

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070821\
 Data File : VD069641.D
 Acq On : 08 Jul 2021 20:50
 Operator : VA/SY
 Sample : M2965-01
 Misc : 5.12G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 09 01:06:41 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 22 04:33:24 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

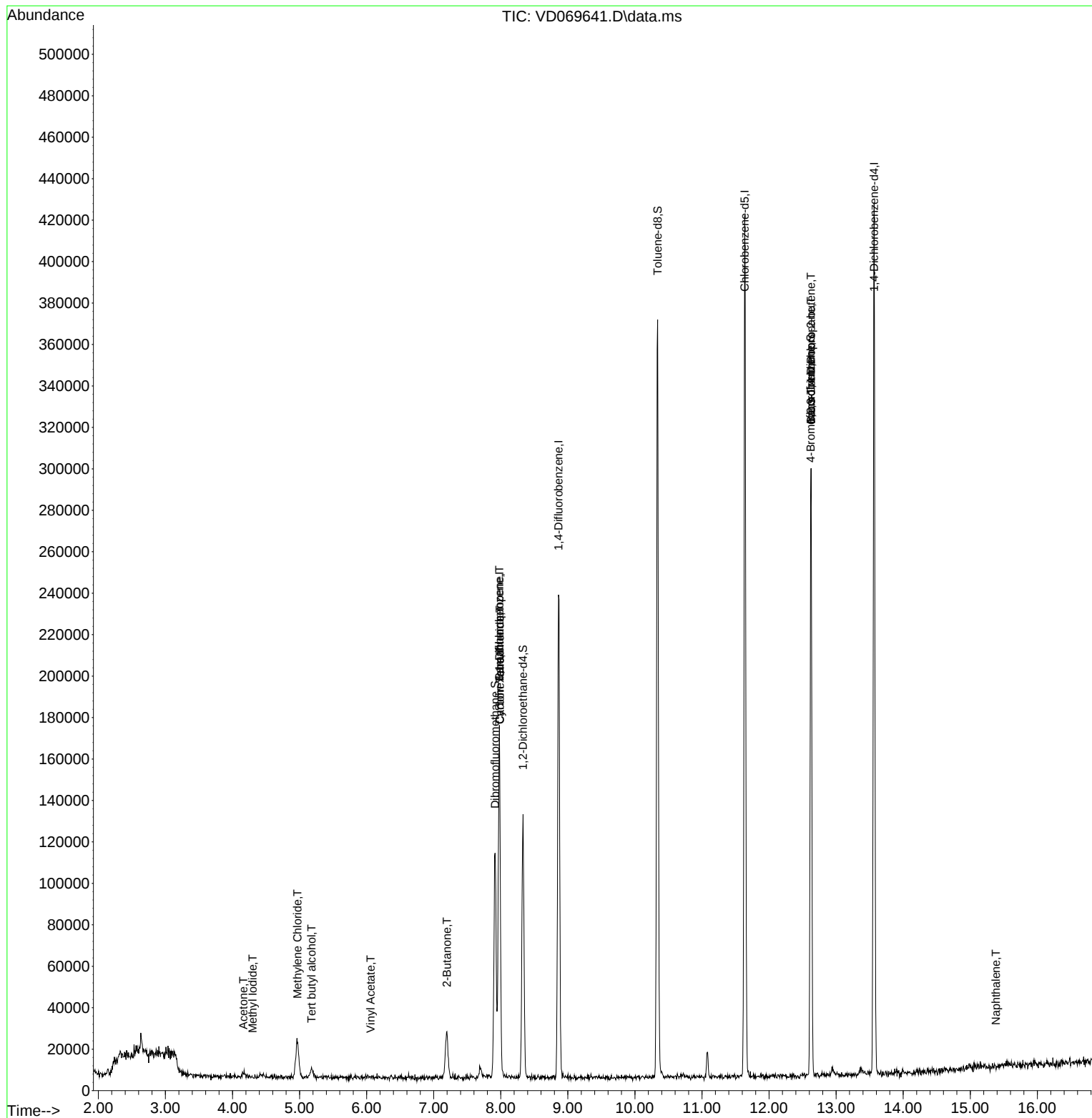
Internal Standards						
1) Pentafluorobenzene	7.979	168	114846	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	198269	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	238338	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	113678	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	98102	68.529	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 137.060%			
35) Dibromofluoromethane	7.914	113	80689	60.204	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 120.400%			
50) Toluene-d8	10.338	98	255458	50.815	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.620%			
62) 4-Bromofluorobenzene	12.620	95	102294	61.894	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 123.780%			
Target Compounds					Qvalue	
5) Bromomethane	2.785	94	1396	Below Cal		88
10) Methyl Iodide	4.303	142	281	4.155 ug/l #		39
11) Tert butyl alcohol	5.179	59	3934	10.721 ug/l #		83
16) Acetone	4.161	43	3882	16.111 ug/l		92
18) Methyl Acetate	4.797	43	157	Below Cal #		49
20) Methylene Chloride	4.967	84	14374	3.430 ug/l		99
23) Vinyl Acetate	6.061	43	73	19.044 ug/l #		70
25) 2-Butanone	7.197	43	1446	4.723 ug/l		99
31) Cyclohexane	7.985	56	2795	1.450 ug/l #		21
36) 1,1-Dichloropropene	7.979	75	10694	5.496 ug/l #		47
38) Carbon Tetrachloride	7.985	117	12609	6.547 ug/l #		20
71) Bromoform	12.626	173	1232	1.411 ug/l #		1
76) 1,2,3-Trichloropropane	12.626	75	50470	45.228 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.626	75	50470	112.929 ug/l #		12
95) Naphthalene	15.384	128	848	3.578 ug/l #		79

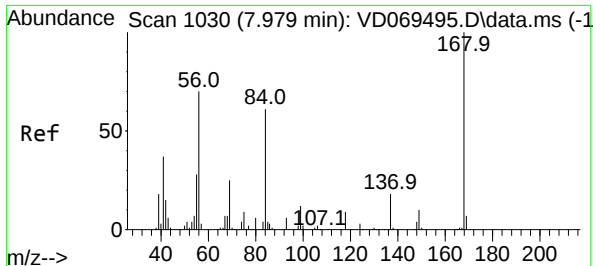
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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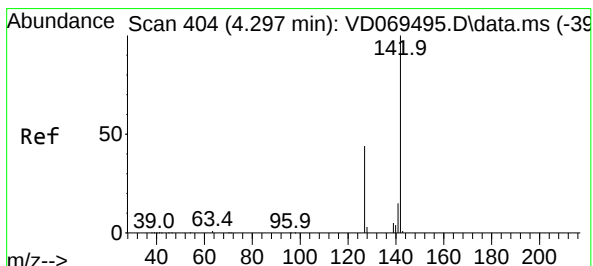
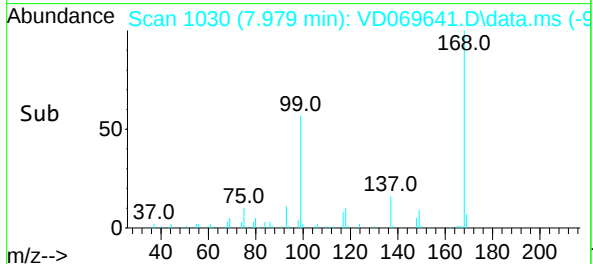
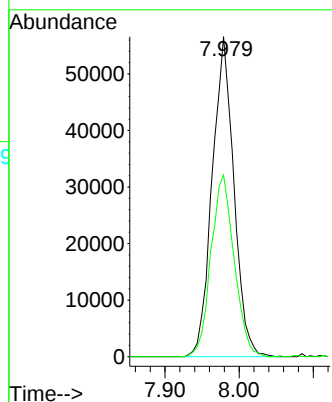
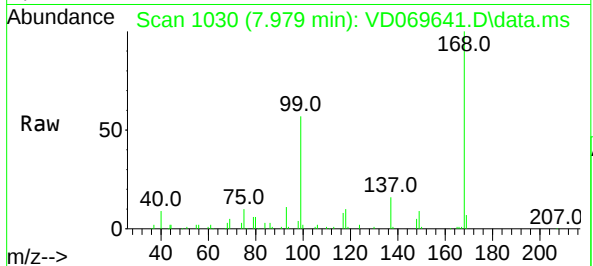




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069641.D
Acq: 08 Jul 2021 20:50

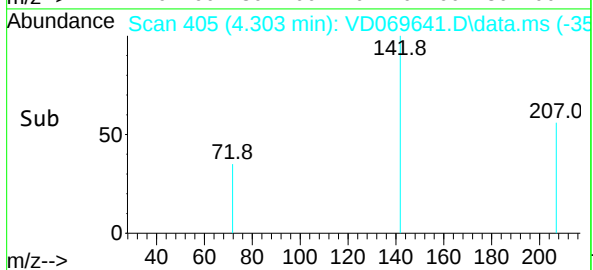
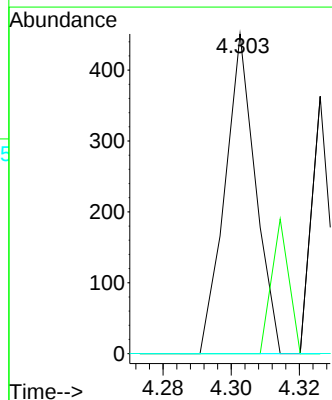
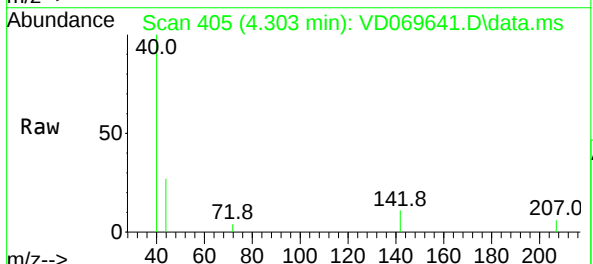
Instrument :
MSVOA_D
ClientSampled :

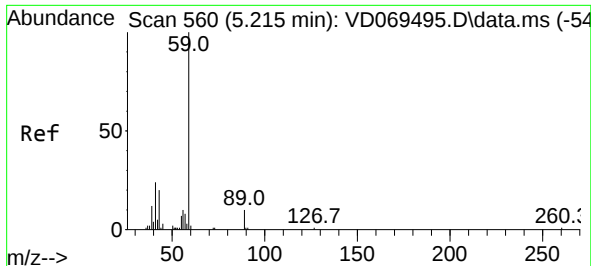
Tgt Ion:168 Resp: 114846
Ion Ratio Lower Upper
168 100
99 56.8 49.3 73.9



#10
Methyl Iodide
Concen: 4.155 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD069641.D
Acq: 08 Jul 2021 20:50

Tgt Ion:142 Resp: 281
Ion Ratio Lower Upper
142 100
127 0.0 36.5 54.7#
141 0.0 12.0 18.0#



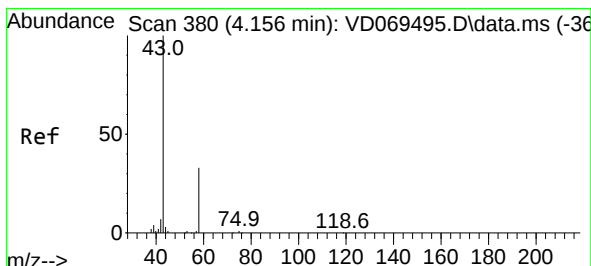
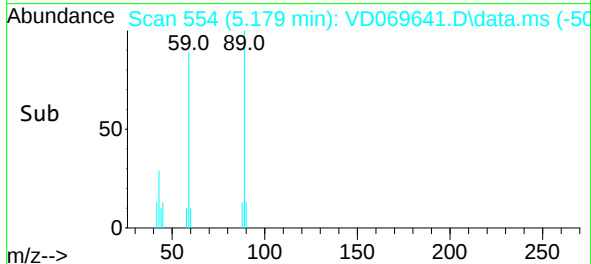
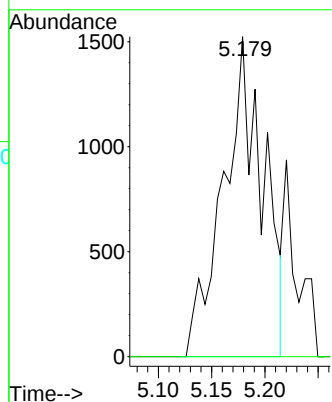
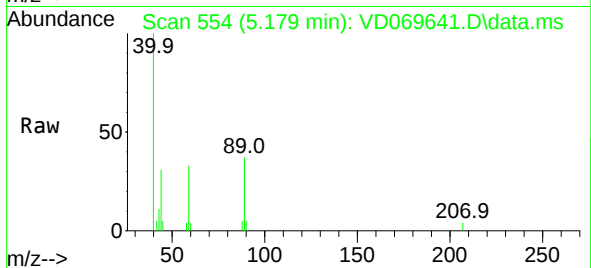


#11

Tert butyl alcohol
Concen: 10.721 ug/l
RT: 5.179 min Scan# 554
Delta R.T. -0.036 min
Lab File: VD069641.D
Acq: 08 Jul 2021 20:50

Instrument :
MSVOA_D
ClientSampled :

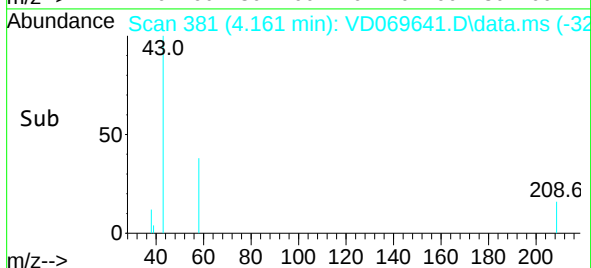
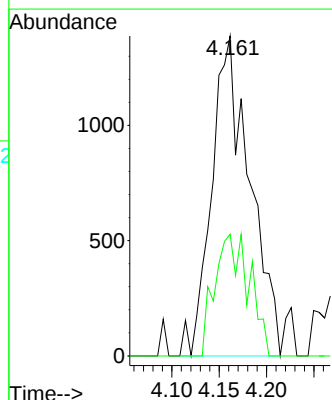
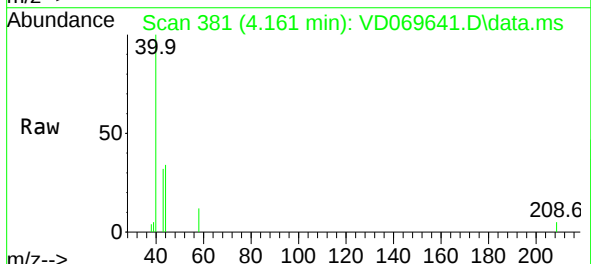
Tgt Ion: 59 Resp: 3934
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

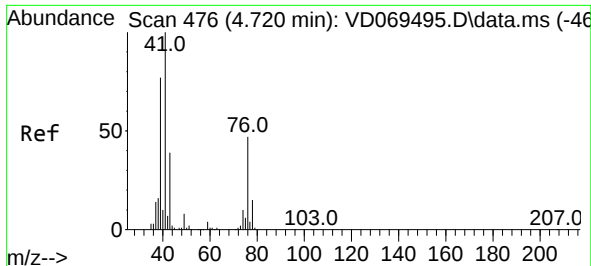


#16

Acetone
Concen: 16.111 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069641.D
Acq: 08 Jul 2021 20:50

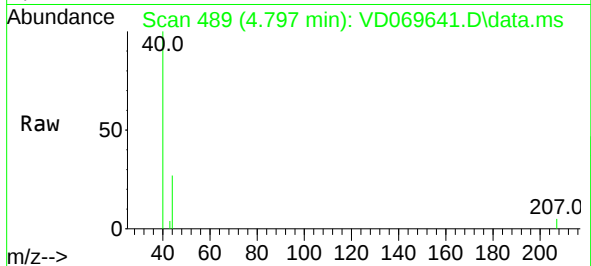
Tgt Ion: 43 Resp: 3882
Ion Ratio Lower Upper
43 100
58 38.0 26.8 40.2



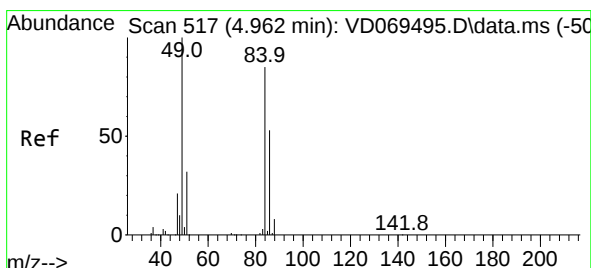
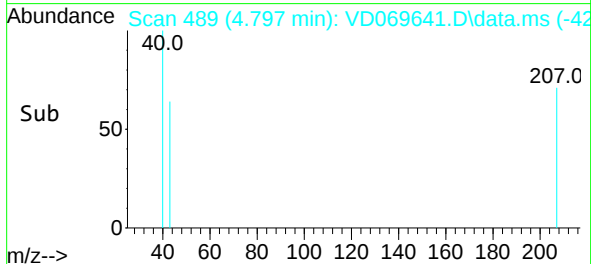
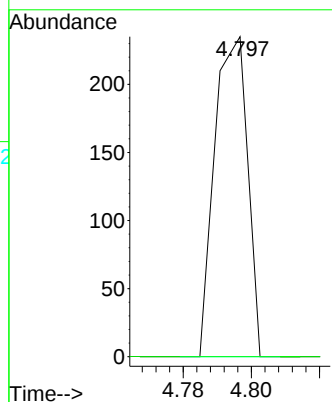


#18
Methyl Acetate
Concen: Below Cal
RT: 4.797 min Scan# 489
Delta R.T. 0.077 min
Lab File: VD069641.D
Acq: 08 Jul 2021 20:50

Instrument :
MSVOA_D
ClientSampleId :

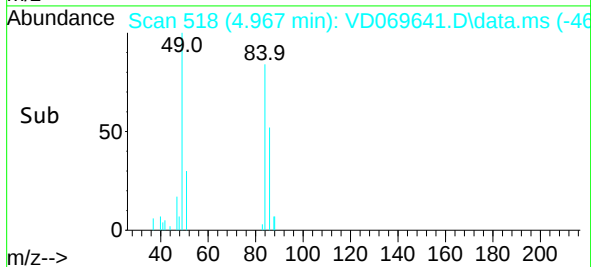
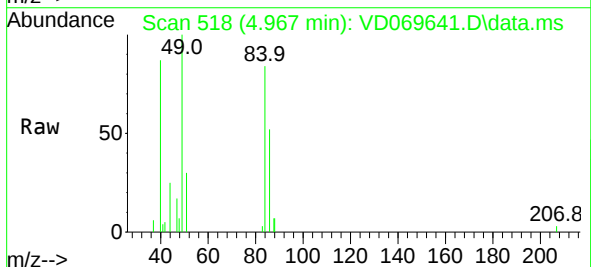
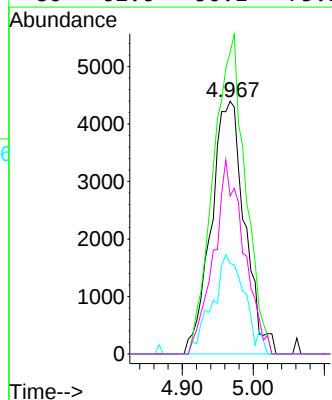


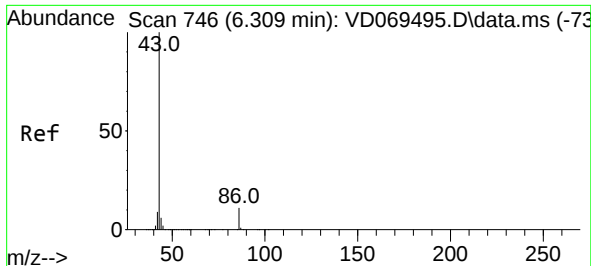
Tgt Ion: 43 Resp: 157
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



#20
Methylene Chloride
Concen: 3.430 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD069641.D
Acq: 08 Jul 2021 20:50

Tgt Ion: 84 Resp: 14374
Ion Ratio Lower Upper
84 100
49 119.3 94.0 141.0
51 35.8 29.7 44.5
86 62.6 50.1 75.1

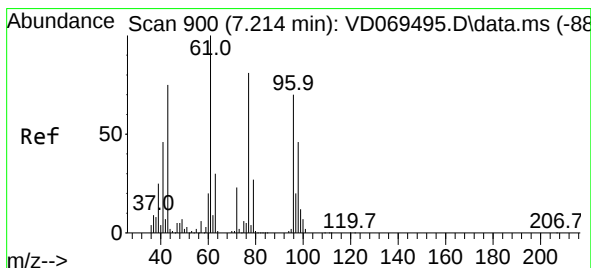
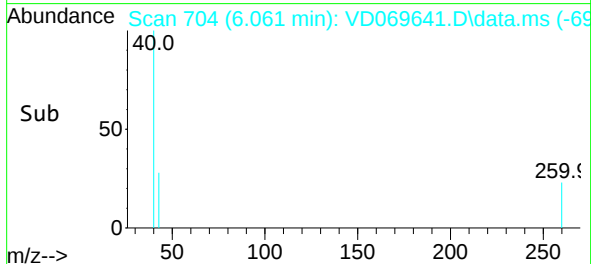
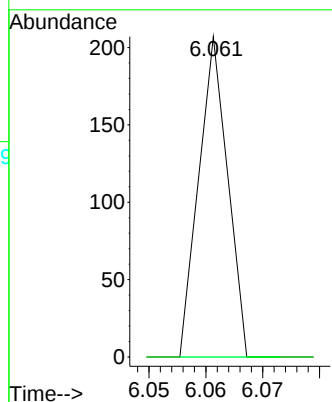
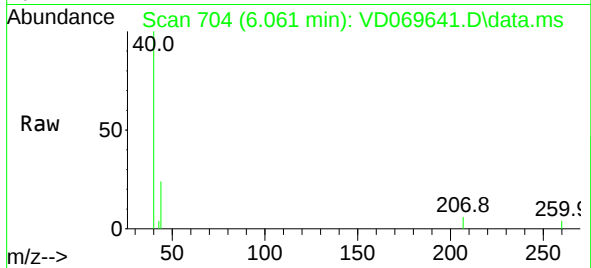




#23
 Vinyl Acetate
 Concen: 19.044 ug/l
 RT: 6.061 min Scan# 704
 Delta R.T. -0.248 min
 Lab File: VD069641.D
 Acq: 08 Jul 2021 20:50

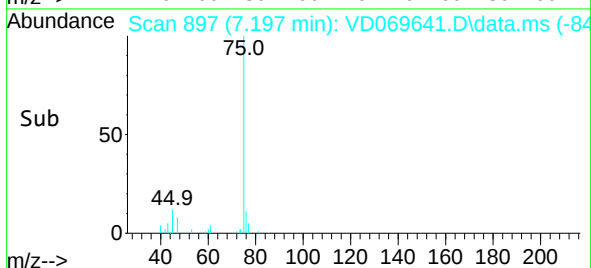
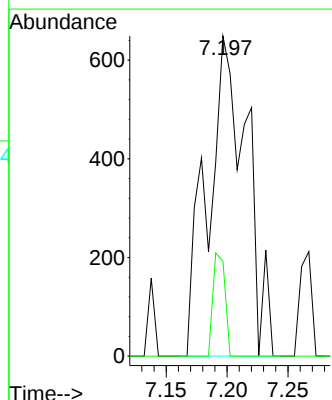
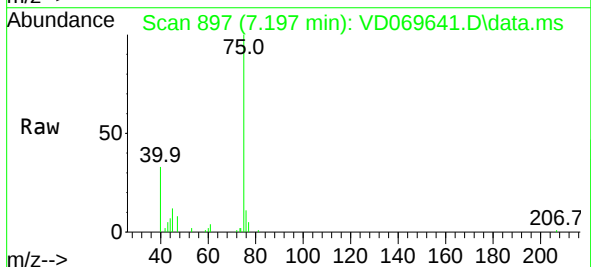
Instrument :
 MSVOA_D
 ClientSampled :

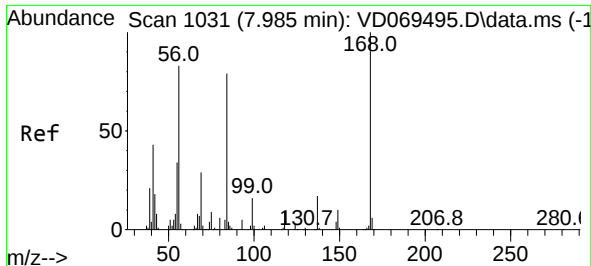
Tgt Ion: 43 Resp: 73
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.1 13.7#



#25
 2-Butanone
 Concen: 4.723 ug/l
 RT: 7.197 min Scan# 897
 Delta R.T. -0.018 min
 Lab File: VD069641.D
 Acq: 08 Jul 2021 20:50

Tgt Ion: 43 Resp: 1446
 Ion Ratio Lower Upper
 43 100
 72 29.7 24.3 36.5

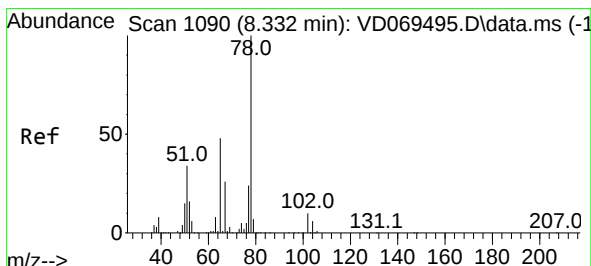
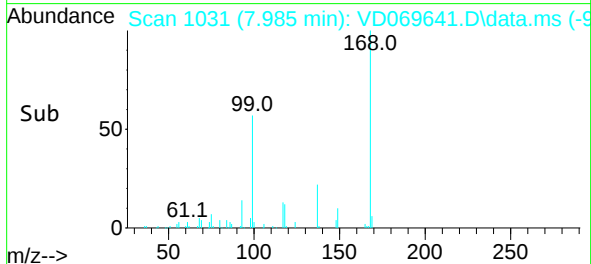
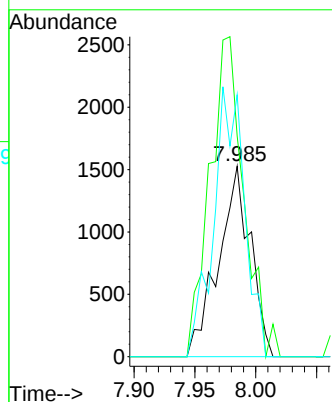
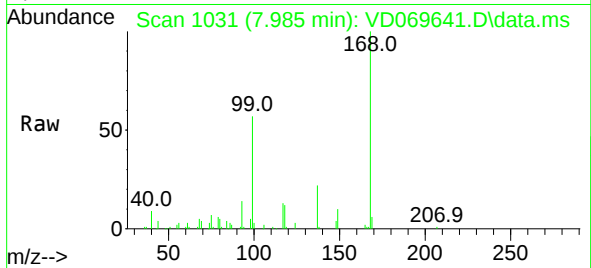




#31
Cyclohexane
Concen: 1.450 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD069641.D
Acq: 08 Jul 2021 20:50

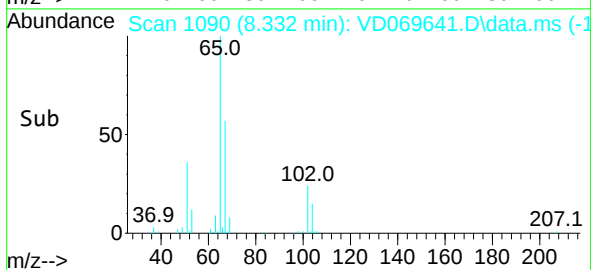
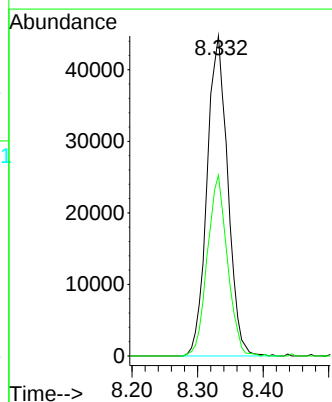
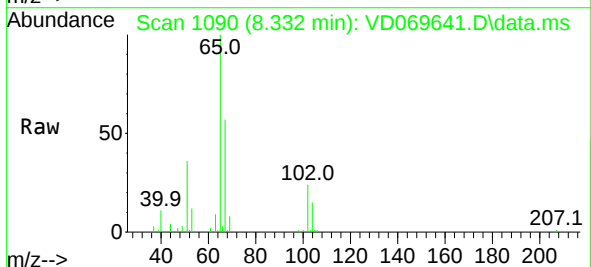
Instrument :
MSVOA_D
ClientSampled :

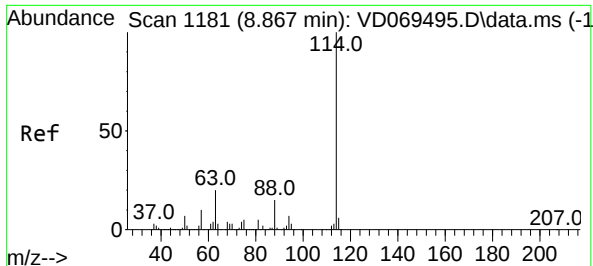
Tgt Ion: 56 Resp: 2795
Ion Ratio Lower Upper
56 100
69 115.9 28.0 42.0#
84 149.3 75.7 113.5#



#33
1,2-Dichloroethane-d4
Concen: 68.529 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069641.D
Acq: 08 Jul 2021 20:50

Tgt Ion: 65 Resp: 98102
Ion Ratio Lower Upper
65 100
67 54.8 0.0 105.6



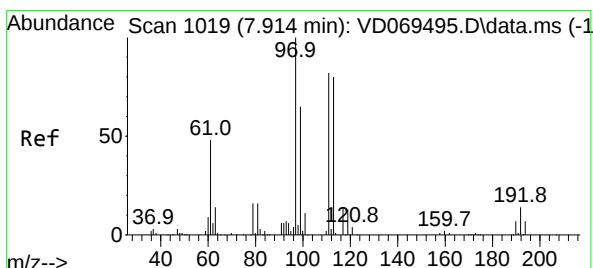
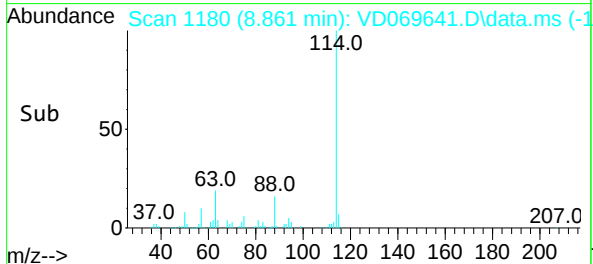
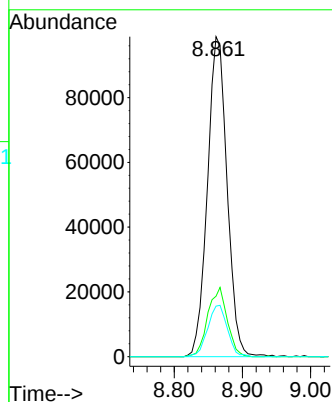
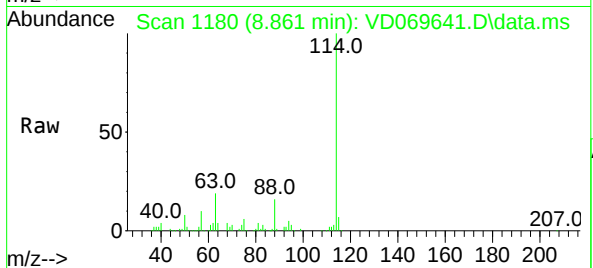


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069641.D
Acq: 08 Jul 2021 20:50

Instrument :
MSVOA_D
ClientSampled :

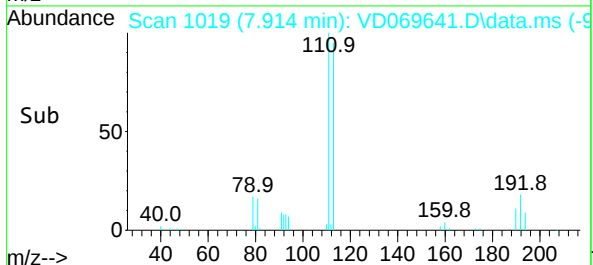
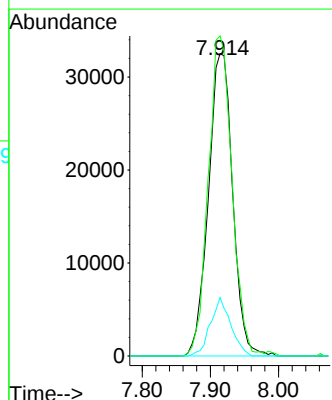
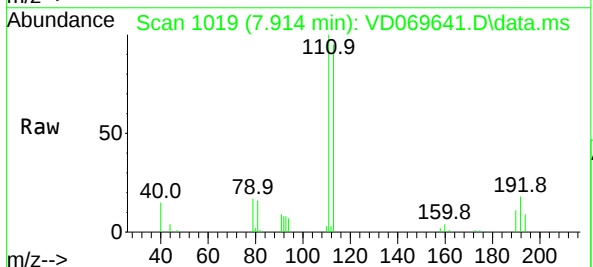
Tgt Ion:114 Resp: 198269
Ion Ratio Lower Upper
114 100
63 18.9 0.0 39.6
88 15.8 0.0 29.8

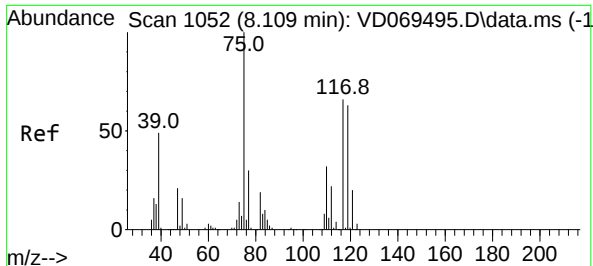


#35

Dibromofluoromethane
Concen: 60.204 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069641.D
Acq: 08 Jul 2021 20:50

Tgt Ion:113 Resp: 80689
Ion Ratio Lower Upper
113 100
111 103.4 81.8 122.8
192 16.2 13.8 20.6

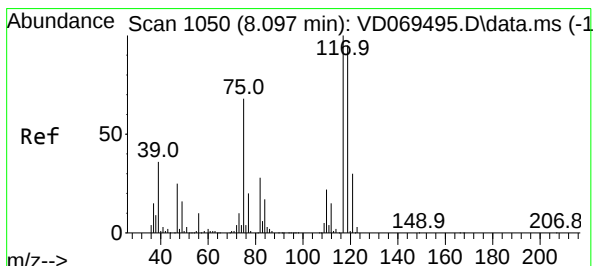
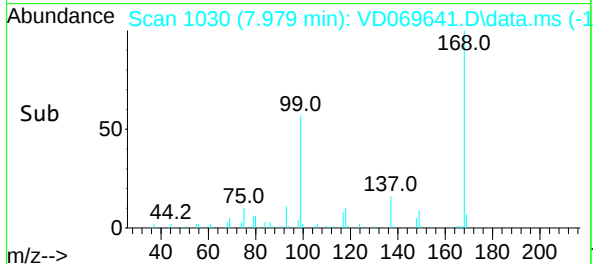
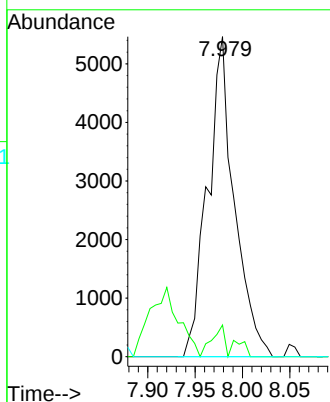
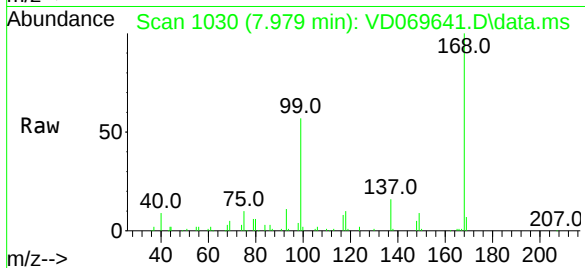




#36
1,1-Dichloropropene
Concen: 5.496 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD069641.D
Acq: 08 Jul 2021 20:50

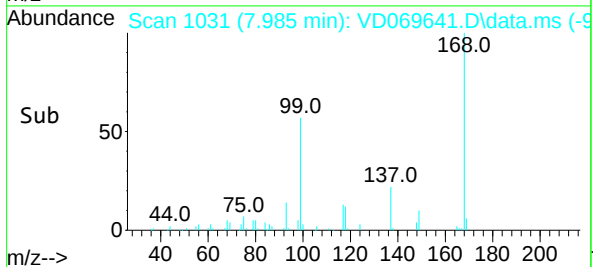
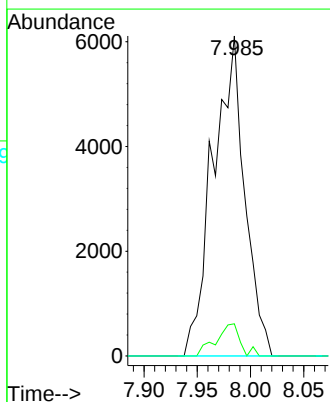
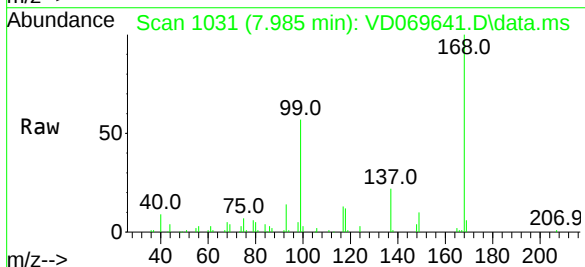
Instrument :
MSVOA_D
ClientSampled :

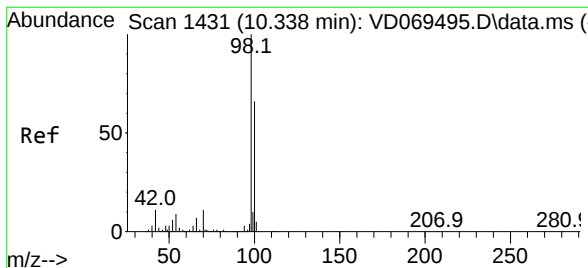
Tgt Ion: 75 Resp: 10694
Ion Ratio Lower Upper
75 100
110 4.7 16.8 50.4#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 6.547 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.112 min
Lab File: VD069641.D
Acq: 08 Jul 2021 20:50

Tgt Ion: 117 Resp: 12609
Ion Ratio Lower Upper
117 100
119 10.1 75.6 113.4#
121 0.0 23.8 35.8#

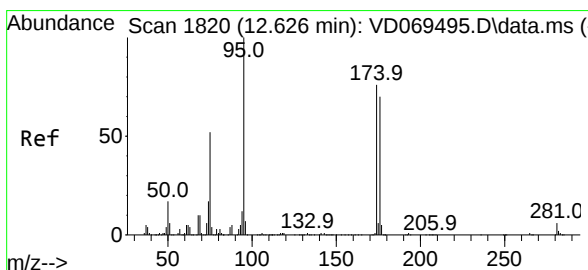
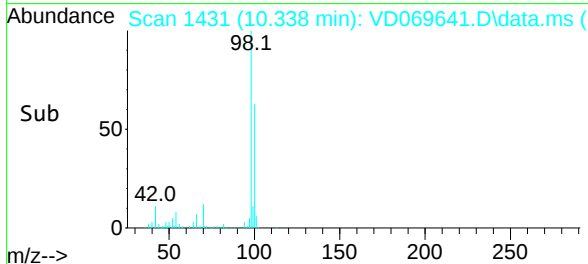
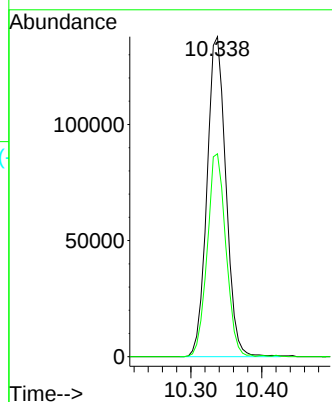
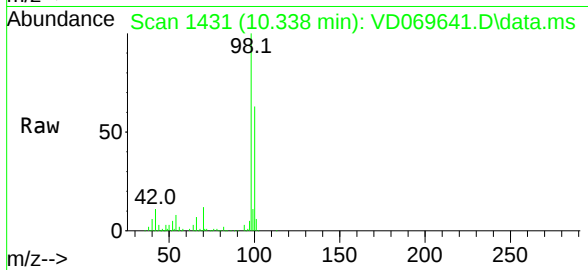




#50
Toluene-d8
Concen: 50.815 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069641.D
Acq: 08 Jul 2021 20:50

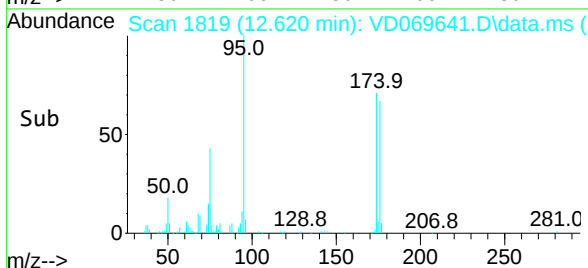
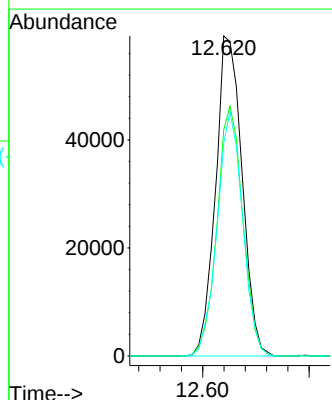
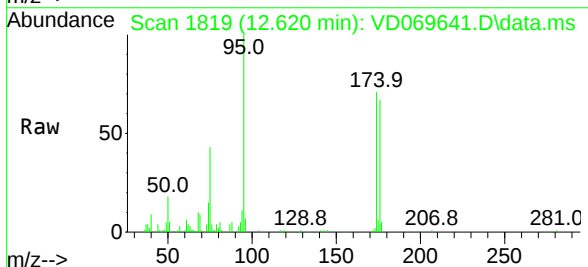
Instrument :
MSVOA_D
ClientSampled :

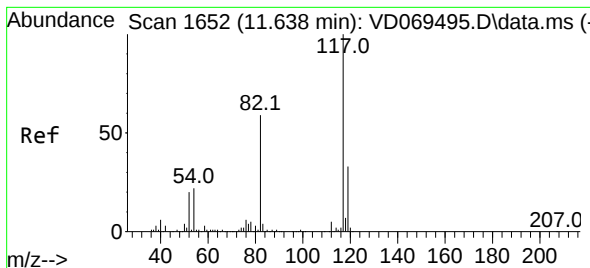
Tgt Ion: 98 Resp: 255458
Ion Ratio Lower Upper
98 100
100 62.5 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 61.894 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD069641.D
Acq: 08 Jul 2021 20:50

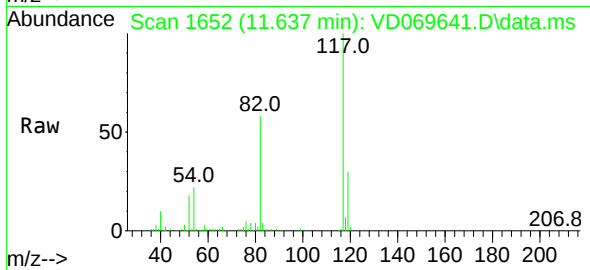
Tgt Ion: 95 Resp: 102294
Ion Ratio Lower Upper
95 100
174 75.8 0.0 148.0
176 73.4 0.0 139.8



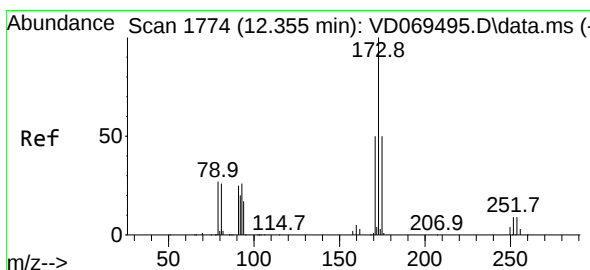
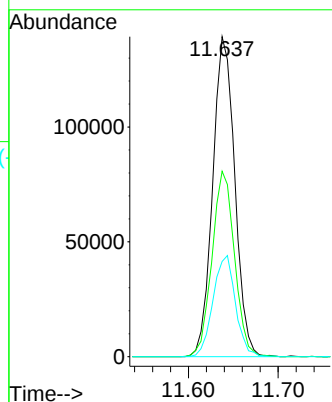
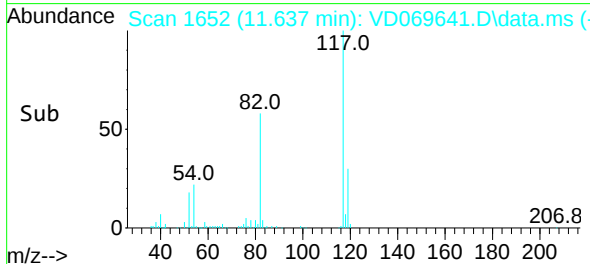


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069641.D
Acq: 08 Jul 2021 20:50

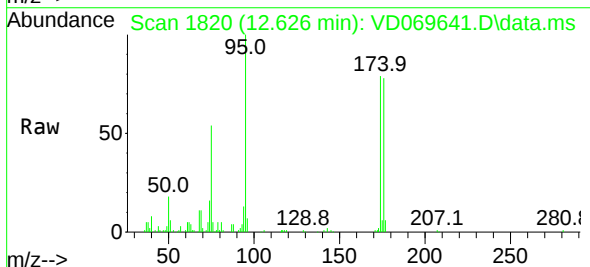
Instrument :
MSVOA_D
ClientSampleId :



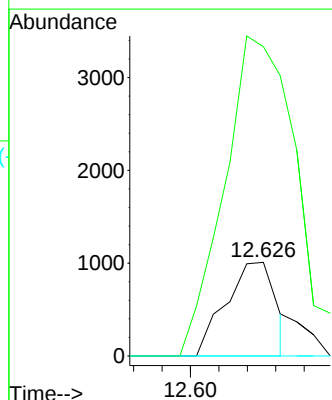
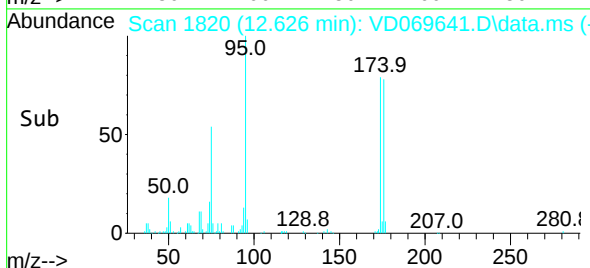
Tgt Ion:117 Resp: 238338
Ion Ratio Lower Upper
117 100
82 58.0 46.8 70.2
119 29.8 26.2 39.2

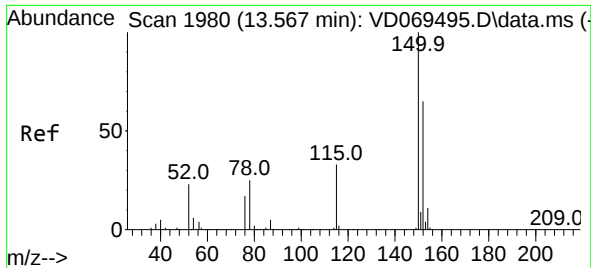


#71
Bromoform
Concen: 1.411 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.270 min
Lab File: VD069641.D
Acq: 08 Jul 2021 20:50



Tgt Ion:173 Resp: 1232
Ion Ratio Lower Upper
173 100
175 392.3 24.6 73.8#
254 0.0 0.1 0.1#

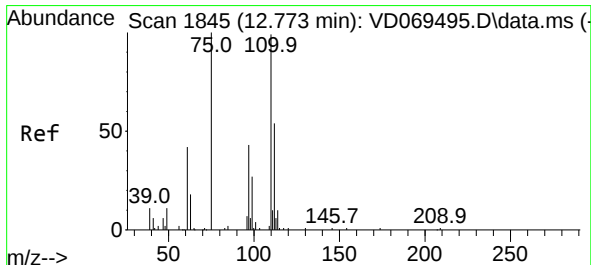
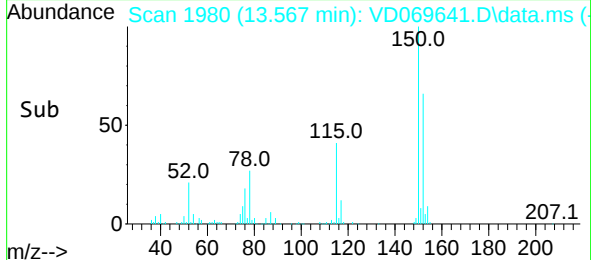
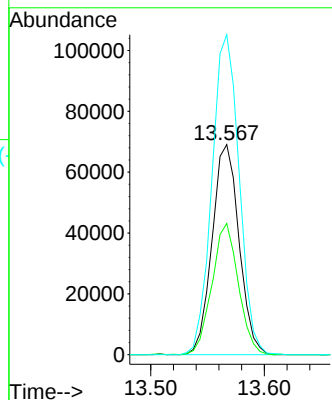
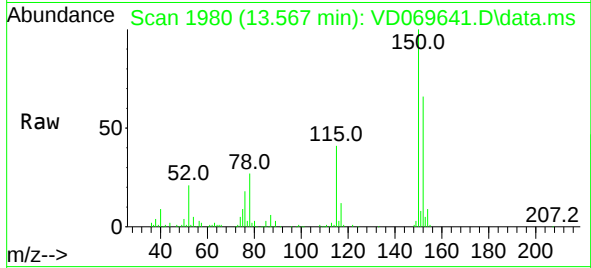




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD069641.D
 Acq: 08 Jul 2021 20:50

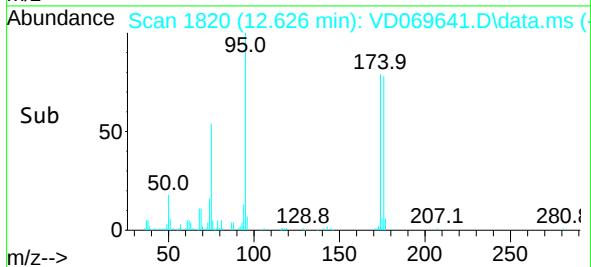
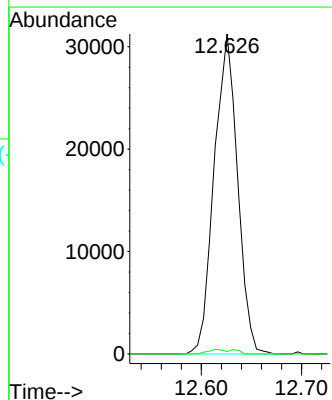
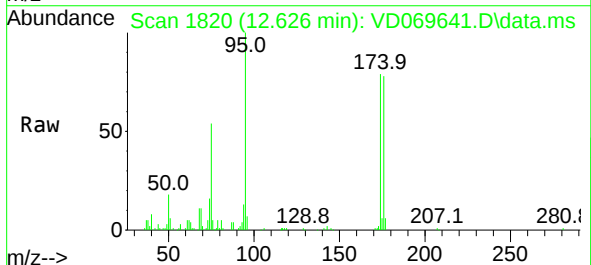
Instrument :
 MSVOA_D
 ClientSampled :

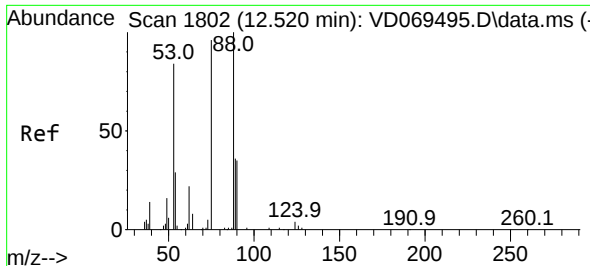
Tgt Ion:152 Resp: 113678
 Ion Ratio Lower Upper
 152 100
 115 61.4 31.7 95.1
 150 153.9 0.0 350.8



#76
 1,2,3-Trichloropropane
 Concen: 45.228 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069641.D
 Acq: 08 Jul 2021 20:50

Tgt Ion: 75 Resp: 50470
 Ion Ratio Lower Upper
 75 100
 77 1.6 162.6 487.8#

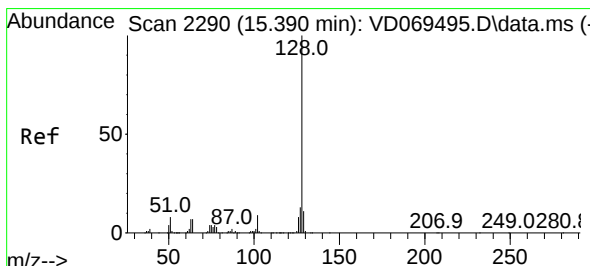
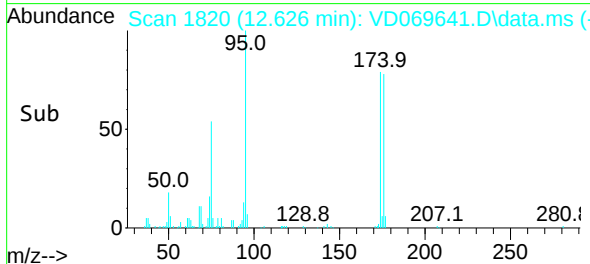
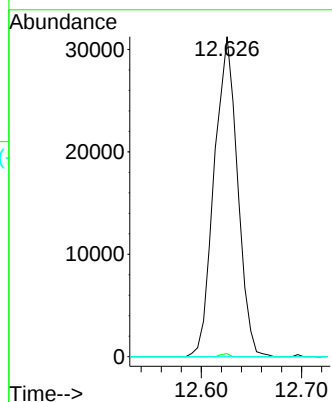
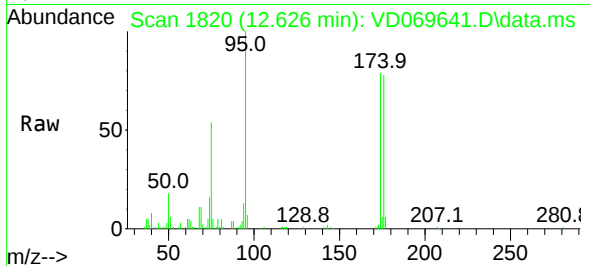




#81
 trans-1,4-Dichloro-2-butene
 Concen: 112.929 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD069641.D
 Acq: 08 Jul 2021 20:50

Instrument :
 MSVOA_D
 ClientSampleId :

Tgt Ion: 75 Resp: 50470
 Ion Ratio Lower Upper
 75 100
 53 0.3 74.6 112.0#
 89 0.0 35.3 52.9#



#95
 Naphthalene
 Concen: 3.578 ug/l
 RT: 15.384 min Scan# 2289
 Delta R.T. -0.006 min
 Lab File: VD069641.D
 Acq: 08 Jul 2021 20:50

Tgt Ion: 128 Resp: 848
 Ion Ratio Lower Upper
 128 100
 127 7.3 10.6 16.0#
 129 0.0 8.7 13.1#

