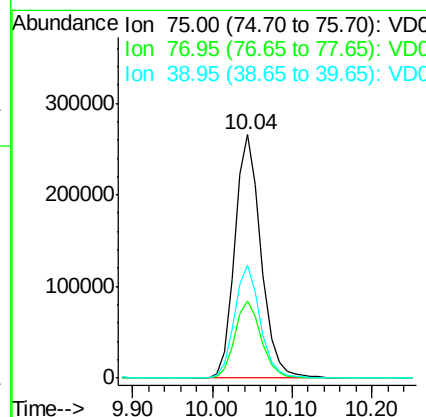
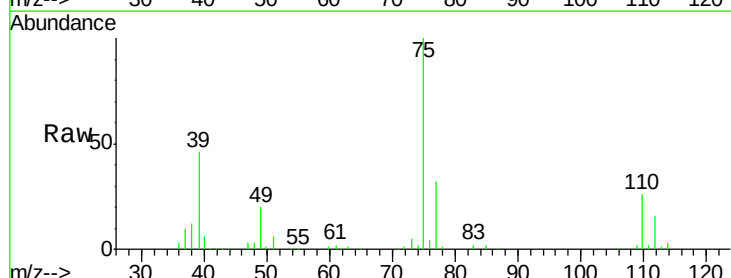
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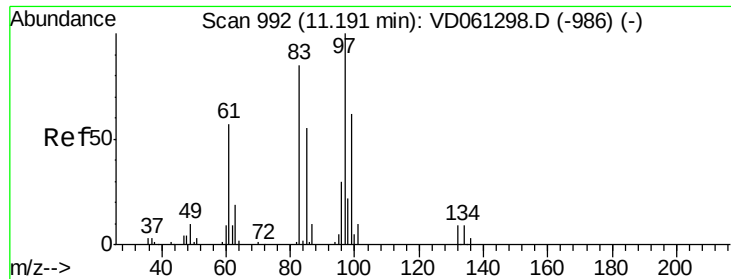
MMDadoda
 3/26/2019 12:18:56 PM



#54
 cis-1,3-Dichloropropene
 Concen: 57.503 ug/l
 RT: 10.04 min Scan# 876
 Delta R.T. -0.00 min
 Lab File: VD061313.D
 Acq: 25 Mar 2019 20:53

Tgt Ion: 75 Resp: 612149
 Ion Ratio Lower Upper
 75 100
 77 31.5 24.9 37.3
 39 46.3 36.0 54.0





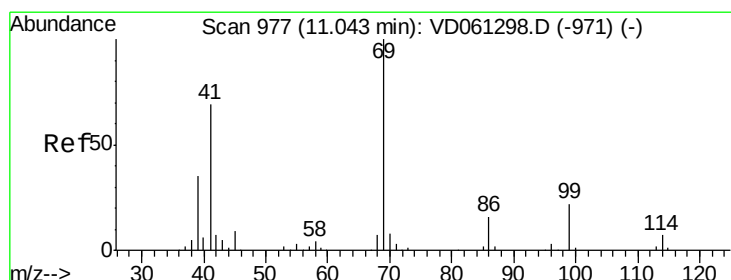
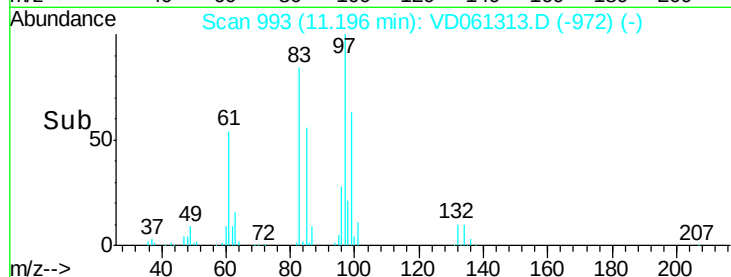
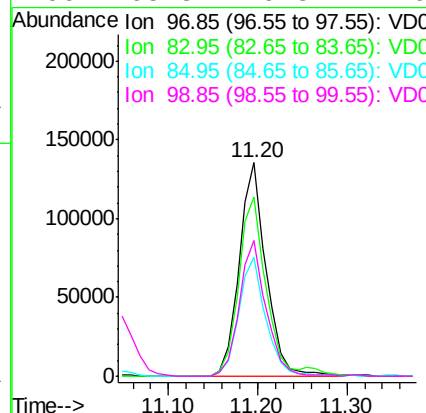
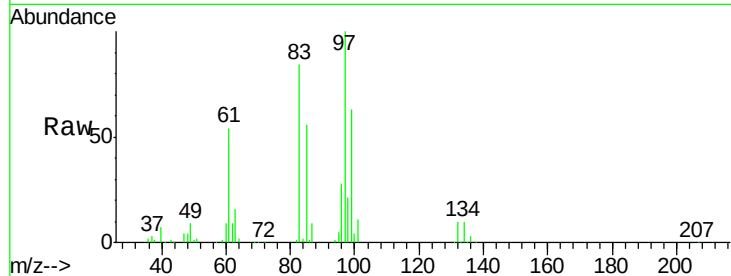
#55
 1,1,2-Trichloroethane
 Concen: 55.524 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: VD061313.D
 Acq: 25 Mar 2019 20:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		285345		
83	83.7	67.7	101.5		
85	55.6	43.8	65.8		
99	63.3	49.8	74.6		

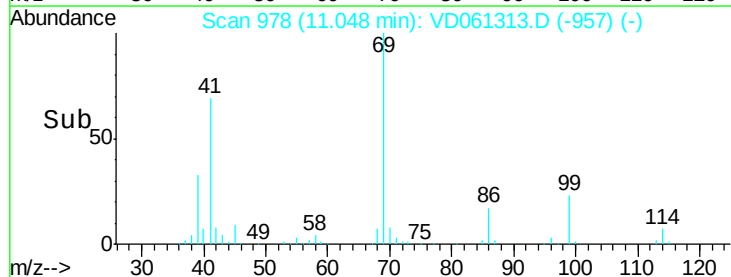
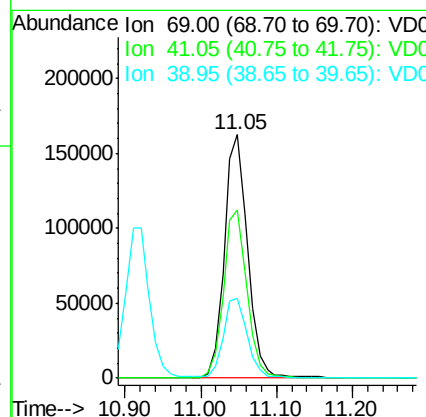
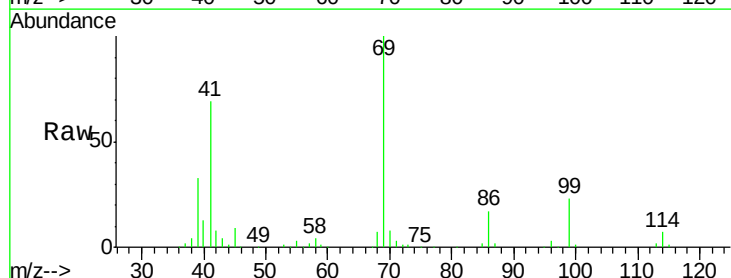
Manual Integrations
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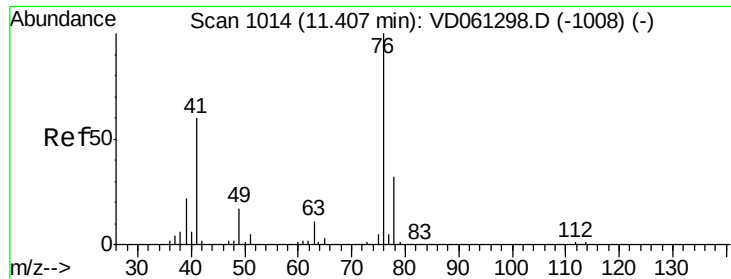
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#56
 Ethyl methacrylate
 Concen: 63.460 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.01 min
 Lab File: VD061313.D
 Acq: 25 Mar 2019 20:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		348009		
41	69.1	54.9	82.3		
39	33.0	28.5	42.7		





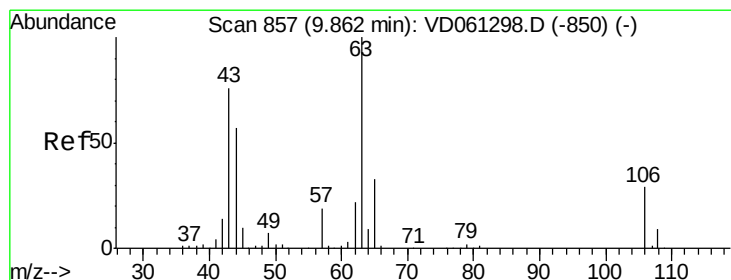
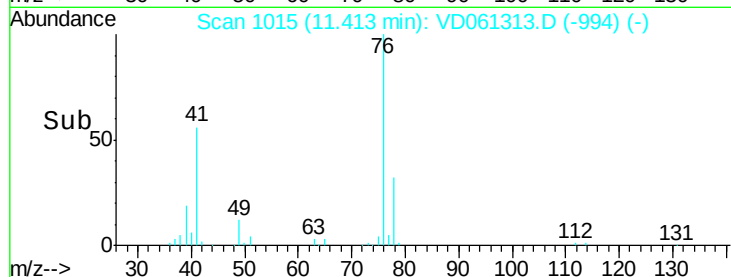
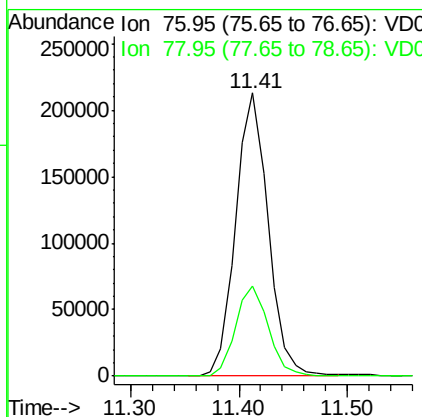
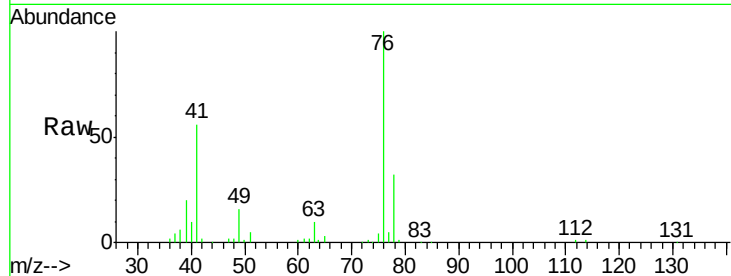
#57
 1,3-Dichloropropane
 Concen: 57.048 ug/l
 RT: 11.41 min Scan# 1015
 Delta R.T. 0.01 min
 Lab File: VD061313.D
 Acq: 25 Mar 2019 20:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 442776
 Ion Ratio Lower Upper
 76 100
 78 31.7 25.7 38.5

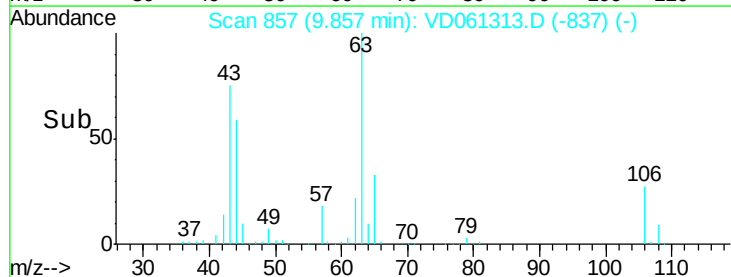
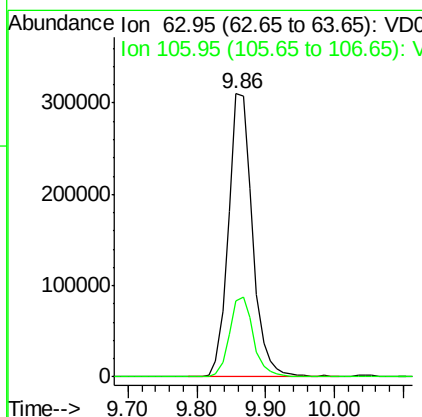
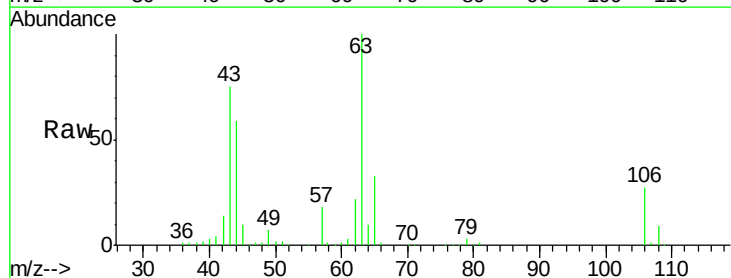
Manual Integrations
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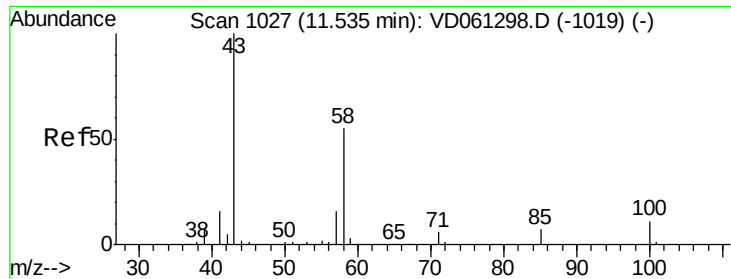
MMDadoda
 3/26/2019 12:18:56 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 262.531 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: VD061313.D
 Acq: 25 Mar 2019 20:53

Tgt Ion: 63 Resp: 748985
 Ion Ratio Lower Upper
 63 100
 106 26.7 23.4 35.0





#59

2-Hexanone

Concen: 312.494 ug/l

RT: 11.53 min Scan# 1027

Delta R.T. -0.00 min

Lab File: VD061313.D

Acq: 25 Mar 2019 20:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 828853

Ion Ratio Lower Upper

43 100

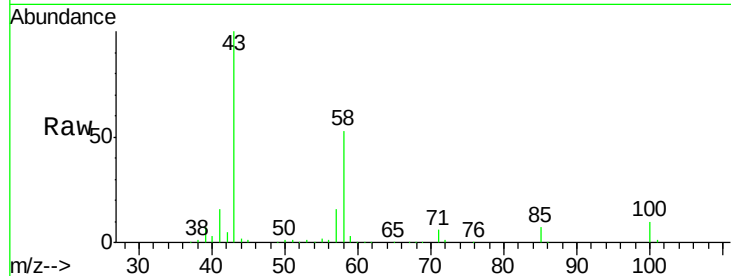
58 52.8 27.4 82.0

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

11.53

400000

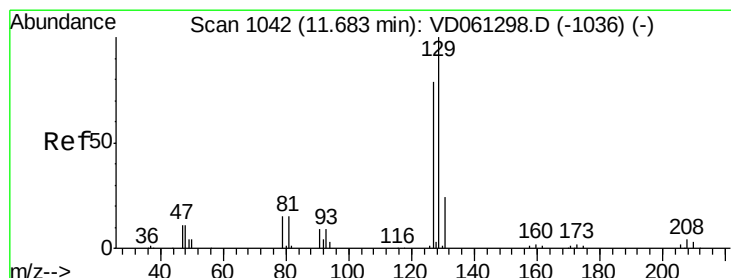
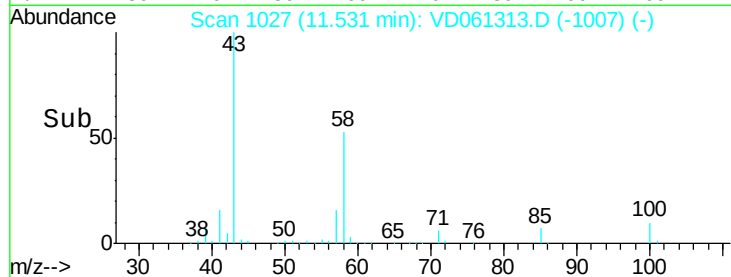
300000

200000

100000

0

Time-->



#60

Dibromochloromethane

Concen: 60.110 ug/l

RT: 11.69 min Scan# 1043

Delta R.T. 0.01 min

Lab File: VD061313.D

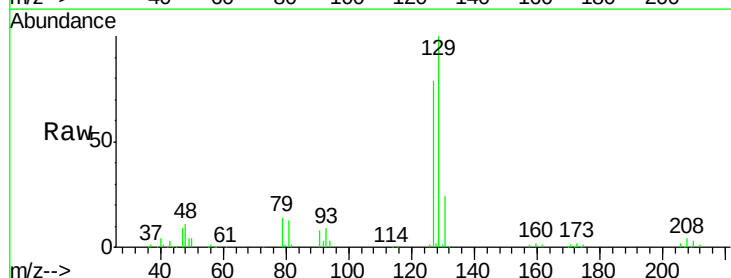
Acq: 25 Mar 2019 20:53

Tgt Ion:129 Resp: 483830

Ion Ratio Lower Upper

129 100

127 79.3 39.6 119.0



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

11.69

300000

250000

200000

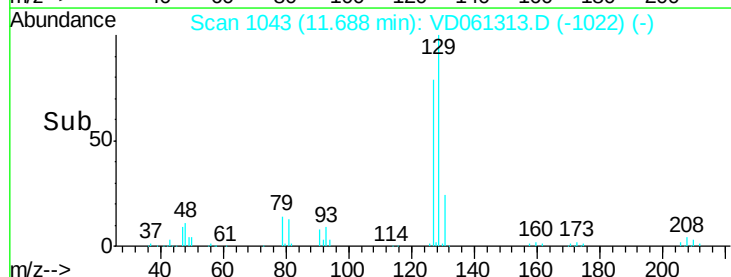
150000

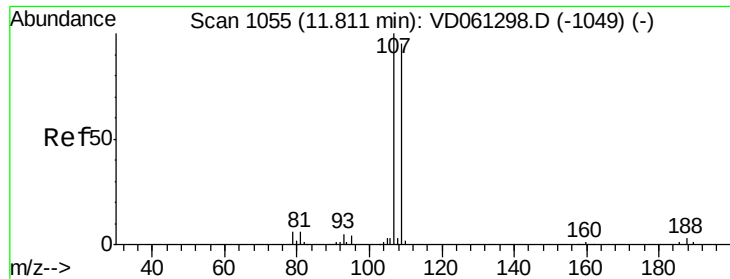
100000

50000

0

Time-->





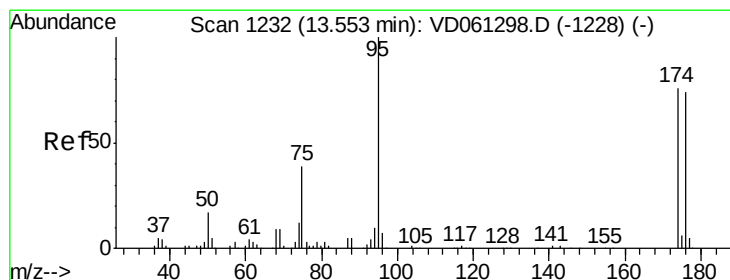
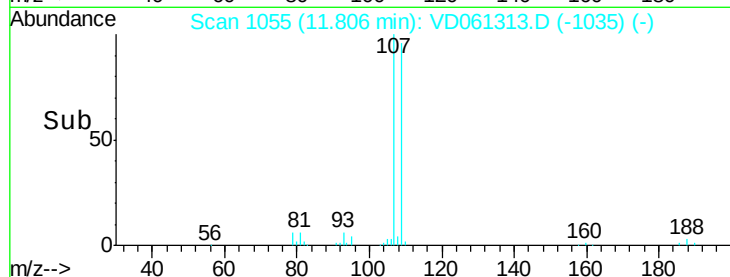
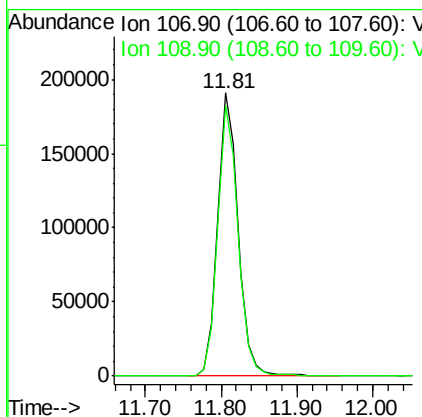
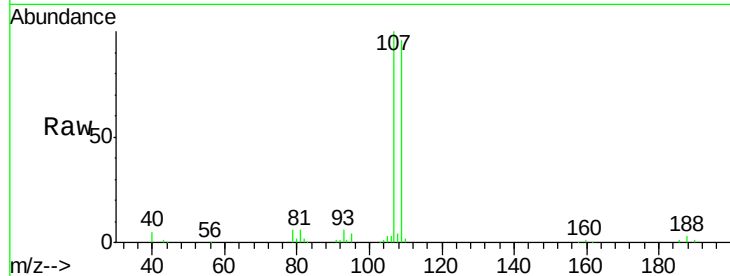
#61
 1,2-Dibromoethane
 Concen: 60.604 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VD061313.D
 Acq: 25 Mar 2019 20:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 363902
 Ion Ratio Lower Upper
 107 100
 109 95.5 76.1 114.1

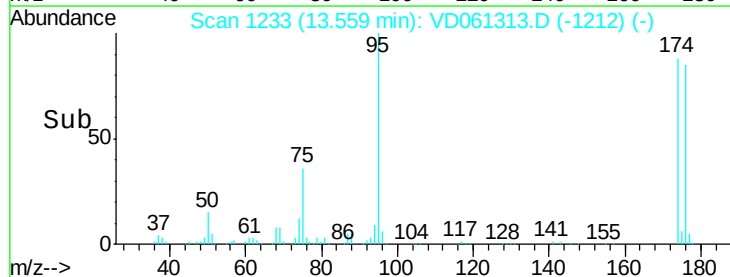
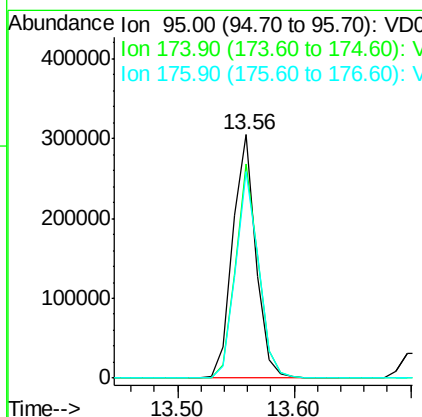
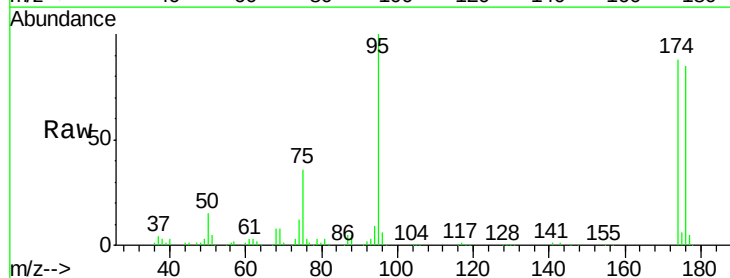
Manual Integrations
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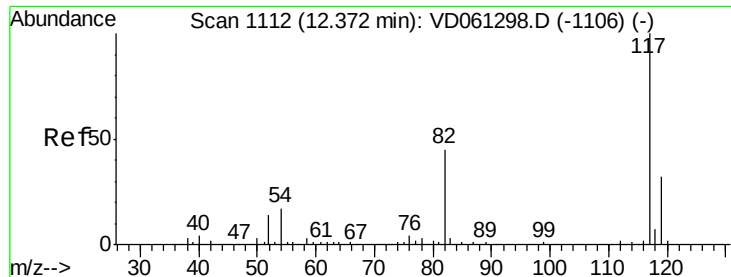
MMDadoda
 3/26/2019 12:18:56 PM



#62
 4-Bromofluorobenzene
 Concen: 60.604 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD061313.D
 Acq: 25 Mar 2019 20:53

Tgt Ion: 95 Resp: 418234
 Ion Ratio Lower Upper
 95 100
 174 87.8 0.0 151.8
 176 84.6 0.0 148.0





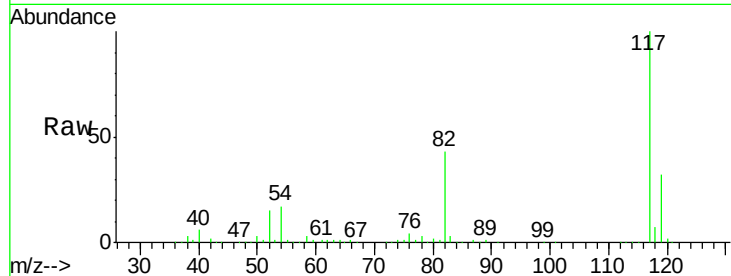
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD061313.D
Acq: 25 Mar 2019 20:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	956811		
82	43.4	35.7	53.5	
119	32.0	25.9	38.9	

Manual Integrations
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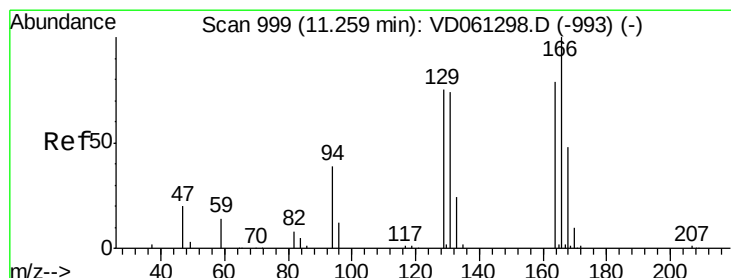
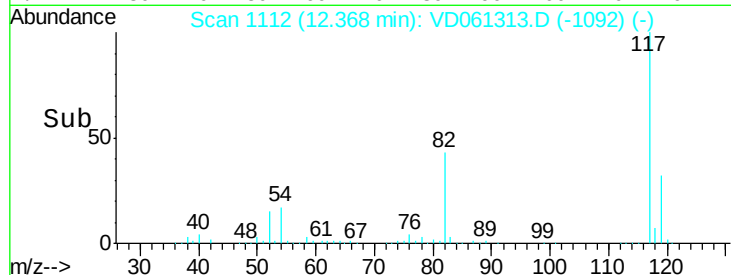
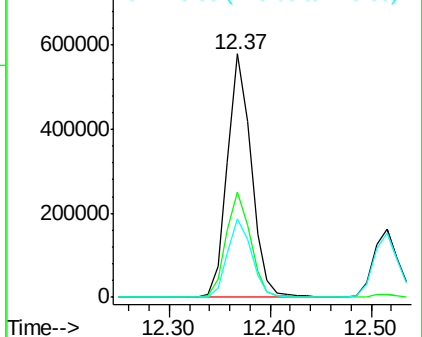


Abundance

Ion 116.95 (116.65 to 117.65): V

Ion 82.05 (81.75 to 82.75): V

Ion 118.95 (118.65 to 119.65): V



#64
Tetrachloroethene
Concen: 55.944 ug/l
RT: 11.26 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VD061313.D
Acq: 25 Mar 2019 20:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	368738		
166	126.1	101.6	152.4	
129	89.2	75.9	113.9	
131	87.1	75.3	112.9	

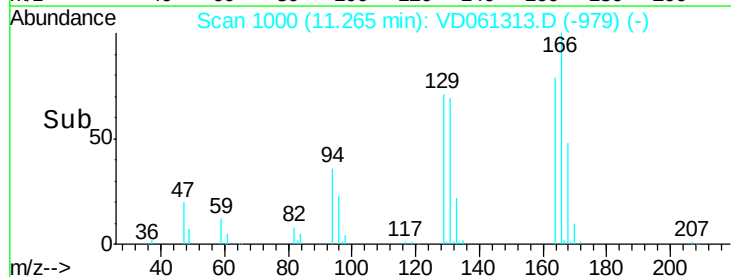
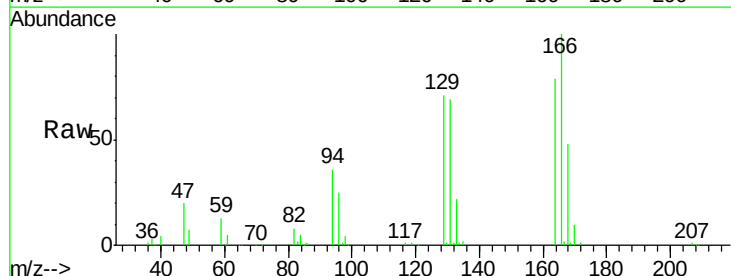
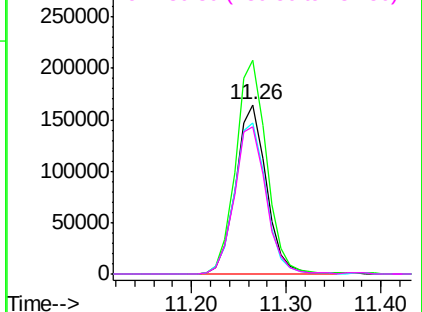
Abundance

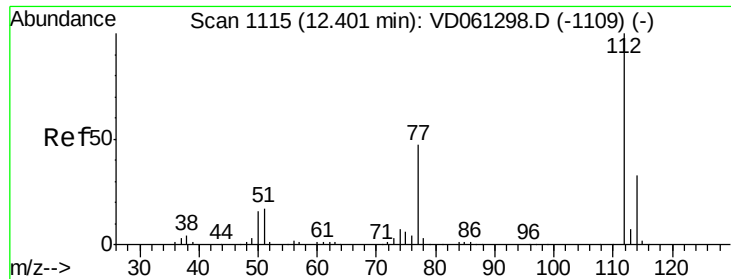
Ion 163.85 (163.55 to 164.55): V

Ion 165.85 (165.55 to 166.55): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





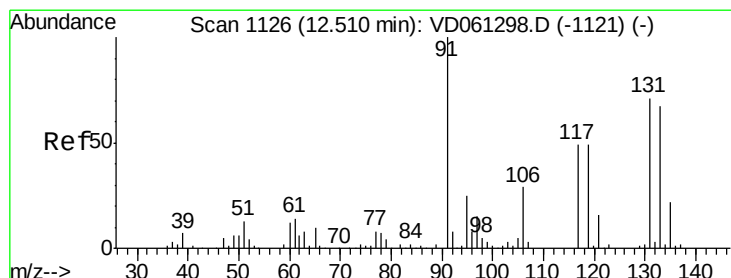
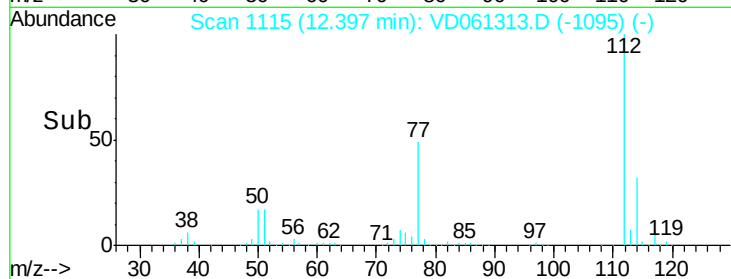
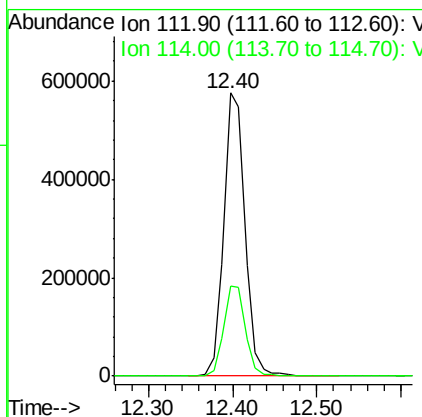
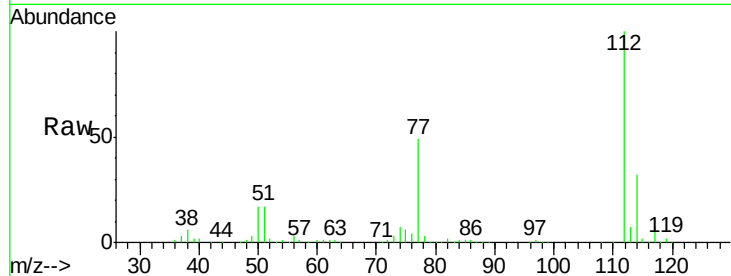
#65
Chlorobenzene
Concen: 56.791 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD061313.D
Acq: 25 Mar 2019 20:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 1000864
Ion Ratio Lower Upper
112 100
114 31.9 26.5 39.7

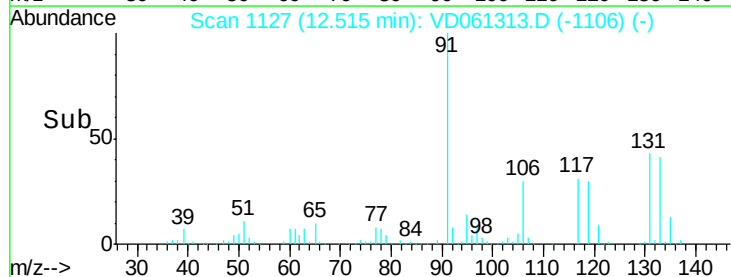
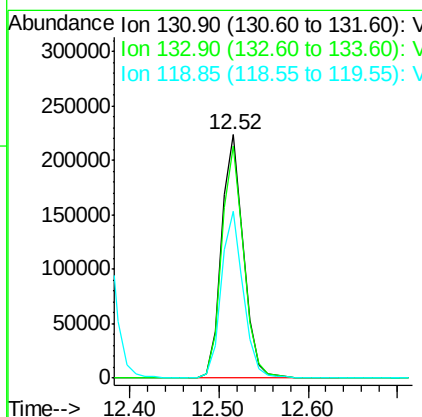
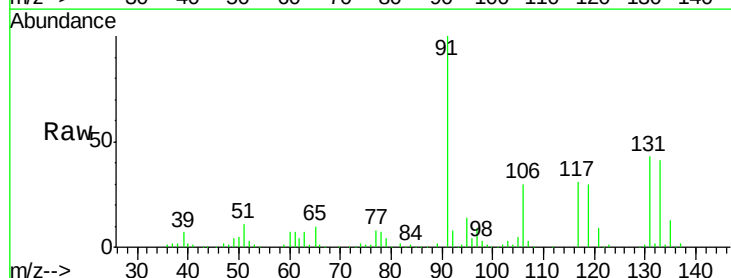
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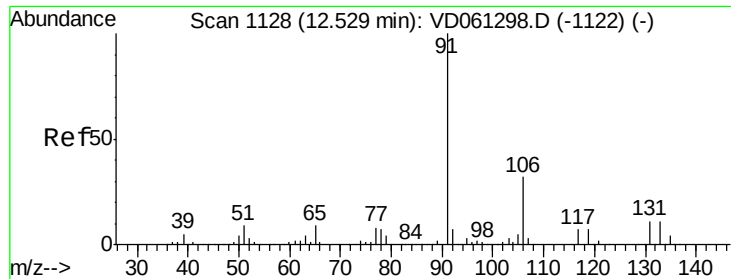
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 56.813 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD061313.D
Acq: 25 Mar 2019 20:53

Tgt Ion:131 Resp: 388192
Ion Ratio Lower Upper
131 100
133 95.6 47.0 141.2
119 68.6 34.8 104.5





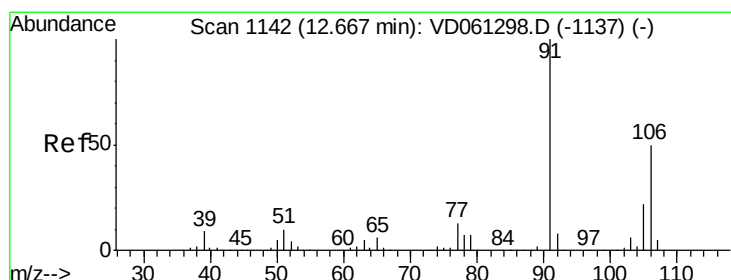
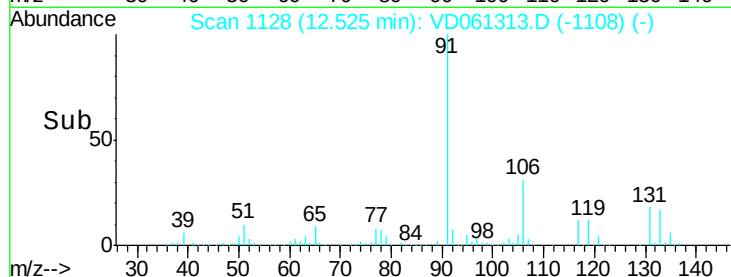
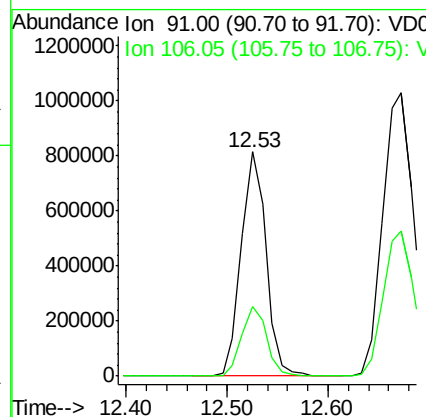
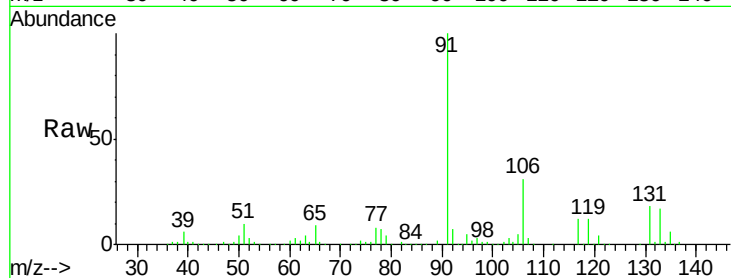
#67
Ethyl Benzene
Concen: 51.959 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VD061313.D
Acq: 25 Mar 2019 20:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1401384
Ion Ratio Lower Upper
91 100
106 31.3 25.8 38.8

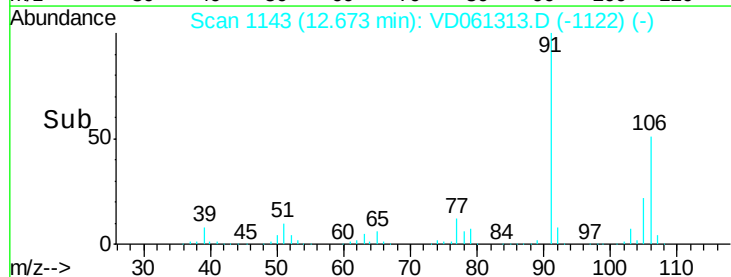
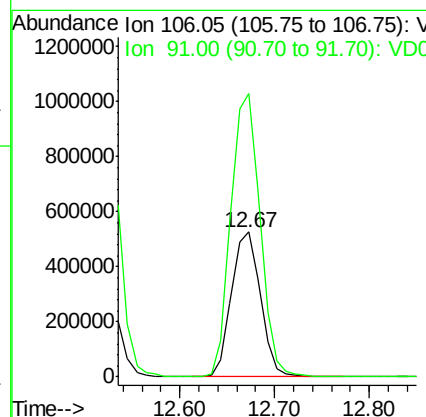
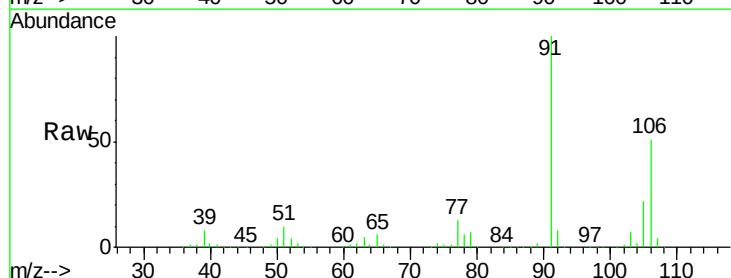
Manual Integrations
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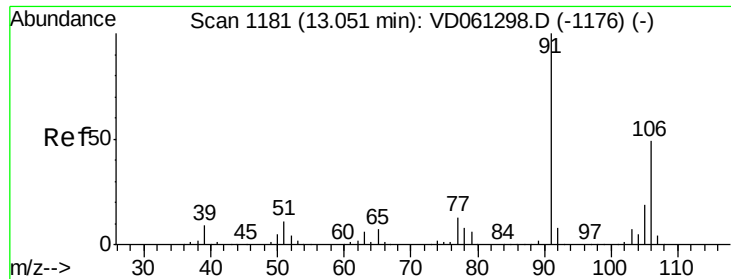
MMDadoda
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#68
m/p-Xylenes
Concen: 105.900 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD061313.D
Acq: 25 Mar 2019 20:53

Tgt Ion: 106 Resp: 1114938
Ion Ratio Lower Upper
106 100
91 195.6 159.2 238.8





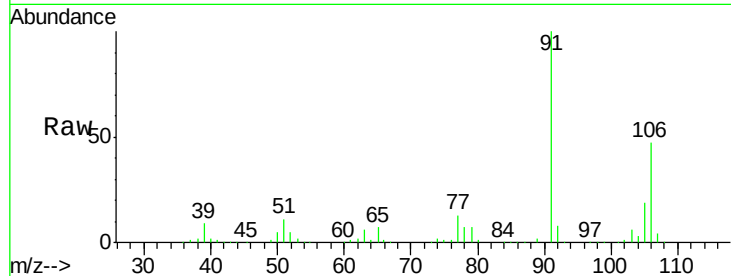
#69
o-Xylene
Concen: 54.948 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD061313.D
Acq: 25 Mar 2019 20:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

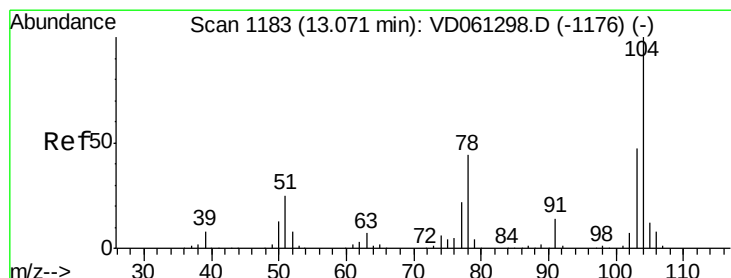
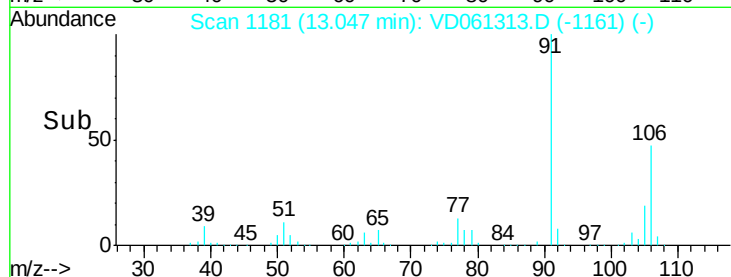
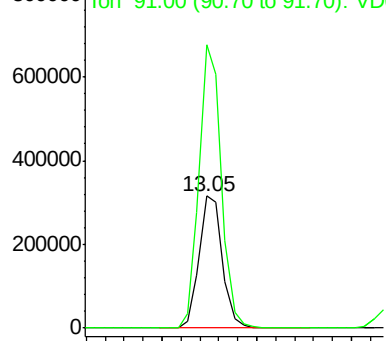
Tot Ion:106 Resp: 536543
Ion Ratio Lower Upper
106 100
91 214.9 102.5 307.5

Manual Integrations
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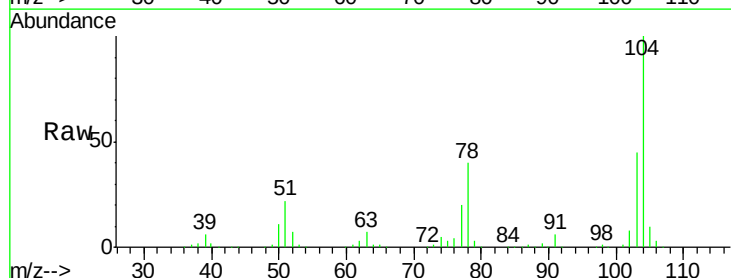


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

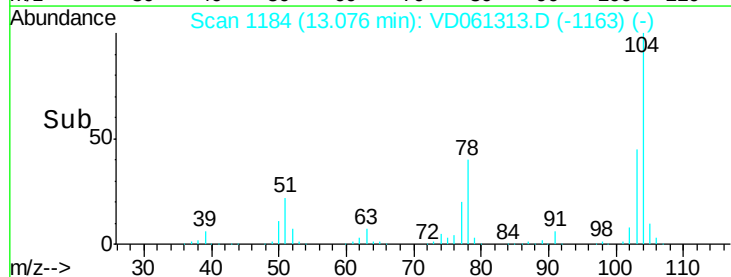
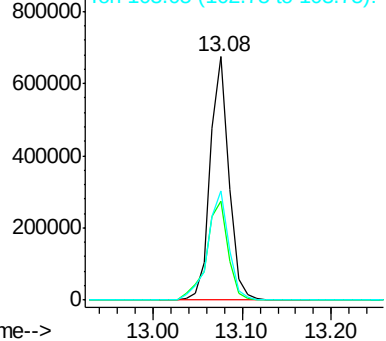


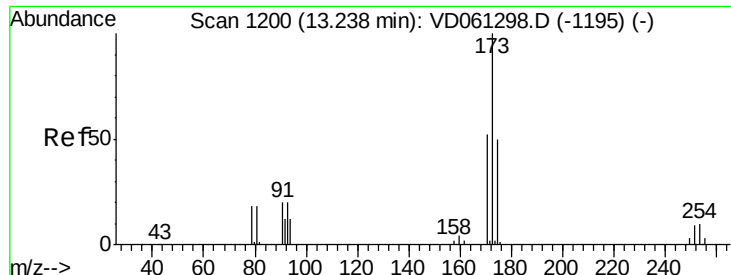
#70
Styrene
Concen: 59.543 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD061313.D
Acq: 25 Mar 2019 20:53

Tgt Ion:104 Resp: 986719
Ion Ratio Lower Upper
104 100
78 40.5 35.1 52.7
103 45.0 37.5 56.3



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: 63.449 ug/l

RT: 13.23 min Scan# 1200

Delta R.T. -0.00 min

Lab File: VD061313.D

Acq: 25 Mar 2019 20:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 265293

Ion Ratio Lower Upper

173 100

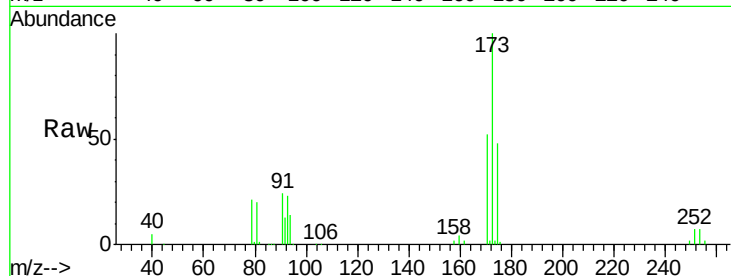
175 47.9 24.9 74.7

254 7.0 7.8 11.6#

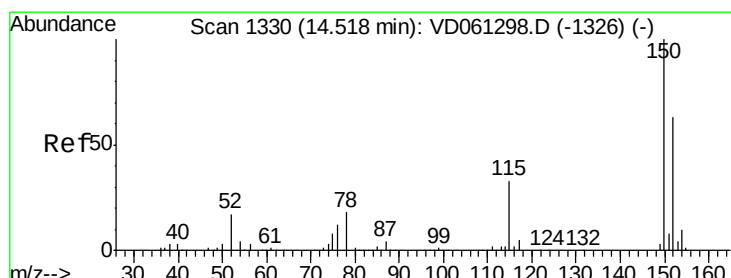
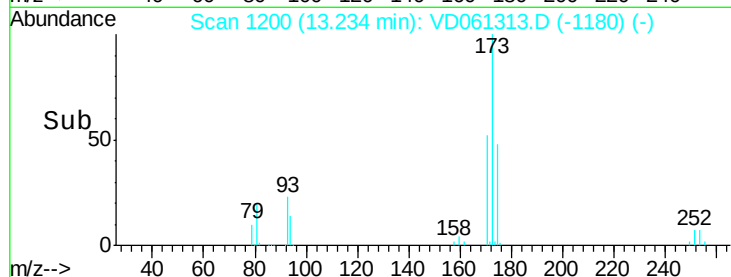
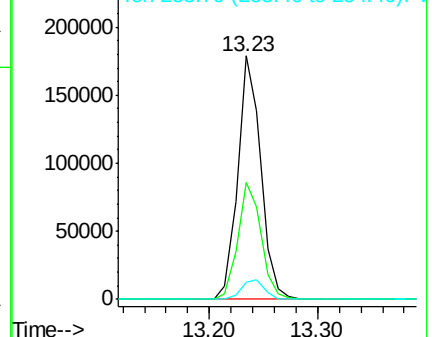
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Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD061313.D

Acq: 25 Mar 2019 20:53

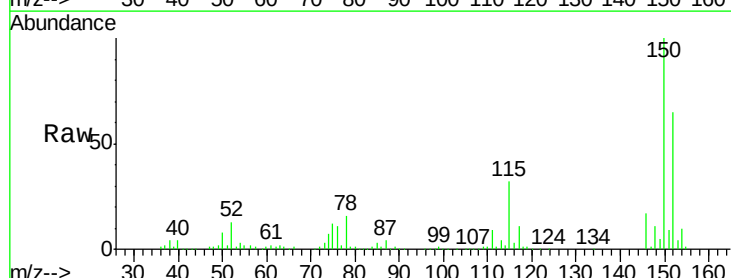
Tgt Ion:152 Resp: 455310

Ion Ratio Lower Upper

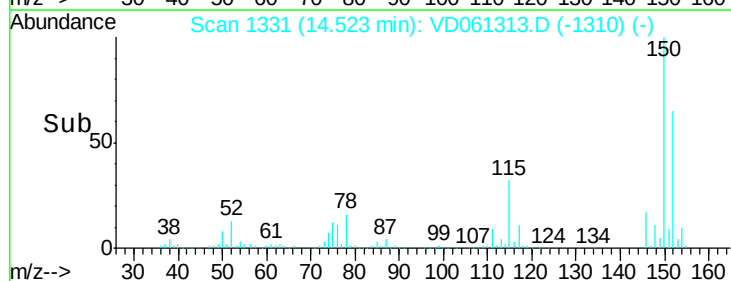
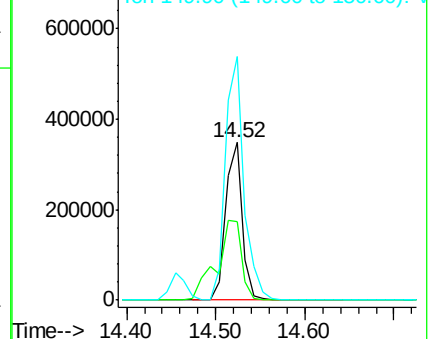
152 100

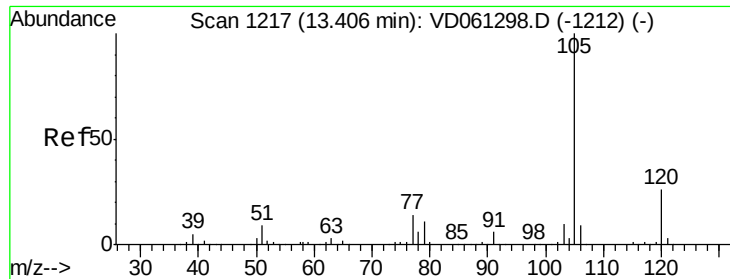
115 49.8 29.2 87.6

150 154.6 0.0 319.6



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: 48.313 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD061313.D

Acq: 25 Mar 2019 20:53

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050EC

Tot Ion:105 Resp: 1430768

Ion Ratio Lower Upper

105 100

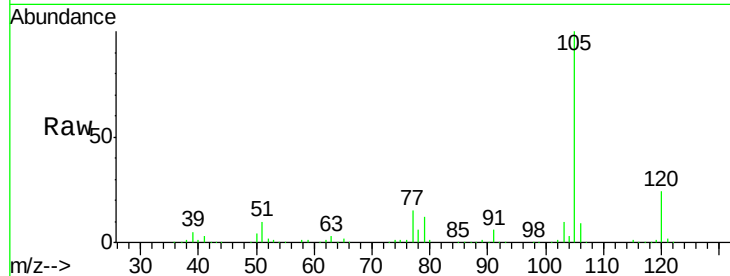
120 24.5 13.1 39.1

Manual Integrations

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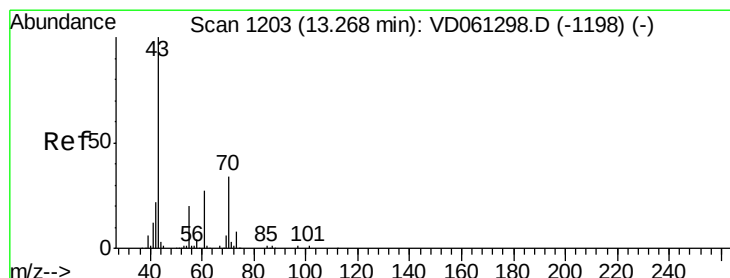
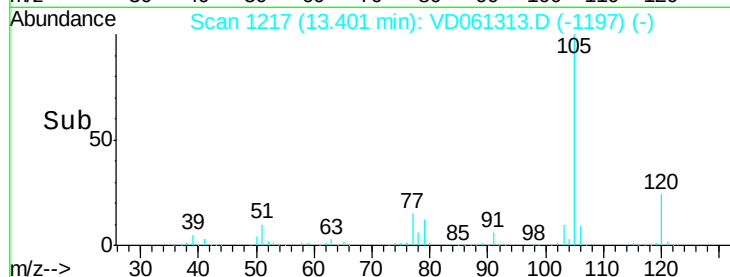
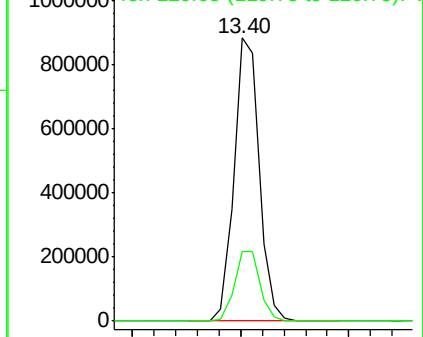
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 53.106 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD061313.D

Acq: 25 Mar 2019 20:53

Tgt Ion: 43 Resp: 411463

Ion Ratio Lower Upper

43 100

70 31.0 27.5 41.3

55 18.9 15.7 23.5

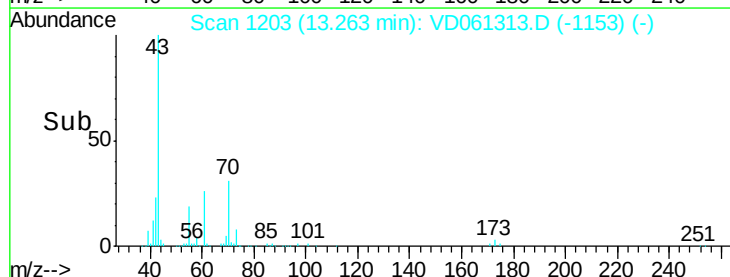
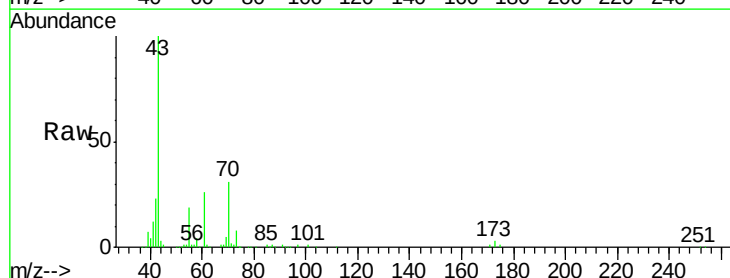
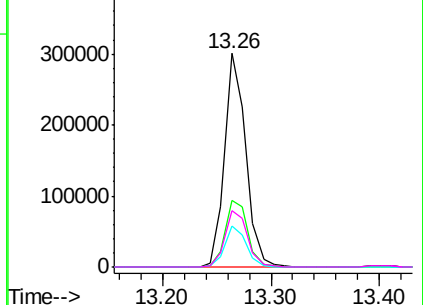
61 26.4 21.8 32.6

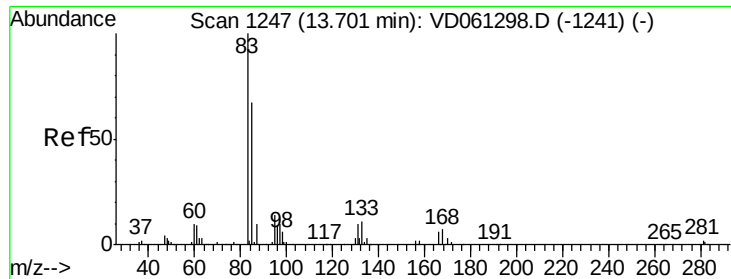
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 58.781 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD061313.D

Acq: 25 Mar 2019 20:53

Instrument :

MSVOA_D

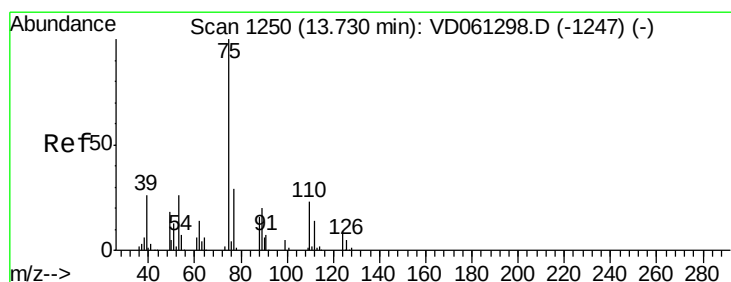
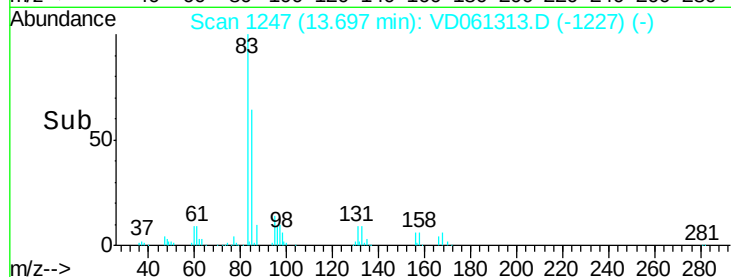
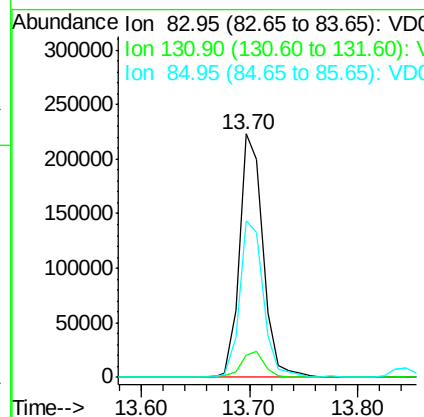
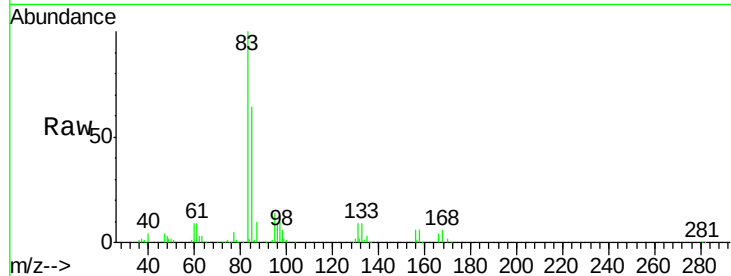
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	337571
Ion Ratio	Lower	Upper	
83	100		
131	9.0	5.0	15.0
85	64.4	33.4	100.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 60.389 ug/l

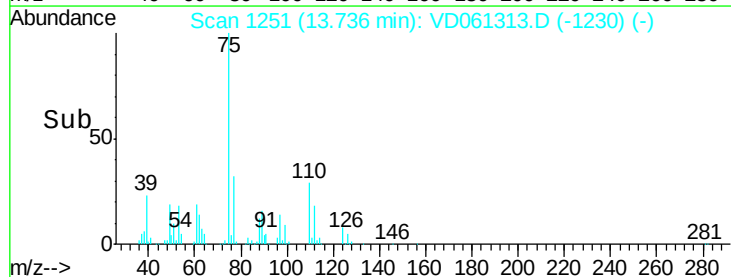
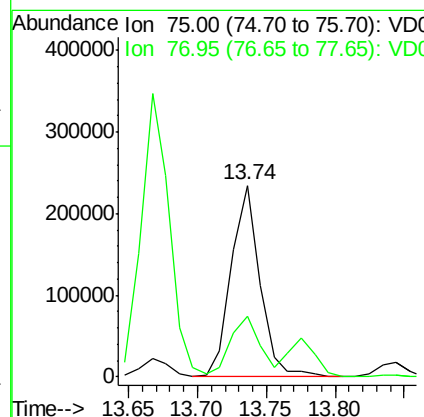
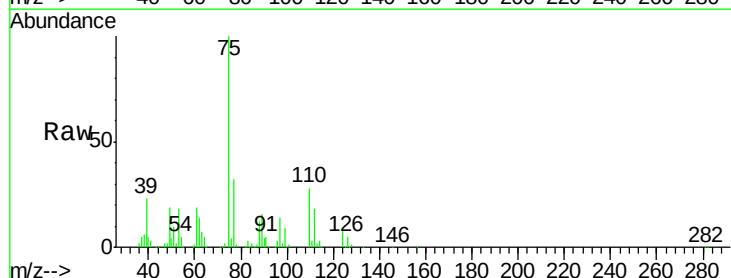
RT: 13.74 min Scan# 1251

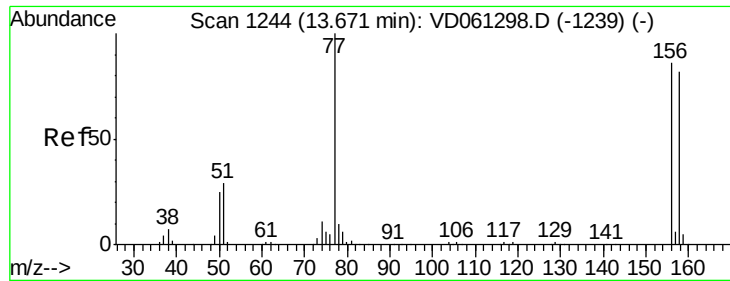
Delta R.T. 0.01 min

Lab File: VD061313.D

Acq: 25 Mar 2019 20:53

Tgt Ion:	75	Resp:	341941
Ion Ratio	Lower	Upper	
75	100		
77	32.0	15.8	47.4





#77

Bromobenzene

Concen: 50.388 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD061313.D

Acq: 25 Mar 2019 20:53

Instrument :

MSVOA_D

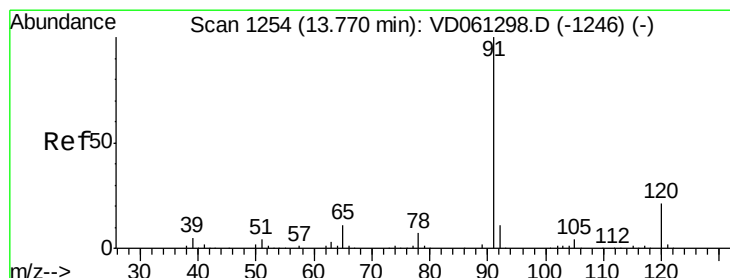
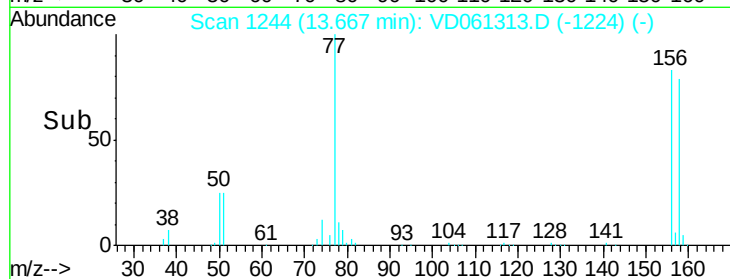
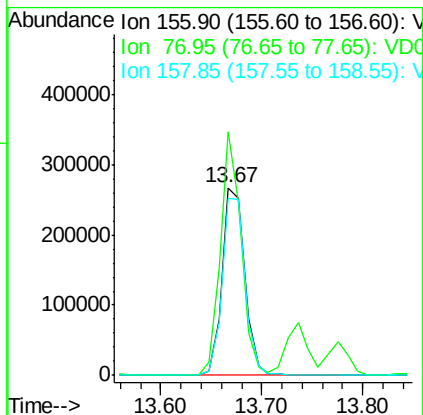
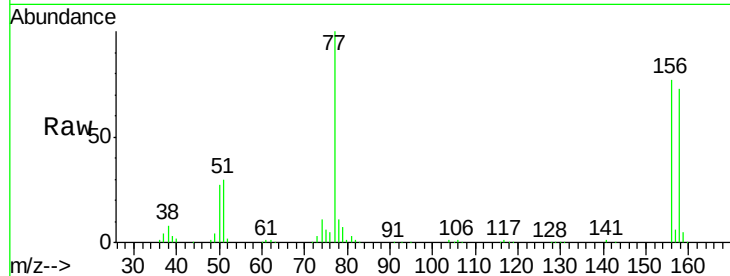
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		416816		
77	129.8	58.4	175.1		
158	94.7	48.1	144.3		

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#78

n-propylbenzene

Concen: 55.056 ug/l

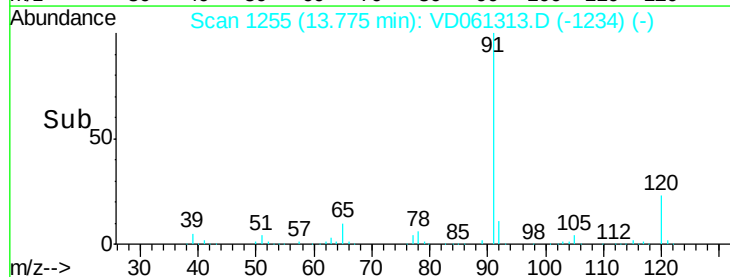
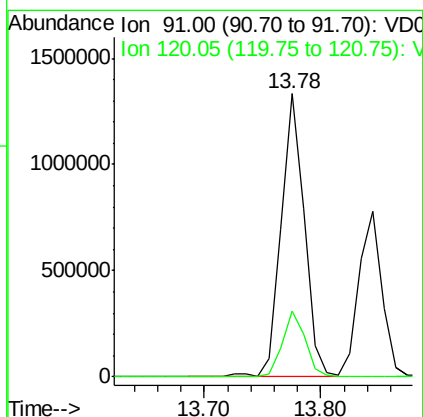
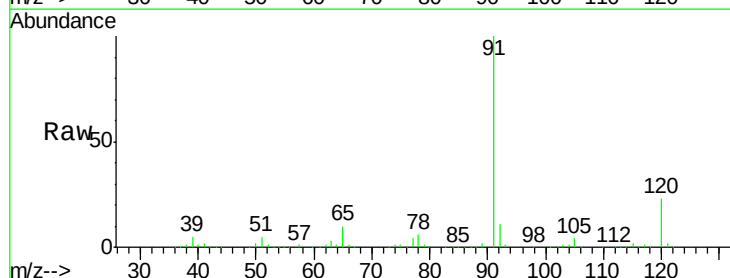
RT: 13.78 min Scan# 1255

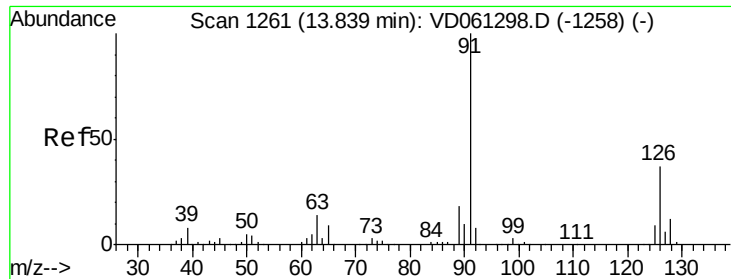
Delta R.T. 0.01 min

Lab File: VD061313.D

Acq: 25 Mar 2019 20:53

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		1839473		
120	23.2	10.7	32.1		





#79

2-Chlorotoluene

Concen: 55.214 ug/l

RT: 13.84 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VD061313.D

Acq: 25 Mar 2019 20:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1074092

Ion Ratio Lower Upper

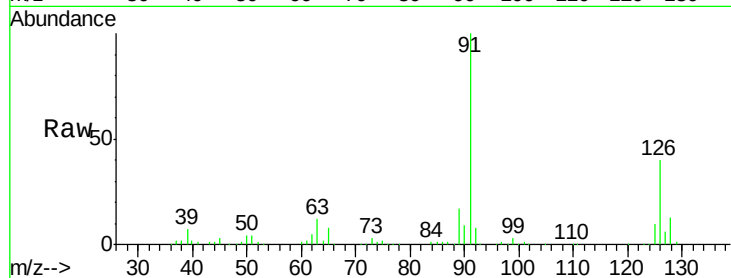
91 100

126 39.5 18.4 55.4

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VD061298.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD061298.D (-1258) (-)

1500000

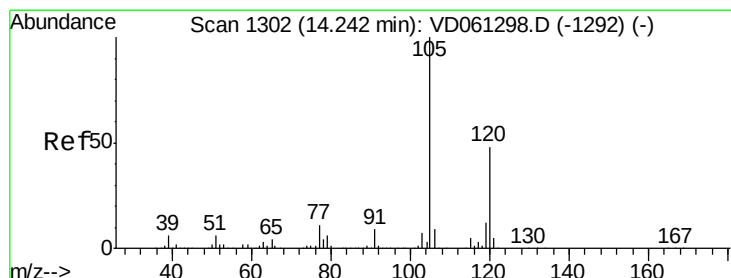
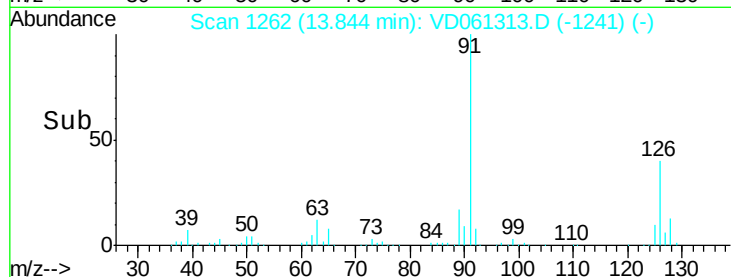
1000000

500000

0

13.80 13.85 13.90

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 52.367 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VD061313.D

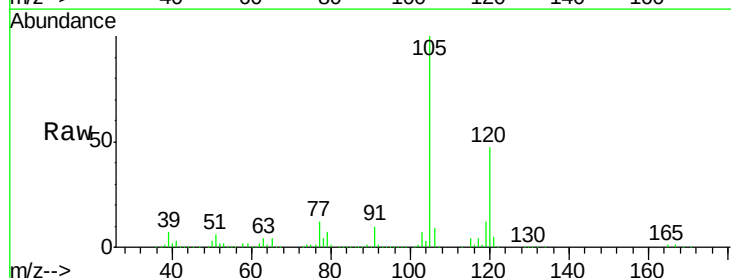
Acq: 25 Mar 2019 20:53

Tgt Ion:105 Resp: 1223417

Ion Ratio Lower Upper

105 100

120 46.8 23.8 71.4



Abundance Ion 105.05 (104.75 to 105.75): VD061298.D (-1292) (-)

Ion 120.05 (119.75 to 120.75): VD061298.D (-1292) (-)

1200000

1000000

800000

600000

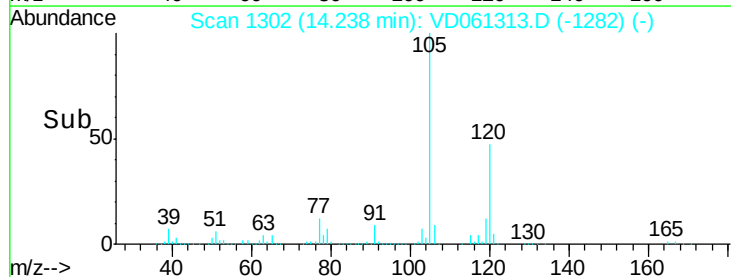
400000

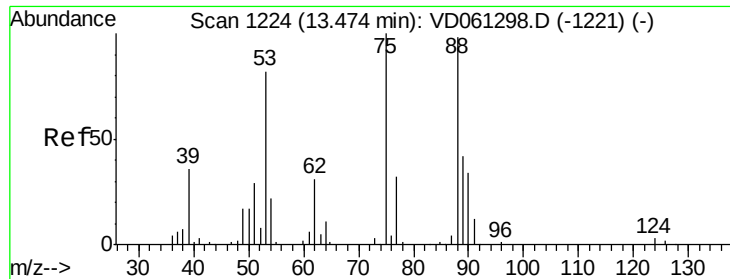
200000

0

14.10 14.20 14.30

Time-->





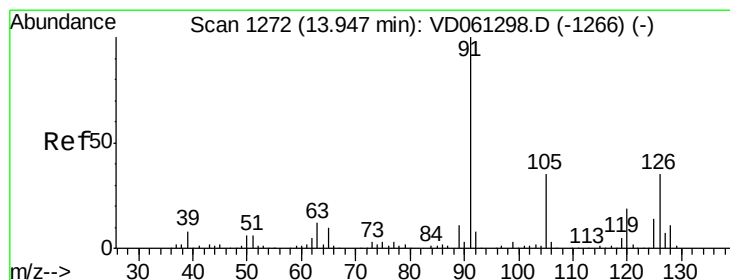
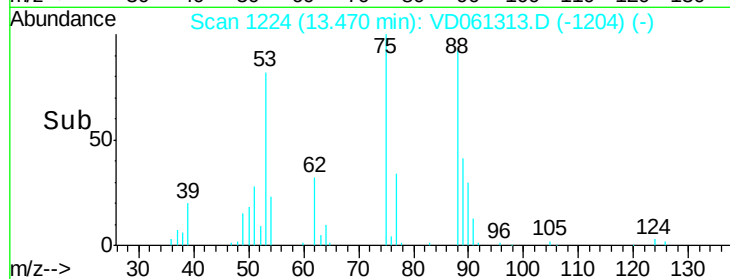
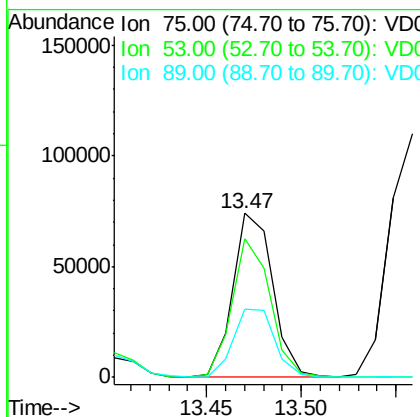
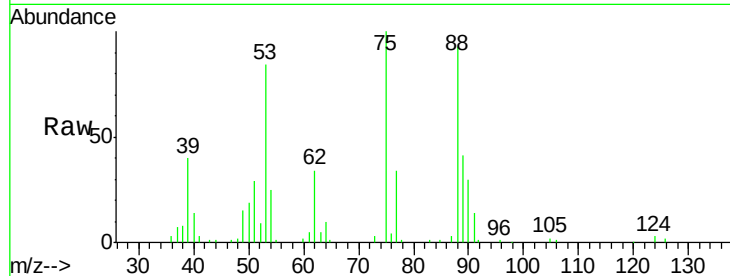
#81
trans-1,4-Dichloro-2-butene
Concen: 60.529 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. -0.00 min
Lab File: VD061313.D
Acq: 25 Mar 2019 20:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	84.5	65.3	97.9
89	41.2	33.8	50.6

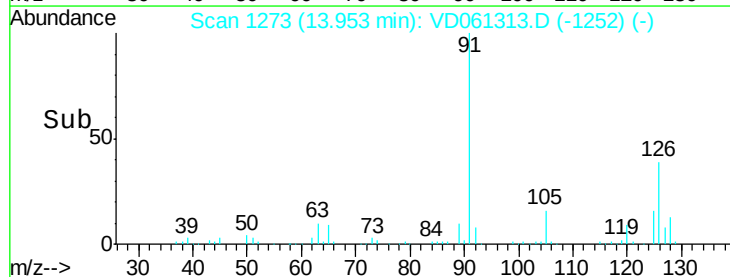
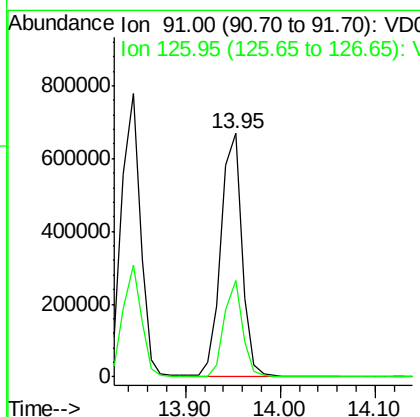
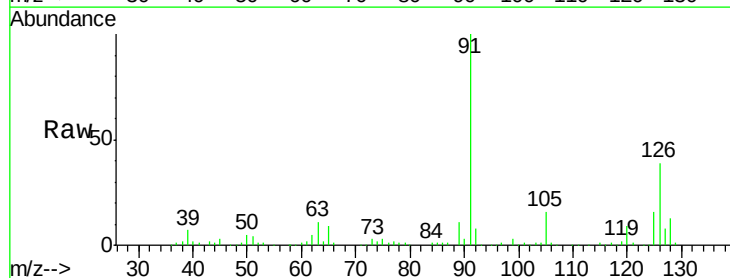
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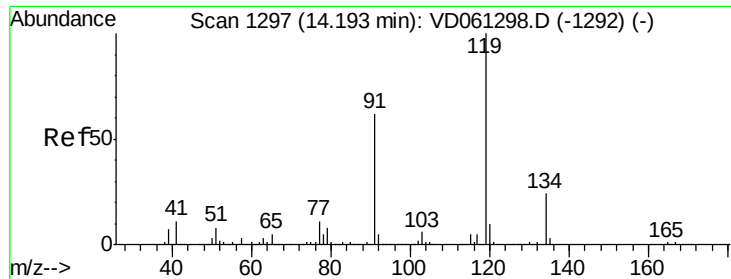
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#82
4-Chlorotoluene
Concen: 48.514 ug/l
RT: 13.95 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VD061313.D
Acq: 25 Mar 2019 20:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	39.4	17.7	53.1





#83

tert-Butylbenzene

Concen: 55.264 ug/l

RT: 14.19 min Scan# 1297

Delta R.T. -0.00 min

Lab File: VD061313.D

Acq: 25 Mar 2019 20:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:119 Resp: 1474132

Ion Ratio Lower Upper

119 100

91 66.8 31.1 93.5

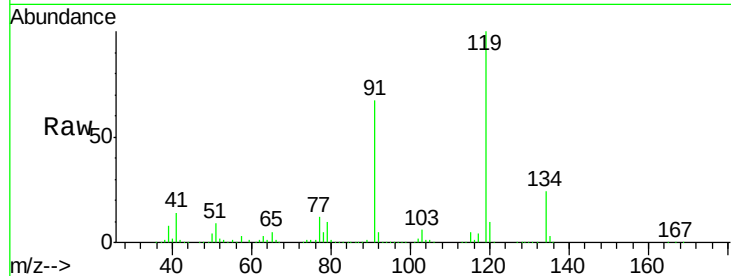
134 24.1 11.9 35.7

Manual Integrations

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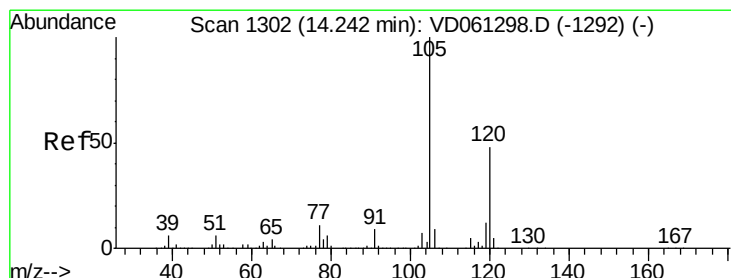
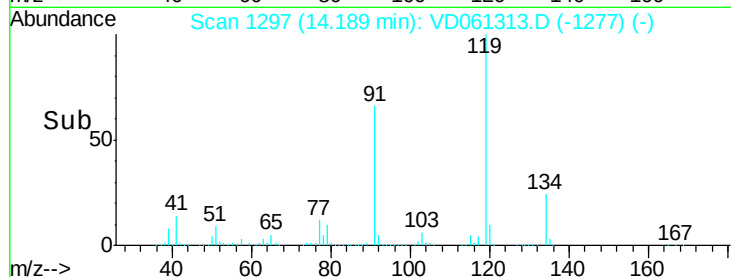
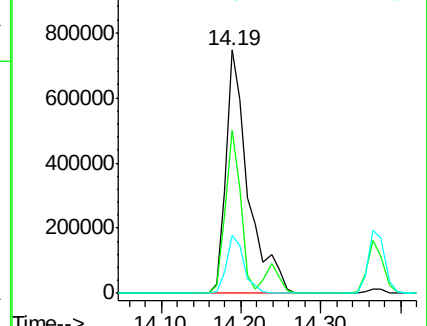
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Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 52.367 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. -0.00 min

Lab File: VD061313.D

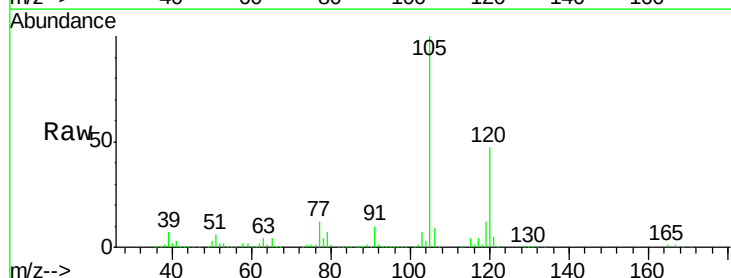
Acq: 25 Mar 2019 20:53

Tgt Ion:105 Resp: 1223417

Ion Ratio Lower Upper

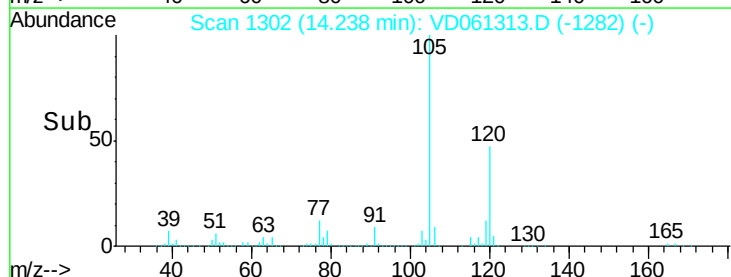
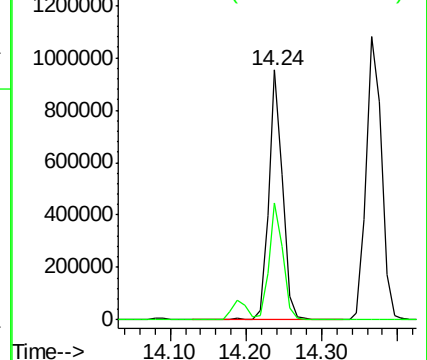
105 100

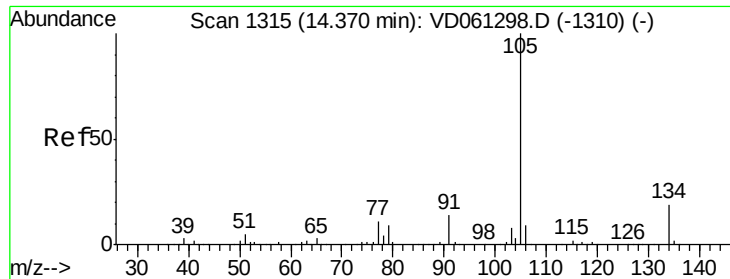
120 46.8 23.8 71.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 50.073 ug/l

RT: 14.37 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VD061313.D

Acq: 25 Mar 2019 20:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1487487

Ion Ratio Lower Upper

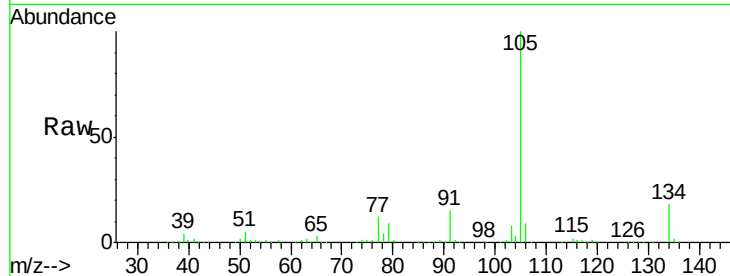
105 100

134 18.1 9.5 28.5

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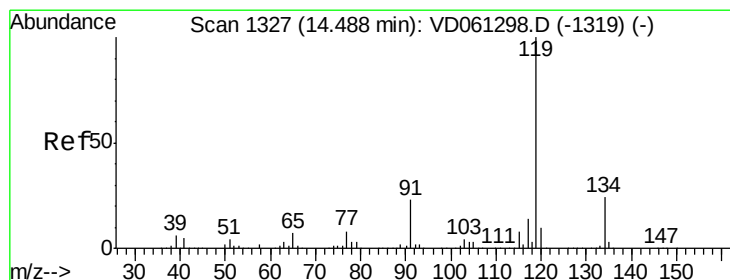
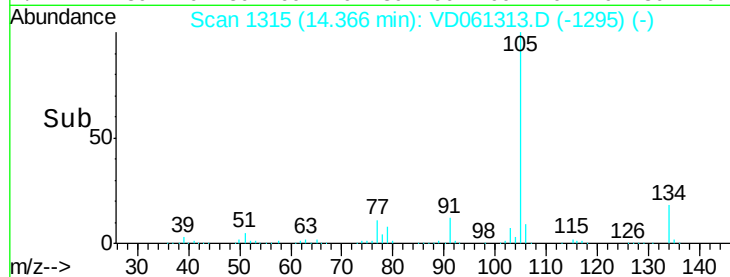
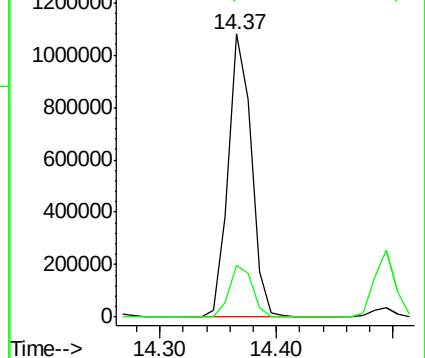
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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 48.839 ug/l

RT: 14.49 min Scan# 1328

Delta R.T. 0.01 min

Lab File: VD061313.D

Acq: 25 Mar 2019 20:53

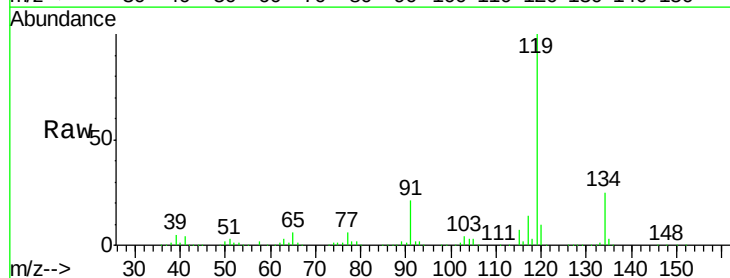
Tgt Ion:119 Resp: 1294375

Ion Ratio Lower Upper

119 100

134 25.3 12.1 36.3

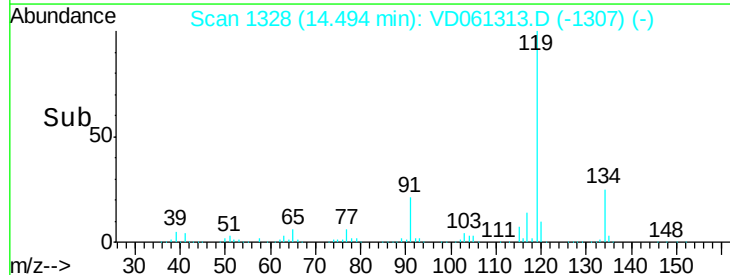
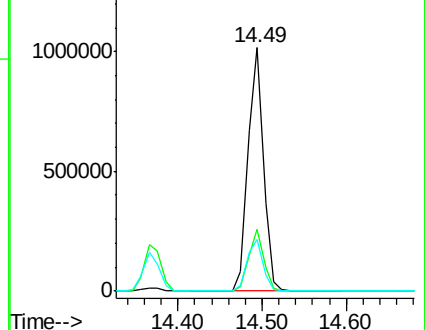
91 21.2 11.4 34.2

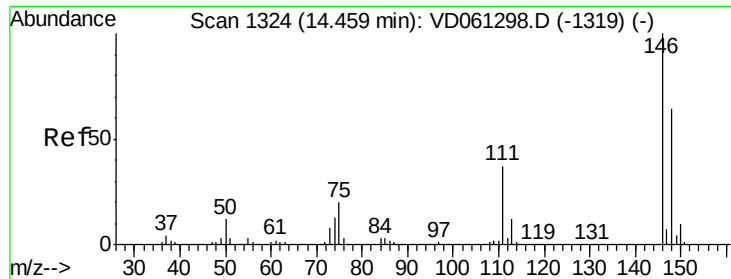


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V





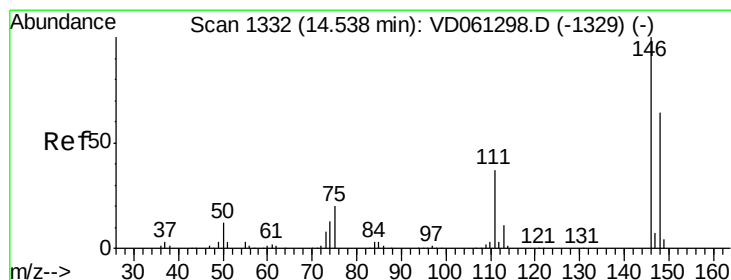
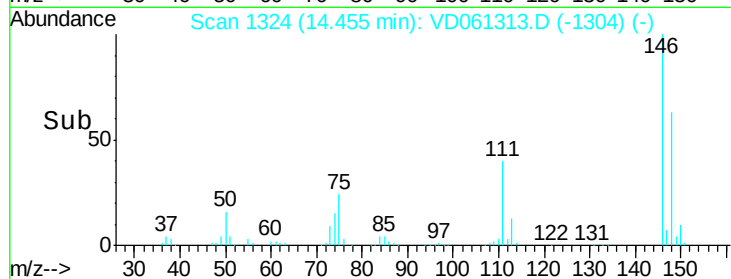
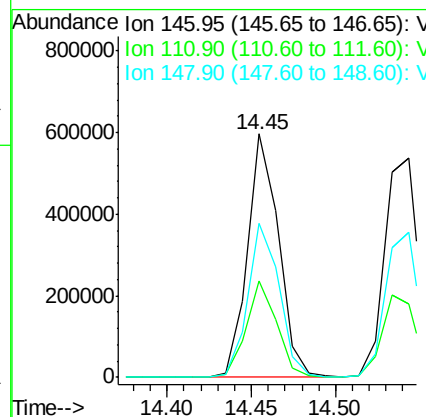
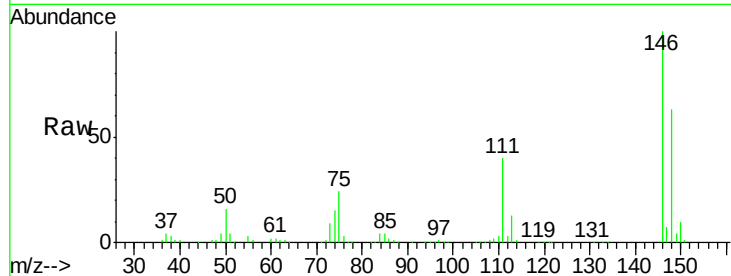
#87
 1,3-Dichlorobenzene
 Concen: 52.122 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD061313.D
 Acq: 25 Mar 2019 20:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	18.4	55.0
148	63.4	32.0	96.2

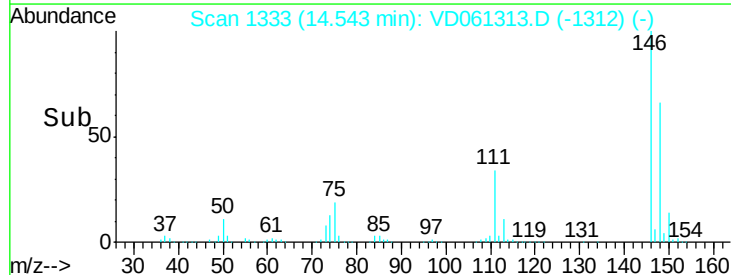
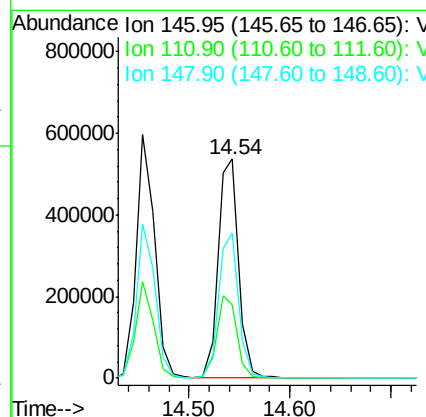
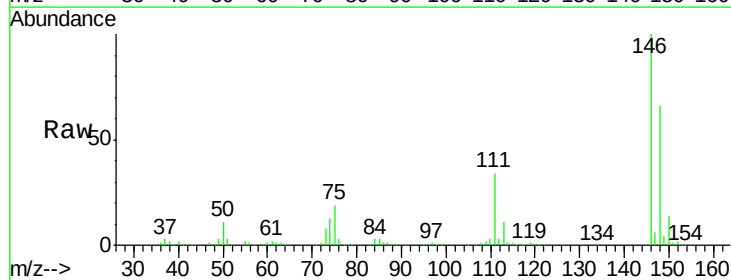
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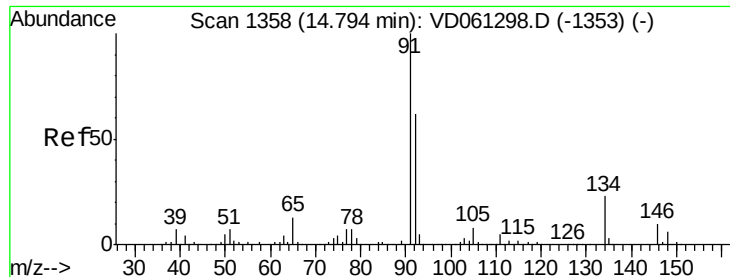
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#88
 1,4-Dichlorobenzene
 Concen: 53.598 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD061313.D
 Acq: 25 Mar 2019 20:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.7	18.6	55.6
148	66.5	31.9	95.5





#89

n-Butylbenzene

Concen: 50.877 ug/l

RT: 14.80 min Scan# 1359

Delta R.T. 0.01 min

Lab File: VD061313.D

Acq: 25 Mar 2019 20:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1197140

Ion Ratio Lower Upper

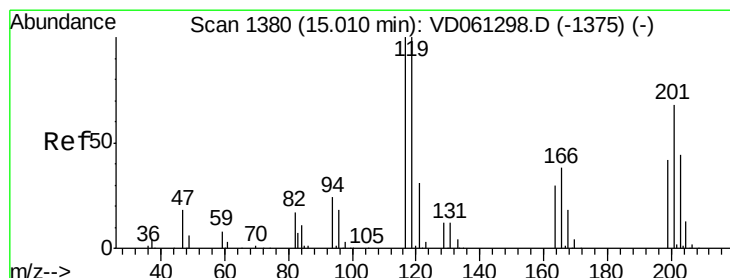
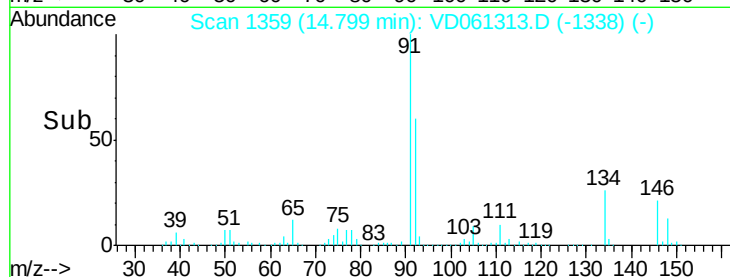
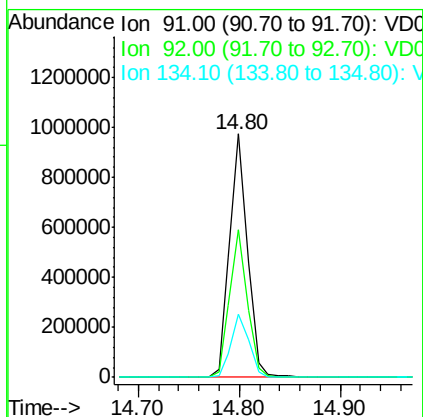
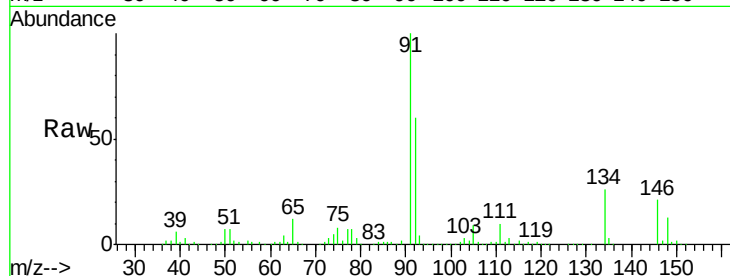
91 100

92 60.4 30.9 92.7

134 25.9 11.7 35.0

Manual Integrations
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#90

Hexachloroethane

Concen: 51.605 ug/l

RT: 15.01 min Scan# 1380

Delta R.T. -0.00 min

Lab File: VD061313.D

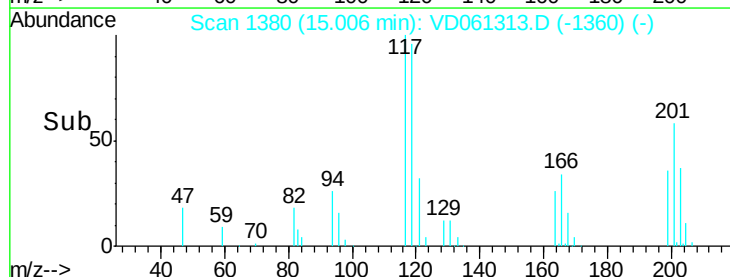
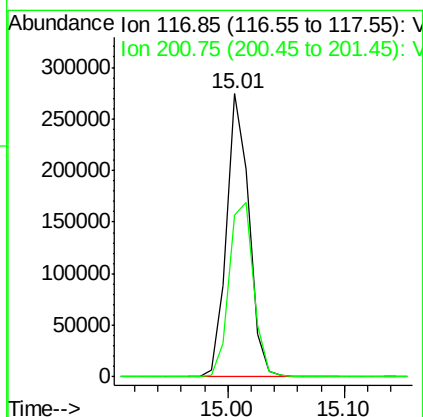
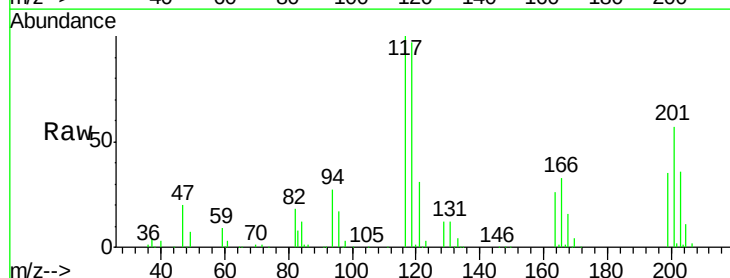
Acq: 25 Mar 2019 20:53

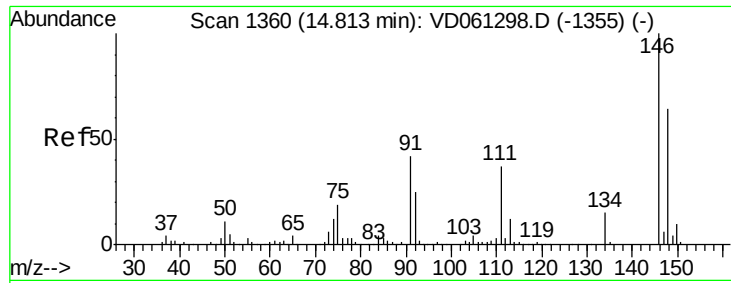
Tgt Ion: 117 Resp: 366695

Ion Ratio Lower Upper

117 100

201 57.4 34.0 101.8





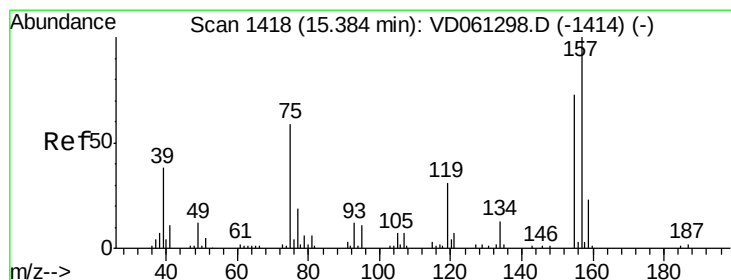
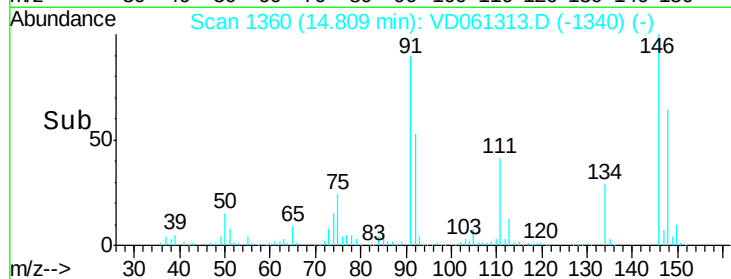
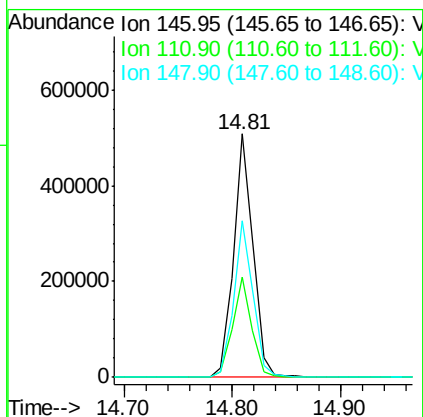
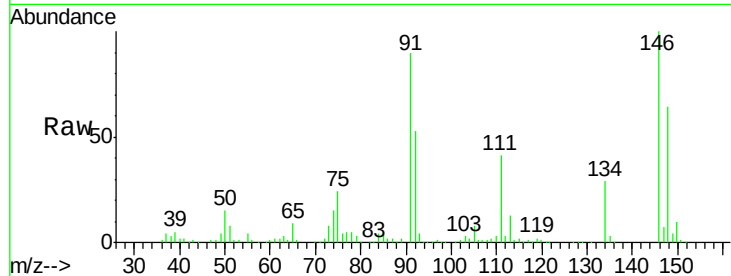
#91
 1,2-Dichlorobenzene
 Concen: 54.238 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD061313.D
 Acq: 25 Mar 2019 20:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	18.3	54.8
148	64.3	31.9	95.7

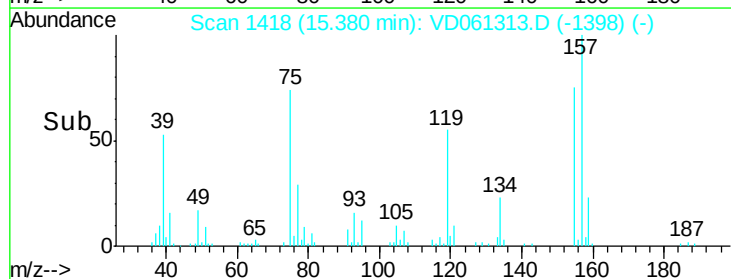
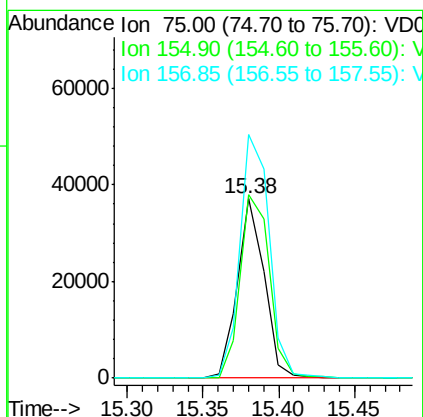
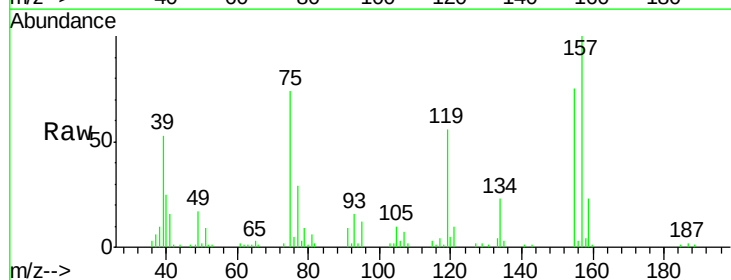
Manual Integrations
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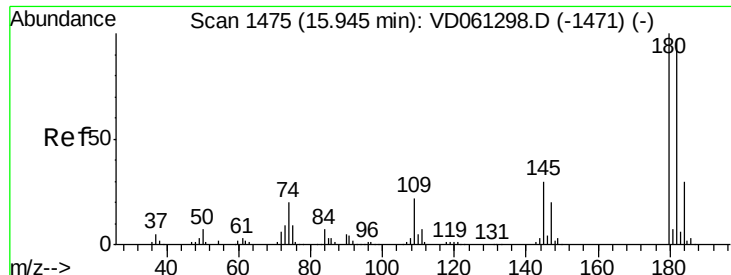
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 63.490 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. -0.00 min
 Lab File: VD061313.D
 Acq: 25 Mar 2019 20:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.2	61.9	185.7
157	135.9	84.4	253.2





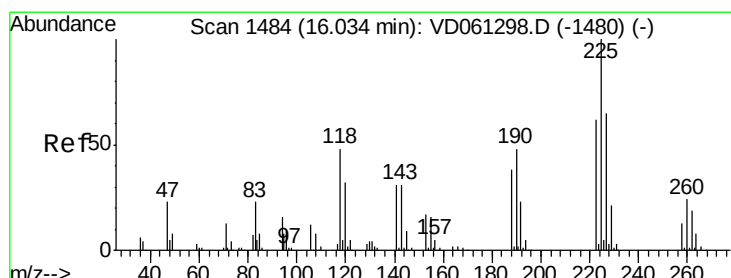
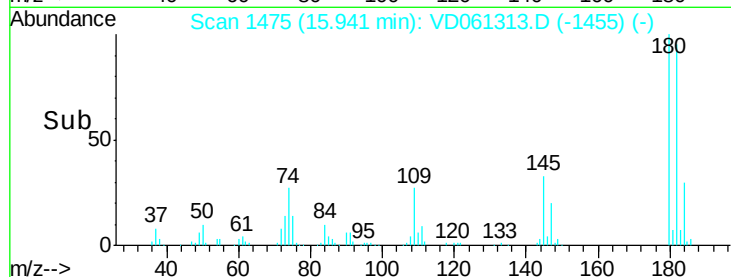
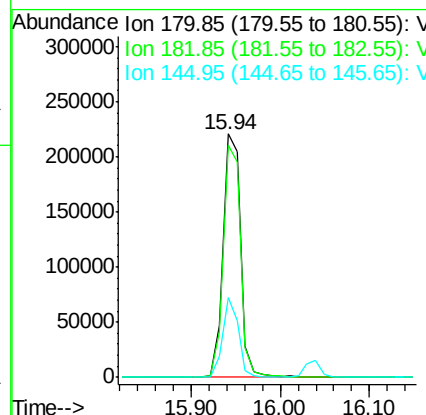
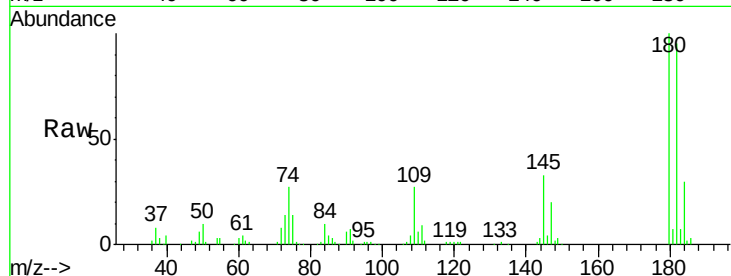
#93
 1,2,4-Trichlorobenzene
 Concen: 56.339 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD061313.D
 Acq: 25 Mar 2019 20:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	48.3	144.9
145	32.7	14.8	44.4

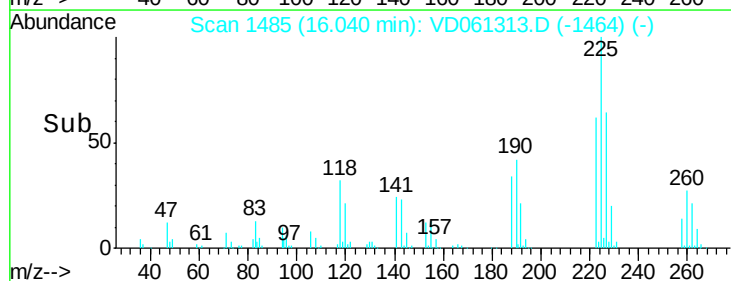
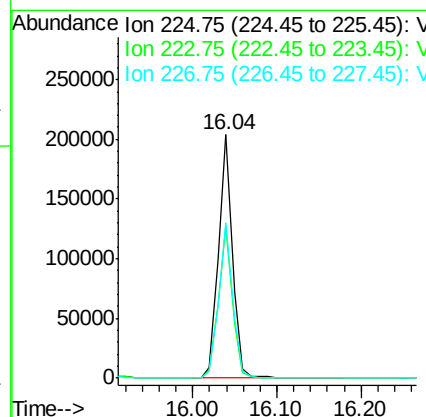
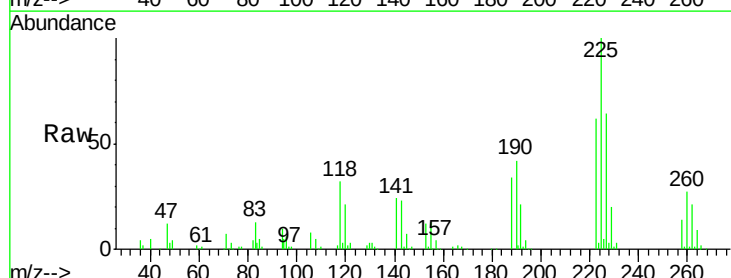
Manual Integrations
 APPROVED

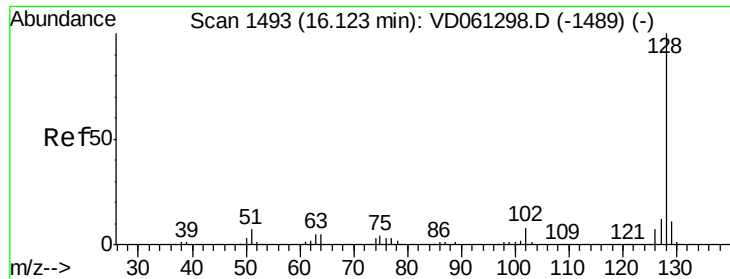
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 54.270 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD061313.D
 Acq: 25 Mar 2019 20:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	30.9	92.8
227	63.9	32.6	97.7





#95

Naphthalene

Concen: 60.420 ug/l

RT: 16.13 min Scan# 1494

Delta R.T. 0.01 min

Lab File: VD061313.D

Acq: 25 Mar 2019 20:53

Instrument :

MSVOA_D

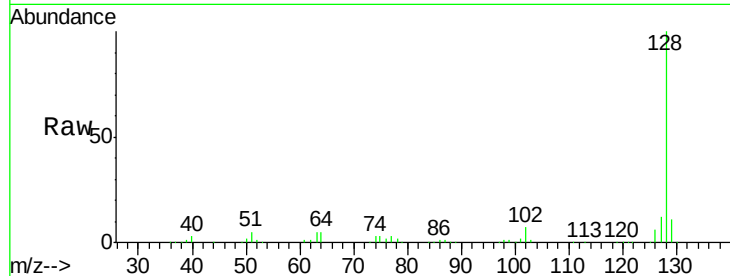
ClientSampleId :

VSTDCCC050EC

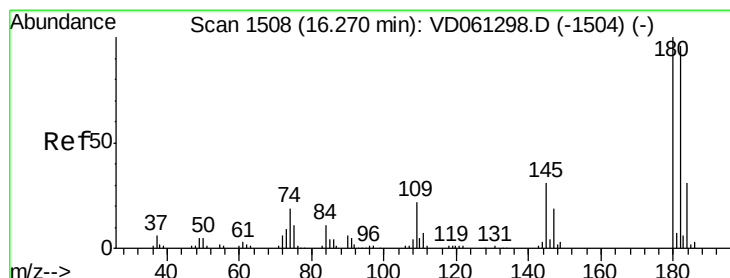
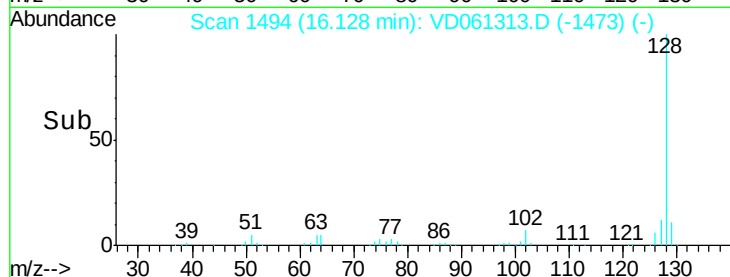
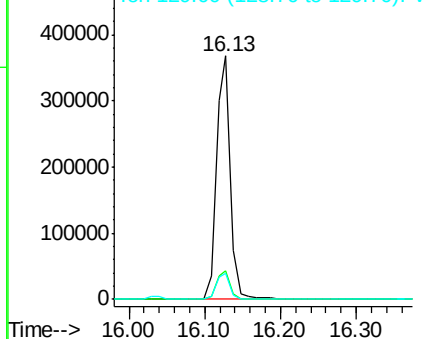
Tot Ion:	128	Resp:	476362
Ion Ratio	Lower	Upper	
128	100		
127	11.9	9.8	14.6
129	10.8	8.6	12.8

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 48.955 ug/l

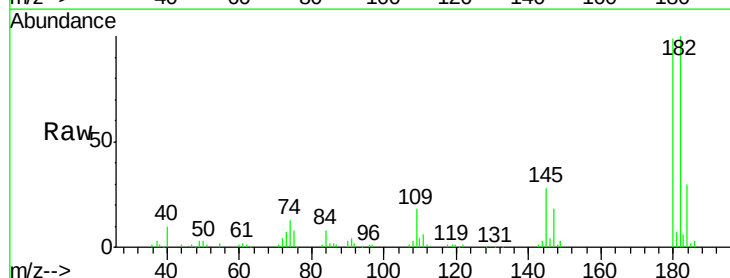
RT: 16.28 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VD061313.D

Acq: 25 Mar 2019 20:53

Tgt Ion:	180	Resp:	123548
Ion Ratio	Lower	Upper	
180	100		
182	100.7	48.0	144.2
145	27.8	15.4	46.4



Abundance Ion 179.85 (179.55 to 180.55): V
Ion 181.85 (181.55 to 182.55): V
Ion 144.95 (144.65 to 145.65): V

