

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070921\
 Data File : VD069657.D
 Acq On : 09 Jul 2021 20:20
 Operator : VA/SY
 Sample : M2988-08
 Misc : 6.59G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 GRAB-3

Quant Time: Jul 10 02:57:39 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)

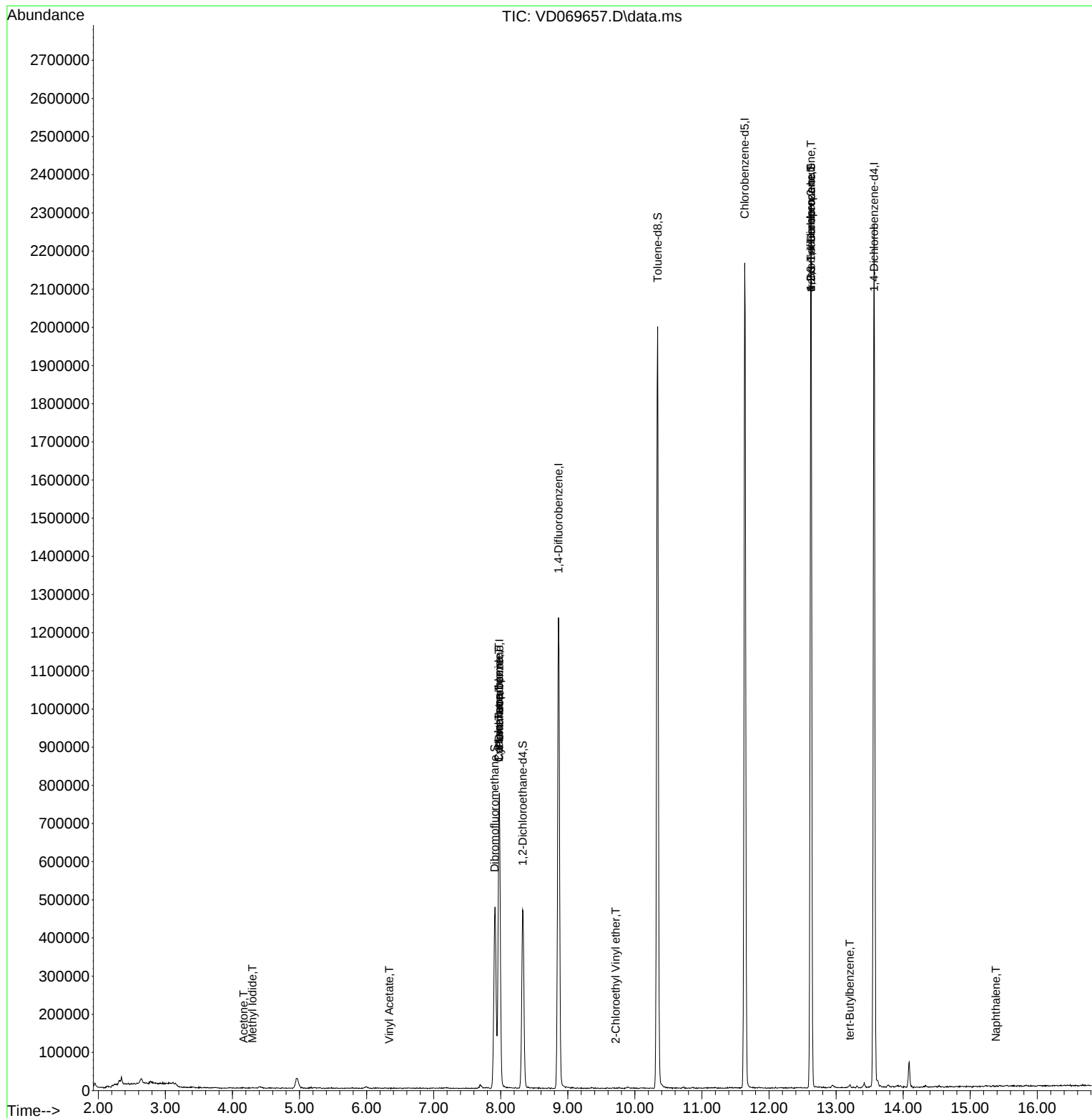
Internal Standards						
1) Pentafluorobenzene	7.979	168	527098	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1049637	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1252986	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	564440	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	375230	57.111	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.220%			
35) Dibromofluoromethane	7.908	113	349789	49.298	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.600%			
50) Toluene-d8	10.338	98	1380178	51.859	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.720%			
62) 4-Bromofluorobenzene	12.626	95	611661	69.908	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 139.820%			
Target Compounds					Qvalue	
5) Bromomethane	2.785	94	3936	Below Cal	#	70
10) Methyl Iodide	4.297	142	1892	4.256	ug/l #	57
11) Tert butyl alcohol	5.209	59	927	Below Cal	#	83
16) Acetone	4.167	43	2413	2.182	ug/l #	78
18) Methyl Acetate	4.726	43	61	Below Cal	#	49
20) Methylene Chloride	4.956	84	20875	Below Cal	#	87
23) Vinyl Acetate	6.338	43	60	19.017	ug/l #	70
31) Cyclohexane	7.973	56	13379	1.512	ug/l #	7
36) 1,1-Dichloropropene	7.973	75	50739	4.925	ug/l #	50
38) Carbon Tetrachloride	7.973	117	60024	5.887	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.714	63	65	10.618	ug/l #	47
76) 1,2,3-Trichloropropane	12.626	75	307208	55.446	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	307208	138.440	ug/l #	13
83) tert-Butylbenzene	13.202	119	364	2.004	ug/l #	19
95) Naphthalene	15.385	128	475	3.380	ug/l #	69

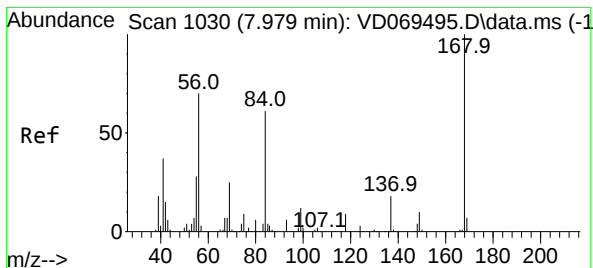
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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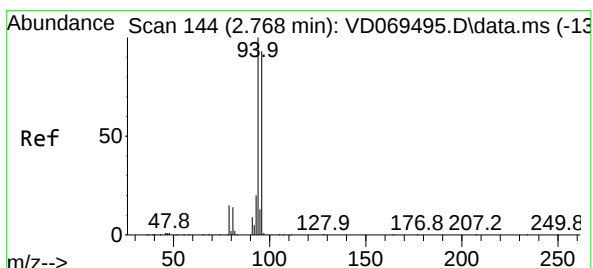
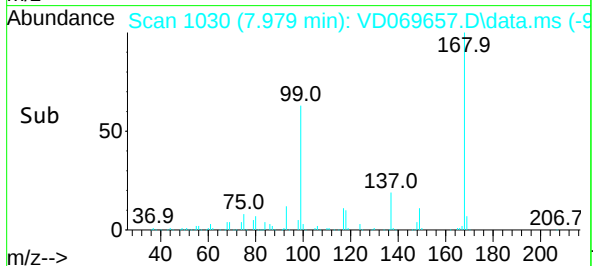
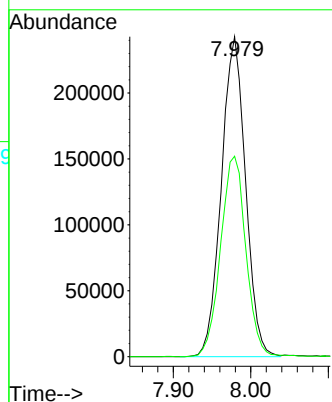
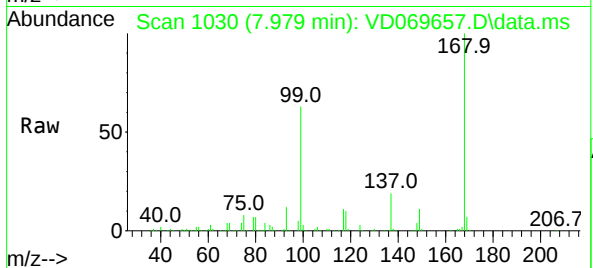




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069657.D
Acq: 09 Jul 2021 20:20

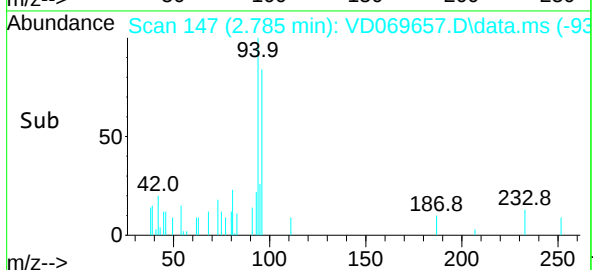
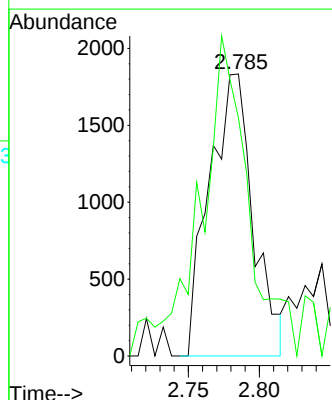
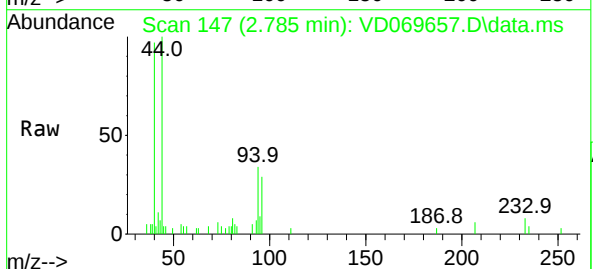
Instrument :
MSVOA_D
ClientSampleId :
GRAB-3

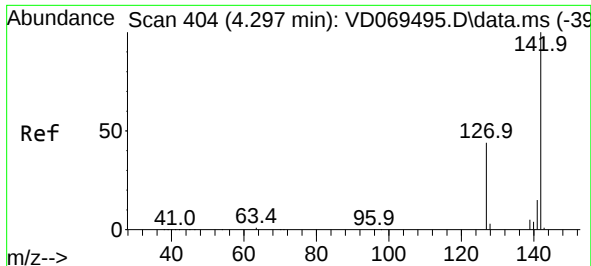
Tgt Ion:168 Resp: 527098
Ion Ratio Lower Upper
168 100
99 62.6 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD069657.D
Acq: 09 Jul 2021 20:20

Tgt Ion: 94 Resp: 3936
Ion Ratio Lower Upper
94 100
96 64.3 74.6 111.8#

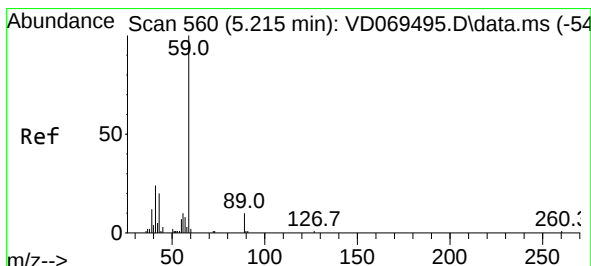
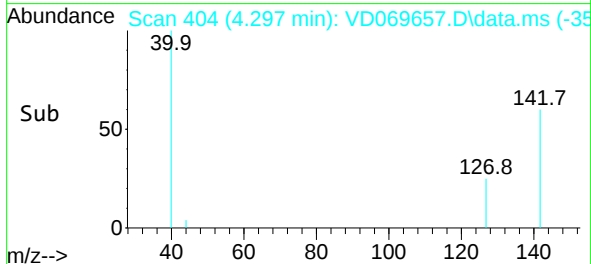
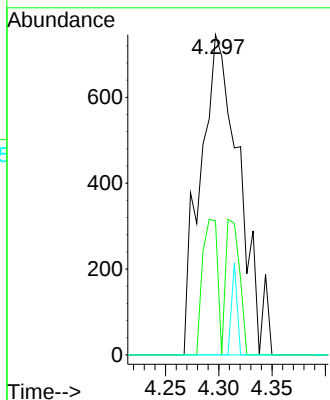
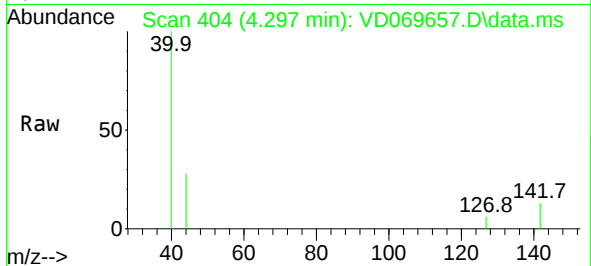




#10
Methyl Iodide
Concen: 4.256 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.000 min
Lab File: VD069657.D
Acq: 09 Jul 2021 20:20

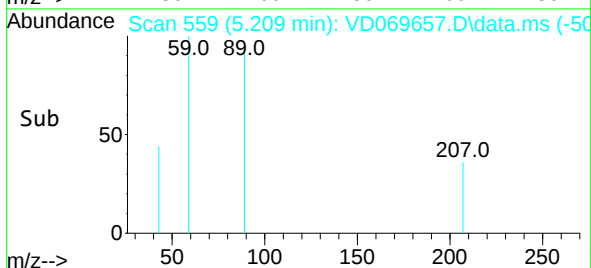
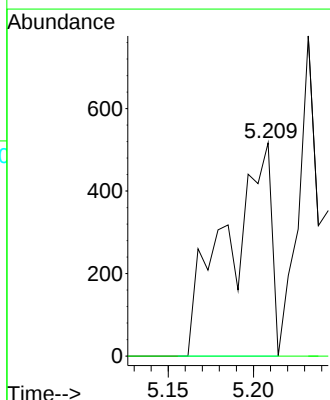
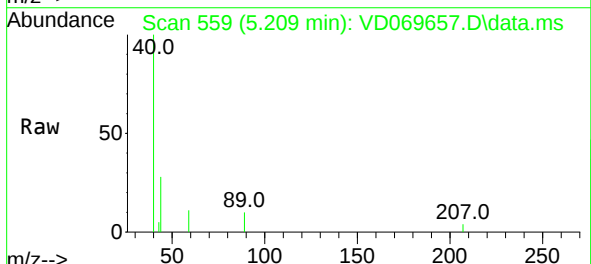
Instrument :
MSVOA_D
ClientSampleId :
GRAB-3

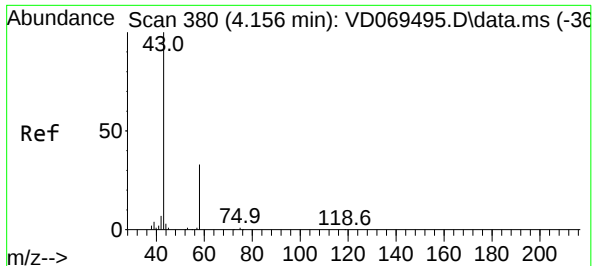
Tgt Ion:142 Resp: 1892
Ion Ratio Lower Upper
142 100
127 16.2 36.5 54.7#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.209 min Scan# 559
Delta R.T. -0.006 min
Lab File: VD069657.D
Acq: 09 Jul 2021 20:20

Tgt Ion: 59 Resp: 927
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

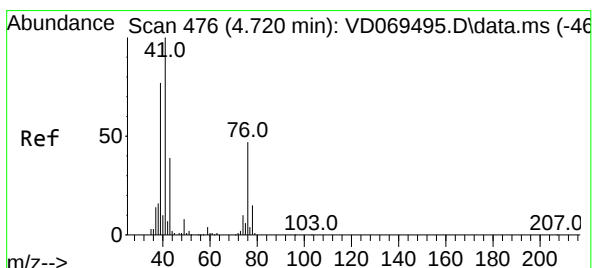
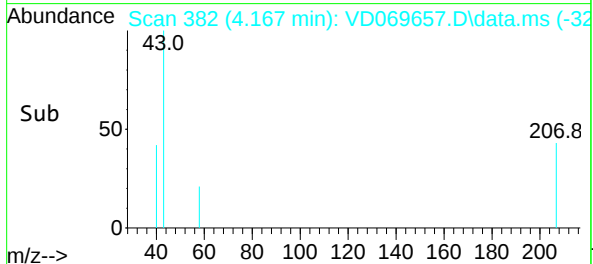
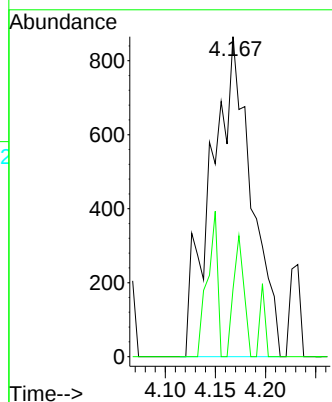
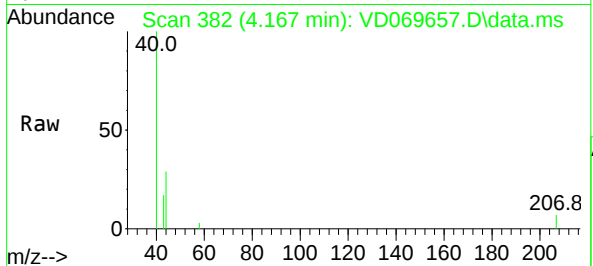




#16
Acetone
Concen: 2.182 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD069657.D
Acq: 09 Jul 2021 20:20

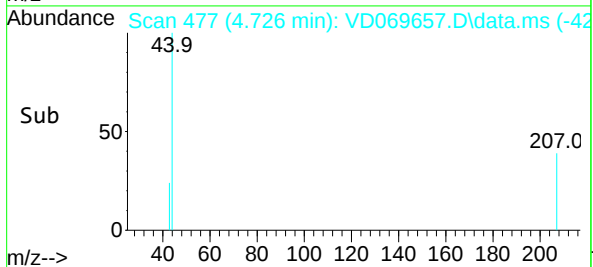
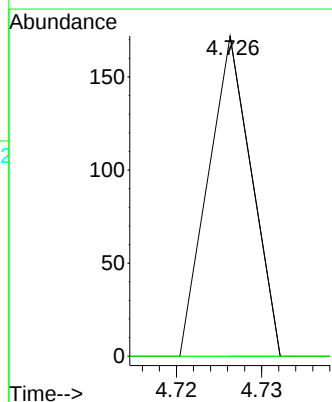
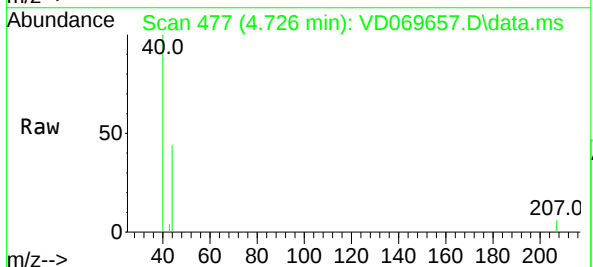
Instrument :
MSVOA_D
ClientSampleId :
GRAB-3

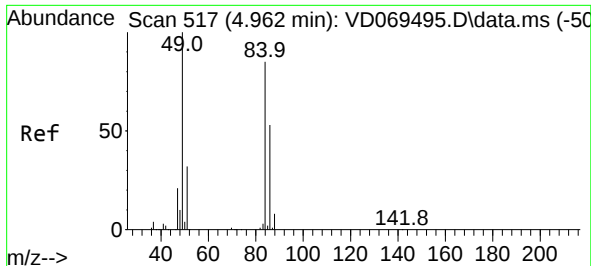
Tgt Ion: 43 Resp: 2413
Ion Ratio Lower Upper
43 100
58 21.0 26.8 40.2#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.726 min Scan# 477
Delta R.T. 0.006 min
Lab File: VD069657.D
Acq: 09 Jul 2021 20:20

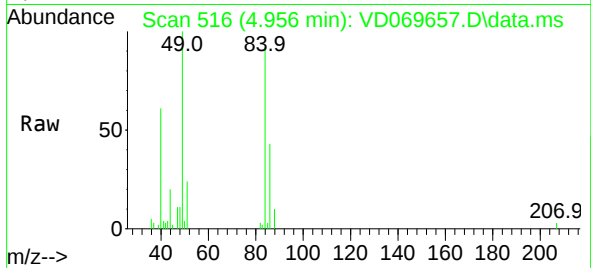
Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#



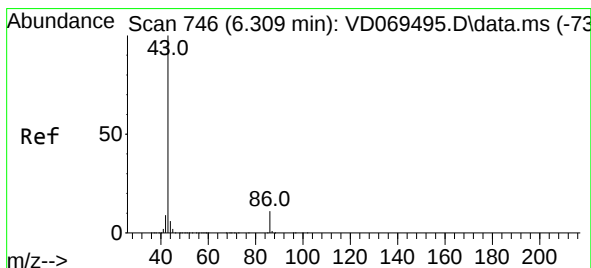
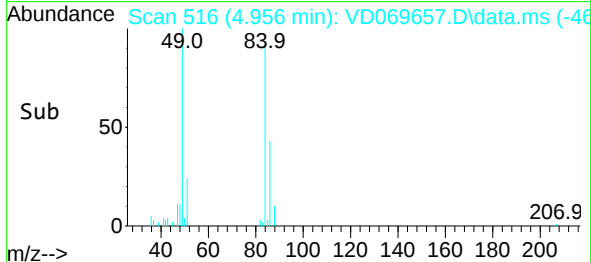
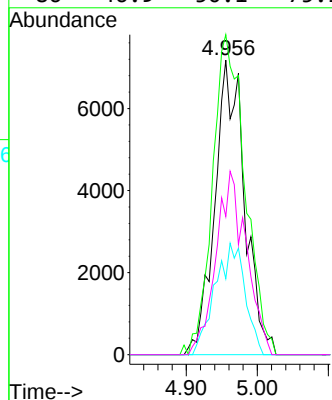


#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD069657.D
Acq: 09 Jul 2021 20:20

Instrument :
MSVOA_D
ClientSampleId :
GRAB-3

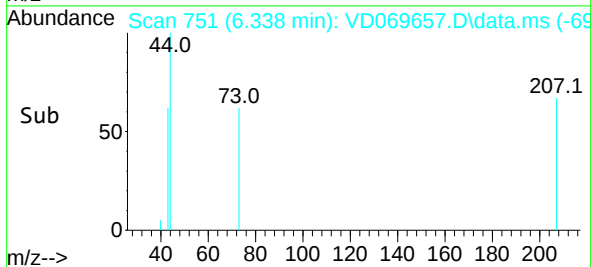
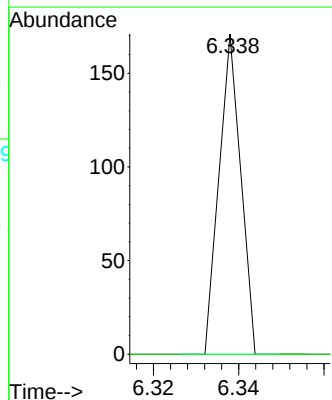
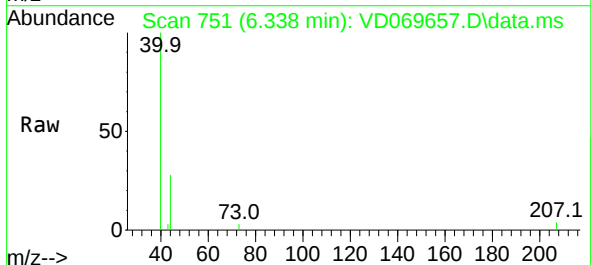


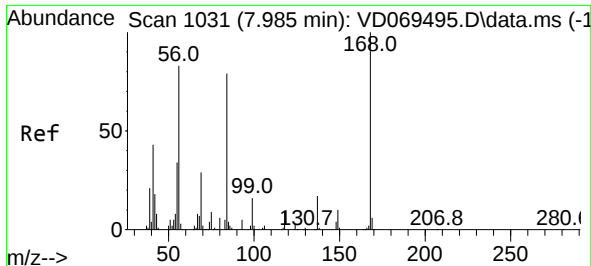
Tgt Ion:	84	Resp:	20875
Ion	Ratio	Lower	Upper
84	100		
49	108.6	94.0	141.0
51	25.8	29.7	44.5#
86	46.9	50.1	75.1#



#23
Vinyl Acetate
Concen: 19.017 ug/l
RT: 6.338 min Scan# 751
Delta R.T. 0.029 min
Lab File: VD069657.D
Acq: 09 Jul 2021 20:20

Tgt Ion:	43	Resp:	60
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.1	13.7#

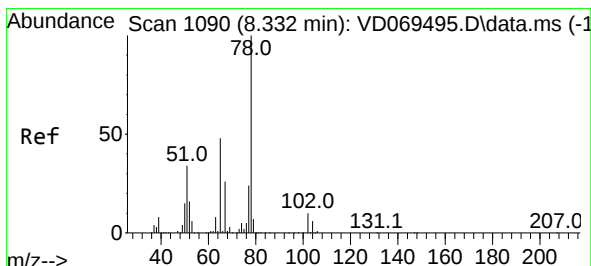
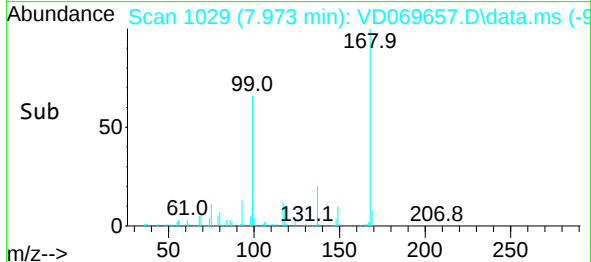
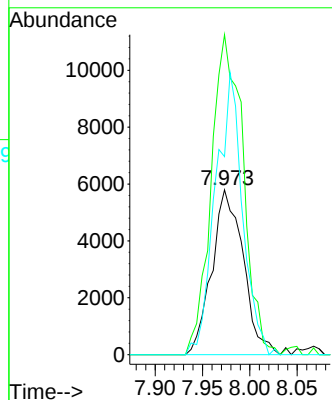
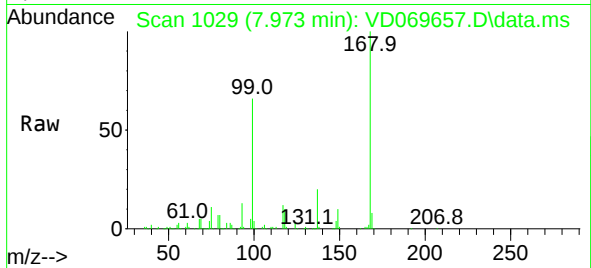




#31
Cyclohexane
Concen: 1.512 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069657.D
Acq: 09 Jul 2021 20:20

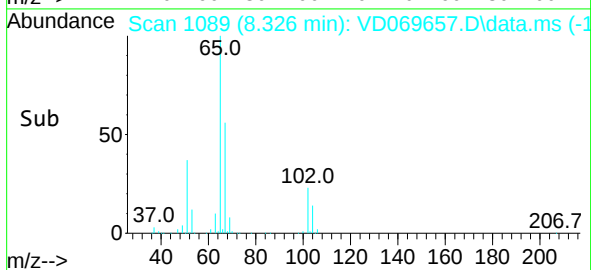
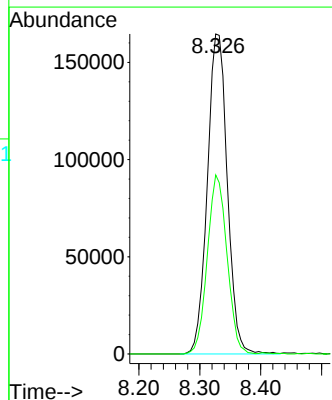
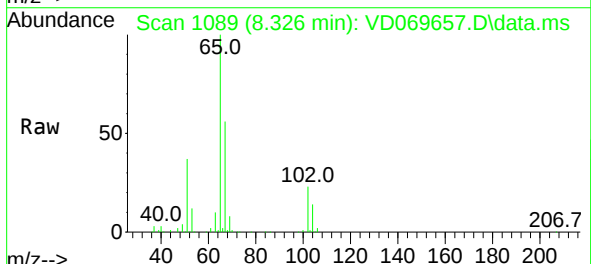
Instrument :
MSVOA_D
ClientSampleId :
GRAB-3

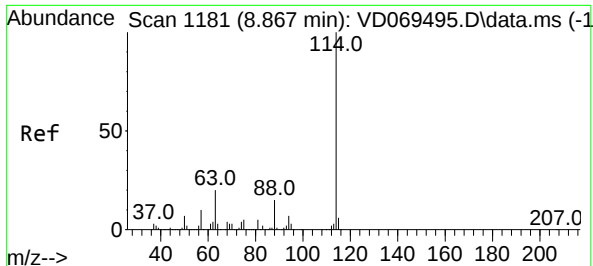
Tgt Ion: 56 Resp: 13379
Ion Ratio Lower Upper
56 100
69 194.2 28.0 42.0#
84 120.2 75.7 113.5#



#33
1,2-Dichloroethane-d4
Concen: 57.111 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD069657.D
Acq: 09 Jul 2021 20:20

Tgt Ion: 65 Resp: 375230
Ion Ratio Lower Upper
65 100
67 55.0 0.0 105.6



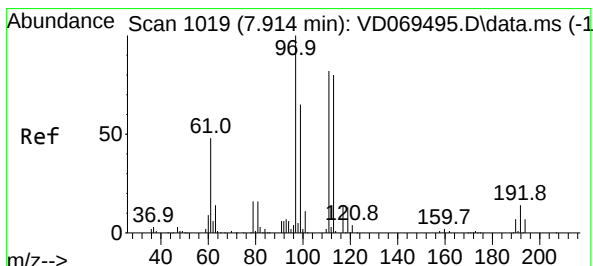
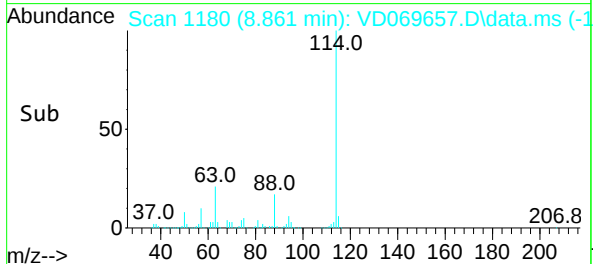
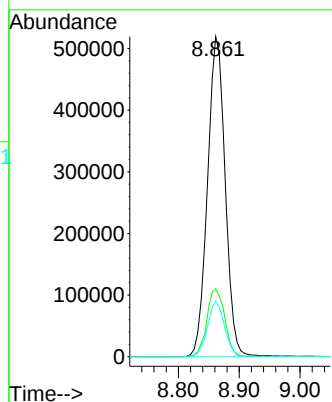
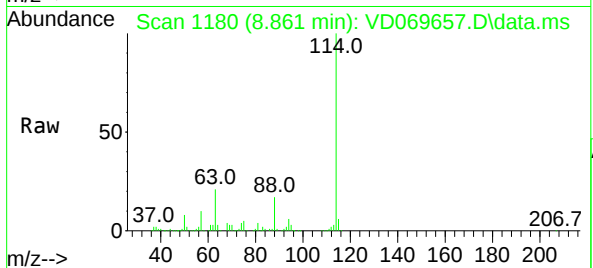


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069657.D
Acq: 09 Jul 2021 20:20

Instrument :
MSVOA_D
ClientSampleId :
GRAB-3

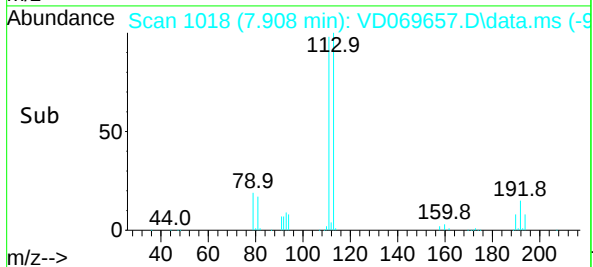
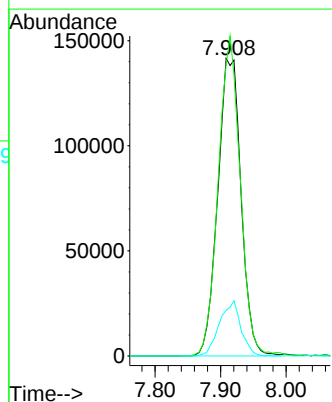
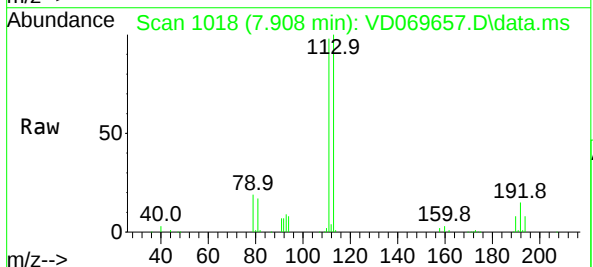
Tgt Ion:114 Resp: 1049637
Ion Ratio Lower Upper
114 100
63 21.2 0.0 39.6
88 17.3 0.0 29.8

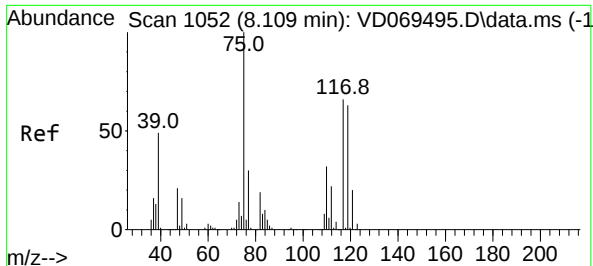


#35

Dibromofluoromethane
Concen: 49.298 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD069657.D
Acq: 09 Jul 2021 20:20

Tgt Ion:113 Resp: 349789
Ion Ratio Lower Upper
113 100
111 101.6 81.8 122.8
192 17.0 13.8 20.6



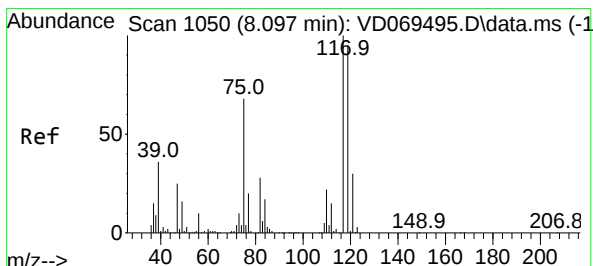
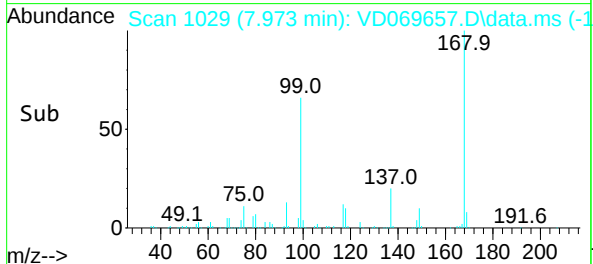
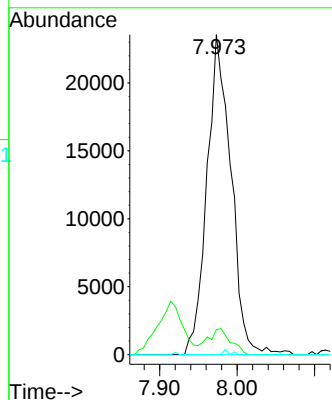
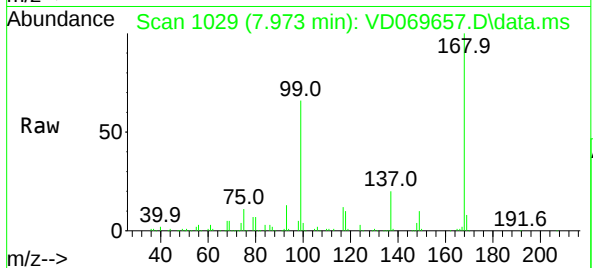


#36

1,1-Dichloropropene
Concen: 4.925 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD069657.D
Acq: 09 Jul 2021 20:20

Instrument :
MSVOA_D
ClientSampled :
GRAB-3

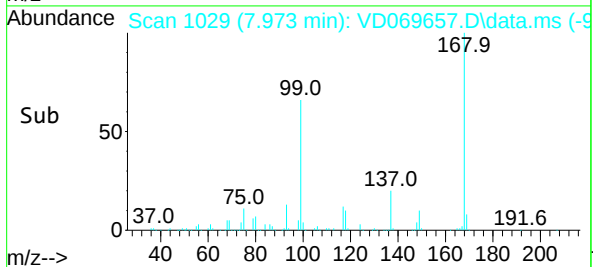
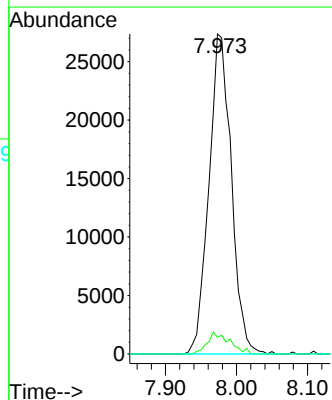
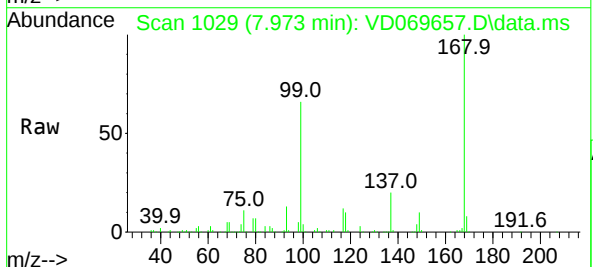
Tgt Ion: 75 Resp: 50739
Ion Ratio Lower Upper
75 100
110 7.7 16.8 50.4#
77 0.4 24.3 36.5#

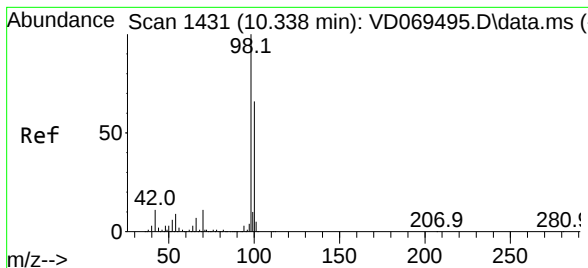


#38

Carbon Tetrachloride
Concen: 5.887 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069657.D
Acq: 09 Jul 2021 20:20

Tgt Ion: 117 Resp: 60024
Ion Ratio Lower Upper
117 100
119 5.2 75.6 113.4#
121 0.0 23.8 35.8#

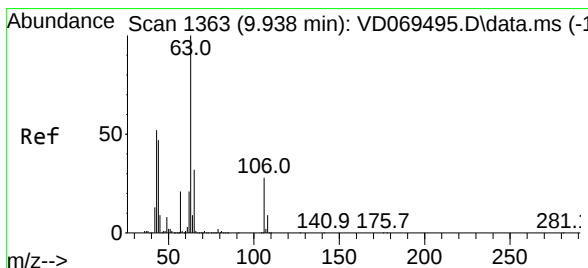
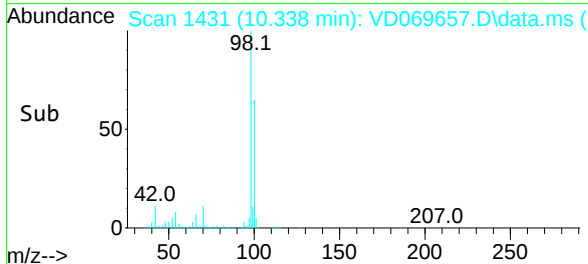
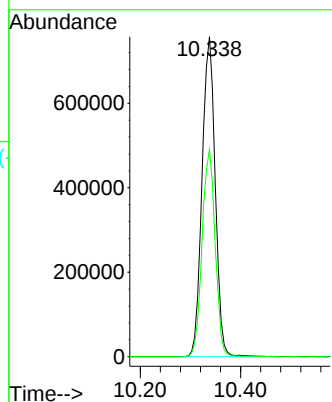
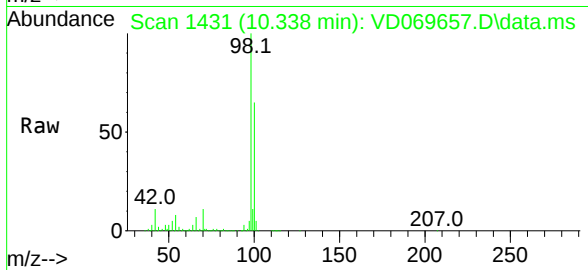




#50
Toluene-d8
Concen: 51.859 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069657.D
Acq: 09 Jul 2021 20:20

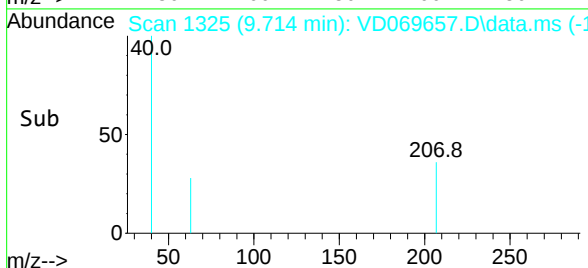
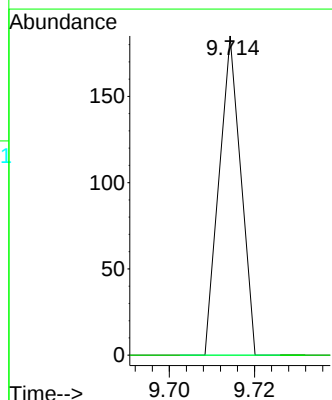
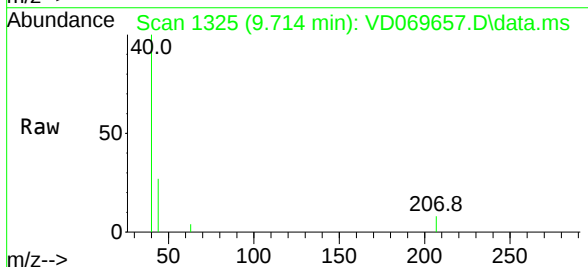
Instrument :
MSVOA_D
ClientSampleId :
GRAB-3

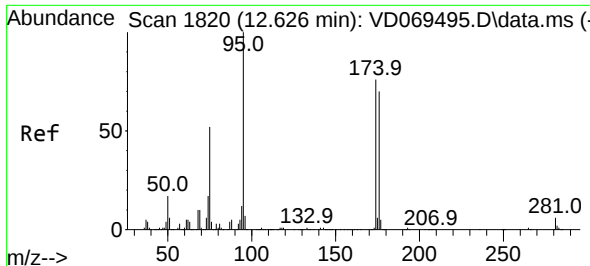
Tgt Ion: 98 Resp: 1380178
Ion Ratio Lower Upper
98 100
100 64.5 52.3 78.5



#58
2-Chloroethyl Vinyl ether
Concen: 10.618 ug/l
RT: 9.714 min Scan# 1325
Delta R.T. -0.224 min
Lab File: VD069657.D
Acq: 09 Jul 2021 20:20

Tgt Ion: 63 Resp: 65
Ion Ratio Lower Upper
63 100
106 0.0 22.2 33.2#

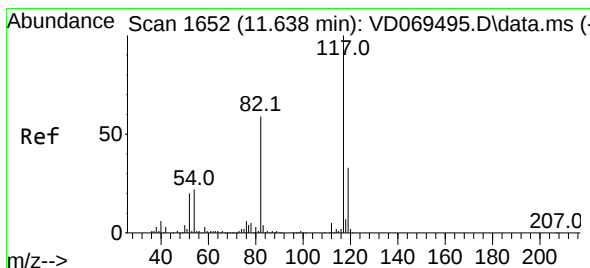
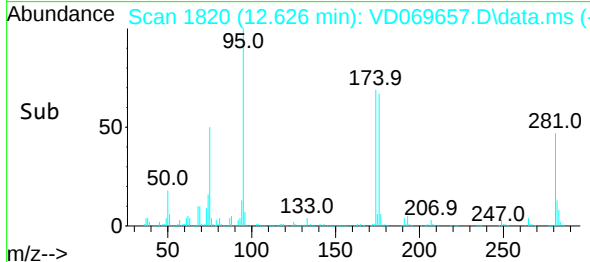
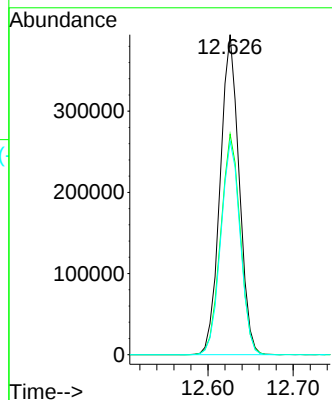
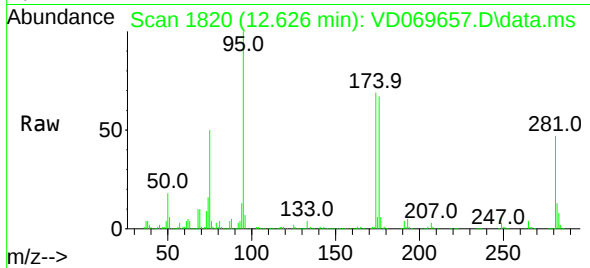




#62
4-Bromofluorobenzene
Concen: 69.908 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069657.D
Acq: 09 Jul 2021 20:20

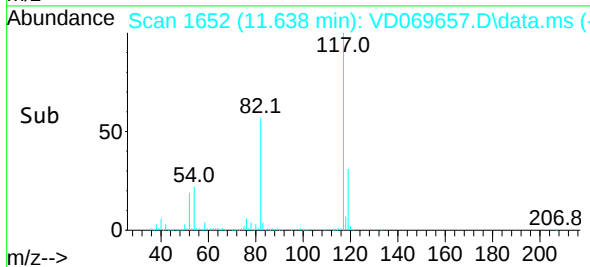
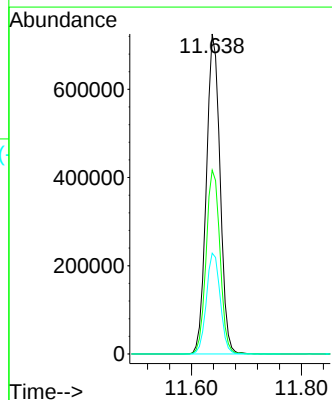
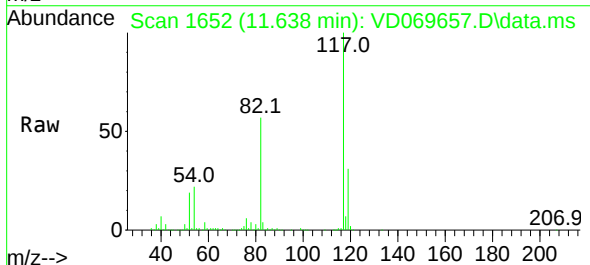
Instrument :
MSVOA_D
ClientSampleId :
GRAB-3

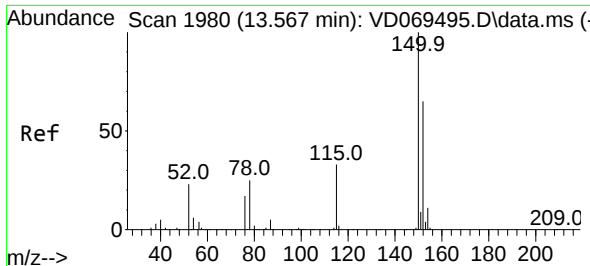
Tgt Ion: 95 Resp: 611661
Ion Ratio Lower Upper
95 100
174 70.8 0.0 148.0
176 68.1 0.0 139.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069657.D
Acq: 09 Jul 2021 20:20

Tgt Ion: 117 Resp: 1252986
Ion Ratio Lower Upper
117 100
82 57.4 46.8 70.2
119 31.5 26.2 39.2

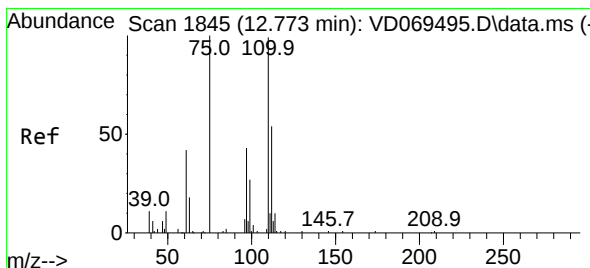
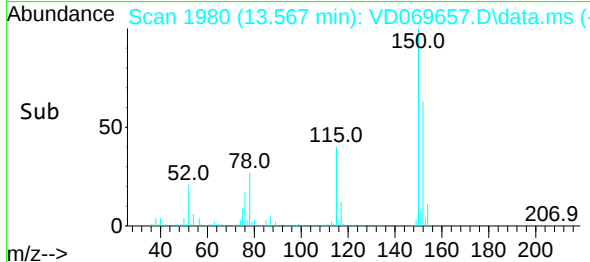
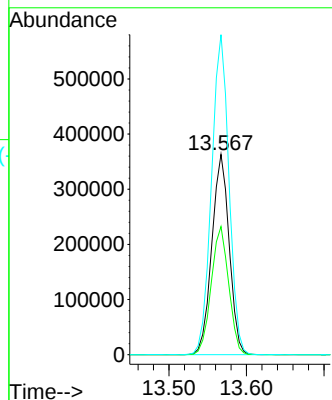
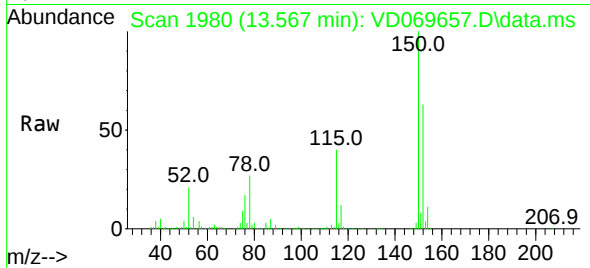




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD069657.D
 Acq: 09 Jul 2021 20:20

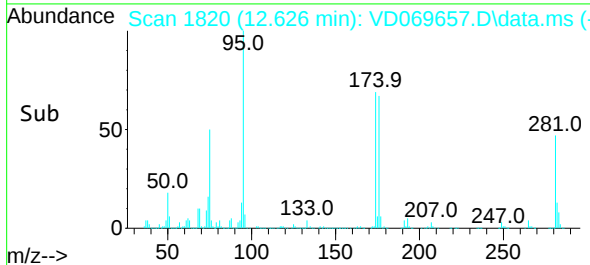
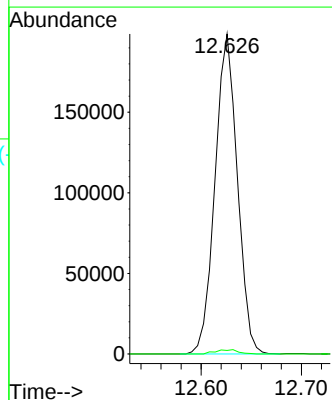
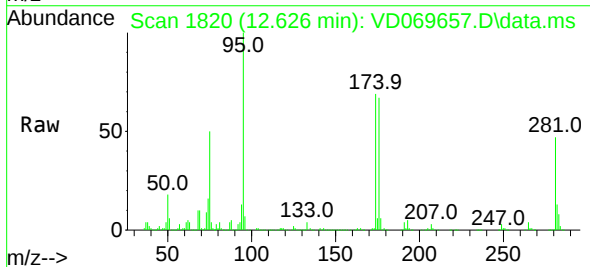
Instrument :
 MSVOA_D
 ClientSampleId :
 GRAB-3

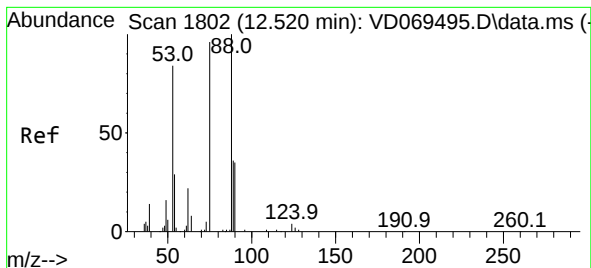
Tgt Ion:152 Resp: 564440
 Ion Ratio Lower Upper
 152 100
 115 64.3 31.7 95.1
 150 160.1 0.0 350.8



#76
 1,2,3-Trichloropropane
 Concen: 55.446 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069657.D
 Acq: 09 Jul 2021 20:20

Tgt Ion: 75 Resp: 307208
 Ion Ratio Lower Upper
 75 100
 77 1.4 162.6 487.8#

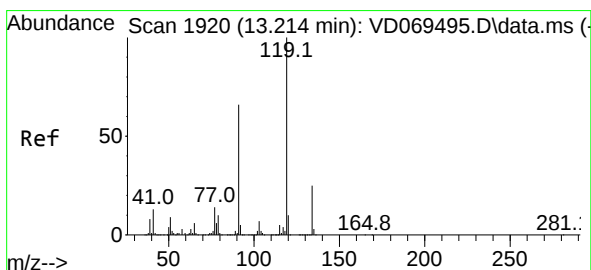
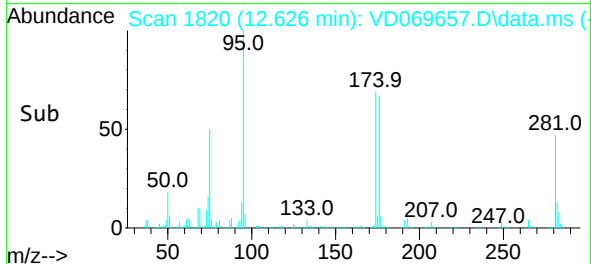
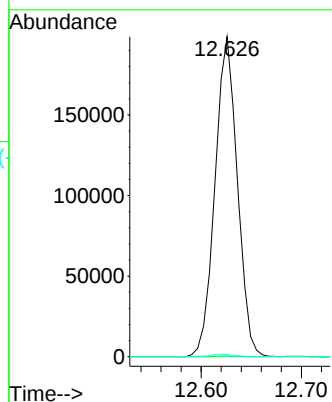
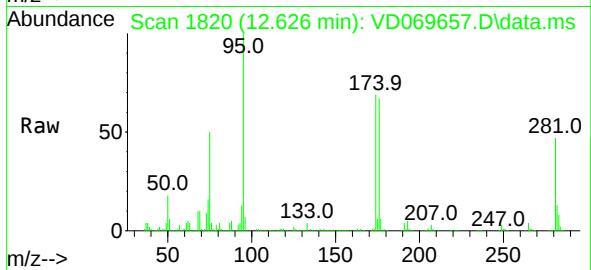




#81
 trans-1,4-Dichloro-2-butene
 Concen: 138.440 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD069657.D
 Acq: 09 Jul 2021 20:20

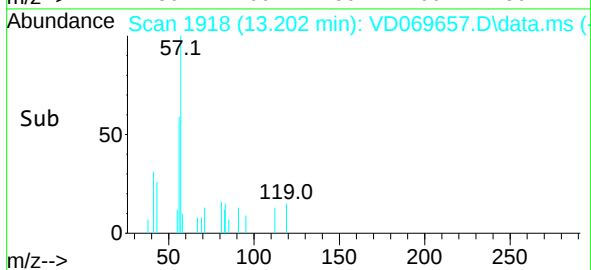
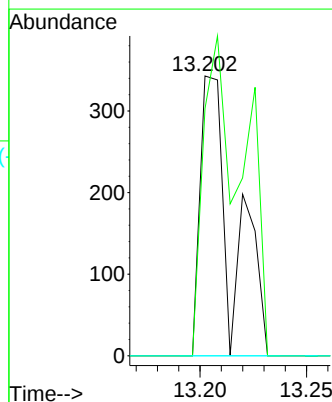
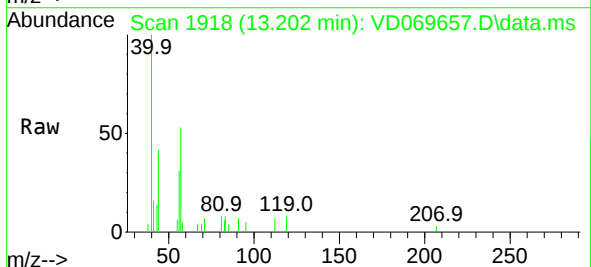
Instrument :
 MSVOA_D
 ClientSampleId :
 GRAB-3

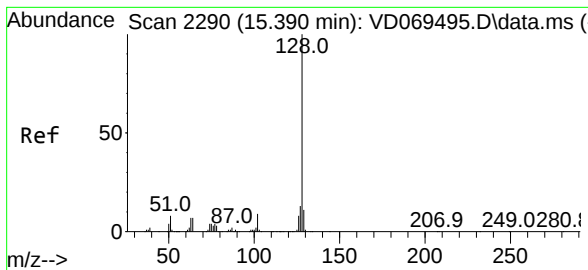
Tgt Ion: 75 Resp: 307208
 Ion Ratio Lower Upper
 75 100
 53 0.2 74.6 112.0#
 89 0.8 35.3 52.9#



#83
 tert-Butylbenzene
 Concen: 2.004 ug/l
 RT: 13.202 min Scan# 1918
 Delta R.T. -0.012 min
 Lab File: VD069657.D
 Acq: 09 Jul 2021 20:20

Tgt Ion: 119 Resp: 364
 Ion Ratio Lower Upper
 119 100
 91 138.5 32.5 97.4#
 134 0.0 12.9 38.7#





#95
Naphthalene
Concen: 3.380 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.005 min
Lab File: VD069657.D
Acq: 09 Jul 2021 20:20

Instrument :
MSVOA_D
ClientSampleId :
GRAB-3

Tgt Ion:128 Resp: 475
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.7 13.1#

