

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070921\
 Data File : VD069656.D
 Acq On : 09 Jul 2021 19:52
 Operator : VA/SY
 Sample : M2988-07
 Misc : 5.81G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 GRAB-2

Quant Time: Jul 10 02:57:24 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)

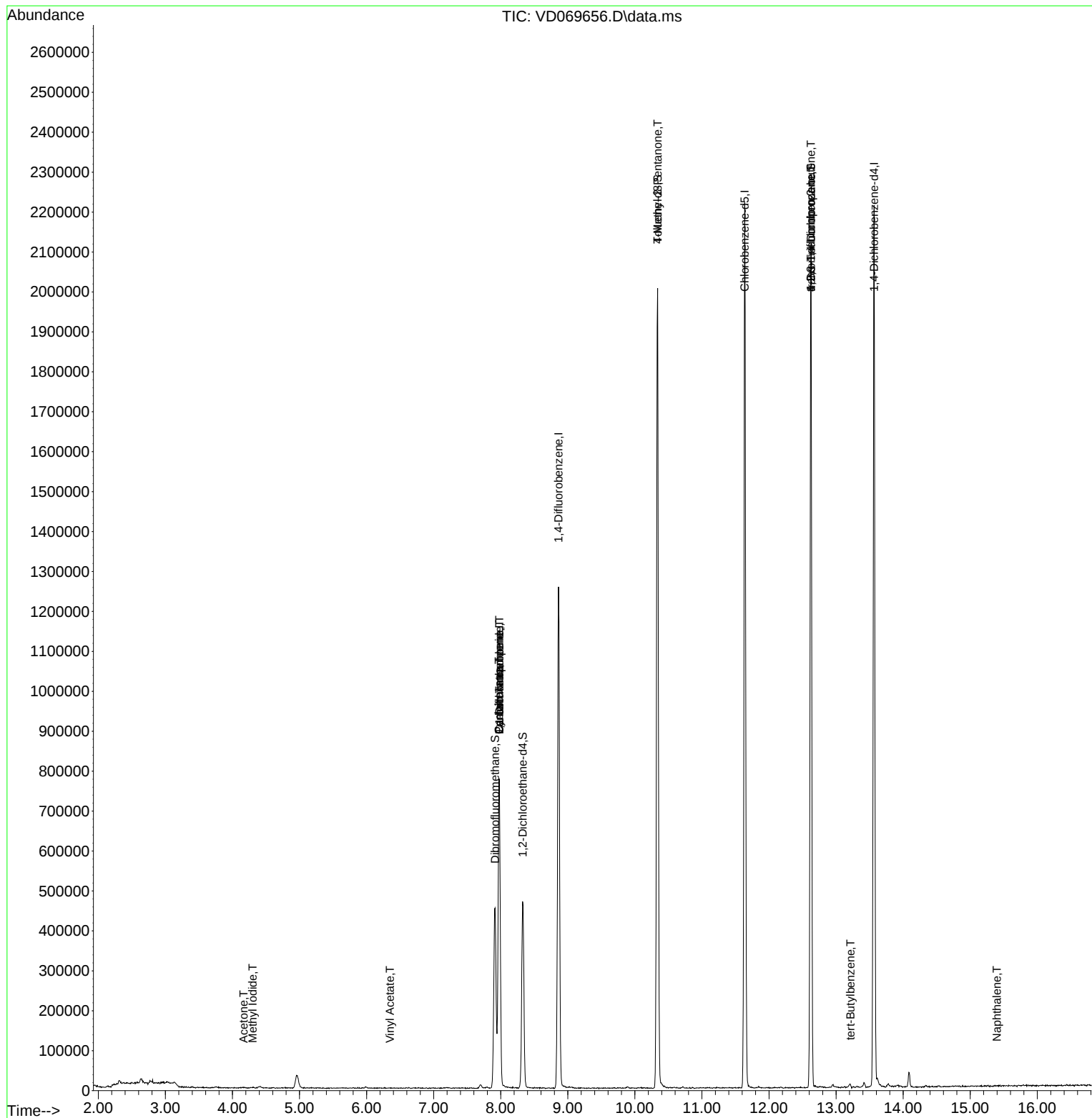
Internal Standards						
1) Pentafluorobenzene	7.979	168	542275	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1061828	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1261850	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	572783	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	379828	56.193	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.380%			
35) Dibromofluoromethane	7.914	113	342947	47.779	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 95.560%			
50) Toluene-d8	10.338	98	1428842	53.071	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.140%			
62) 4-Bromofluorobenzene	12.626	95	603476	68.180	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 136.360%			
Target Compounds					Qvalue	
5) Bromomethane	2.768	94	4860	Below Cal		84
10) Methyl Iodide	4.303	142	2228	4.302 ug/l #		74
11) Tert butyl alcohol	5.209	59	228	Below Cal #		83
16) Acetone	4.167	43	1745	1.534 ug/l #		83
18) Methyl Acetate	4.720	43	280	Below Cal #		49
20) Methylene Chloride	4.967	84	26368	Below Cal #		83
23) Vinyl Acetate	6.350	43	55	19.016 ug/l #		70
31) Cyclohexane	7.973	56	13358	1.468 ug/l #		1
36) 1,1-Dichloropropene	7.979	75	50990	4.893 ug/l #		50
38) Carbon Tetrachloride	7.979	117	59919	5.810 ug/l #		18
51) 4-Methyl-2-Pentanone	10.338	43	6092	1.649 ug/l #		1
76) 1,2,3-Trichloropropane	12.626	75	303744	54.022 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.626	75	303744	134.886 ug/l #		13
83) tert-Butylbenzene	13.214	119	250	2.000 ug/l #		25
95) Naphthalene	15.396	128	361	3.373 ug/l #		69

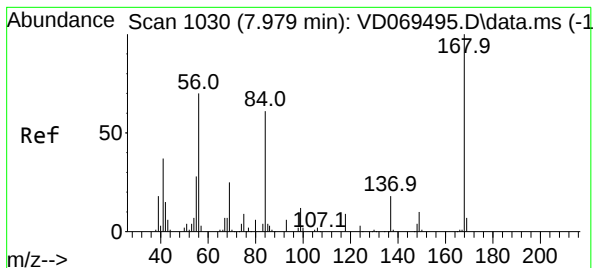
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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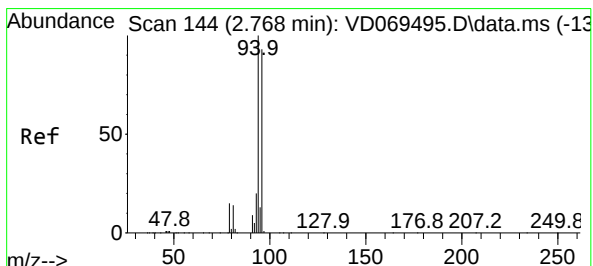
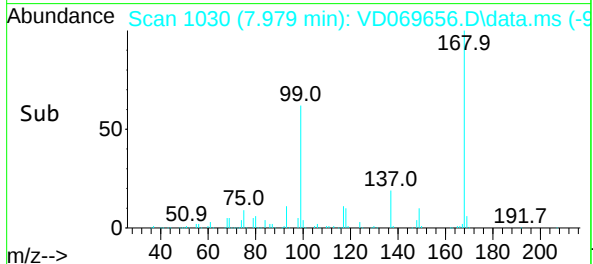
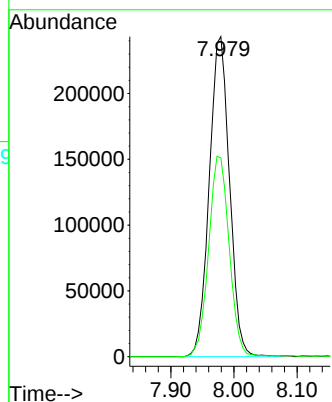
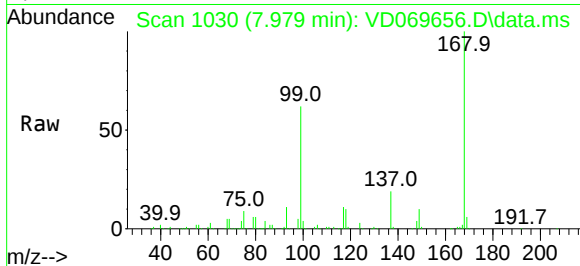




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069656.D
Acq: 09 Jul 2021 19:52

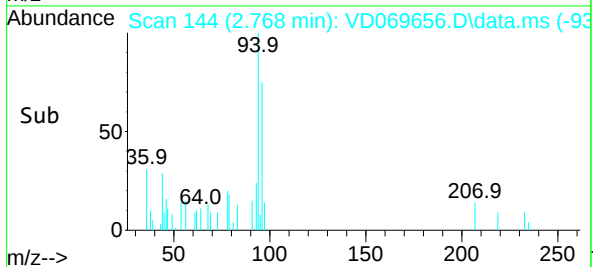
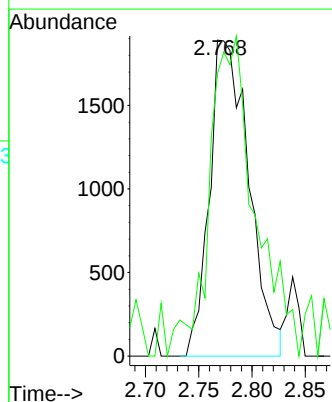
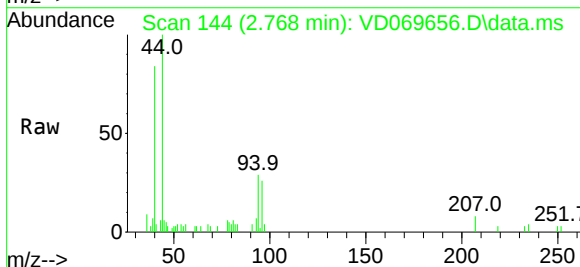
Instrument :
MSVOA_D
ClientSampleId :
GRAB-2

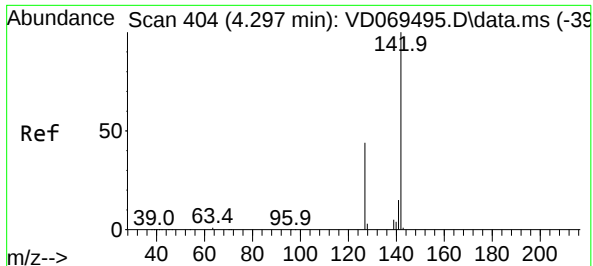
Tgt Ion:168 Resp: 542275
Ion Ratio Lower Upper
168 100
99 62.0 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.768 min Scan# 144
Delta R.T. -0.000 min
Lab File: VD069656.D
Acq: 09 Jul 2021 19:52

Tgt Ion: 94 Resp: 4860
Ion Ratio Lower Upper
94 100
96 77.9 74.6 111.8

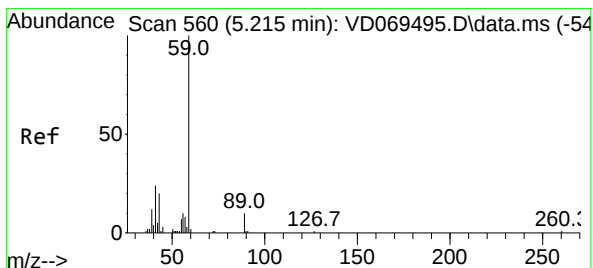
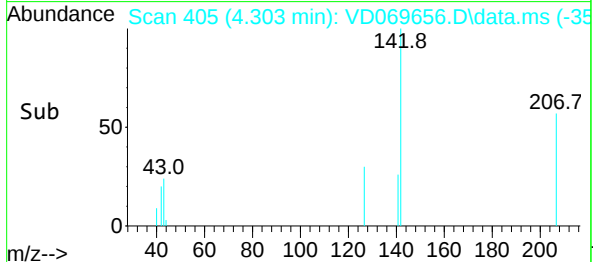
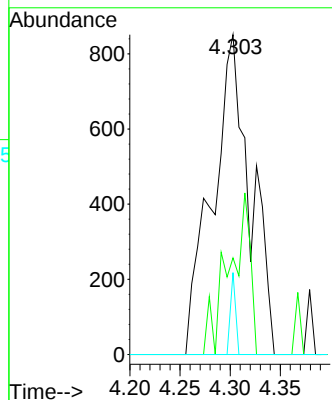
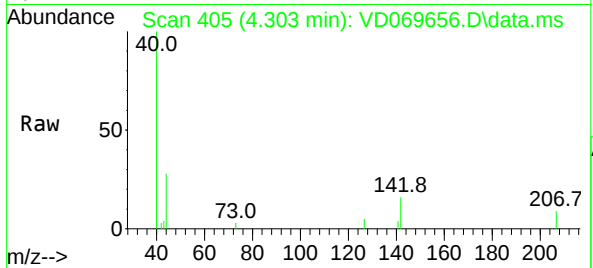




#10
Methyl Iodide
Concen: 4.302 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD069656.D
Acq: 09 Jul 2021 19:52

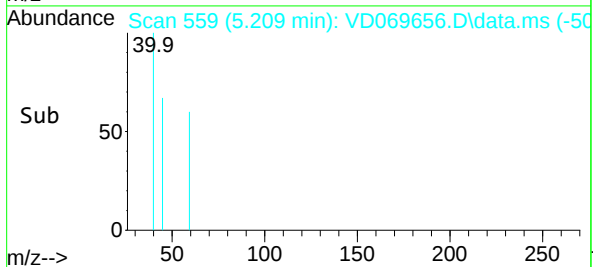
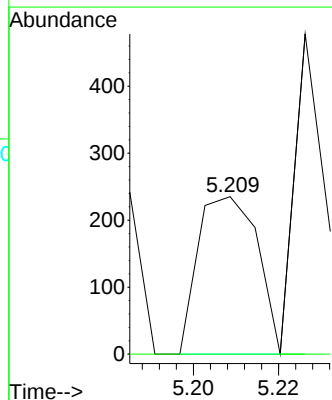
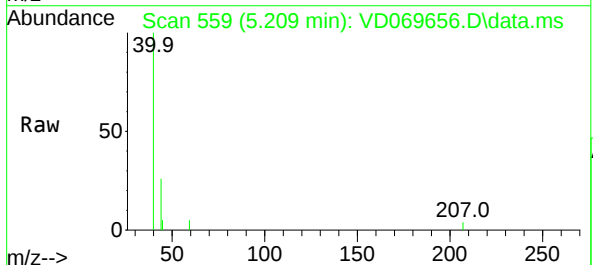
Instrument :
MSVOA_D
ClientSampled :
GRAB-2

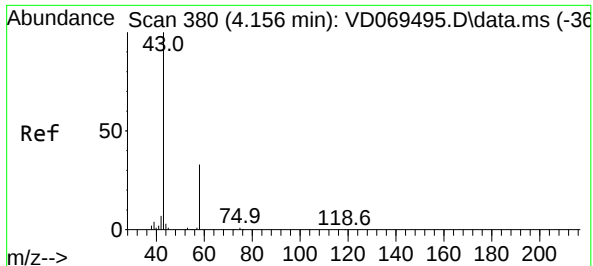
Tgt Ion:142 Resp: 2228
Ion Ratio Lower Upper
142 100
127 28.6 36.5 54.7#
141 3.5 12.0 18.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.209 min Scan# 559
Delta R.T. -0.006 min
Lab File: VD069656.D
Acq: 09 Jul 2021 19:52

Tgt Ion: 59 Resp: 228
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

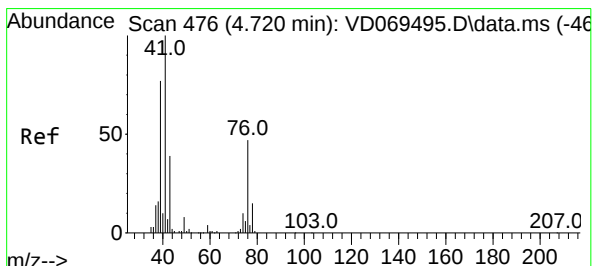
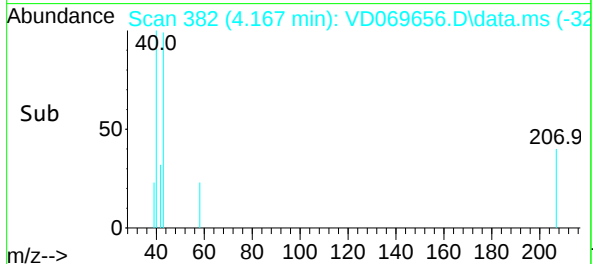
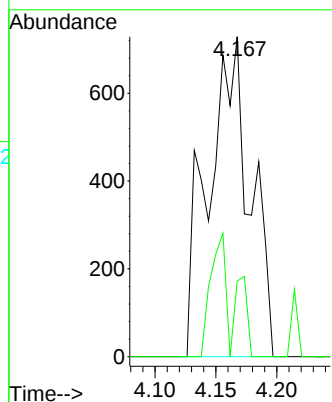
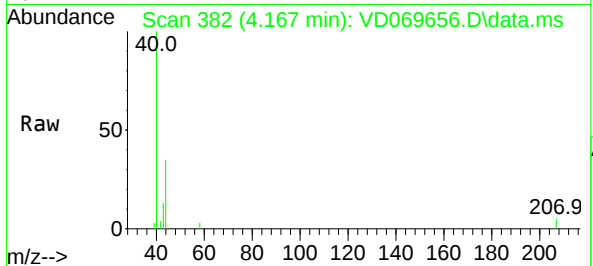




#16
Acetone
Concen: 1.534 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD069656.D
Acq: 09 Jul 2021 19:52

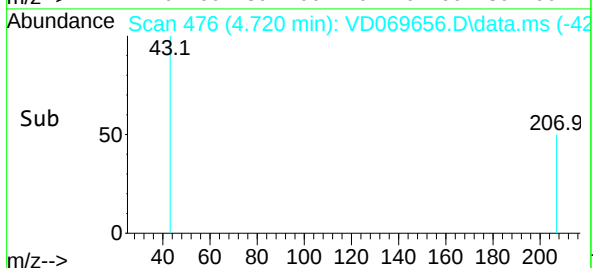
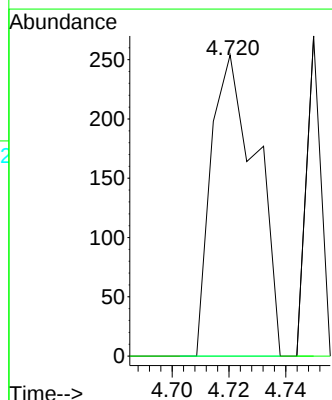
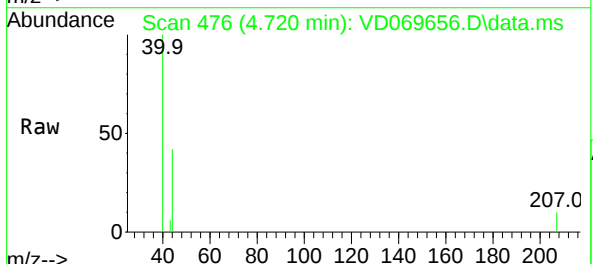
Instrument :
MSVOA_D
ClientSampled :
GRAB-2

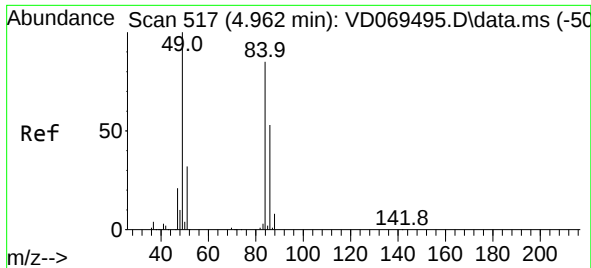
Tgt Ion: 43 Resp: 1745
Ion Ratio Lower Upper
43 100
58 23.6 26.8 40.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.720 min Scan# 476
Delta R.T. 0.000 min
Lab File: VD069656.D
Acq: 09 Jul 2021 19:52

Tgt Ion: 43 Resp: 280
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#

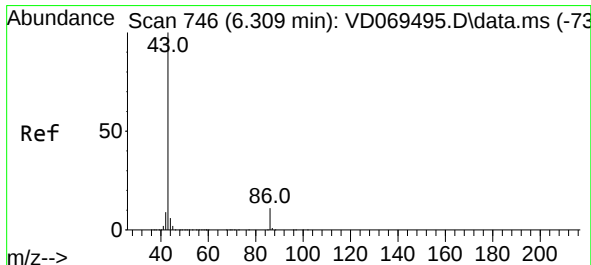
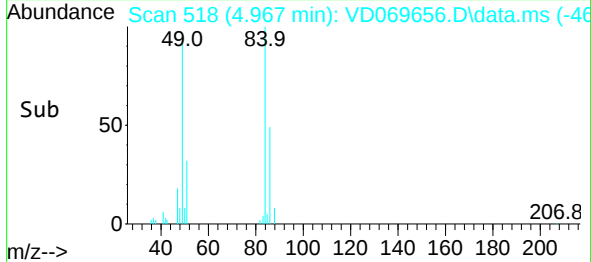
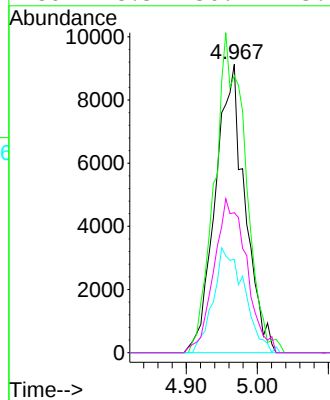
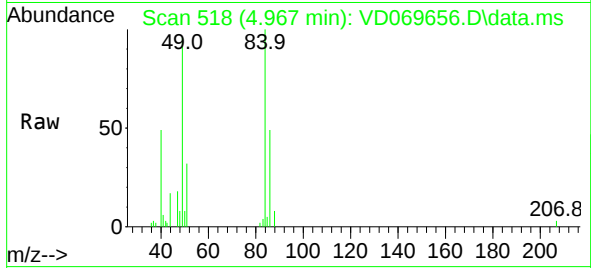




#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD069656.D
Acq: 09 Jul 2021 19:52

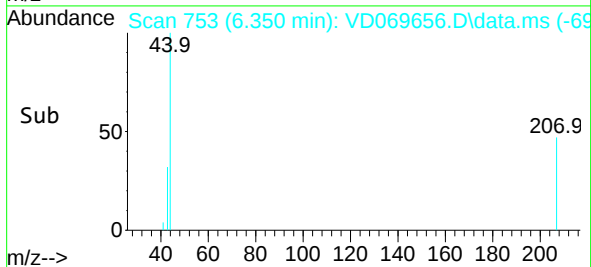
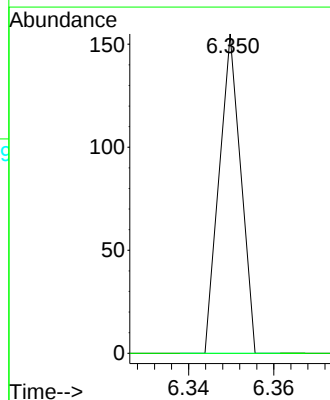
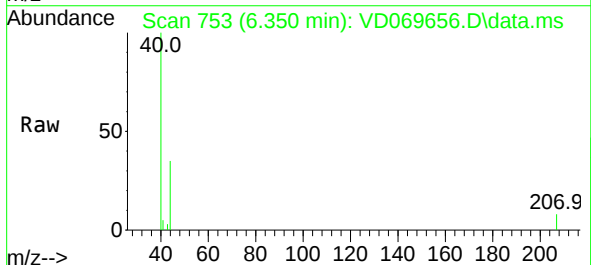
Instrument :
MSVOA_D
ClientSampleId :
GRAB-2

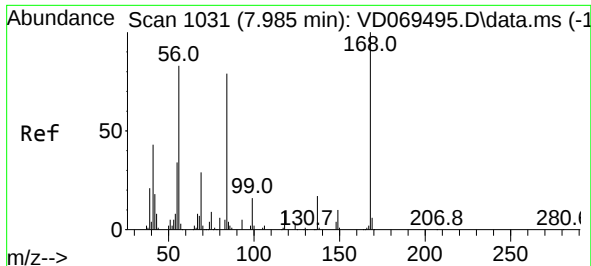
Tgt Ion:	84	Resp:	26368
Ion	Ratio	Lower	Upper
84	100		
49	96.0	94.0	141.0
51	32.4	29.7	44.5
86	48.5	50.1	75.1#



#23
Vinyl Acetate
Concen: 19.016 ug/l
RT: 6.350 min Scan# 753
Delta R.T. 0.041 min
Lab File: VD069656.D
Acq: 09 Jul 2021 19:52

Tgt Ion:	43	Resp:	55
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.1	13.7#

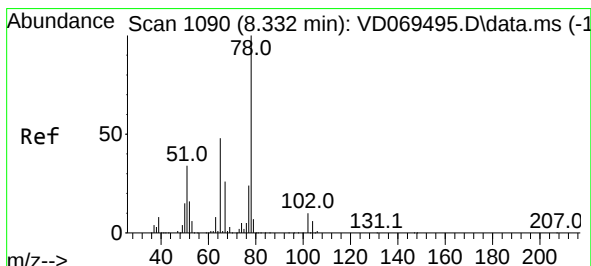
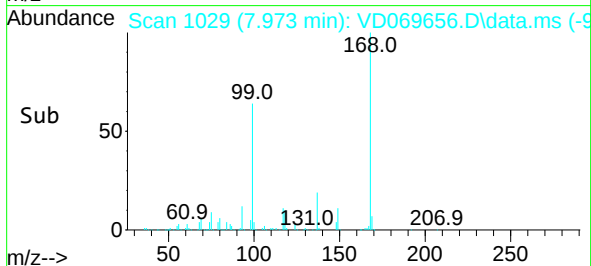
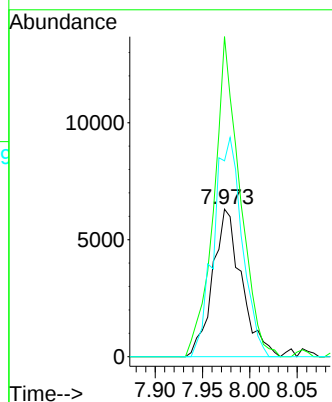
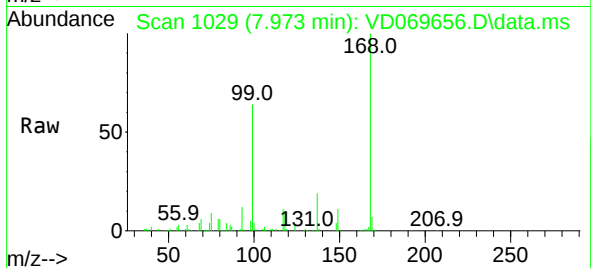




#31
Cyclohexane
Concen: 1.468 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069656.D
Acq: 09 Jul 2021 19:52

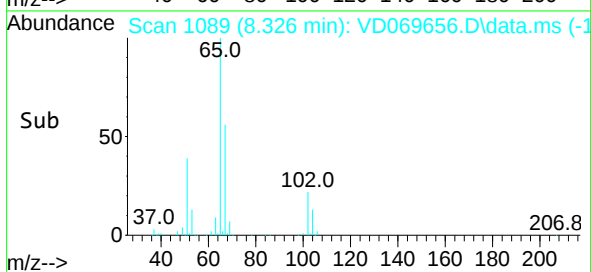
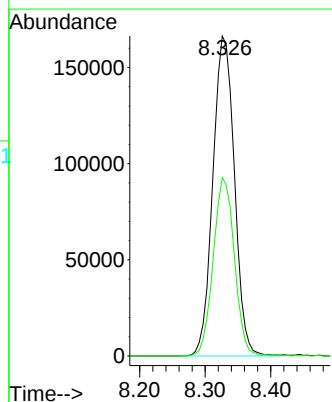
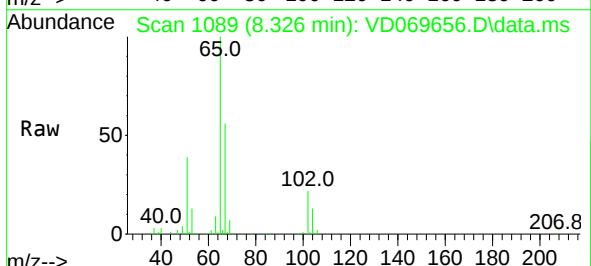
Instrument :
MSVOA_D
ClientSampleId :
GRAB-2

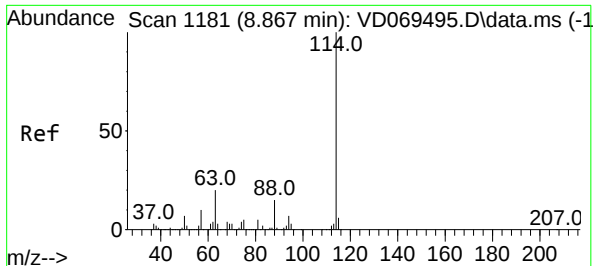
Tgt Ion: 56 Resp: 13358
Ion Ratio Lower Upper
56 100
69 217.0 28.0 42.0#
84 132.8 75.7 113.5#



#33
1,2-Dichloroethane-d4
Concen: 56.193 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD069656.D
Acq: 09 Jul 2021 19:52

Tgt Ion: 65 Resp: 379828
Ion Ratio Lower Upper
65 100
67 54.6 0.0 105.6



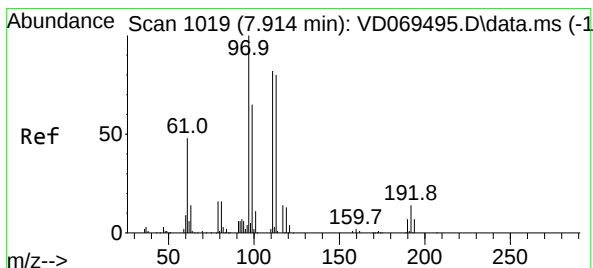
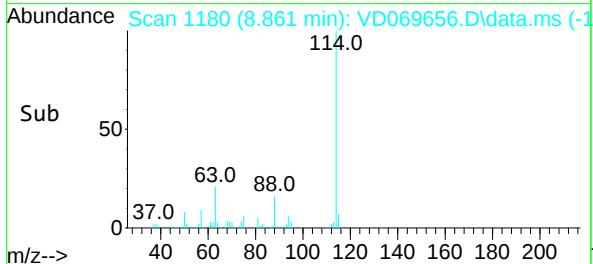
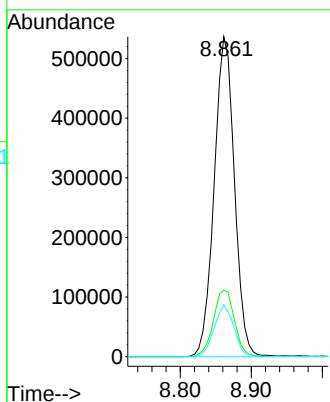
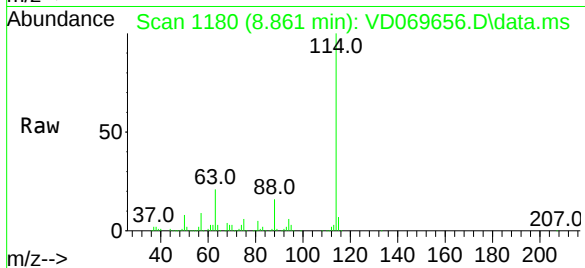


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069656.D
Acq: 09 Jul 2021 19:52

Instrument :
MSVOA_D
ClientSampleId :
GRAB-2

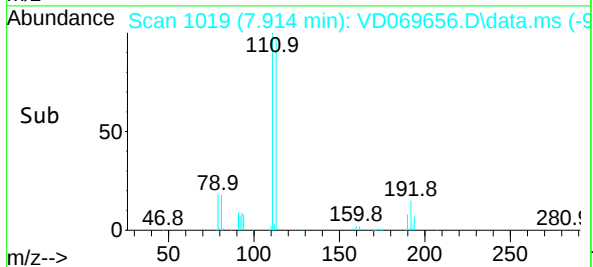
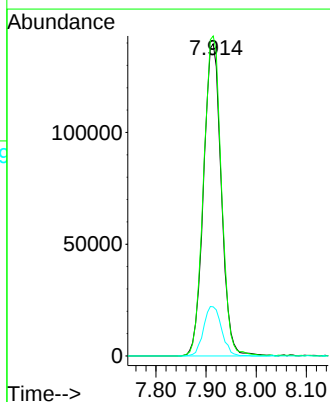
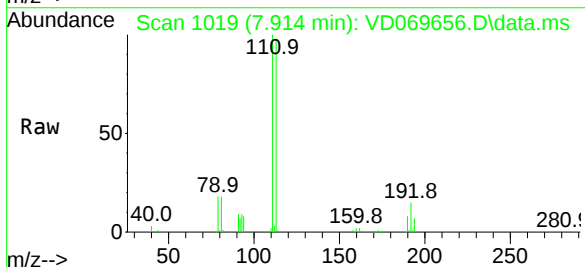
Tgt Ion:114 Resp: 1061828
Ion Ratio Lower Upper
114 100
63 20.8 0.0 39.6
88 16.2 0.0 29.8

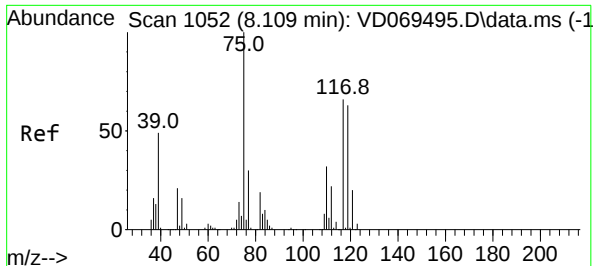


#35

Dibromofluoromethane
Concen: 47.779 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069656.D
Acq: 09 Jul 2021 19:52

Tgt Ion:113 Resp: 342947
Ion Ratio Lower Upper
113 100
111 102.8 81.8 122.8
192 16.2 13.8 20.6

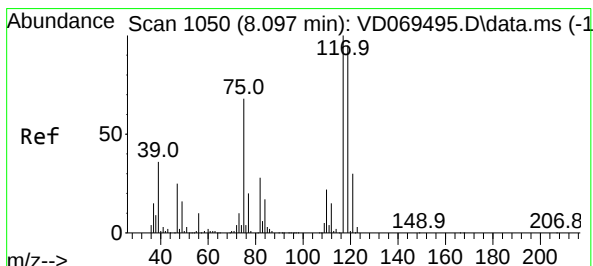
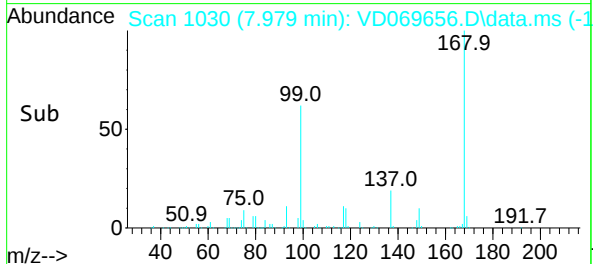
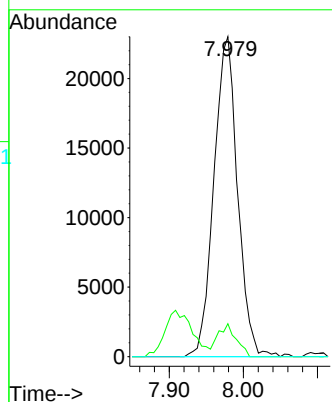
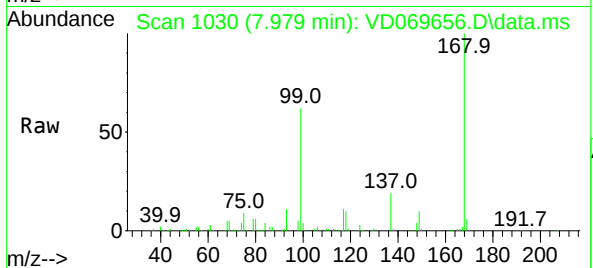




#36
1,1-Dichloropropene
Concen: 4.893 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD069656.D
Acq: 09 Jul 2021 19:52

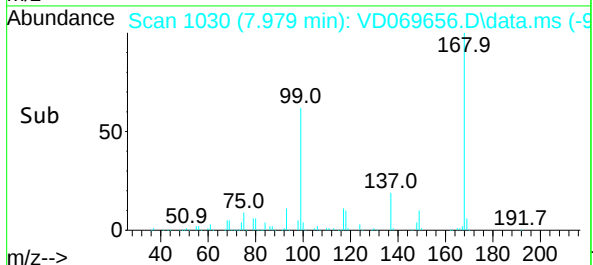
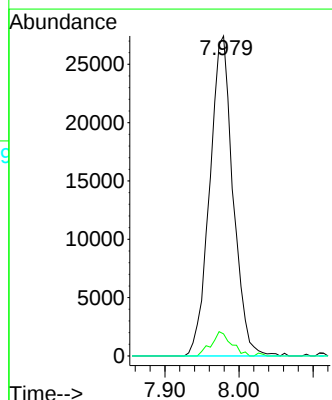
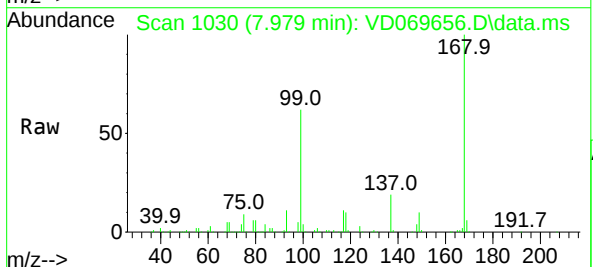
Instrument :
MSVOA_D
ClientSampled :
GRAB-2

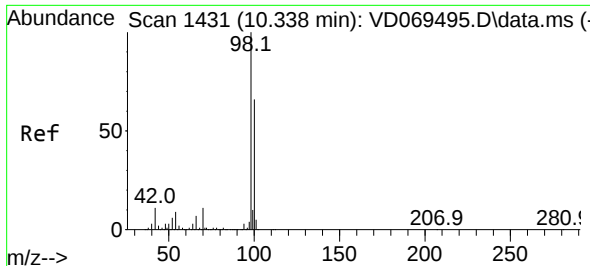
Tgt Ion: 75 Resp: 50990
Ion Ratio Lower Upper
75 100
110 7.9 16.8 50.4#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 5.810 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069656.D
Acq: 09 Jul 2021 19:52

Tgt Ion: 117 Resp: 59919
Ion Ratio Lower Upper
117 100
119 6.9 75.6 113.4#
121 0.0 23.8 35.8#

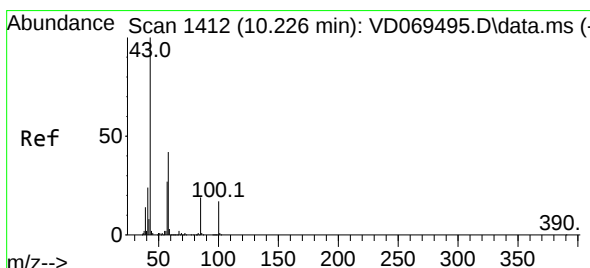
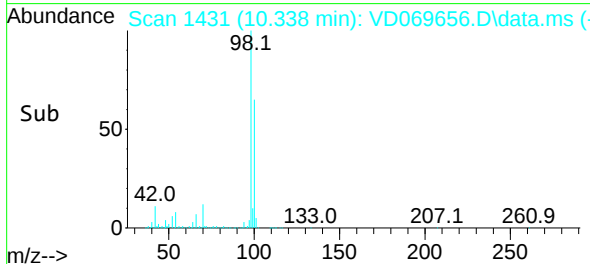
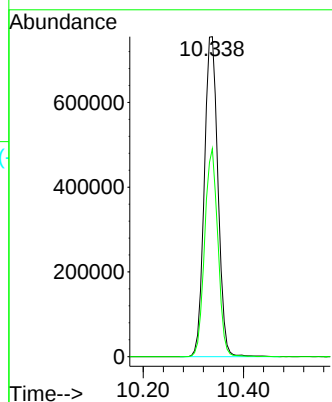
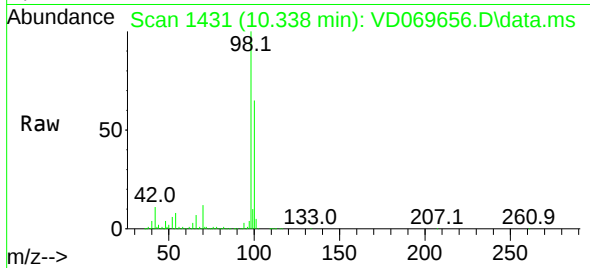




#50
Toluene-d8
Concen: 53.071 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069656.D
Acq: 09 Jul 2021 19:52

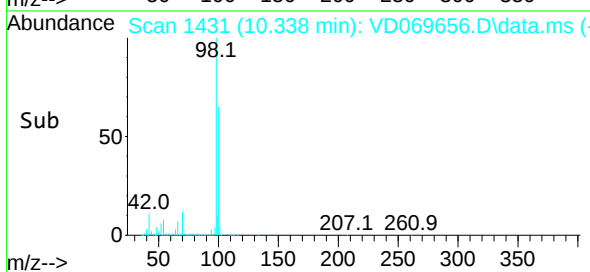
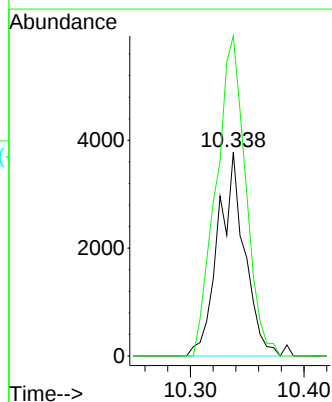
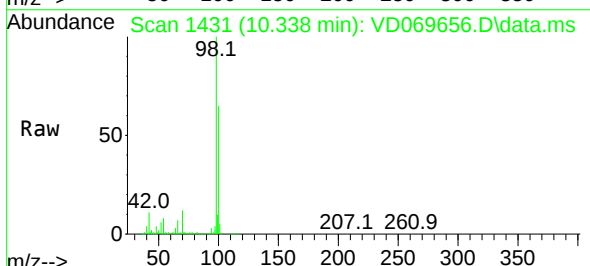
Instrument :
MSVOA_D
ClientSampleId :
GRAB-2

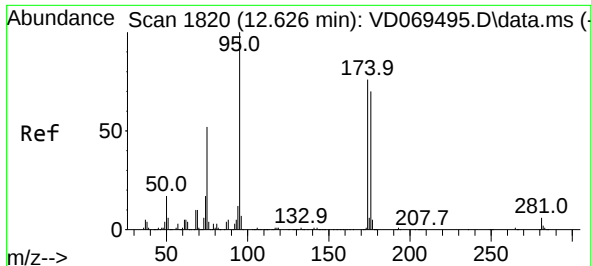
Tgt Ion: 98 Resp: 1428842
Ion Ratio Lower Upper
98 100
100 63.0 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 1.649 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD069656.D
Acq: 09 Jul 2021 19:52

Tgt Ion: 43 Resp: 6092
Ion Ratio Lower Upper
43 100
58 176.5 33.6 50.4#

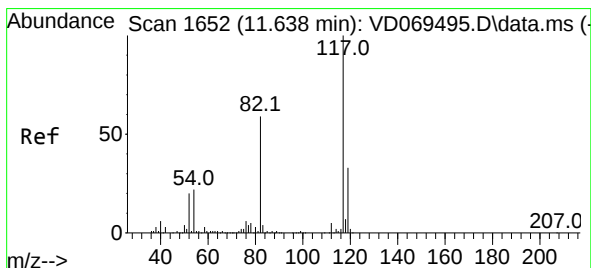
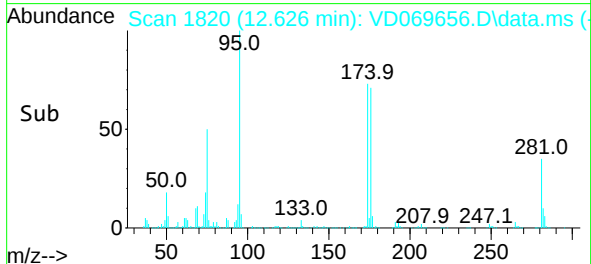
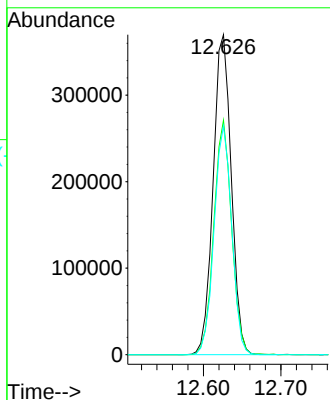
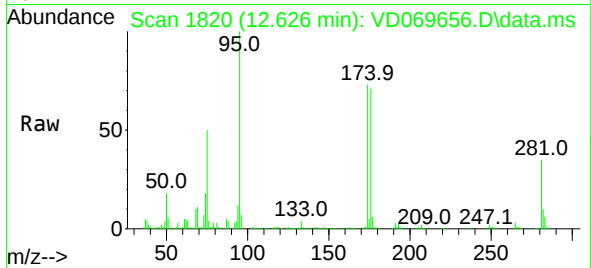




#62
4-Bromofluorobenzene
Concen: 68.180 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069656.D
Acq: 09 Jul 2021 19:52

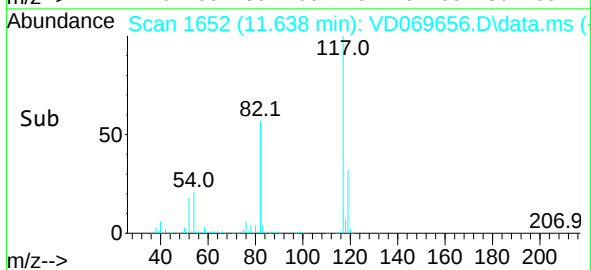
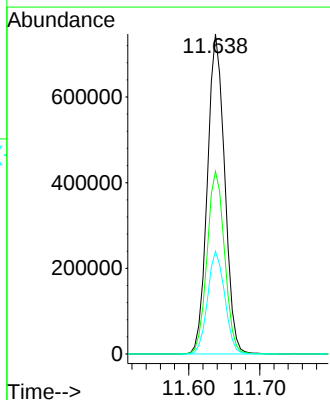
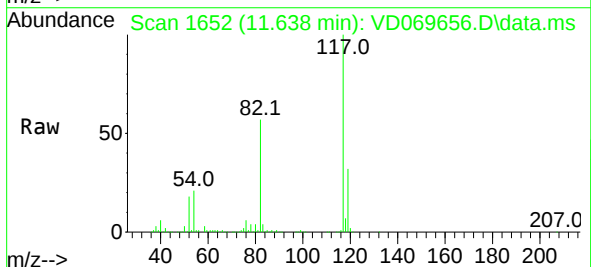
Instrument :
MSVOA_D
ClientSampleId :
GRAB-2

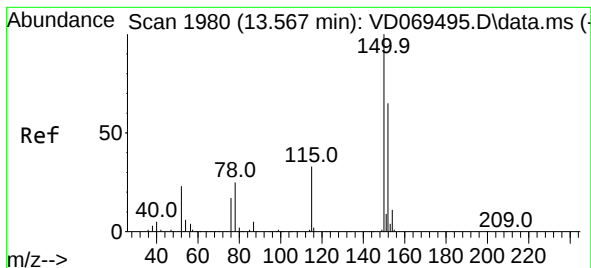
Tgt Ion: 95 Resp: 603476
Ion Ratio Lower Upper
95 100
174 71.9 0.0 148.0
176 69.6 0.0 139.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069656.D
Acq: 09 Jul 2021 19:52

Tgt Ion: 117 Resp: 1261850
Ion Ratio Lower Upper
117 100
82 57.0 46.8 70.2
119 32.1 26.2 39.2

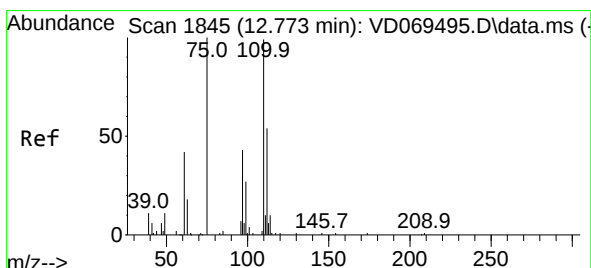
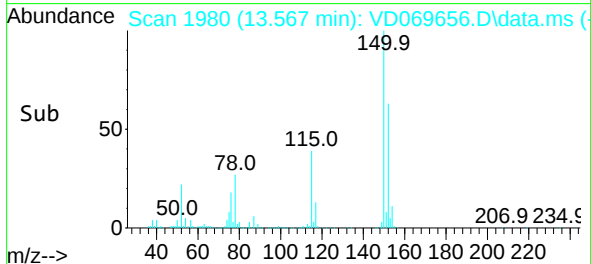
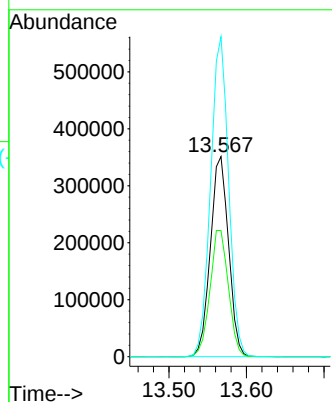
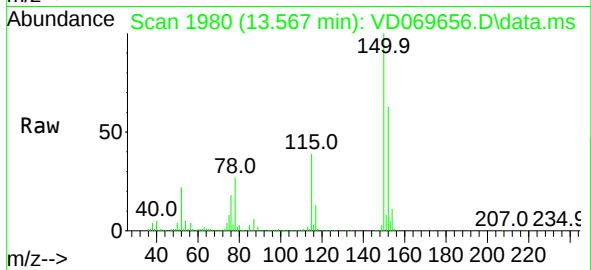




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069656.D
Acq: 09 Jul 2021 19:52

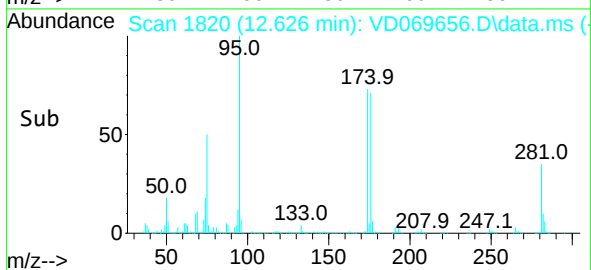
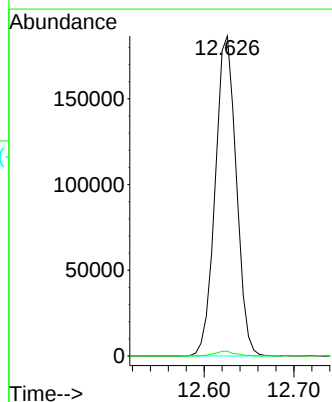
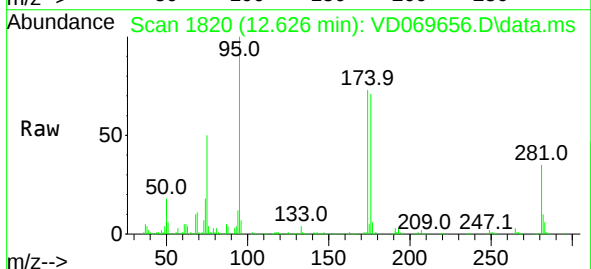
Instrument :
MSVOA_D
ClientSampleId :
GRAB-2

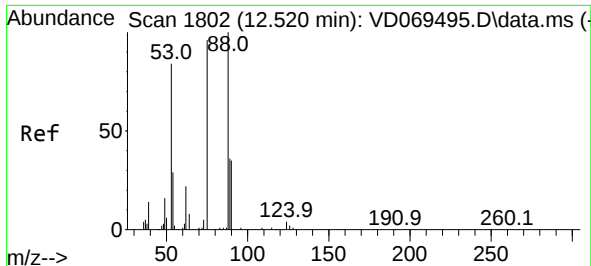
Tgt Ion:152 Resp: 572783
Ion Ratio Lower Upper
152 100
115 63.7 31.7 95.1
150 158.1 0.0 350.8



#76
1,2,3-Trichloropropane
Concen: 54.022 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069656.D
Acq: 09 Jul 2021 19:52

Tgt Ion: 75 Resp: 303744
Ion Ratio Lower Upper
75 100
77 1.4 162.6 487.8#

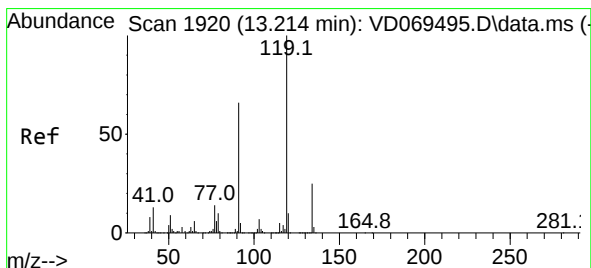
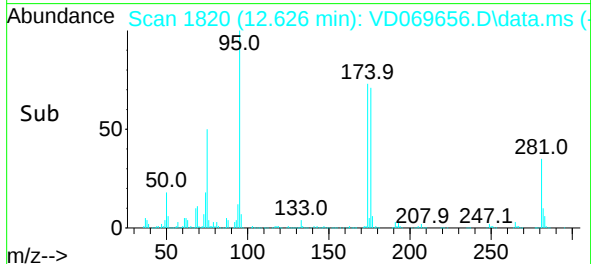
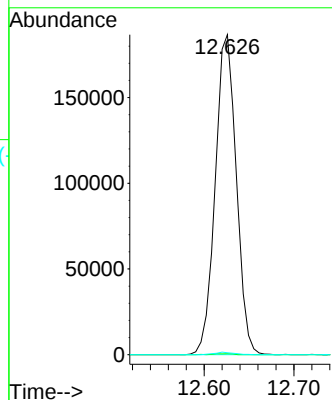
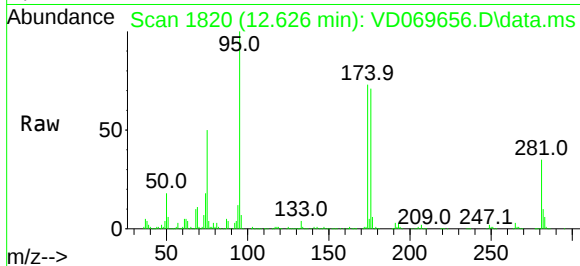




#81
 trans-1,4-Dichloro-2-butene
 Concen: 134.886 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD069656.D
 Acq: 09 Jul 2021 19:52

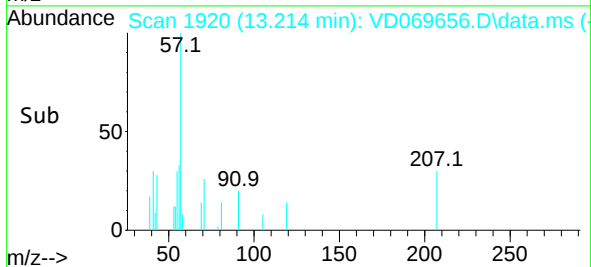
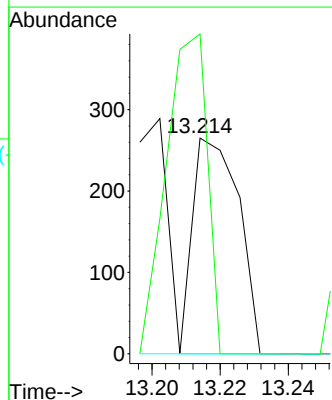
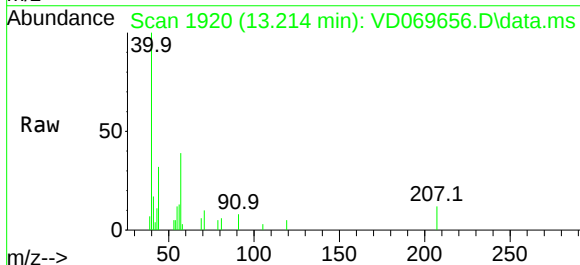
Instrument :
 MSVOA_D
 ClientSampleId :
 GRAB-2

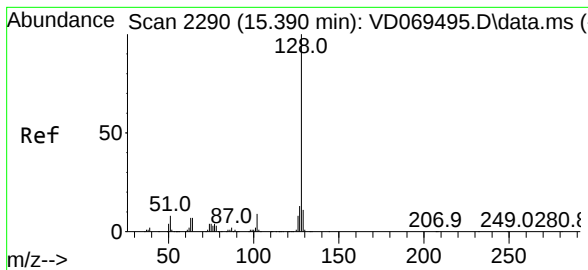
Tgt Ion: 75 Resp: 303744
 Ion Ratio Lower Upper
 75 100
 53 0.3 74.6 112.0#
 89 0.7 35.3 52.9#



#83
 tert-Butylbenzene
 Concen: 2.000 ug/l
 RT: 13.214 min Scan# 1920
 Delta R.T. 0.000 min
 Lab File: VD069656.D
 Acq: 09 Jul 2021 19:52

Tgt Ion: 119 Resp: 250
 Ion Ratio Lower Upper
 119 100
 91 131.6 32.5 97.4#
 134 0.0 12.9 38.7#





#95
Naphthalene
Concen: 3.373 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.006 min
Lab File: VD069656.D
Acq: 09 Jul 2021 19:52

Instrument :
MSVOA_D
ClientSampleId :
GRAB-2

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.7	13.1#

