

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062321\
 Data File : VD069540.D
 Acq On : 23 Jun 2021 12:57
 Operator : VA/SY
 Sample : M2811-01
 Misc : 6.21G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jun 24 06:07:44 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)

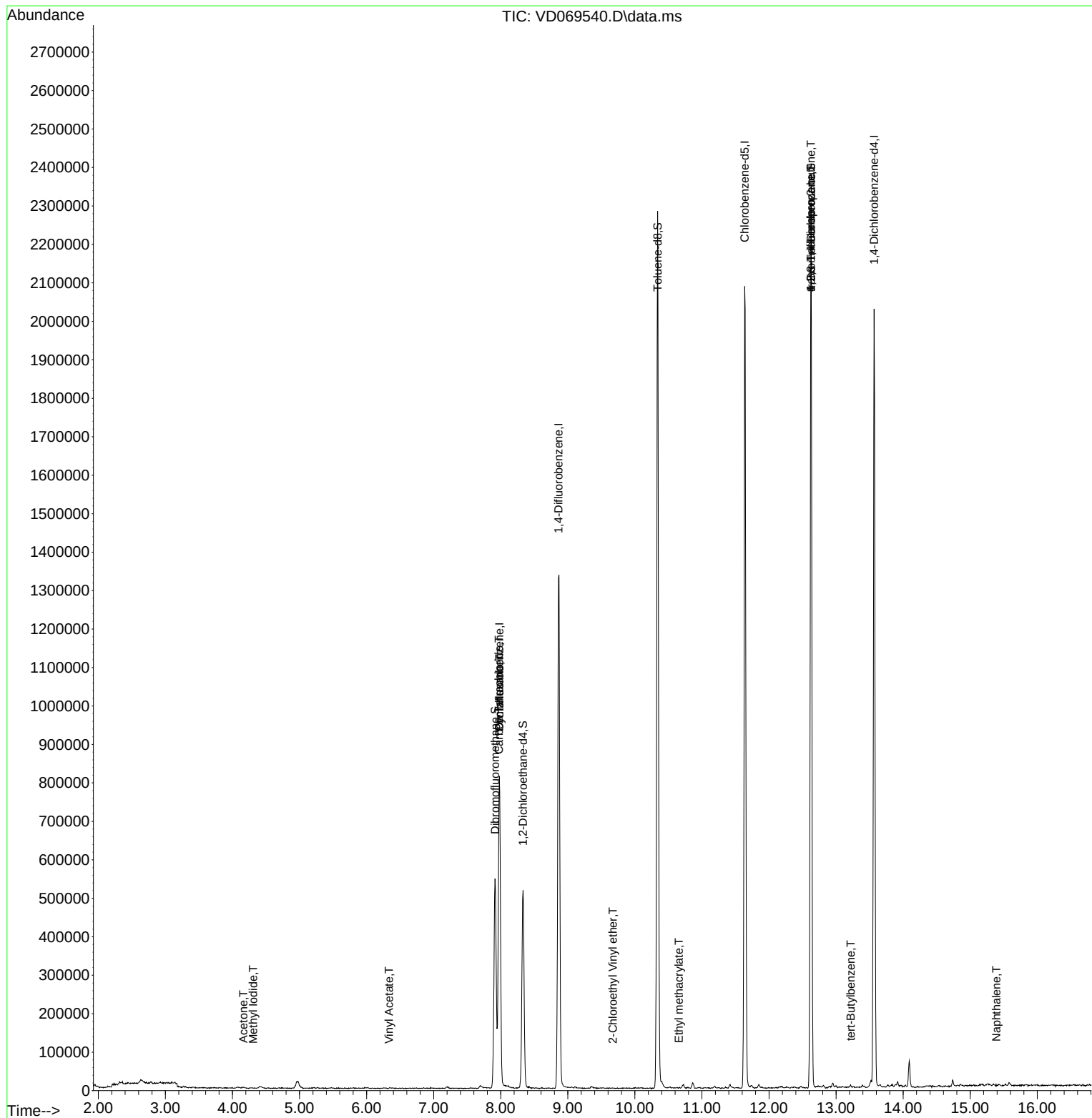
Internal Standards						
1) Pentafluorobenzene	7.979	168	567181	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1151370	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1181644	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	510867	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	422357	59.741	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 119.480%			
35) Dibromofluoromethane	7.914	113	399842	51.373	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.740%			
50) Toluene-d8	10.338	98	1516172	51.935	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 103.860%			
62) 4-Bromofluorobenzene	12.626	95	560821	58.434	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 116.860%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.779	94	2165	Below Cal	#	79
10) Methyl Iodide	4.309	142	653	4.042	ug/l #	68
11) Tert butyl alcohol	5.203	59	979	Below Cal	#	83
16) Acetone	4.162	43	4283	3.599	ug/l	91
18) Methyl Acetate	4.756	43	146	Below Cal	#	49
20) Methylene Chloride	4.979	84	14377	Below Cal		91
23) Vinyl Acetate	6.332	43	367	19.044	ug/l #	70
31) Cyclohexane	7.979	56	15701	1.649	ug/l #	24
38) Carbon Tetrachloride	7.973	117	63647	5.691	ug/l #	16
56) Ethyl methacrylate	10.655	69	153	2.601	ug/l #	42
58) 2-Chloroethyl Vinyl ether	9.673	63	83	10.621	ug/l #	47
76) 1,2,3-Trichloropropane	12.626	75	296438	59.112	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	296438	147.596	ug/l #	13
83) tert-Butylbenzene	13.220	119	2565	2.085	ug/l	92
95) Naphthalene	15.391	128	1442	3.439	ug/l #	69

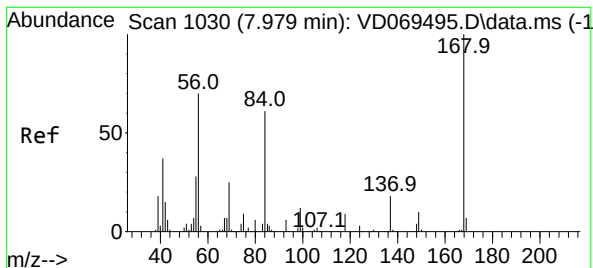
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062121S.M
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Response via : Initial Calibration

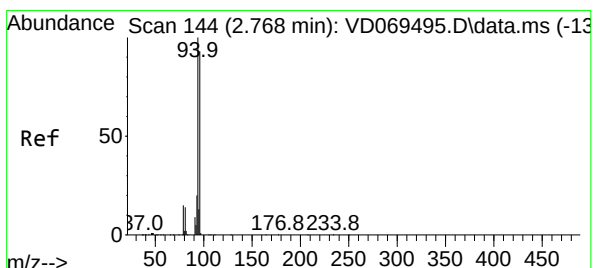
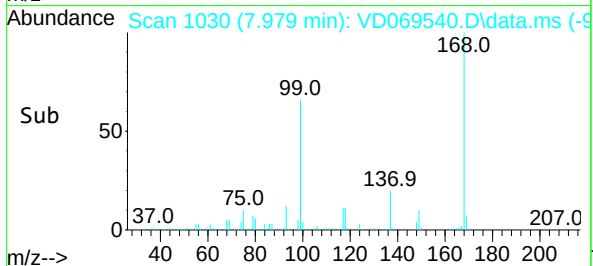
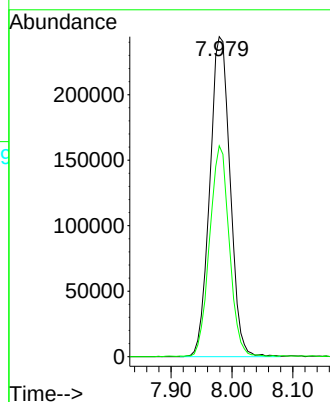
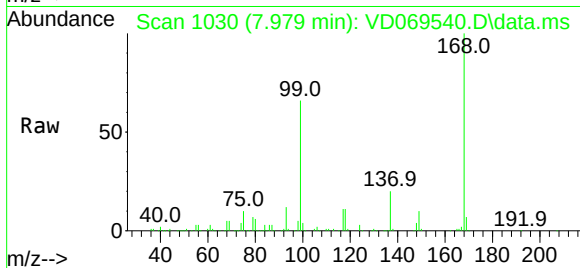




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069540.D
Acq: 23 Jun 2021 12:57

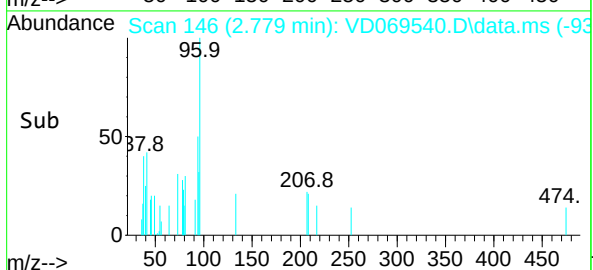
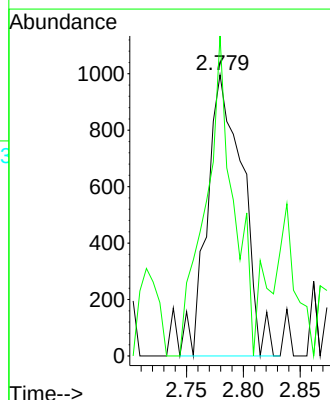
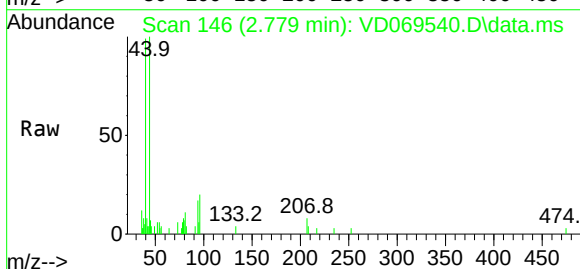
Instrument :
MSVOA_D
ClientSampled :

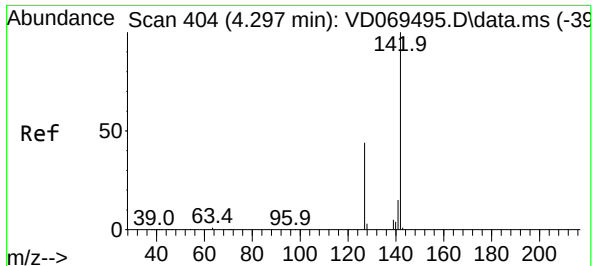
Tgt Ion:168 Resp: 567181
Ion Ratio Lower Upper
168 100
99 65.7 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD069540.D
Acq: 23 Jun 2021 12:57

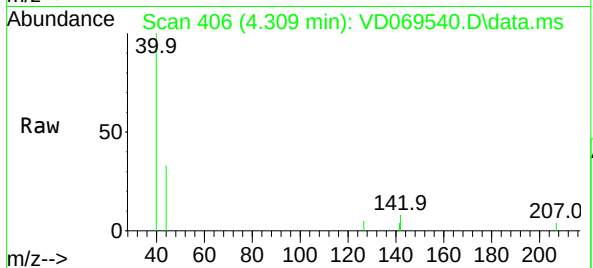
Tgt Ion: 94 Resp: 2165
Ion Ratio Lower Upper
94 100
96 113.9 74.6 111.8#



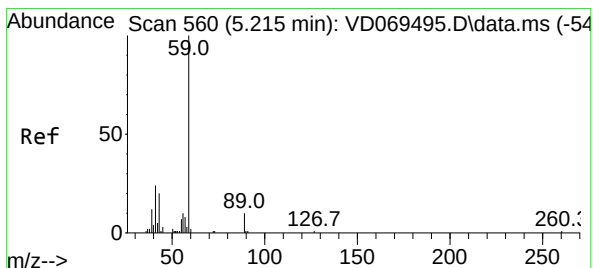
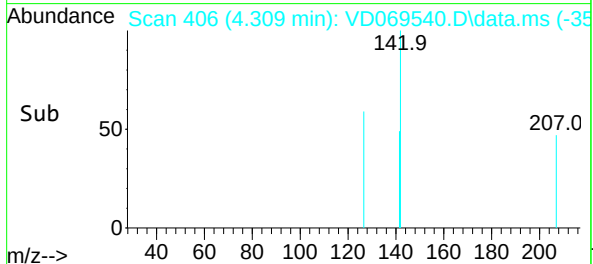
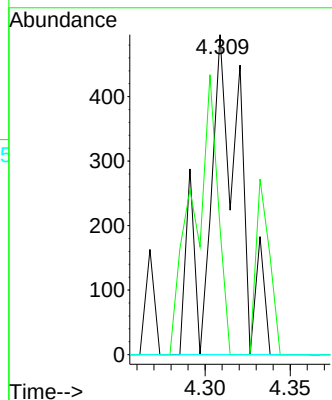


#10
Methyl Iodide
Concen: 4.042 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD069540.D
Acq: 23 Jun 2021 12:57

Instrument :
MSVOA_D
ClientSampleId :

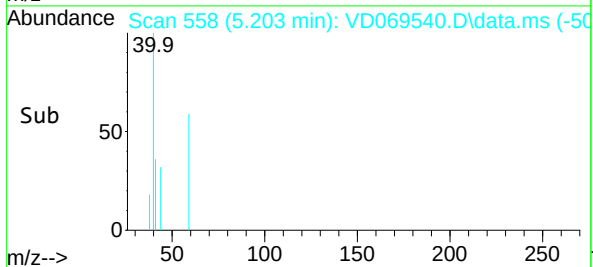
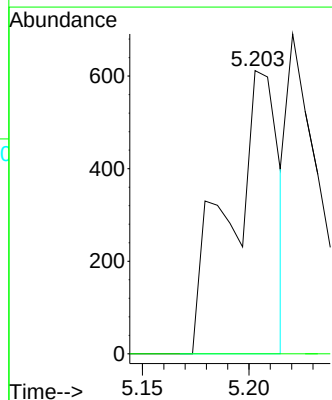
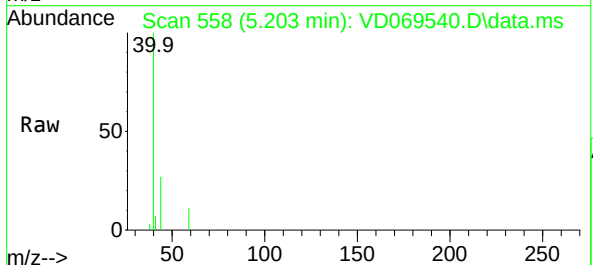


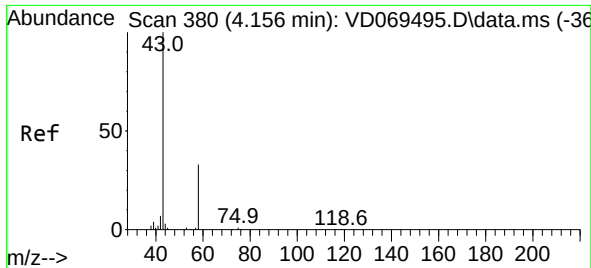
Tgt Ion:142 Resp: 653
Ion Ratio Lower Upper
142 100
127 65.8 36.5 54.7#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.203 min Scan# 558
Delta R.T. -0.012 min
Lab File: VD069540.D
Acq: 23 Jun 2021 12:57

Tgt Ion: 59 Resp: 979
Ion Ratio Lower Upper
59 100
57 0.0 4.6 7.0#

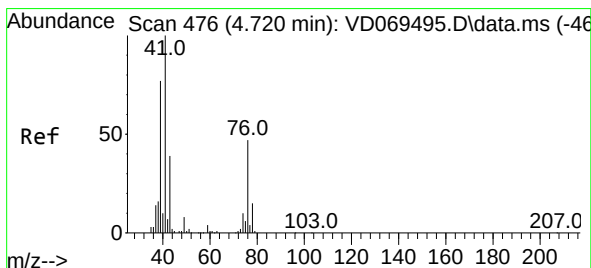
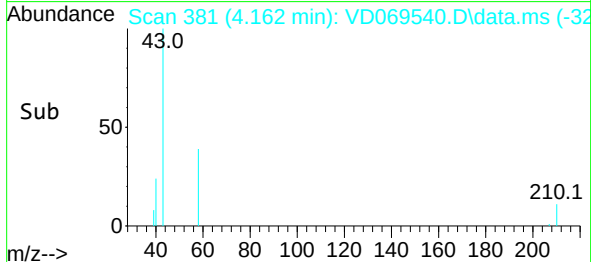
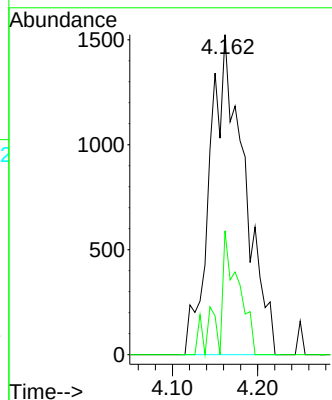
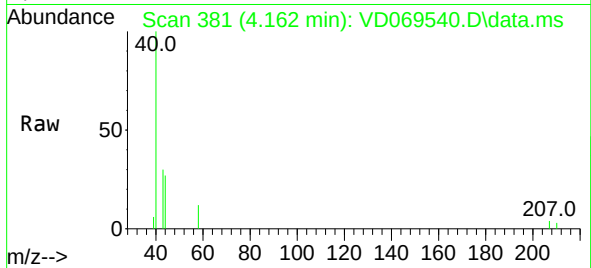




#16
Acetone
Concen: 3.599 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD069540.D
Acq: 23 Jun 2021 12:57

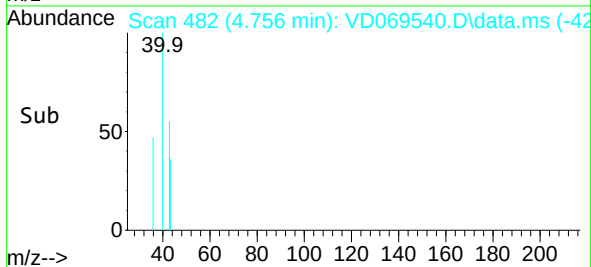
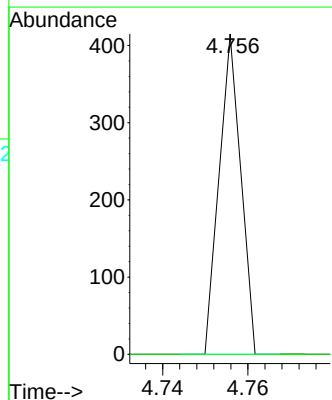
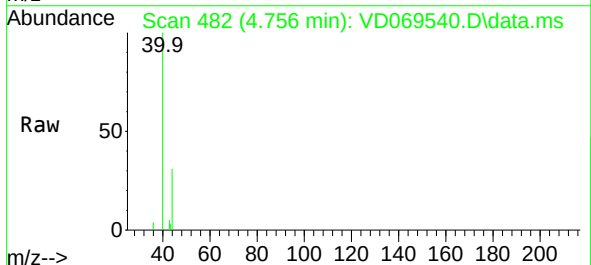
Instrument :
MSVOA_D
ClientSampled :

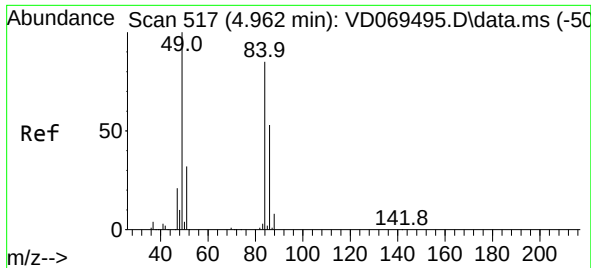
Tgt Ion: 43 Resp: 4283
Ion Ratio Lower Upper
43 100
58 38.7 26.8 40.2



#18
Methyl Acetate
Concen: Below Cal
RT: 4.756 min Scan# 482
Delta R.T. 0.036 min
Lab File: VD069540.D
Acq: 23 Jun 2021 12:57

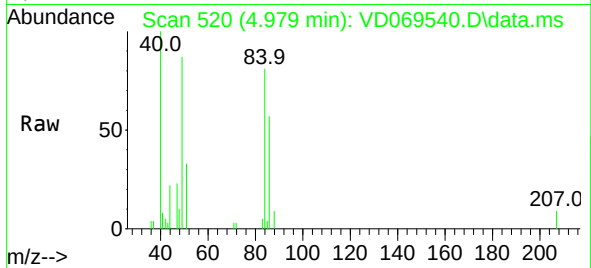
Tgt Ion: 43 Resp: 146
Ion Ratio Lower Upper
43 100
74 0.0 21.0 31.4#





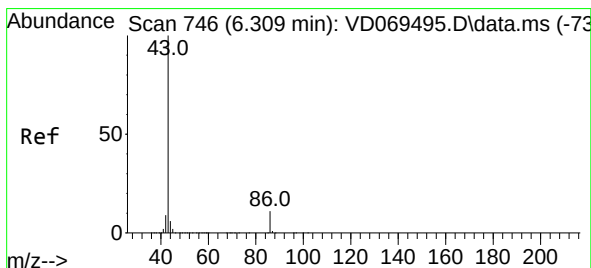
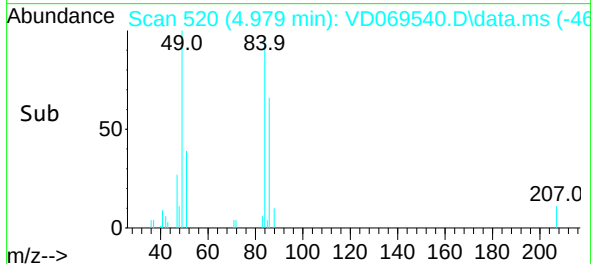
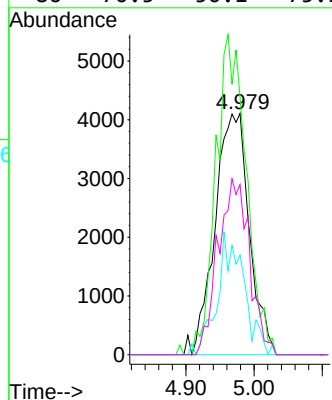
#20
Methylene Chloride
Concen: Below Cal
RT: 4.979 min Scan# 520
Delta R.T. 0.017 min
Lab File: VD069540.D
Acq: 23 Jun 2021 12:57

Instrument :
MSVOA_D
ClientSampled :



Tgt Ion: 84 Resp: 14377

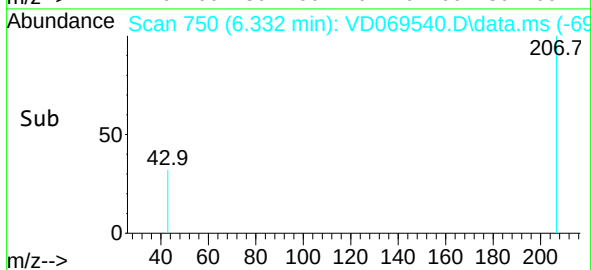
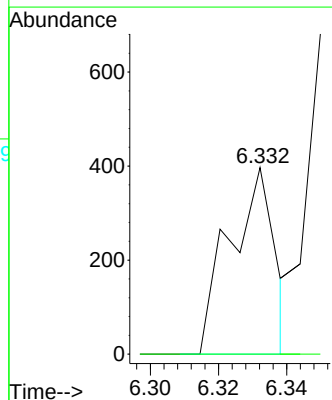
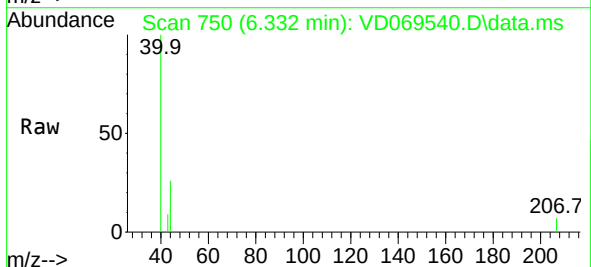
Ion	Ratio	Lower	Upper
84	100		
49	106.8	94.0	141.0
51	41.2	29.7	44.5
86	70.5	50.1	75.1

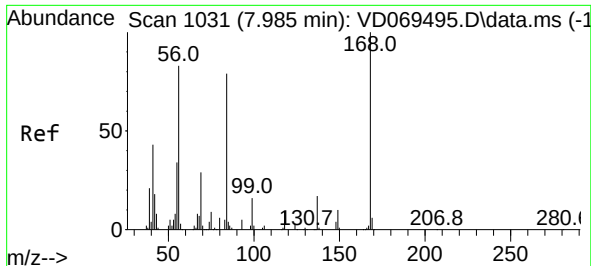


#23
Vinyl Acetate
Concen: 19.044 ug/l
RT: 6.332 min Scan# 750
Delta R.T. 0.023 min
Lab File: VD069540.D
Acq: 23 Jun 2021 12:57

Tgt Ion: 43 Resp: 367

Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.1	13.7#

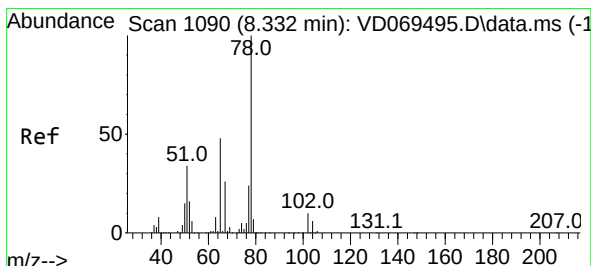
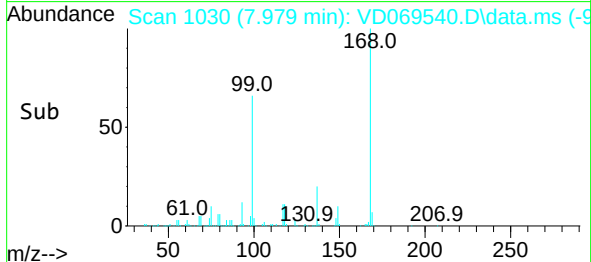
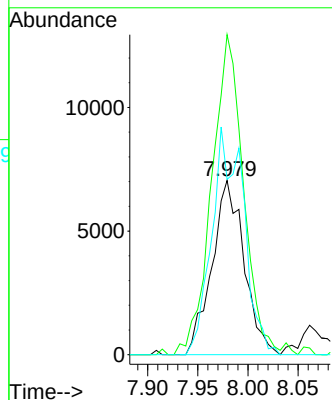
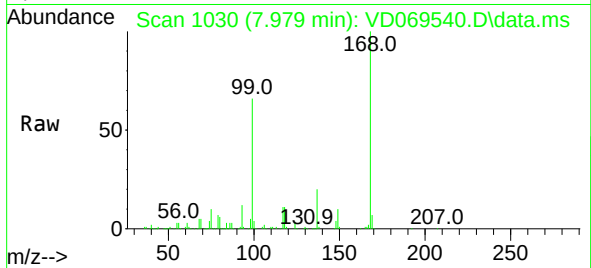




#31
Cyclohexane
Concen: 1.649 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069540.D
Acq: 23 Jun 2021 12:57

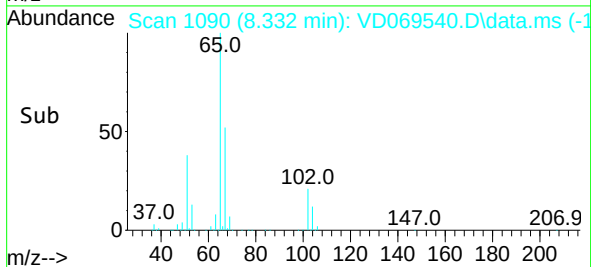
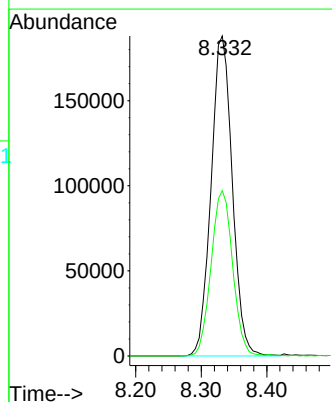
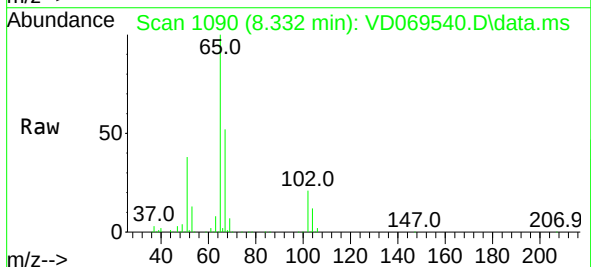
Instrument :
MSVOA_D
ClientSampleId :

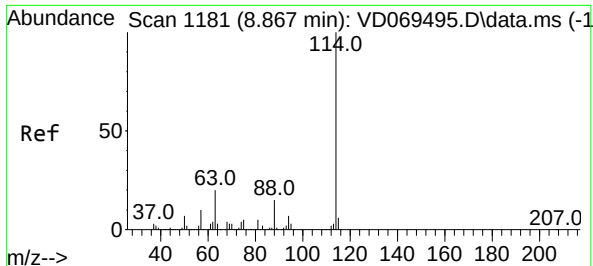
Tgt Ion: 56 Resp: 15701
Ion Ratio Lower Upper
56 100
69 181.2 28.0 42.0#
84 105.7 75.7 113.5



#33
1,2-Dichloroethane-d4
Concen: 59.741 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069540.D
Acq: 23 Jun 2021 12:57

Tgt Ion: 65 Resp: 422357
Ion Ratio Lower Upper
65 100
67 52.4 0.0 105.6



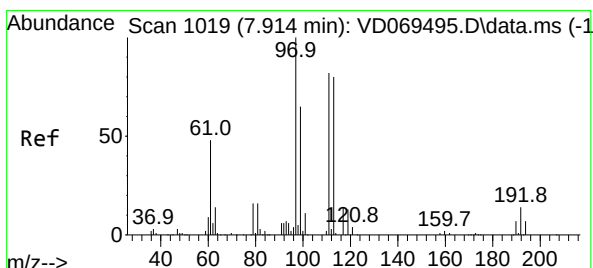
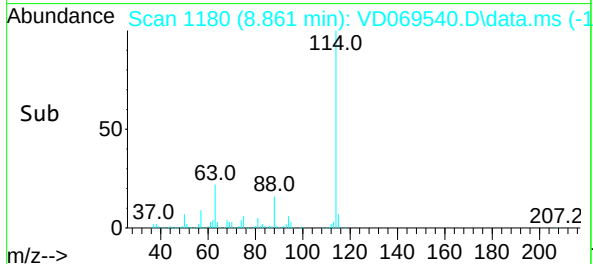
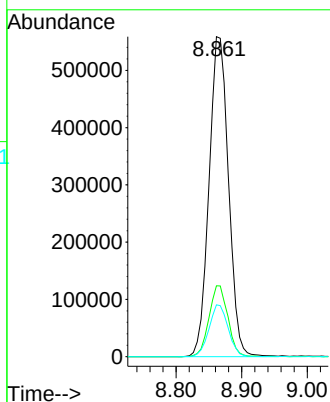
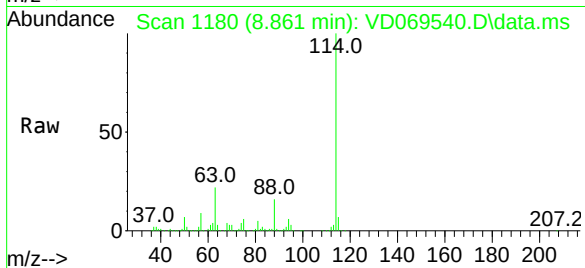


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069540.D
Acq: 23 Jun 2021 12:57

Instrument :
MSVOA_D
ClientSampled :

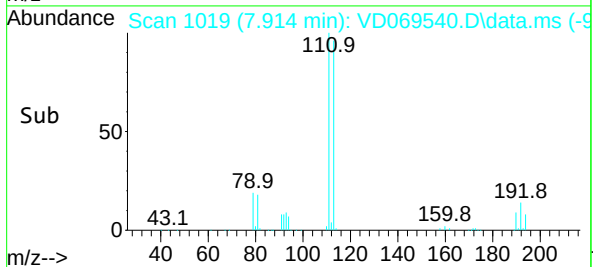
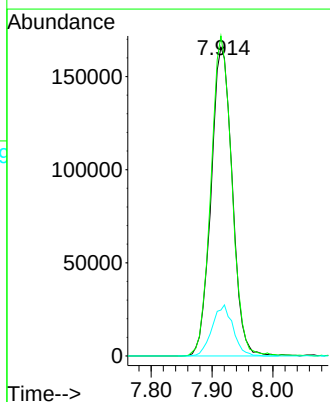
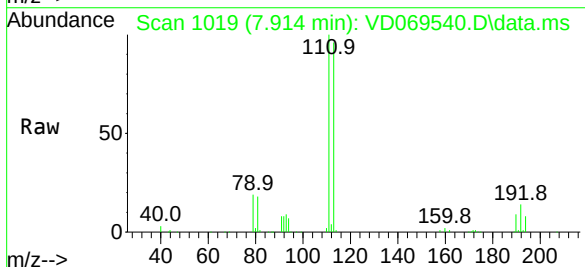
Tgt Ion:114 Resp: 1151370
Ion Ratio Lower Upper
114 100
63 22.2 0.0 39.6
88 16.2 0.0 29.8

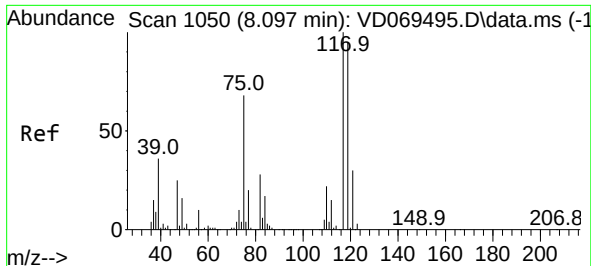


#35

Dibromofluoromethane
Concen: 51.373 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069540.D
Acq: 23 Jun 2021 12:57

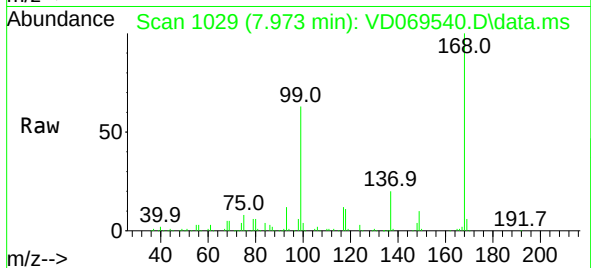
Tgt Ion:113 Resp: 399842
Ion Ratio Lower Upper
113 100
111 102.7 81.8 122.8
192 16.3 13.8 20.6



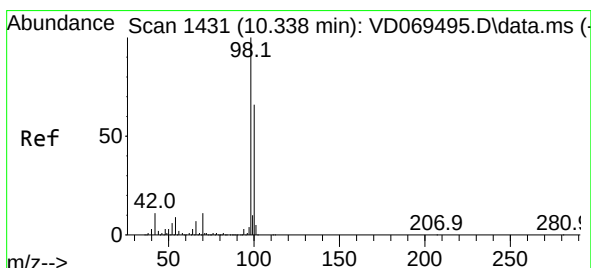
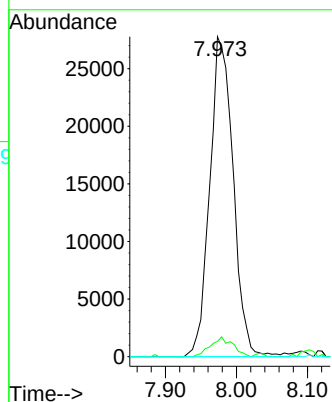
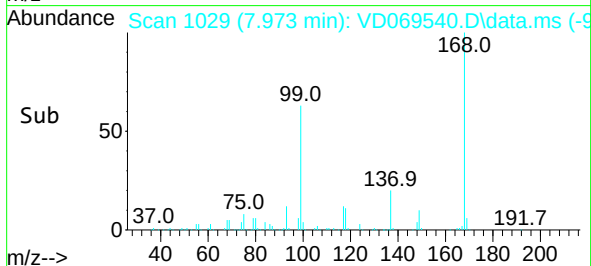


#38
Carbon Tetrachloride
Concen: 5.691 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.123 min
Lab File: VD069540.D
Acq: 23 Jun 2021 12:57

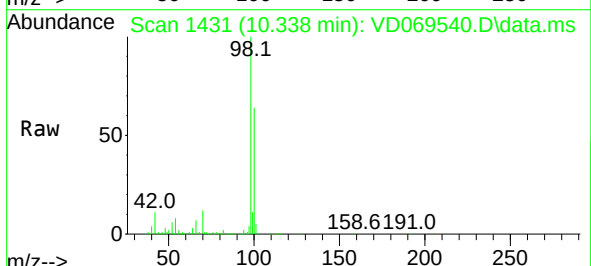
Instrument :
MSVOA_D
ClientSampleId :



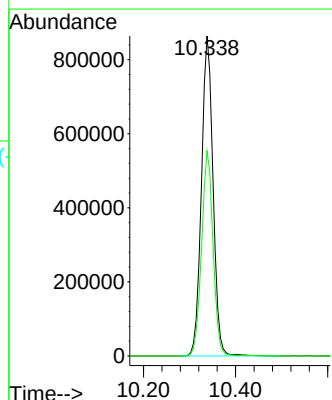
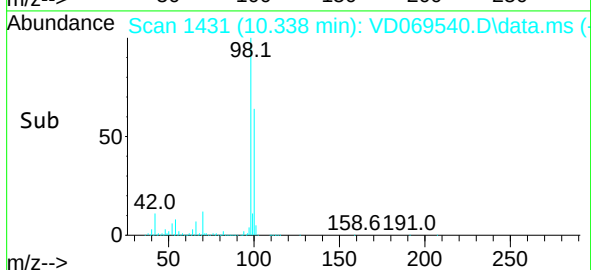
Tgt Ion:117 Resp: 63647
Ion Ratio Lower Upper
117 100
119 4.8 75.6 113.4#
121 0.0 23.8 35.8#

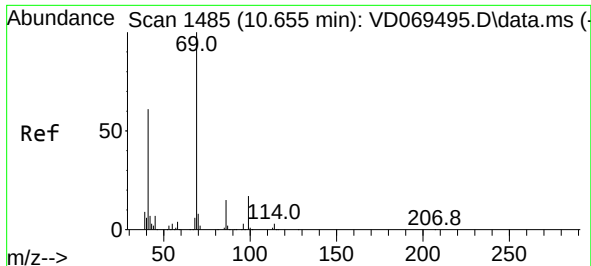


#50
Toluene-d8
Concen: 51.935 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069540.D
Acq: 23 Jun 2021 12:57



Tgt Ion: 98 Resp: 1516172
Ion Ratio Lower Upper
98 100
100 63.3 52.3 78.5

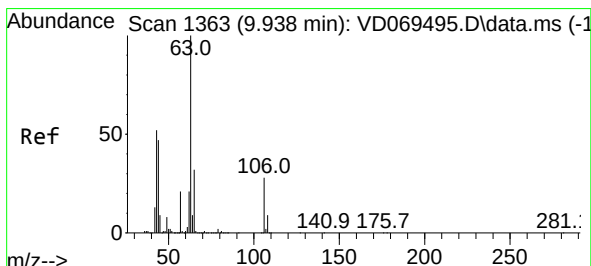
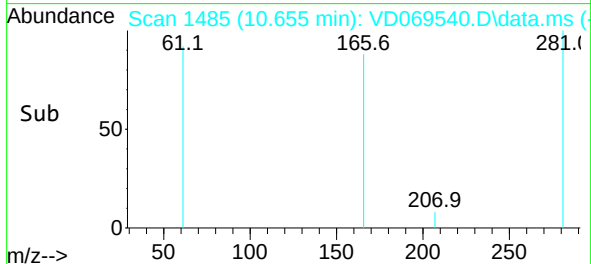
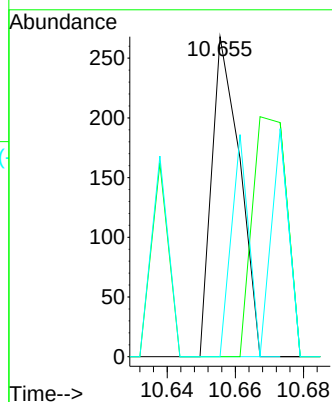
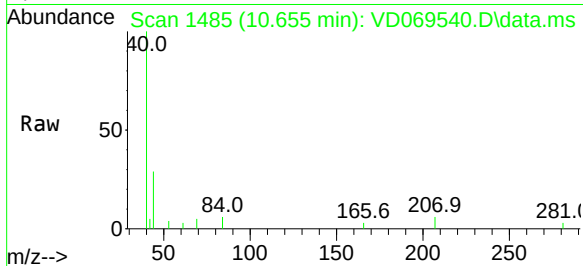




#56
Ethyl methacrylate
Concen: 2.601 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. 0.000 min
Lab File: VD069540.D
Acq: 23 Jun 2021 12:57

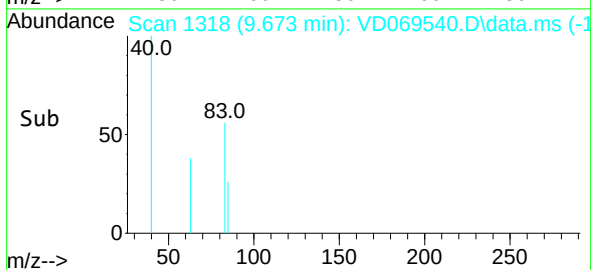
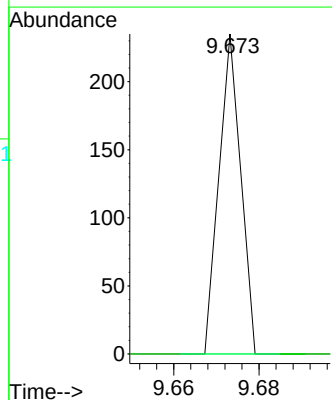
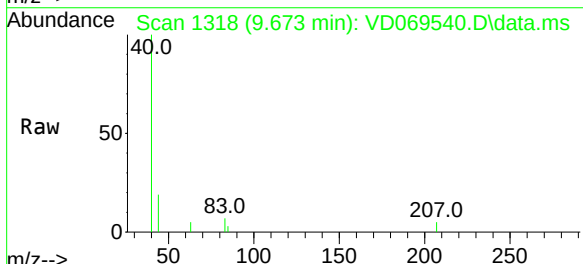
Instrument :
MSVOA_D
ClientSampled :

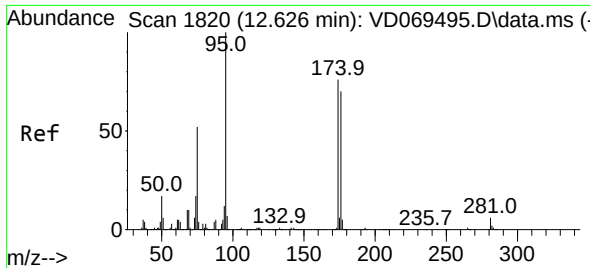
Tgt Ion: 69 Resp: 153
Ion Ratio Lower Upper
69 100
41 91.5 49.4 74.0#
39 86.9 26.9 40.3#



#58
2-Chloroethyl Vinyl ether
Concen: 10.621 ug/l
RT: 9.673 min Scan# 1318
Delta R.T. -0.265 min
Lab File: VD069540.D
Acq: 23 Jun 2021 12:57

Tgt Ion: 63 Resp: 83
Ion Ratio Lower Upper
63 100
106 0.0 22.2 33.2#

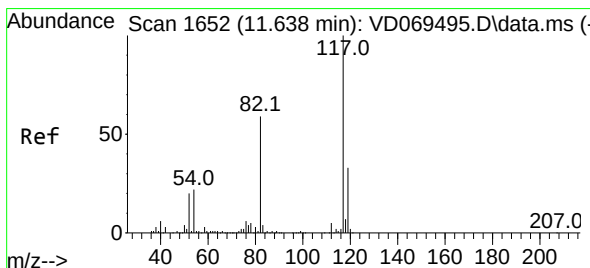
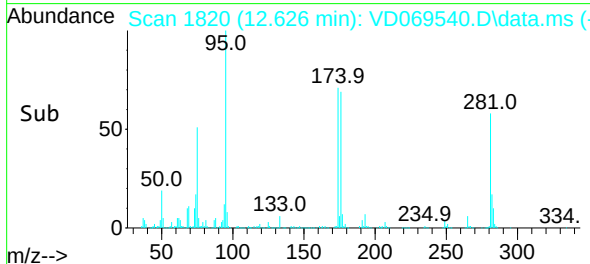
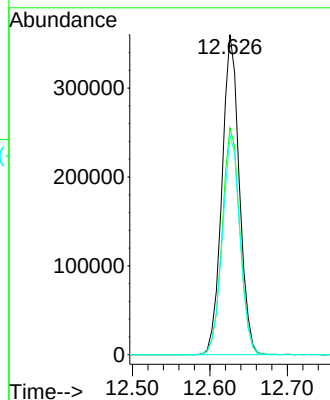
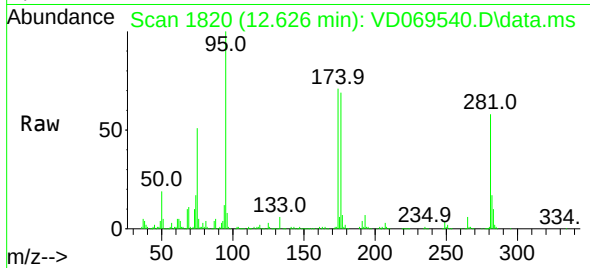




#62
4-Bromofluorobenzene
Concen: 58.434 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069540.D
Acq: 23 Jun 2021 12:57

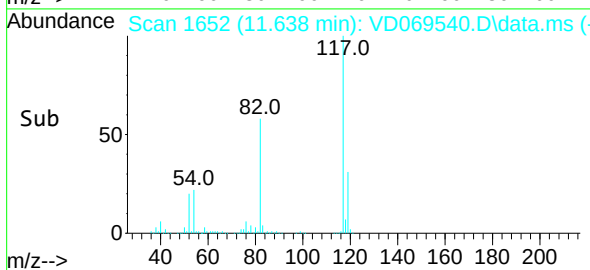
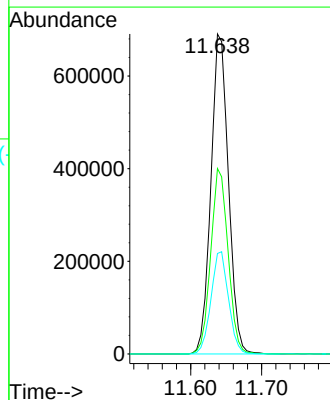
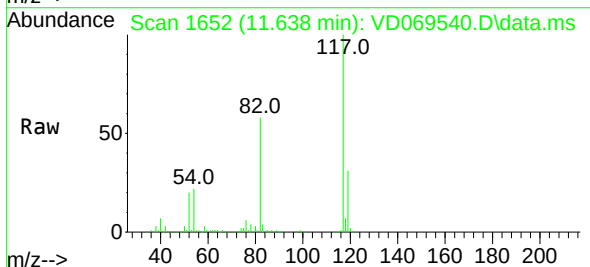
Instrument :
MSVOA_D
ClientSampleId :

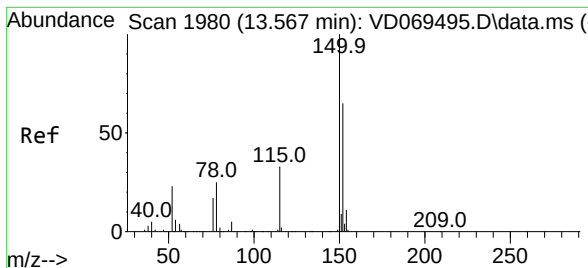
Tgt Ion: 95 Resp: 560821
Ion Ratio Lower Upper
95 100
174 72.6 0.0 148.0
176 69.9 0.0 139.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD069540.D
Acq: 23 Jun 2021 12:57

Tgt Ion: 117 Resp: 1181644
Ion Ratio Lower Upper
117 100
82 58.0 46.8 70.2
119 31.4 26.2 39.2

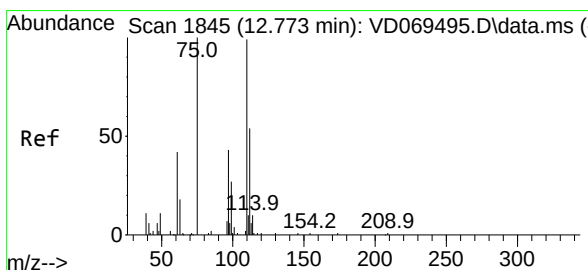
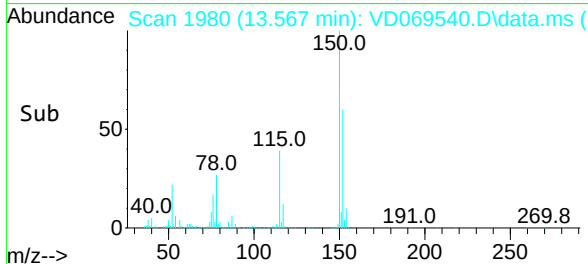
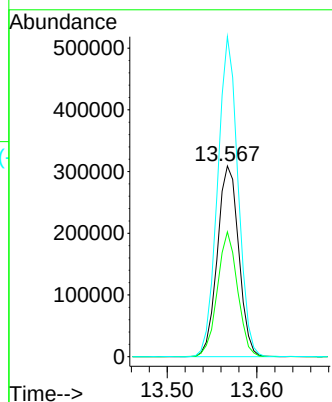
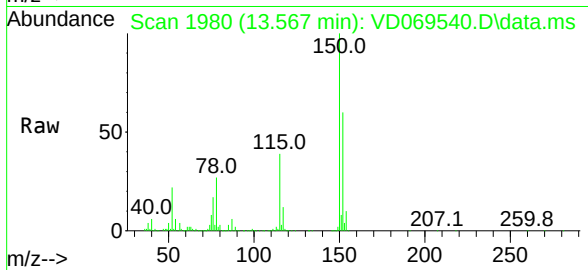




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. 0.000 min
 Lab File: VD069540.D
 Acq: 23 Jun 2021 12:57

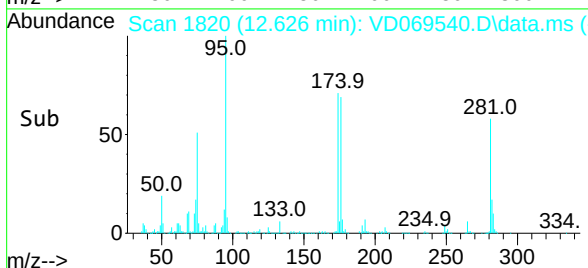
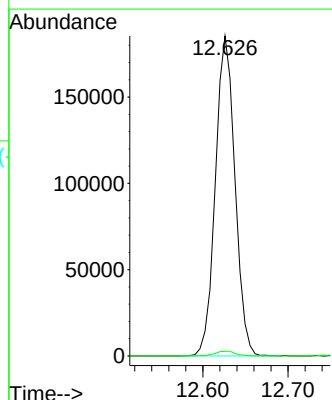
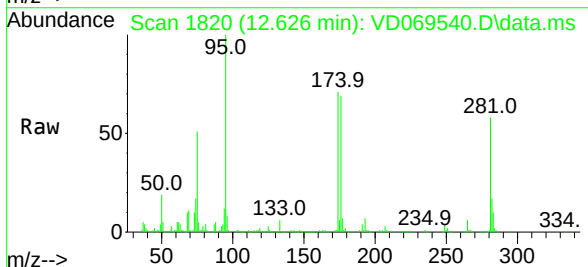
Instrument :
 MSVOA_D
 ClientSampleId :

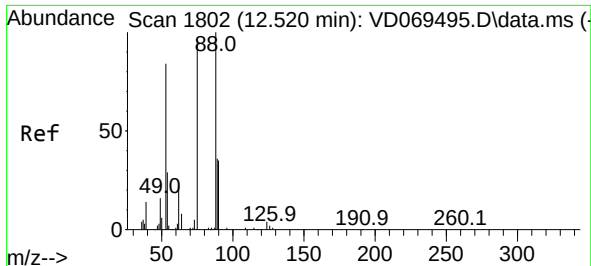
Tgt Ion:152 Resp: 510867
 Ion Ratio Lower Upper
 152 100
 115 61.9 31.7 95.1
 150 160.6 0.0 350.8



#76
 1,2,3-Trichloropropane
 Concen: 59.112 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069540.D
 Acq: 23 Jun 2021 12:57

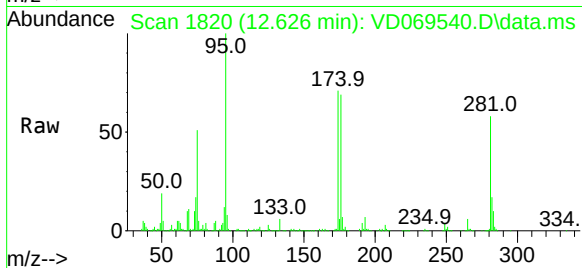
Tgt Ion: 75 Resp: 296438
 Ion Ratio Lower Upper
 75 100
 77 1.6 162.6 487.8#



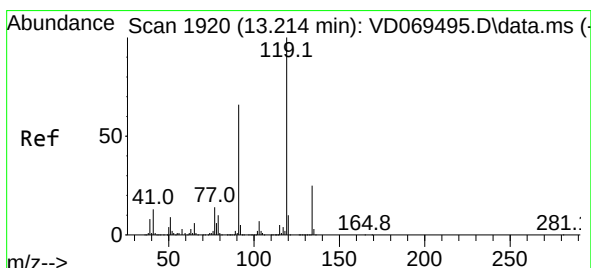
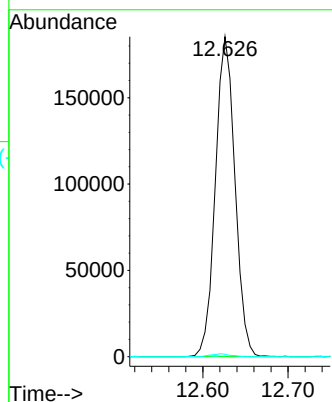
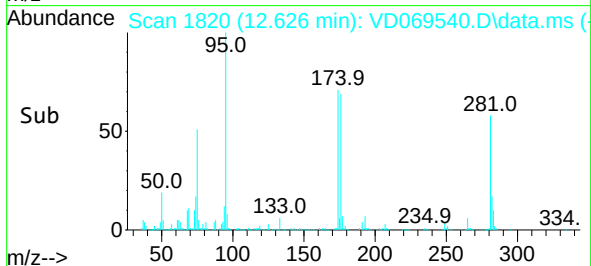


#81
 trans-1,4-Dichloro-2-butene
 Concen: 147.596 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD069540.D
 Acq: 23 Jun 2021 12:57

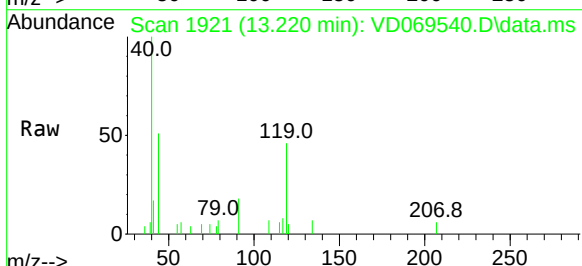
Instrument :
 MSVOA_D
 ClientSampleId :



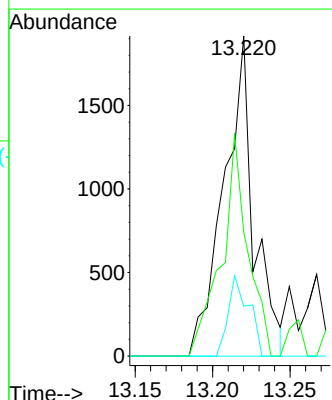
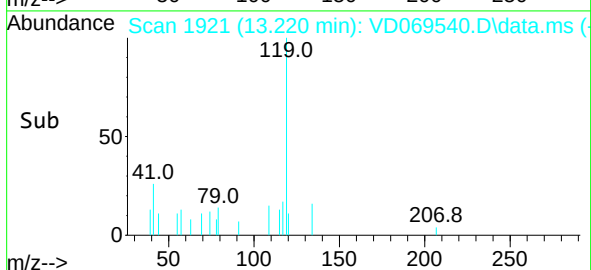
Tgt Ion: 75 Resp: 296438
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.6 112.0#
 89 0.9 35.3 52.9#

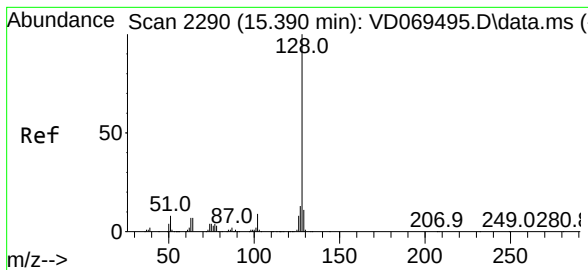


#83
 tert-Butylbenzene
 Concen: 2.085 ug/l
 RT: 13.220 min Scan# 1921
 Delta R.T. 0.006 min
 Lab File: VD069540.D
 Acq: 23 Jun 2021 12:57



Tgt Ion: 119 Resp: 2565
 Ion Ratio Lower Upper
 119 100
 91 61.1 32.5 97.4
 134 17.2 12.9 38.7





#95
Naphthalene
Concen: 3.439 ug/l
RT: 15.391 min Scan# 2290
Delta R.T. 0.001 min
Lab File: VD069540.D
Acq: 23 Jun 2021 12:57

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:128 Resp: 1442
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.7 13.1#

