

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040821\
 Data File : VD068802.D
 Acq On : 08 Apr 2021 21:16
 Operator : VA/SY
 Sample : M1979-13RE
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 09 01:06:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D040721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 08 03:50:31 2021
 Response via : Initial Calibration

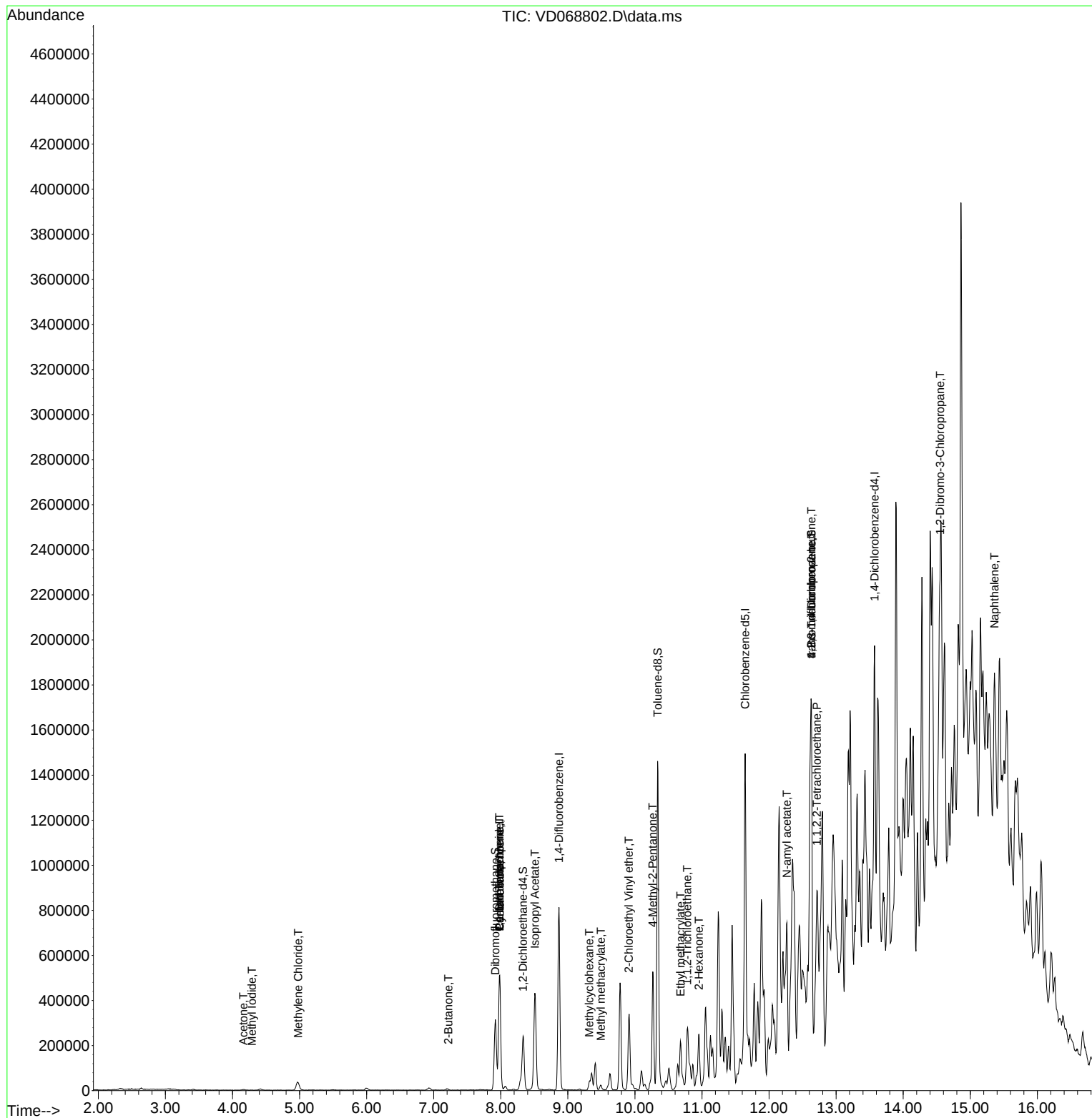
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.985	168	396474	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	757034	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	801340	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	411480	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	186524	44.51	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.02%		
35) Dibromofluoromethane	7.920	113	225324	45.76	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	91.52%		
50) Toluene-d8	10.338	98	973841	52.43	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	104.86%		
62) 4-Bromofluorobenzene	12.632	95	422534	68.49	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	136.98%		
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.291	142	57	2.26	ug/l #	41
11) Tert butyl alcohol	5.238	59	186	Below Cal	#	73
16) Acetone	4.162	43	5624	9.69	ug/l #	80
20) Methylene Chloride	4.979	84	31838	2.17	ug/l #	86
25) 2-Butanone	7.220	43	1467	1.79	ug/l #	39
31) Cyclohexane	7.985	56	8535	1.22	ug/l #	10
36) 1,1-Dichloropropene	7.979	75	28622	3.74	ug/l #	48
38) Carbon Tetrachloride	7.979	117	37518	4.95	ug/l #	19
39) Methylcyclohexane	9.320	83	9356	1.05	ug/l #	57
43) Isopropyl Acetate	8.508	43	72783	15.86	ug/l #	45
48) Methyl methacrylate	9.491	41	6697	2.96	ug/l #	34
51) 4-Methyl-2-Pentanone	10.267	43	54880	23.73	ug/l #	74
55) 1,1,2-Trichloroethane	10.779	97	64824	15.37	ug/l #	39
56) Ethyl methacrylate	10.679	69	20004	4.61	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.908	63	643	17.25	ug/l #	44
59) 2-Hexanone	10.955	43	80359	51.93	ug/l #	26
74) N-amyl acetate	12.267	43	123241	24.19	ug/l #	36
75) 1,1,2,2-Tetrachloroethane	12.714	83	26501	4.72	ug/l #	12
76) 1,2,3-Trichloropropane	12.632	75	183933	48.93	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.632	75	183933	113.55	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	14.549	75	3019	3.54	ug/l #	11
95) Naphthalene	15.361	128	44671	3.35	ug/l #	1

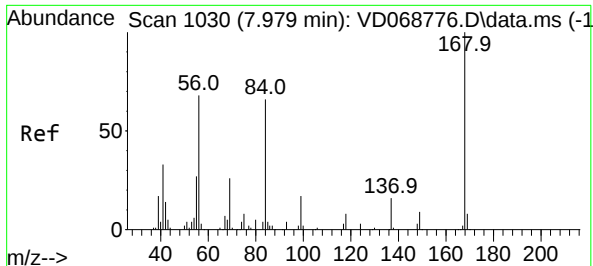
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Apr 08 03:50:31 2021
Response via : Initial Calibration

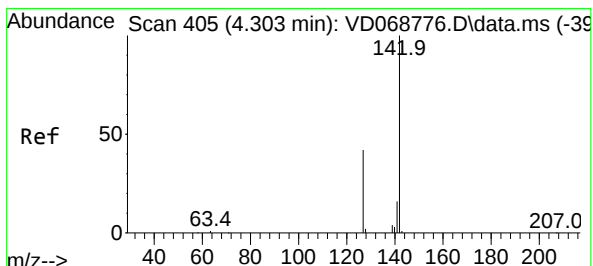
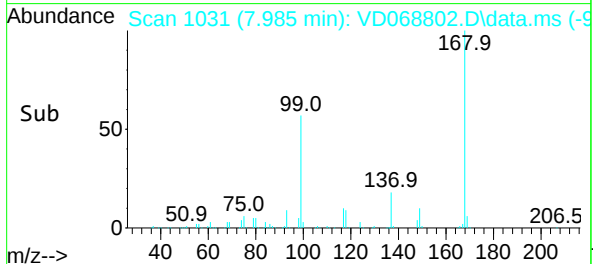
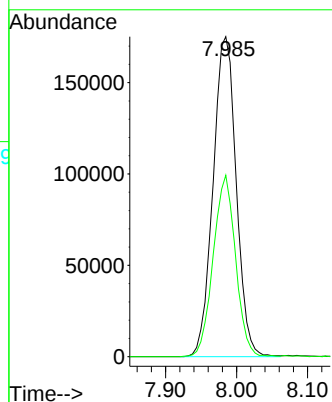
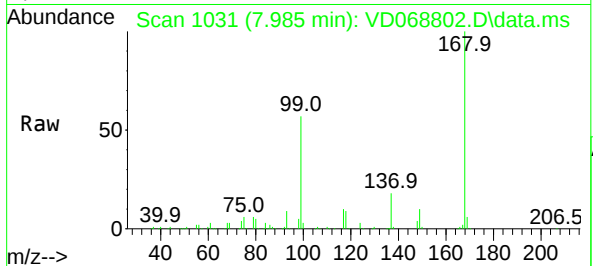




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.006 min
Lab File: VD068802.D
Acq: 08 Apr 2021 21:16

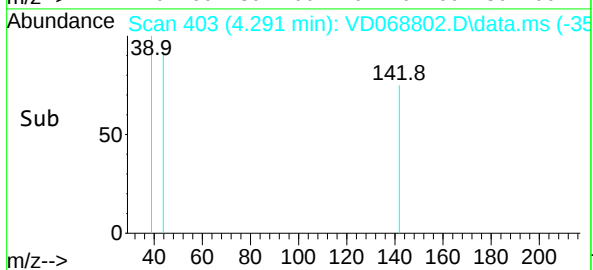
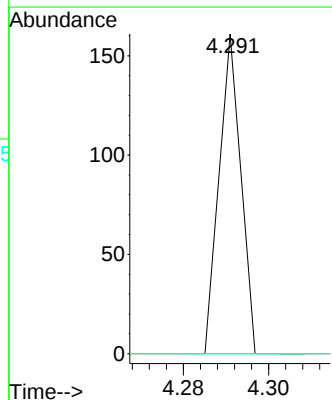
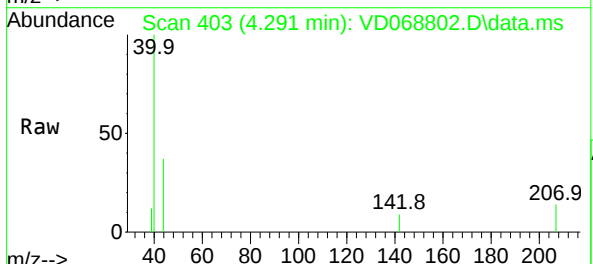
Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:168 Resp: 396474
Ion Ratio Lower Upper
168 100
99 56.7 46.2 69.2



#10
Methyl Iodide
Concen: 2.26 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD068802.D
Acq: 08 Apr 2021 21:16

Tgt Ion:142 Resp: 57
Ion Ratio Lower Upper
142 100
127 0.0 34.7 52.1#
141 0.0 11.0 16.4#



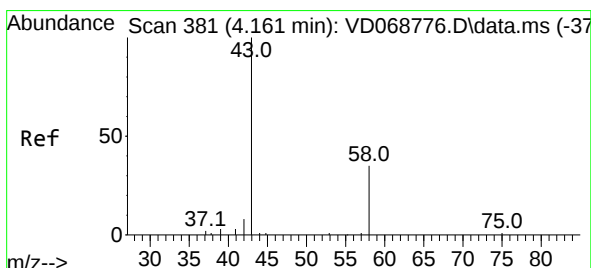
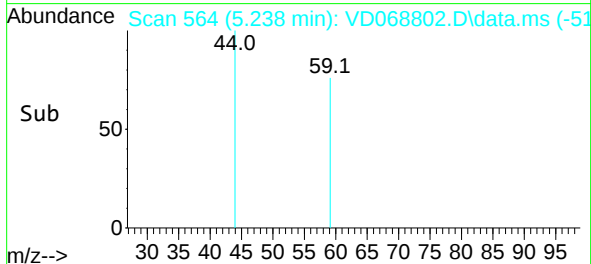
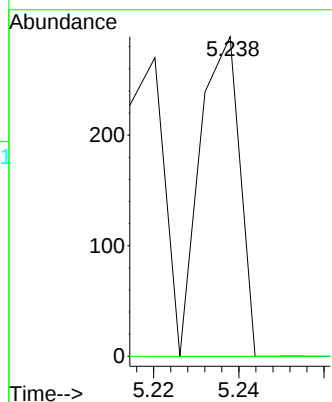
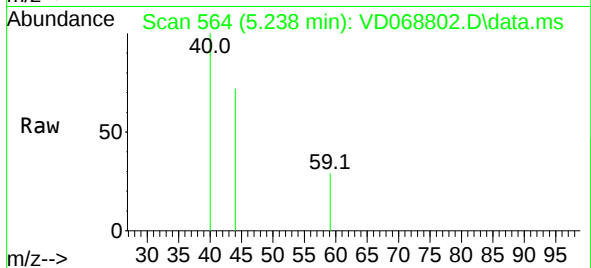


#11

Tert butyl alcohol
Concen: Below Cal
RT: 5.238 min Scan# 564
Delta R.T. 0.018 min
Lab File: VD068802.D
Acq: 08 Apr 2021 21:16

Instrument :
MSVOA_D
ClientSampled :

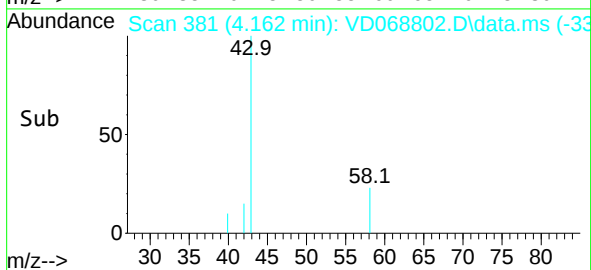
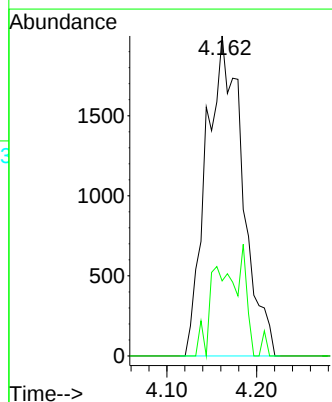
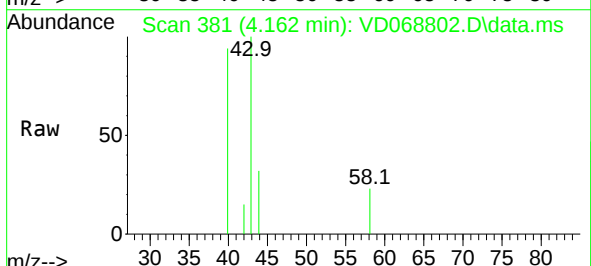
Tgt Ion: 59 Resp: 186
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

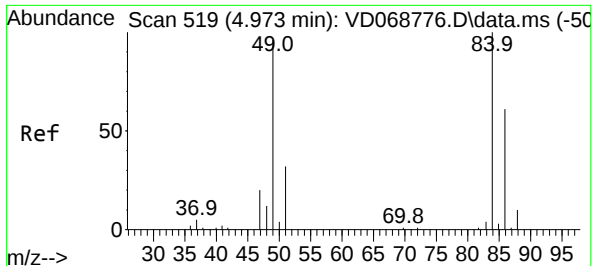


#16

Acetone
Concen: 9.69 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.001 min
Lab File: VD068802.D
Acq: 08 Apr 2021 21:16

Tgt Ion: 43 Resp: 5624
Ion Ratio Lower Upper
43 100
58 23.5 28.0 42.0#





#20

Methylene Chloride

Concen: 2.17 ug/l

RT: 4.979 min Scan# 520

Delta R.T. 0.006 min

Lab File: VD068802.D

Acq: 08 Apr 2021 21:16

Tgt Ion: 84 Resp: 31838

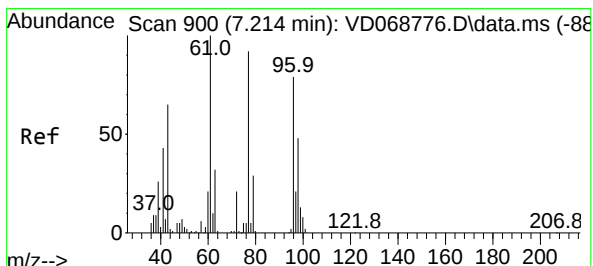
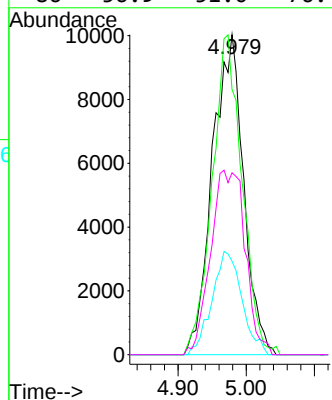
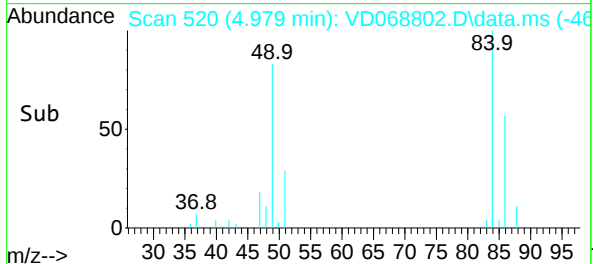
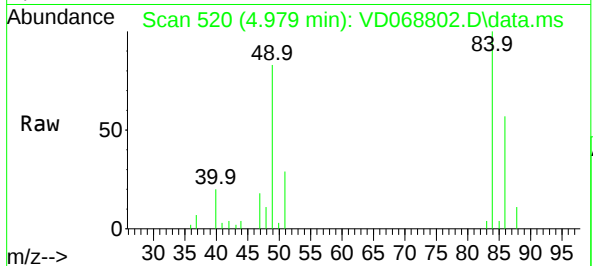
Ion Ratio Lower Upper

84 100

49 82.8 83.4 125.0#

51 29.2 23.4 35.2

86 56.9 51.0 76.4



#25

2-Butanone

Concen: 1.79 ug/l

RT: 7.220 min Scan# 901

Delta R.T. 0.006 min

Lab File: VD068802.D

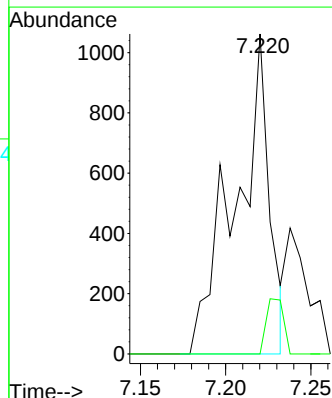
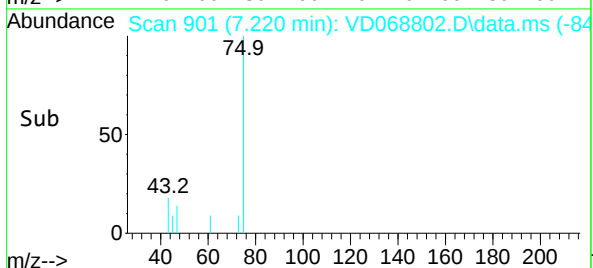
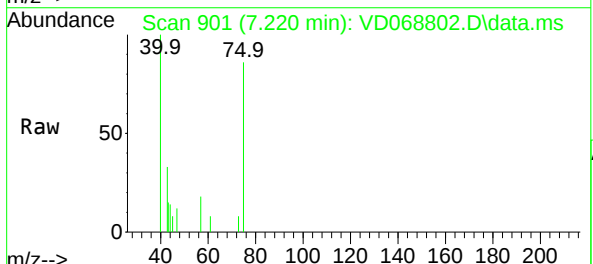
Acq: 08 Apr 2021 21:16

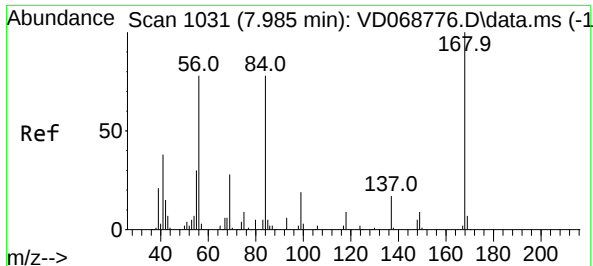
Tgt Ion: 43 Resp: 1467

Ion Ratio Lower Upper

43 100

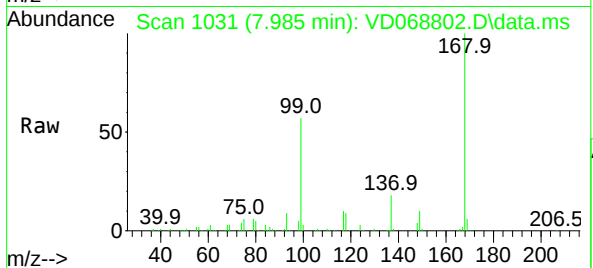
72 0.0 28.6 43.0#



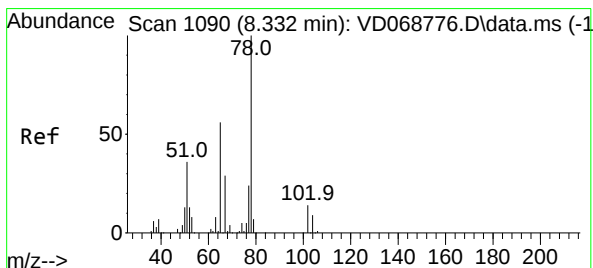
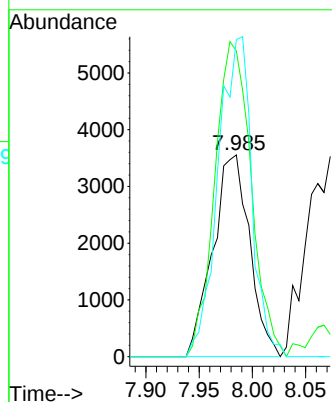
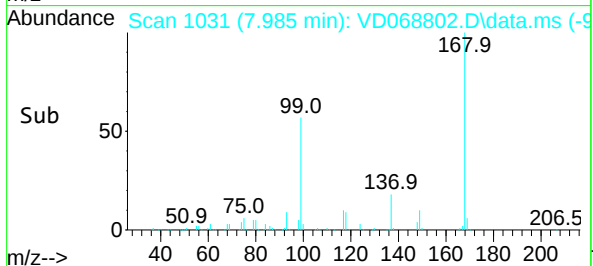


#31
Cyclohexane
Concen: 1.22 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD068802.D
Acq: 08 Apr 2021 21:16

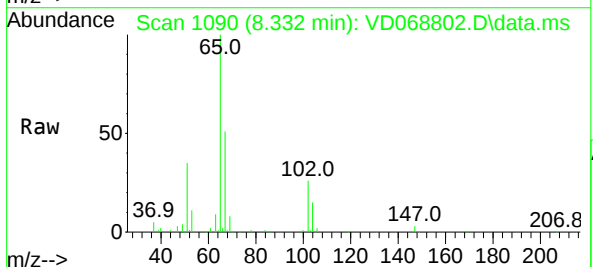
Instrument :
MSVOA_D
ClientSampled :



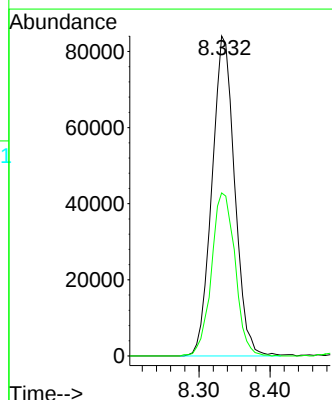
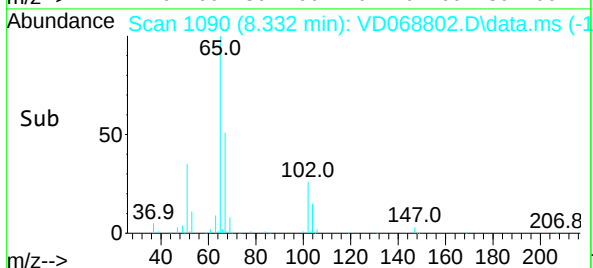
Tgt Ion: 56 Resp: 8535
Ion Ratio Lower Upper
56 100
69 151.5 30.0 45.0#
84 157.1 82.0 123.0#

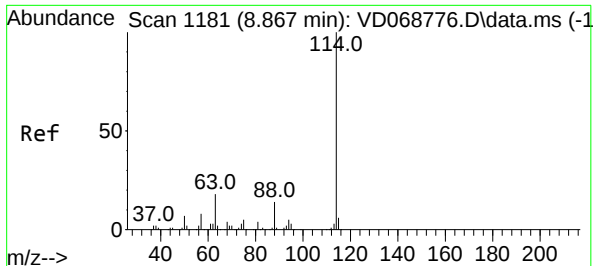


#33
1,2-Dichloroethane-d4
Concen: 44.51 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD068802.D
Acq: 08 Apr 2021 21:16



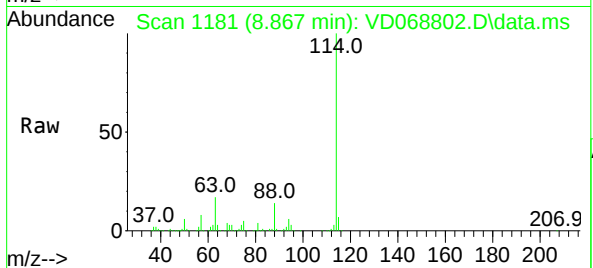
Tgt Ion: 65 Resp: 186524
Ion Ratio Lower Upper
65 100
67 52.9 0.0 106.0



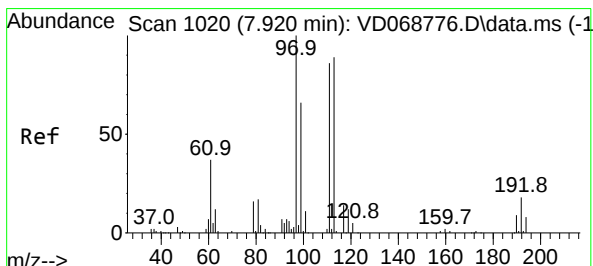
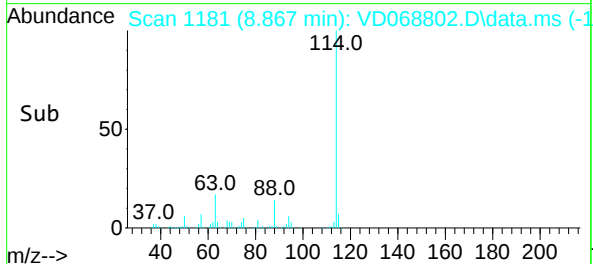
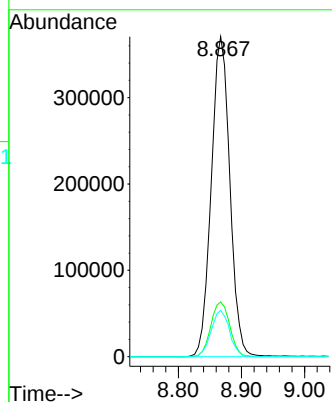


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.867 min Scan# 1181
Delta R.T. 0.000 min
Lab File: VD068802.D
Acq: 08 Apr 2021 21:16

Instrument :
MSVOA_D
ClientSampled :

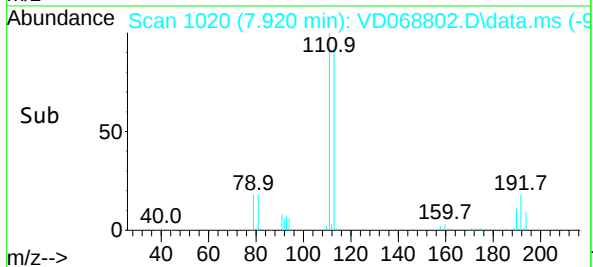
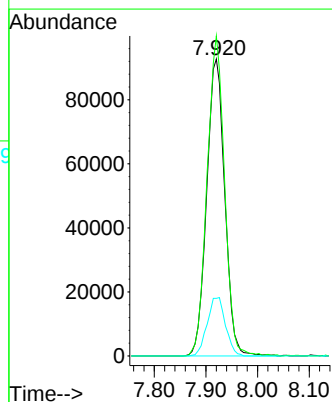
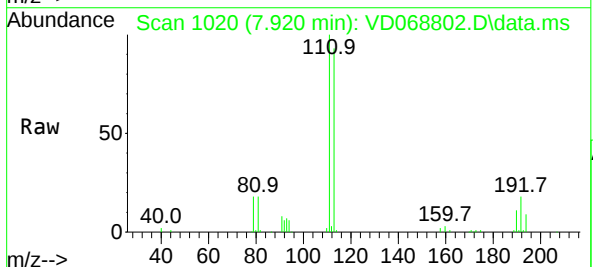


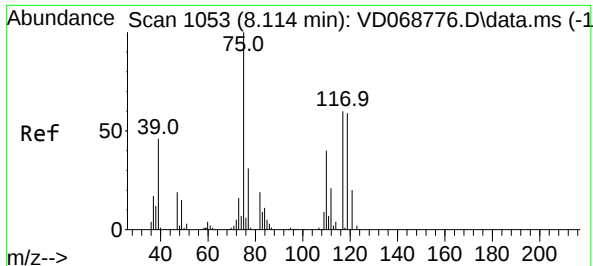
Tgt Ion:114 Resp: 757034
Ion Ratio Lower Upper
114 100
63 17.1 0.0 38.2
88 14.5 0.0 29.4



#35
Dibromofluoromethane
Concen: 45.76 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. 0.000 min
Lab File: VD068802.D
Acq: 08 Apr 2021 21:16

Tgt Ion:113 Resp: 225324
Ion Ratio Lower Upper
113 100
111 104.3 82.5 123.7
192 19.9 15.1 22.7



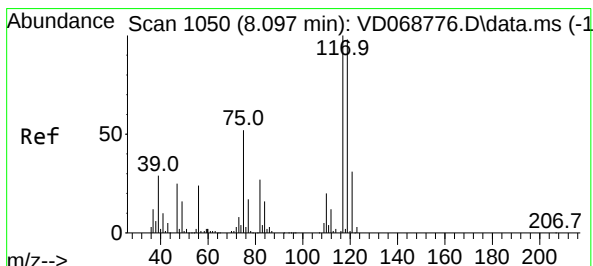
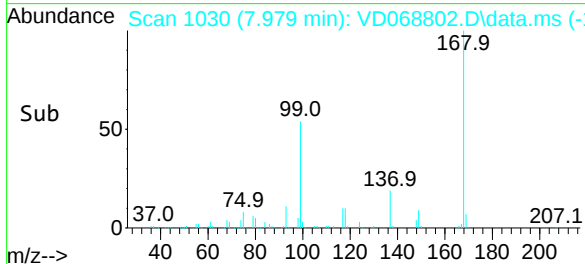
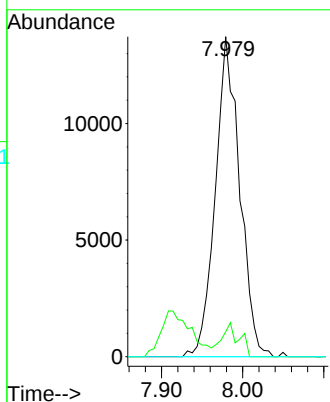
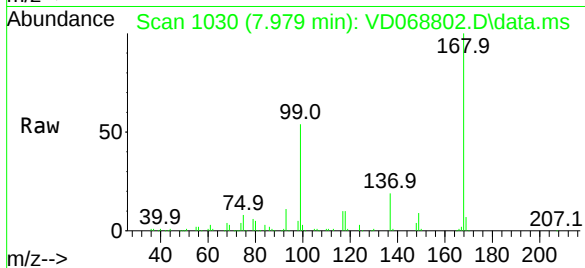


#36

1,1-Dichloropropene
Concen: 3.74 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.135 min
Lab File: VD068802.D
Acq: 08 Apr 2021 21:16

Instrument :
MSVOA_D
ClientSampled :

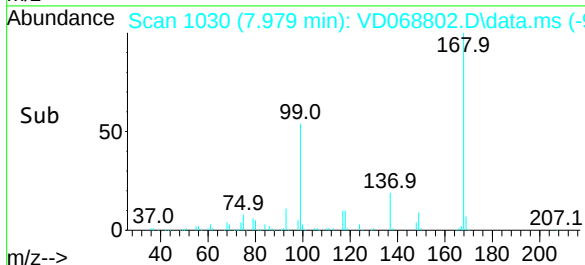
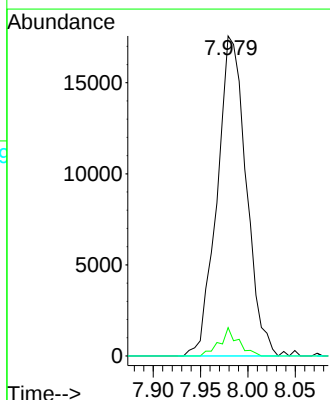
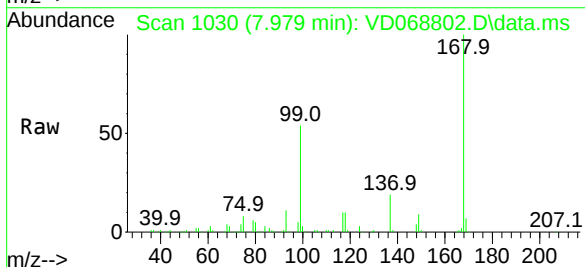
Tgt Ion: 75 Resp: 28622
Ion Ratio Lower Upper
75 100
110 7.5 18.1 54.4#
77 0.0 24.7 37.1#

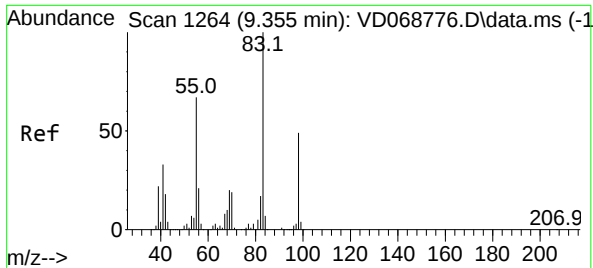


#38

Carbon Tetrachloride
Concen: 4.95 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD068802.D
Acq: 08 Apr 2021 21:16

Tgt Ion: 117 Resp: 37518
Ion Ratio Lower Upper
117 100
119 8.9 76.6 115.0#
121 0.0 26.1 39.1#





#39

Methylcyclohexane

Concen: 1.05 ug/l

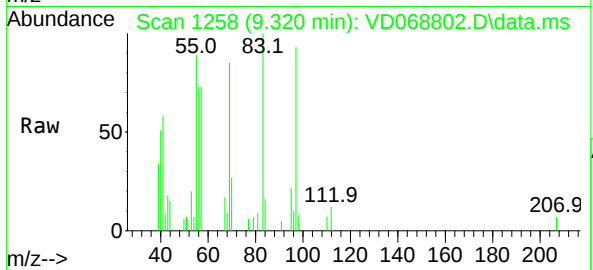
RT: 9.320 min Scan# 1258

Delta R.T. -0.035 min

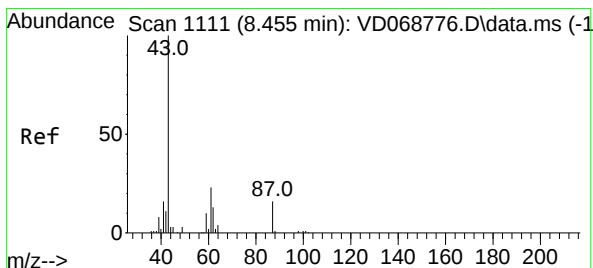
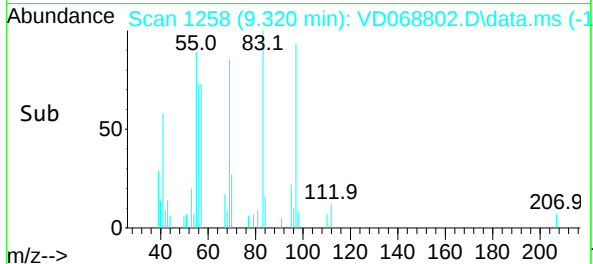
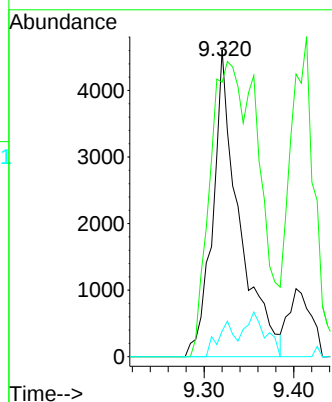
Lab File: VD068802.D

Acq: 08 Apr 2021 21:16

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:	83	Resp:	9356
Ion	Ratio	Lower	Upper
83	100		
55	89.3	51.7	77.5#
98	8.3	38.8	58.2#



#43

Isopropyl Acetate

Concen: 15.86 ug/l

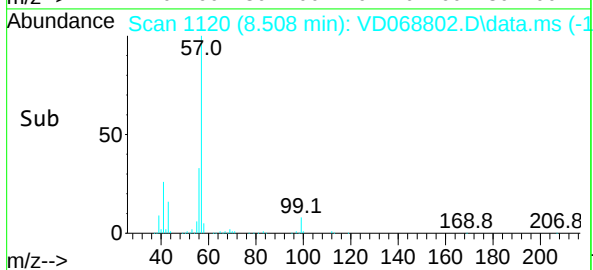
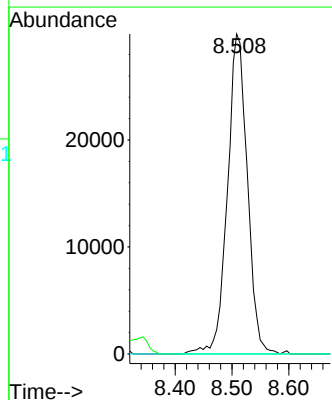
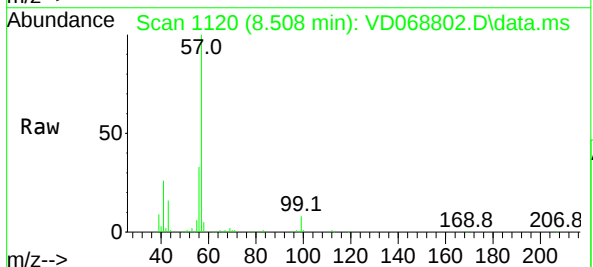
RT: 8.508 min Scan# 1120

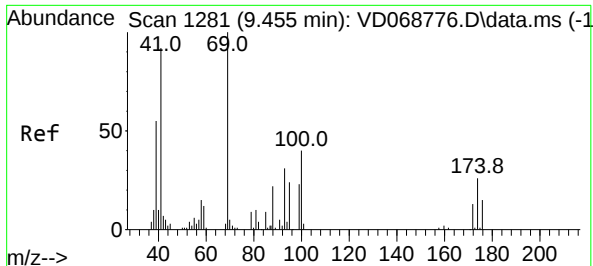
Delta R.T. 0.053 min

Lab File: VD068802.D

Acq: 08 Apr 2021 21:16

Tgt Ion:	43	Resp:	72783
Ion	Ratio	Lower	Upper
43	100		
61	0.0	29.5	44.3#
87	0.0	13.5	20.3#





#48

Methyl methacrylate

Concen: 2.96 ug/l

RT: 9.491 min Scan# 1287

Delta R.T. 0.036 min

Lab File: VD068802.D

Acq: 08 Apr 2021 21:16

Tgt Ion: 41 Resp: 6697

Ion Ratio Lower Upper

41 100

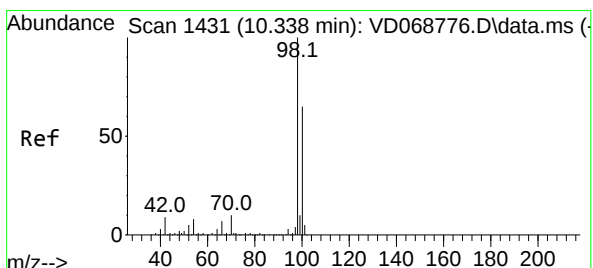
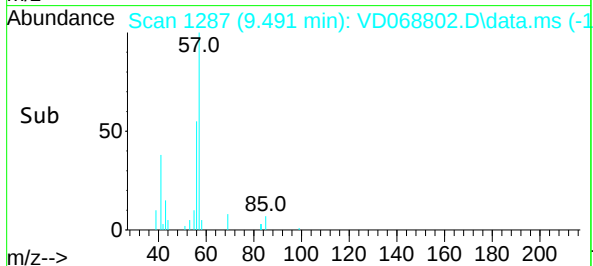
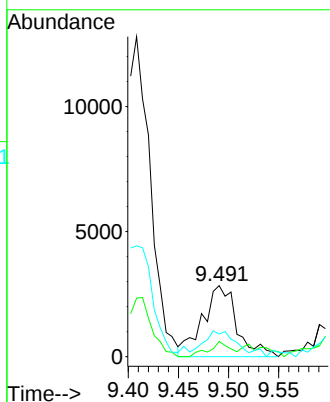
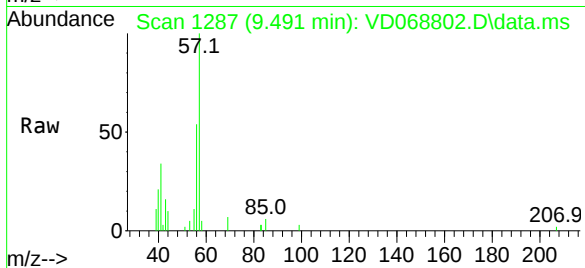
69 13.2 83.0 124.6#

39 39.0 47.0 70.6#

Instrument :

MSVOA_D

ClientSampled :



#50

Toluene-d8

Concen: 52.43 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. -0.000 min

Lab File: VD068802.D

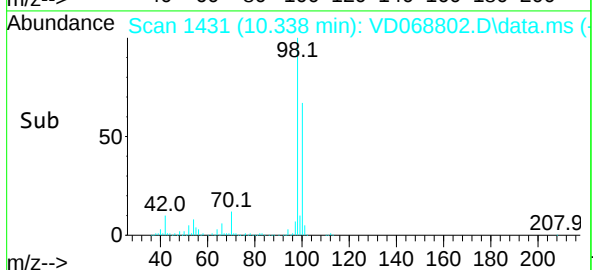
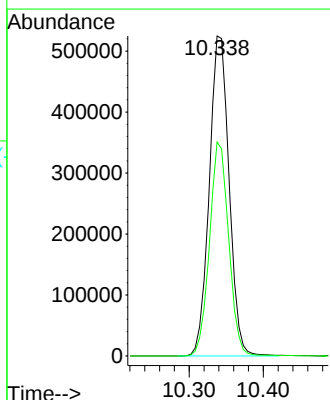
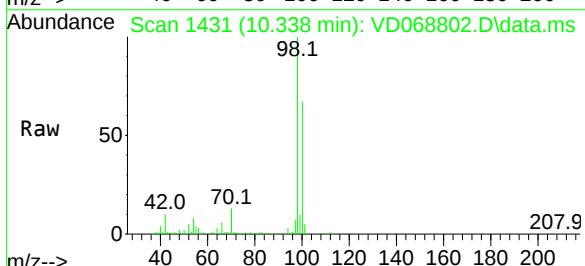
Acq: 08 Apr 2021 21:16

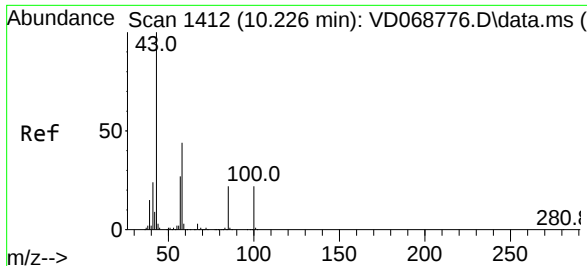
Tgt Ion: 98 Resp: 973841

Ion Ratio Lower Upper

98 100

100 64.9 51.8 77.6

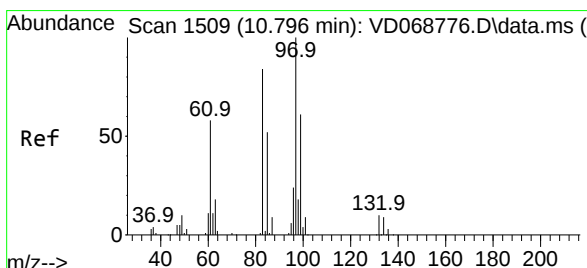
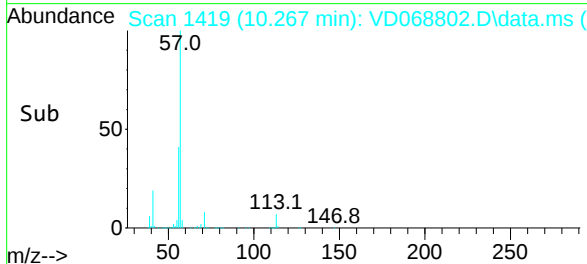
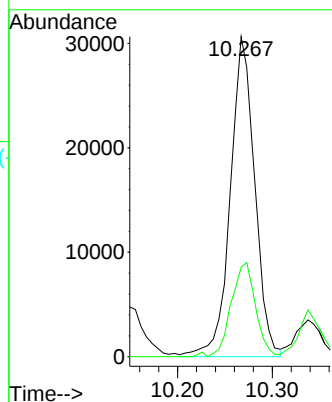
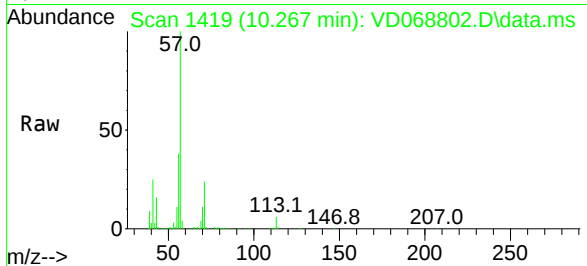




#51
4-Methyl-2-Pentanone
Concen: 23.73 ug/l
RT: 10.267 min Scan# 1419
Delta R.T. 0.041 min
Lab File: VD068802.D
Acq: 08 Apr 2021 21:16

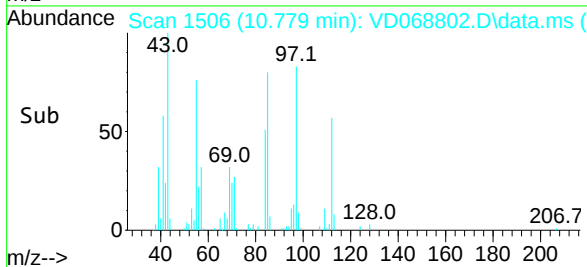
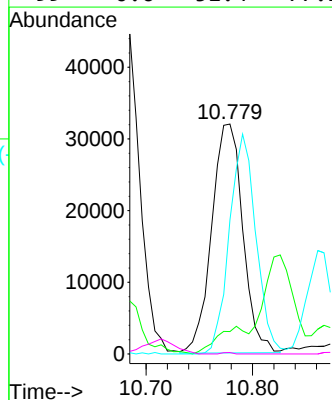
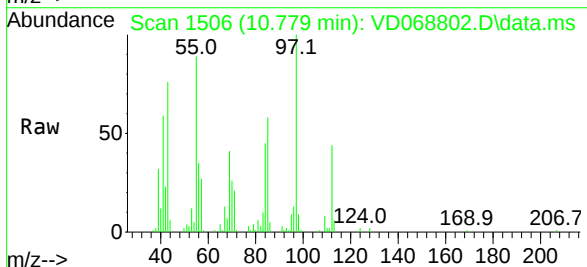
Instrument :
MSVOA_D
ClientSampled :

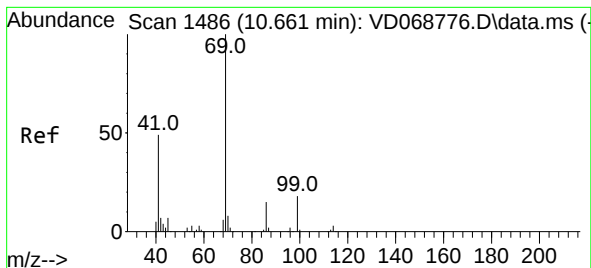
Tgt Ion: 43 Resp: 54880
Ion Ratio Lower Upper
43 100
58 29.0 37.3 55.9#



#55
1,1,2-Trichloroethane
Concen: 15.37 ug/l
RT: 10.779 min Scan# 1506
Delta R.T. -0.017 min
Lab File: VD068802.D
Acq: 08 Apr 2021 21:16

Tgt Ion: 97 Resp: 64824
Ion Ratio Lower Upper
97 100
83 8.8 65.7 98.5#
85 58.9 44.3 66.5
99 0.6 51.4 77.2#

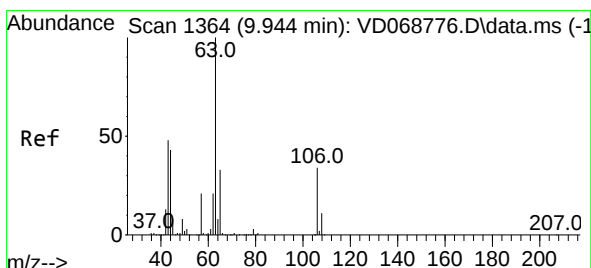
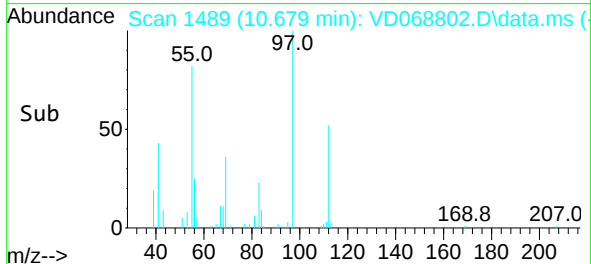
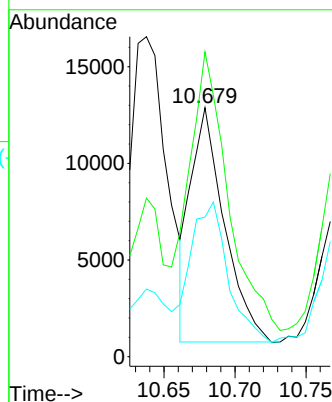
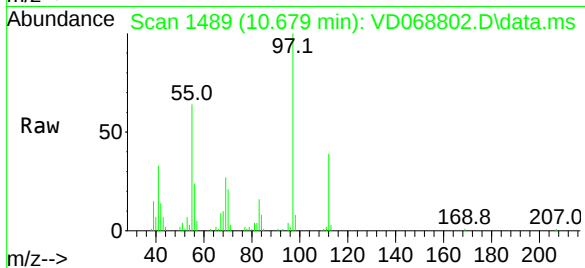




#56
Ethyl methacrylate
Concen: 4.61 ug/l
RT: 10.679 min Scan# 1489
Delta R.T. 0.018 min
Lab File: VD068802.D
Acq: 08 Apr 2021 21:16

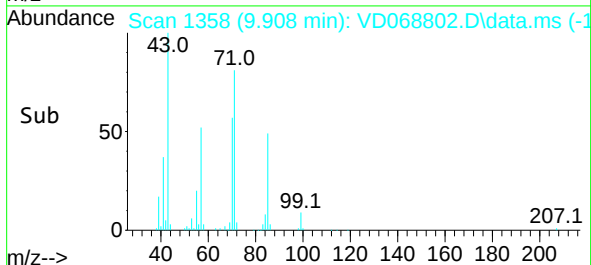
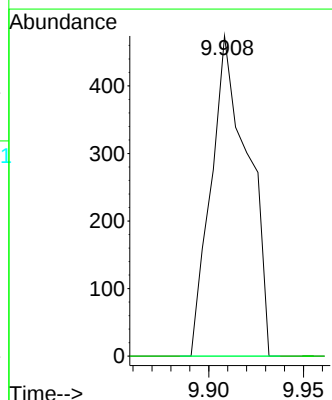
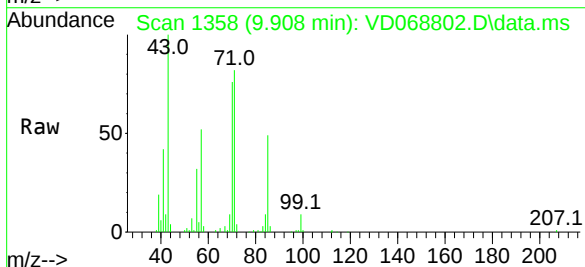
Instrument :
MSVOA_D
ClientSampleId :

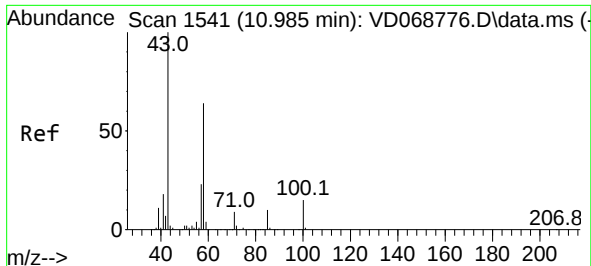
Tgt Ion: 69 Resp: 20004
Ion Ratio Lower Upper
69 100
41 143.5 42.2 63.4#
39 70.9 24.2 36.2#



#58
2-Chloroethyl Vinyl ether
Concen: 17.25 ug/l
RT: 9.908 min Scan# 1358
Delta R.T. -0.036 min
Lab File: VD068802.D
Acq: 08 Apr 2021 21:16

Tgt Ion: 63 Resp: 643
Ion Ratio Lower Upper
63 100
106 0.0 24.6 36.8#

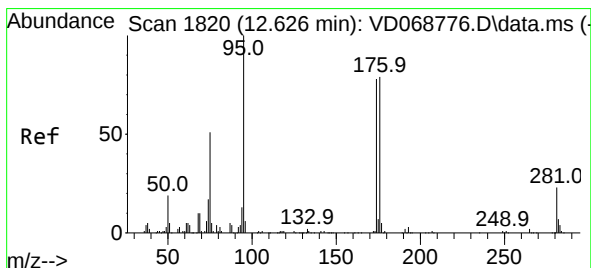
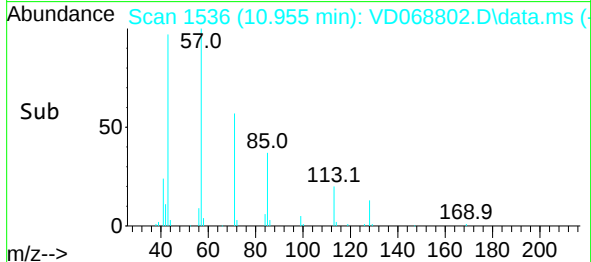
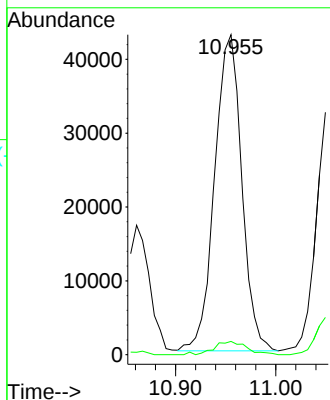
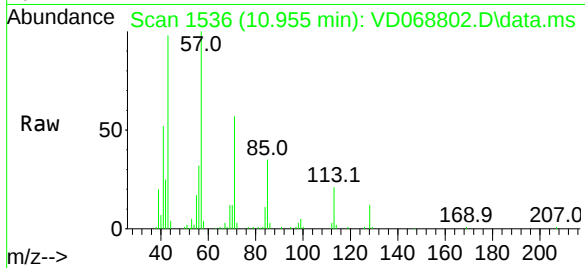




#59
2-Hexanone
Concen: 51.93 ug/l
RT: 10.955 min Scan# 1536
Delta R.T. -0.030 min
Lab File: VD068802.D
Acq: 08 Apr 2021 21:16

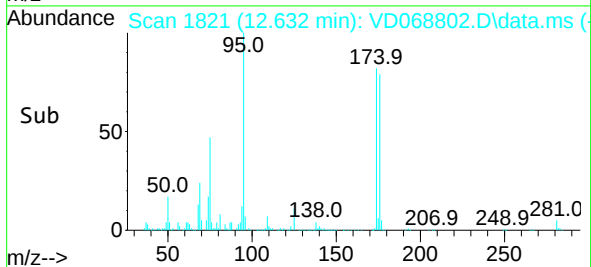
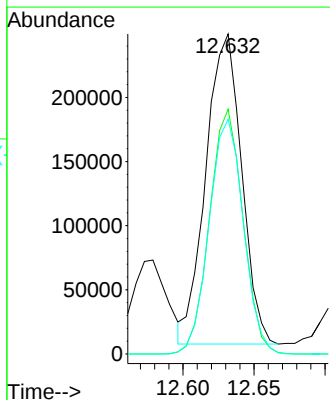
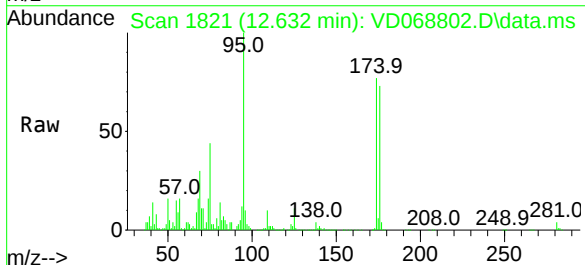
Instrument :
MSVOA_D
ClientSampled :

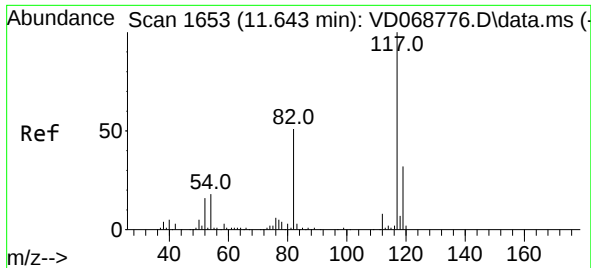
Tgt Ion: 43 Resp: 80359
Ion Ratio Lower Upper
43 100
58 5.0 31.3 93.8#



#62
4-Bromofluorobenzene
Concen: 68.49 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD068802.D
Acq: 08 Apr 2021 21:16

Tgt Ion: 95 Resp: 422534
Ion Ratio Lower Upper
95 100
174 74.0 0.0 168.0
176 72.5 0.0 160.2

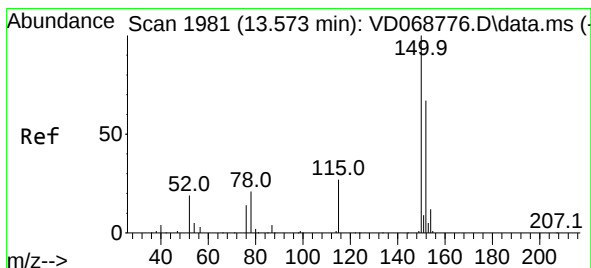
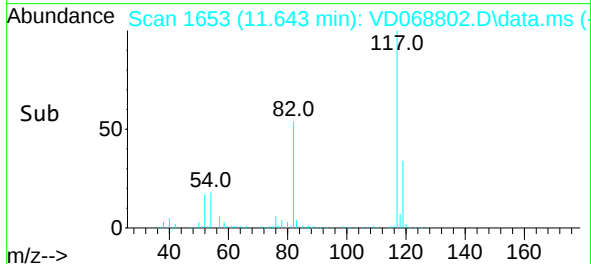
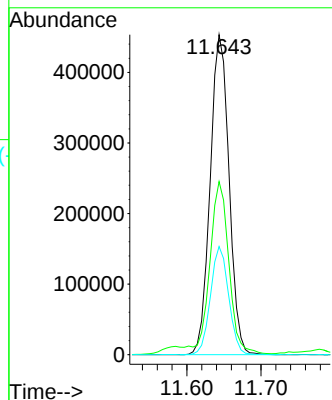
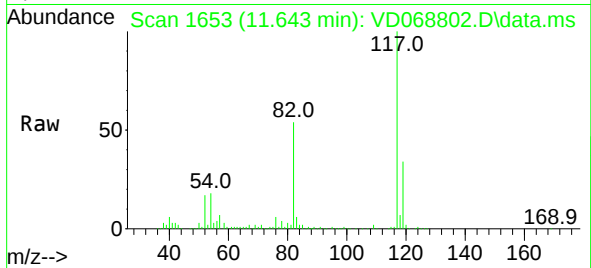




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD068802.D
Acq: 08 Apr 2021 21:16

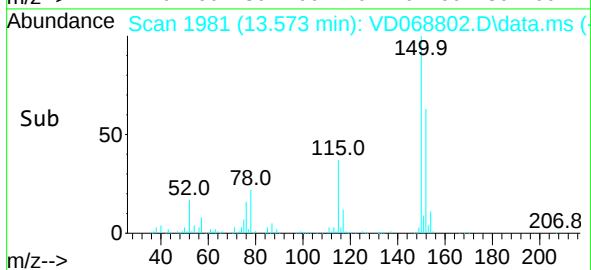
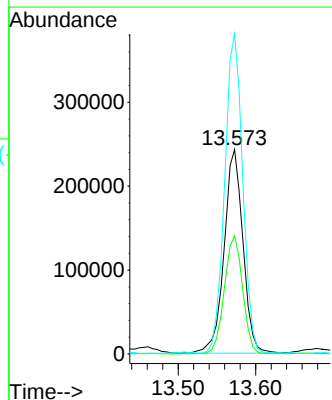
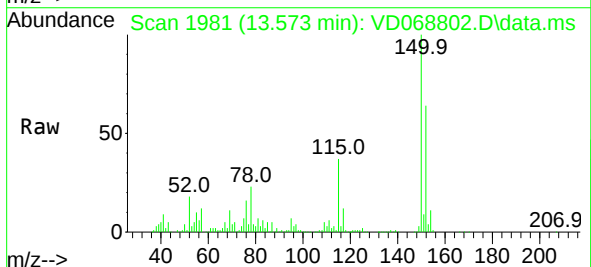
Instrument :
MSVOA_D
ClientSampled :

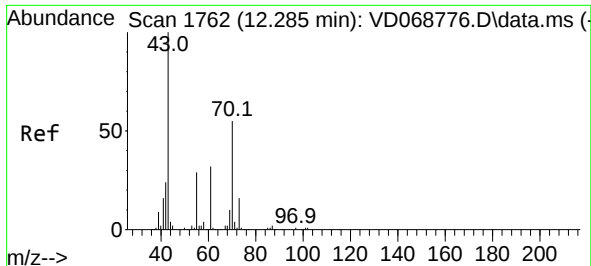
Tgt Ion:117 Resp: 801340
Ion Ratio Lower Upper
117 100
82 53.6 43.5 65.3
119 33.8 26.7 40.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.573 min Scan# 1981
Delta R.T. -0.000 min
Lab File: VD068802.D
Acq: 08 Apr 2021 21:16

Tgt Ion:152 Resp: 411480
Ion Ratio Lower Upper
152 100
115 55.9 29.3 87.8
150 149.0 0.0 347.6

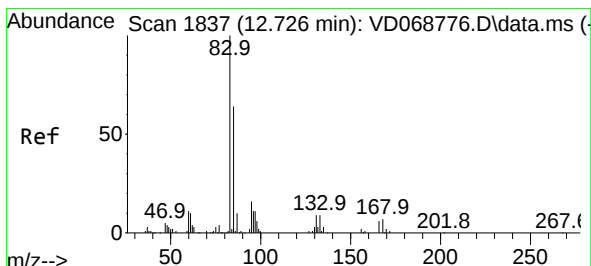
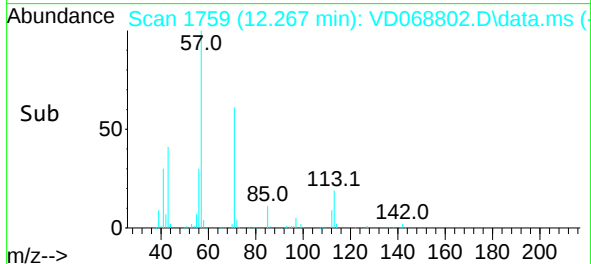
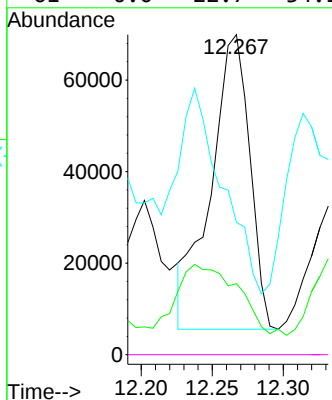
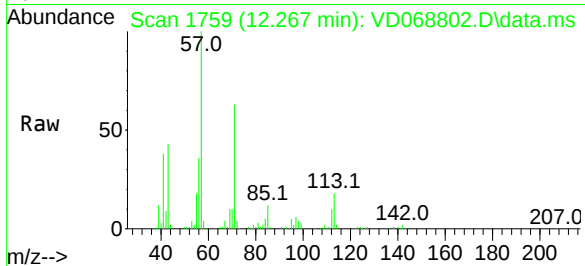




#74
N-amy1 acetate
Concen: 24.19 ug/l
RT: 12.267 min Scan# 1759
Delta R.T. -0.018 min
Lab File: VD068802.D
Acq: 08 Apr 2021 21:16

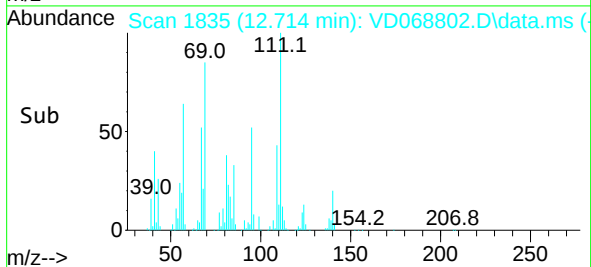
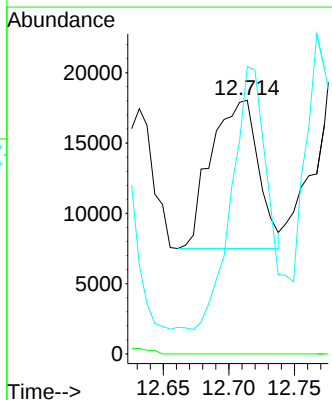
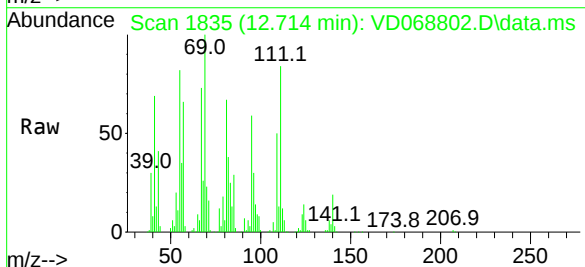
Instrument :
MSVOA_D
ClientSampleId :

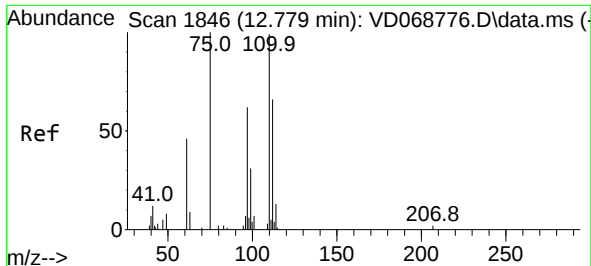
Tgt Ion: 43 Resp: 123241
Ion Ratio Lower Upper
43 100
70 0.0 41.9 62.9#
55 0.0 22.8 34.2#
61 0.0 22.7 34.1#



#75
1,1,2,2-Tetrachloroethane
Concen: 4.72 ug/l
RT: 12.714 min Scan# 1835
Delta R.T. -0.012 min
Lab File: VD068802.D
Acq: 08 Apr 2021 21:16

Tgt Ion: 83 Resp: 26501
Ion Ratio Lower Upper
83 100
131 0.0 5.1 15.3#
85 140.7 32.0 96.0#

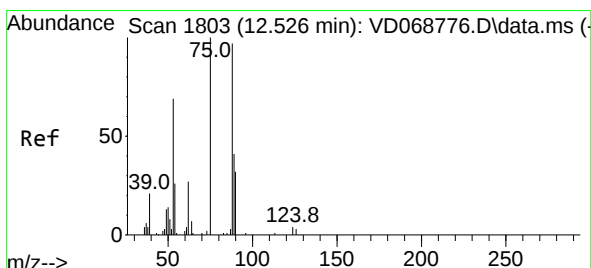
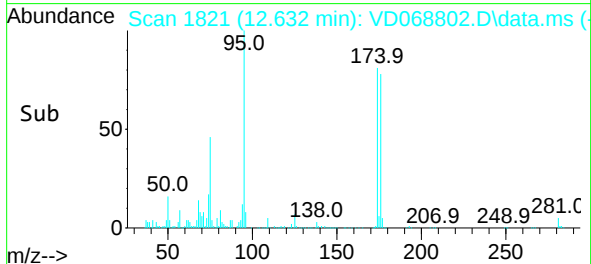
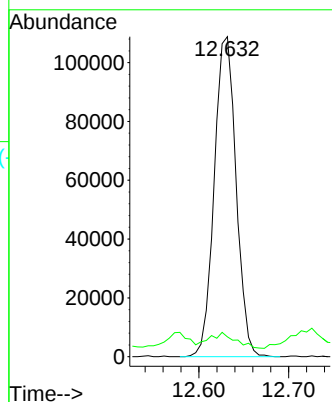
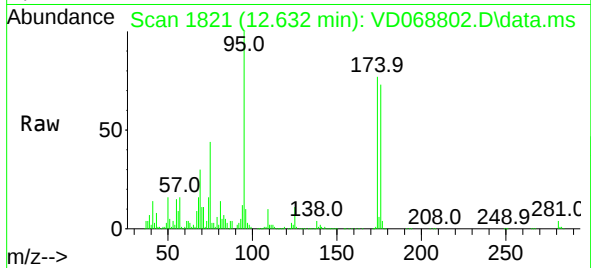




#76
1,2,3-Trichloropropane
Concen: 48.93 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. -0.147 min
Lab File: VD068802.D
Acq: 08 Apr 2021 21:16

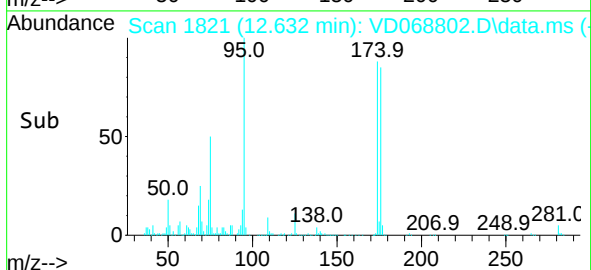
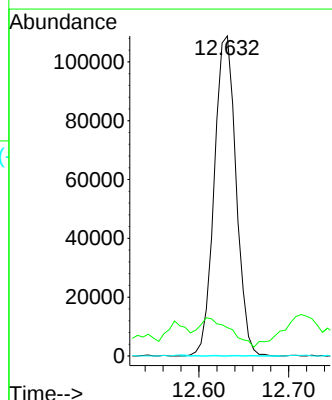
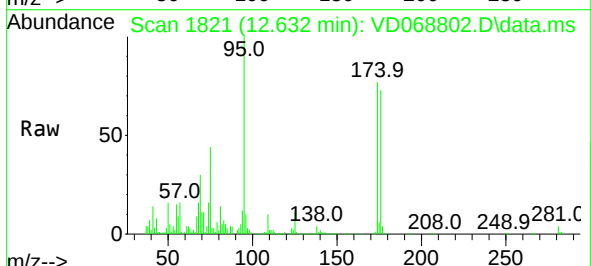
Instrument :
MSVOA_D
ClientSampleId :

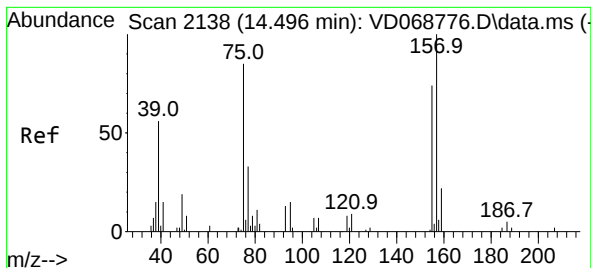
Tgt Ion: 75 Resp: 183933
Ion Ratio Lower Upper
75 100
77 6.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 113.55 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.106 min
Lab File: VD068802.D
Acq: 08 Apr 2021 21:16

Tgt Ion: 75 Resp: 183933
Ion Ratio Lower Upper
75 100
53 0.0 66.8 100.2#
89 0.1 36.6 54.8#

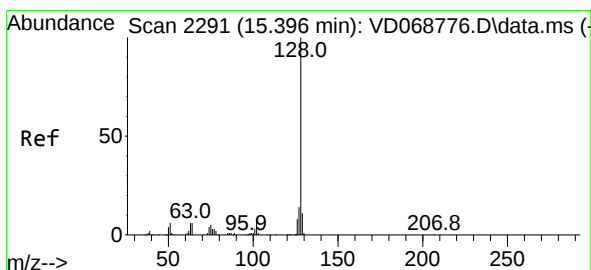
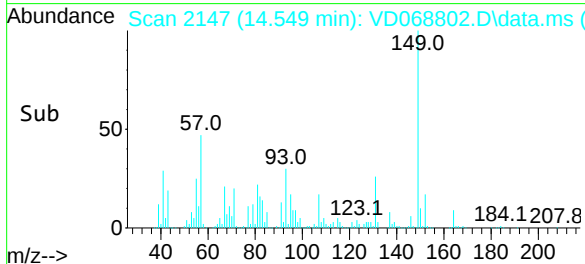
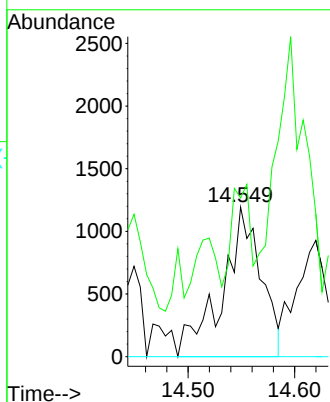
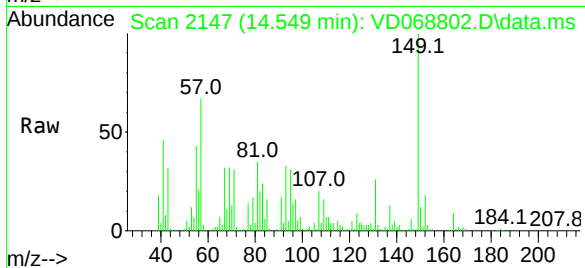




#92
1,2-Dibromo-3-Chloropropane
Concen: 3.54 ug/l
RT: 14.549 min Scan# 2147
Delta R.T. 0.053 min
Lab File: VD068802.D
Acq: 08 Apr 2021 21:16

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 3019
Ion Ratio Lower Upper
75 100
155 31.0 46.8 140.3#
157 0.0 59.8 179.3#



#95
Naphthalene
Concen: 3.35 ug/l
RT: 15.361 min Scan# 2285
Delta R.T. -0.035 min
Lab File: VD068802.D
Acq: 08 Apr 2021 21:16

Tgt Ion: 128 Resp: 44671
Ion Ratio Lower Upper
128 100
127 65.1 10.2 15.4#
129 79.4 8.9 13.3#

