

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071521\
 Data File : VD069708.D
 Acq On : 15 Jul 2021 15:38
 Operator : VA/SY
 Sample : M3002-01
 Misc : 5.56G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 16 02:02:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071321S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 14 06:00:31 2021
 Response via : Initial Calibration

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

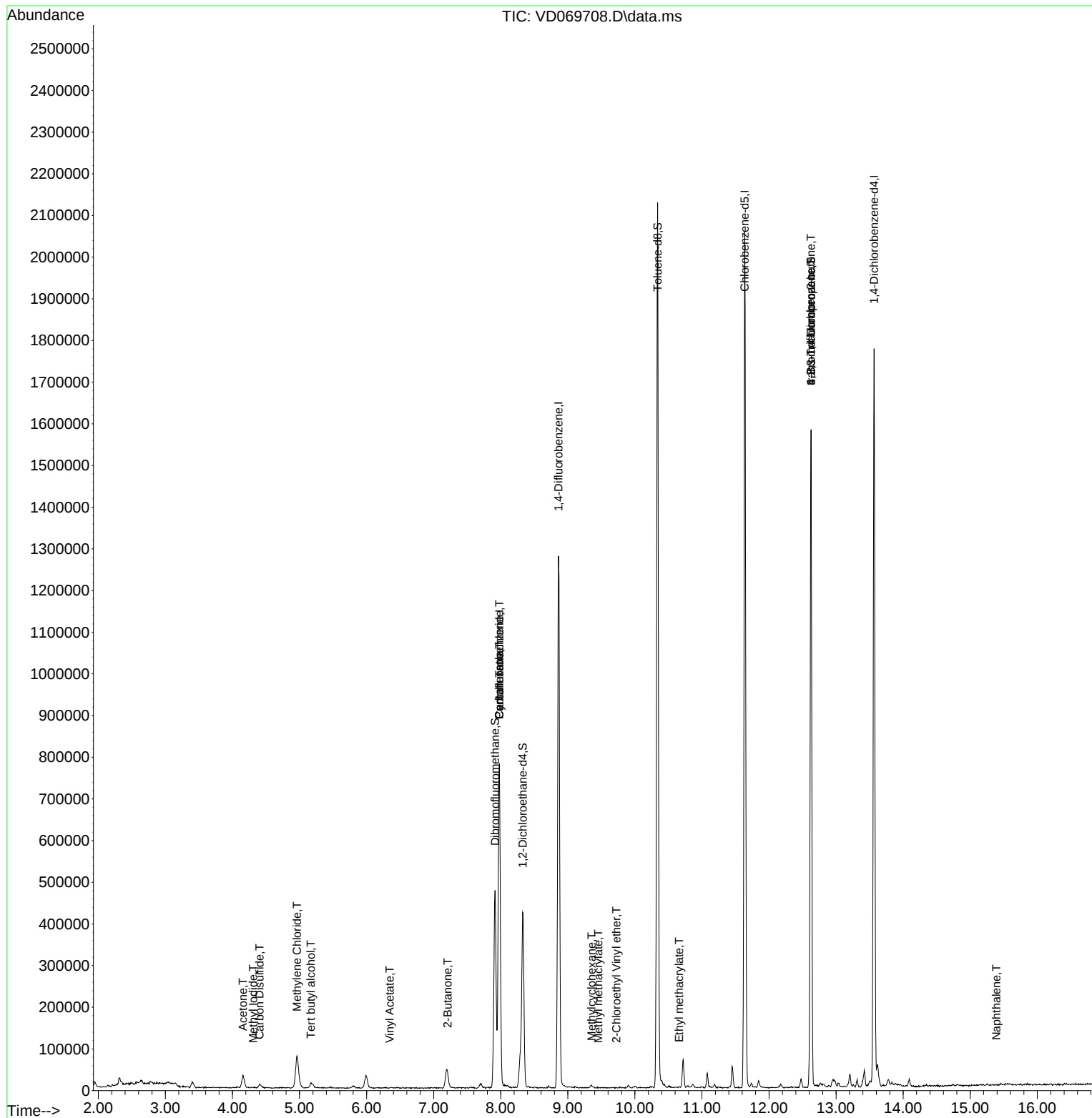
Internal Standards						
1) Pentafluorobenzene	7.979	168	545824	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1100836	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1161642	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	454377	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	325682	47.787	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.580%		
35) Dibromofluoromethane	7.914	113	351115	47.542	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.080%		
50) Toluene-d8	10.338	98	1429096	49.808	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	99.620%		
62) 4-Bromofluorobenzene	12.626	95	506512	52.932	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	105.860%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.209	50	2043	Below Cal		98
5) Bromomethane	2.785	94	3319	Below Cal	#	60
10) Methyl Iodide	4.309	142	2158	2.771	ug/l #	77
11) Tert butyl alcohol	5.167	59	6164	6.769	ug/l #	79
16) Acetone	4.156	43	51527	45.937	ug/l	96
17) Carbon Disulfide	4.403	76	15983	1.190	ug/l #	93
18) Methyl Acetate	4.720	43	414	Below Cal	#	49
20) Methylene Chloride	4.962	84	62025	1.869	ug/l	96
23) Vinyl Acetate	6.344	43	353	15.456	ug/l #	72
25) 2-Butanone	7.208	43	10881	6.755	ug/l #	78
31) Cyclohexane	7.979	56	14411	1.637	ug/l #	1
38) Carbon Tetrachloride	7.979	117	58572	5.632	ug/l #	18
39) Methylcyclohexane	9.355	83	2240	2.117	ug/l	97
48) Methyl methacrylate	9.455	41	102	1.127	ug/l #	43
56) Ethyl methacrylate	10.661	69	612	1.743	ug/l #	75
58) 2-Chloroethyl Vinyl ether	9.726	63	54	9.376	ug/l #	49
76) 1,2,3-Trichloropropane	12.626	75	250200	56.681	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	250200	152.329	ug/l #	14
95) Naphthalene	15.390	128	1831	2.327	ug/l #	79

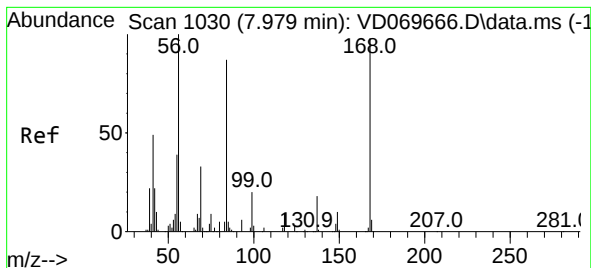
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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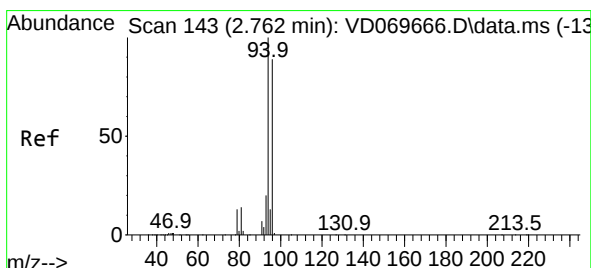
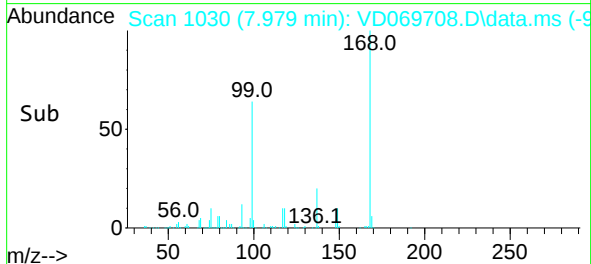
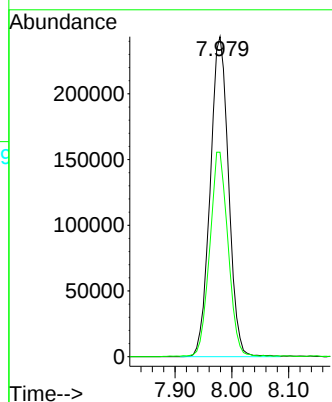
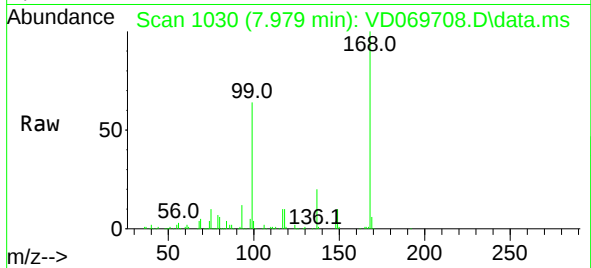




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069708.D
Acq: 15 Jul 2021 15:38

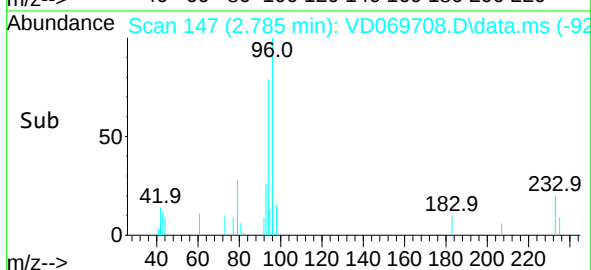
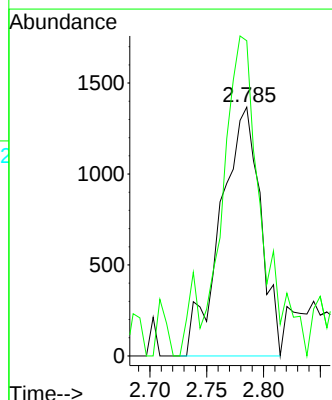
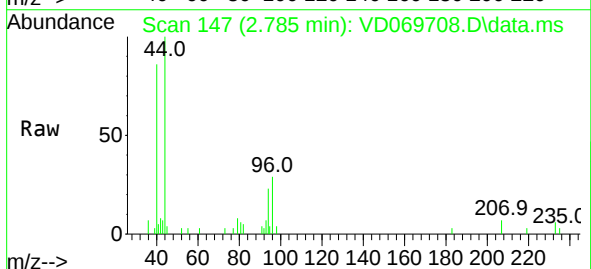
Instrument :
MSVOA_D
ClientSampled :

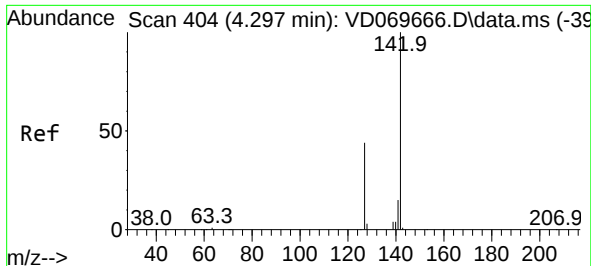
Tgt Ion:168 Resp: 545824
Ion Ratio Lower Upper
168 100
99 63.8 51.8 77.6



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.023 min
Lab File: VD069708.D
Acq: 15 Jul 2021 15:38

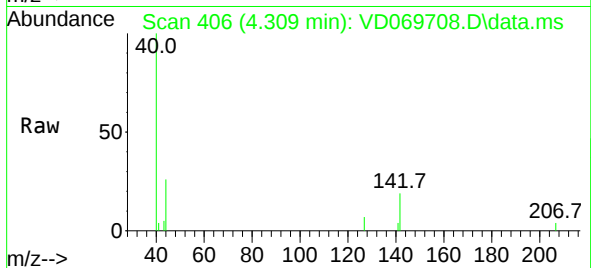
Tgt Ion: 94 Resp: 3319
Ion Ratio Lower Upper
94 100
96 126.7 71.2 106.8#



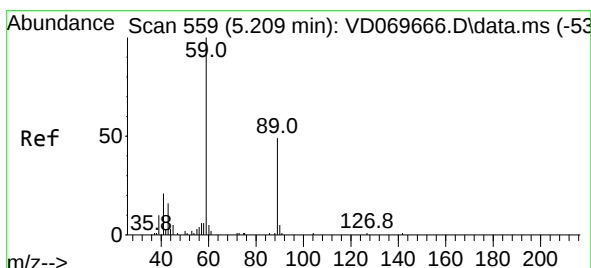
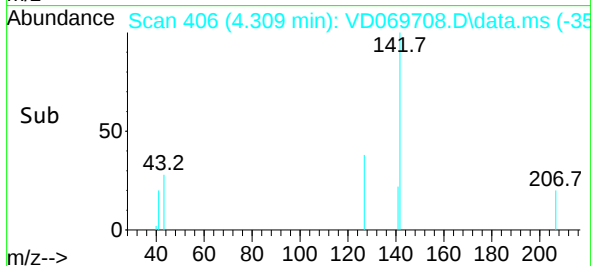
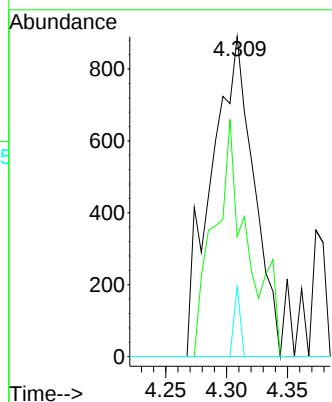


#10
Methyl Iodide
Concen: 2.771 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.012 min
Lab File: VD069708.D
Acq: 15 Jul 2021 15:38

Instrument :
MSVOA_D
ClientSampled :

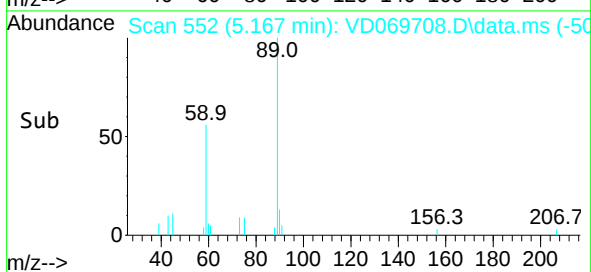
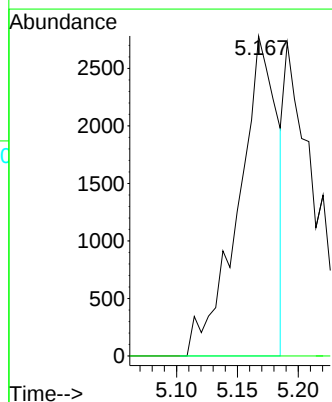
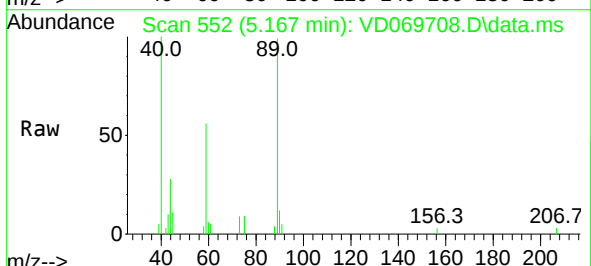


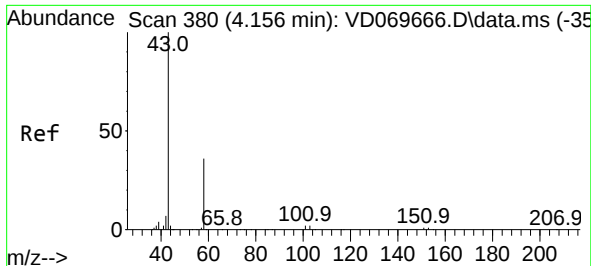
Tgt Ion:142 Resp: 2158
Ion Ratio Lower Upper
142 100
127 58.9 36.1 54.1#
141 3.2 11.6 17.4#



#11
Tert butyl alcohol
Concen: 6.769 ug/l
RT: 5.167 min Scan# 552
Delta R.T. -0.042 min
Lab File: VD069708.D
Acq: 15 Jul 2021 15:38

Tgt Ion: 59 Resp: 6164
Ion Ratio Lower Upper
59 100
57 0.0 5.7 8.5#

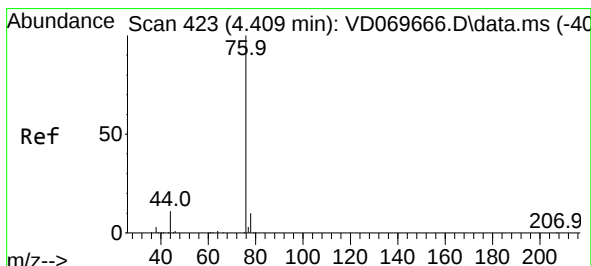
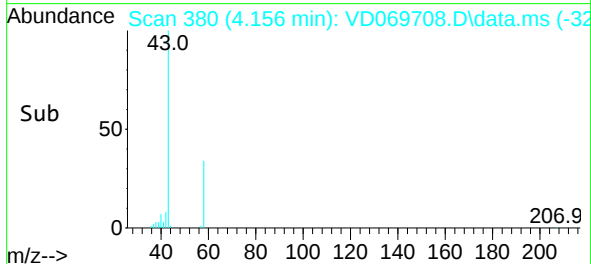
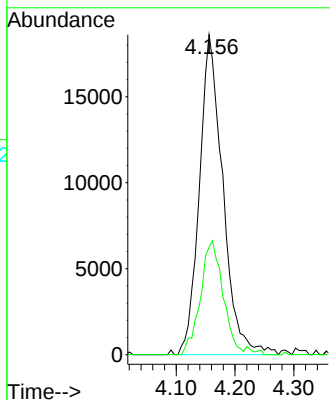
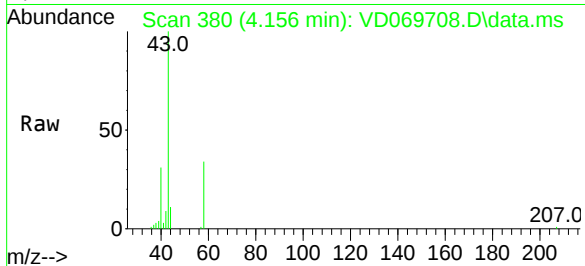




#16
Acetone
Concen: 45.937 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069708.D
Acq: 15 Jul 2021 15:38

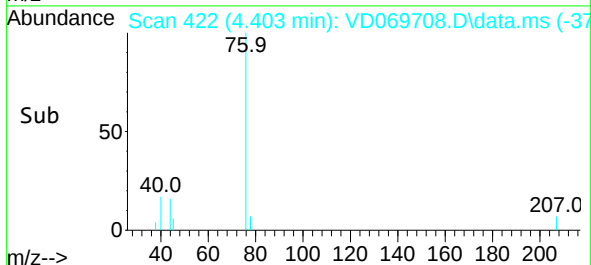
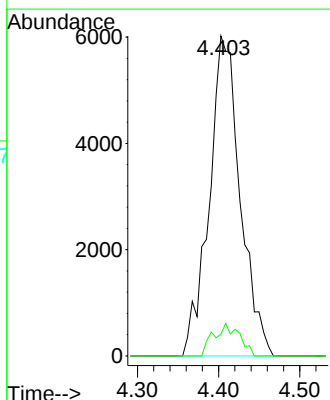
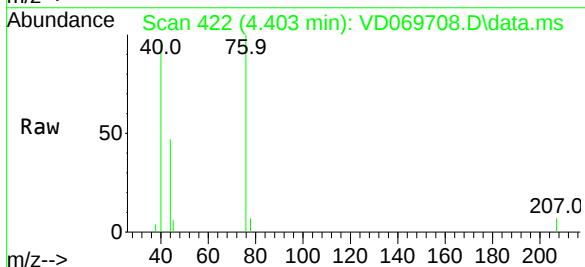
Instrument :
MSVOA_D
ClientSampled :

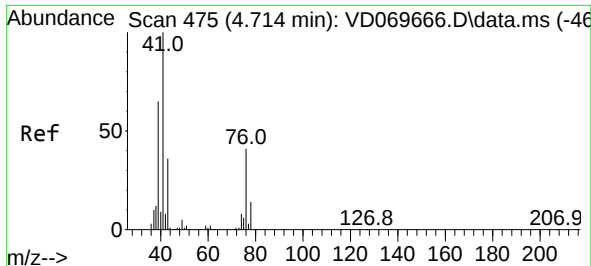
Tgt Ion: 43 Resp: 51527
Ion Ratio Lower Upper
43 100
58 33.6 28.6 42.8



#17
Carbon Disulfide
Concen: 1.190 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.006 min
Lab File: VD069708.D
Acq: 15 Jul 2021 15:38

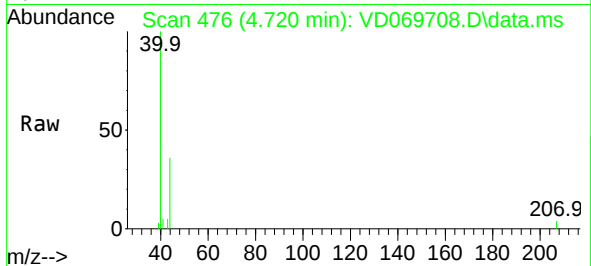
Tgt Ion: 76 Resp: 15983
Ion Ratio Lower Upper
76 100
78 6.8 7.6 11.4#



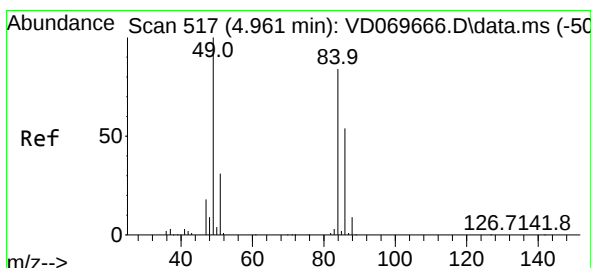
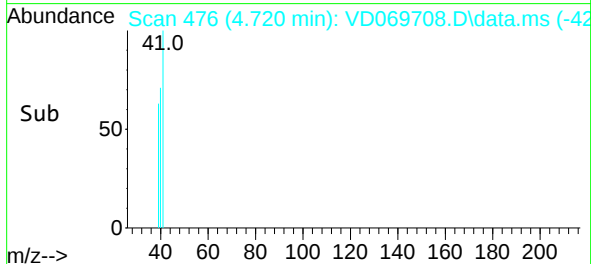
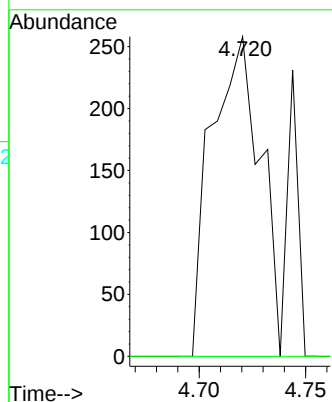


#18
Methyl Acetate
Concen: Below Cal
RT: 4.720 min Scan# 476
Delta R.T. 0.006 min
Lab File: VD069708.D
Acq: 15 Jul 2021 15:38

Instrument :
MSVOA_D
ClientSampled :

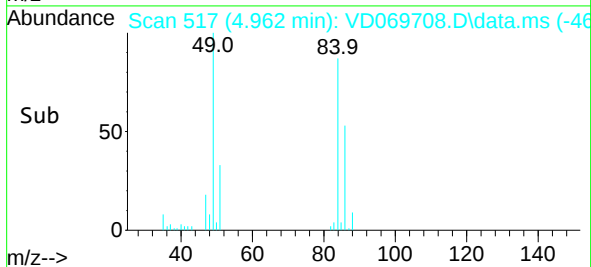
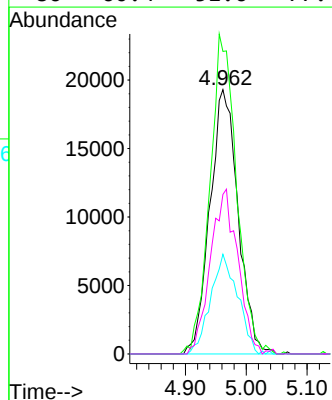
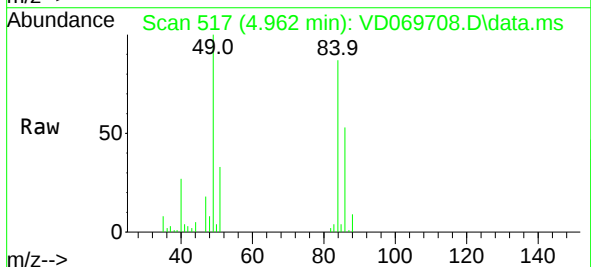


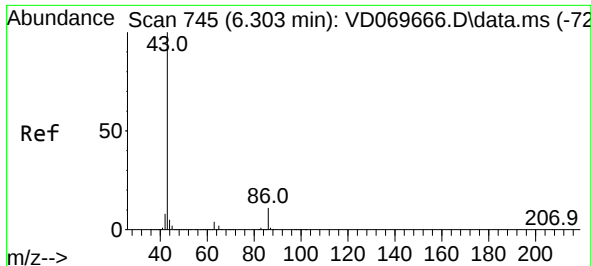
Tgt Ion: 43 Resp: 414
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#



#20
Methylene Chloride
Concen: 1.869 ug/l
RT: 4.962 min Scan# 517
Delta R.T. 0.001 min
Lab File: VD069708.D
Acq: 15 Jul 2021 15:38

Tgt Ion: 84 Resp: 62025
Ion Ratio Lower Upper
84 100
49 114.5 95.5 143.3
51 37.7 29.7 44.5
86 60.4 51.6 77.4

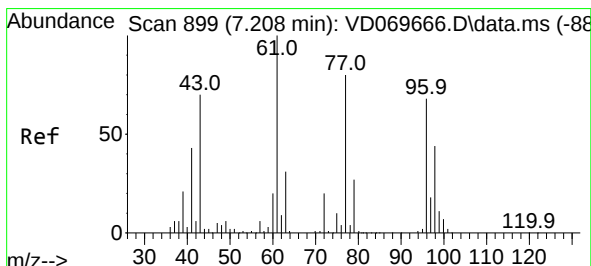
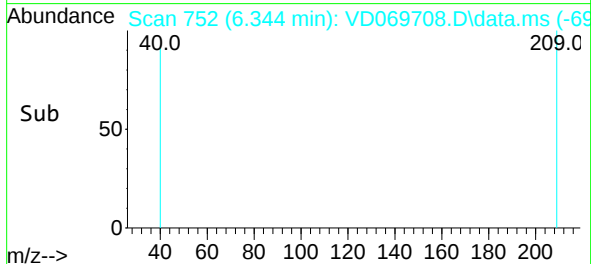
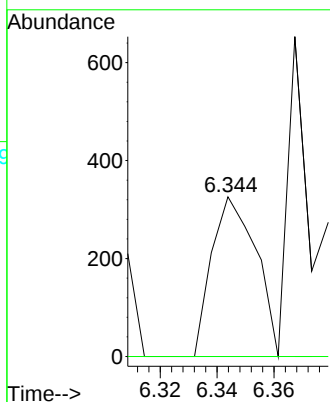
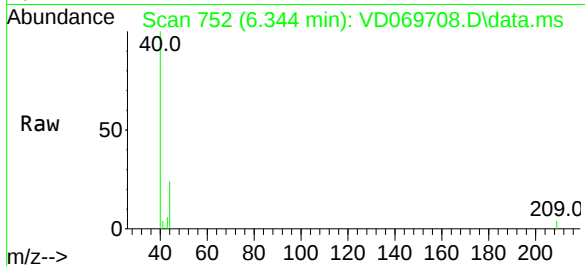




#23
 Vinyl Acetate
 Concen: 15.456 ug/l
 RT: 6.344 min Scan# 752
 Delta R.T. 0.041 min
 Lab File: VD069708.D
 Acq: 15 Jul 2021 15:38

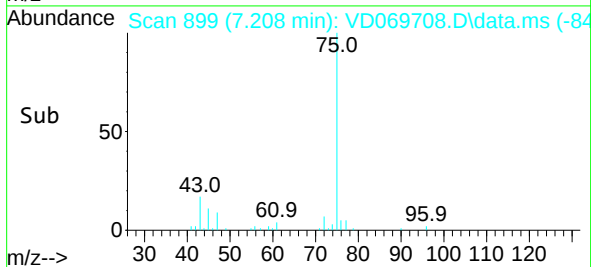
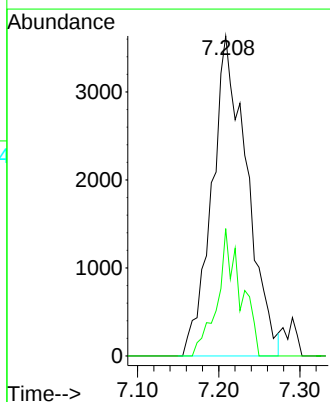
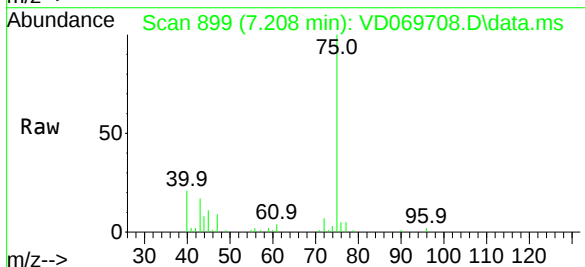
Instrument :
 MSVOA_D
 ClientSampled :

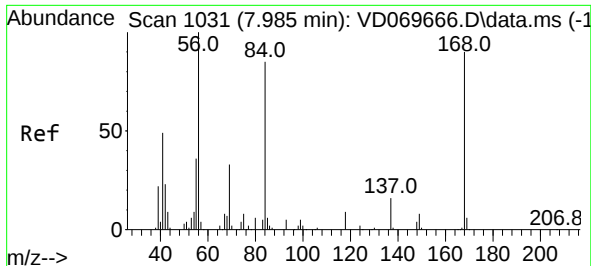
Tgt Ion: 43 Resp: 353
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 12.8#



#25
 2-Butanone
 Concen: 6.755 ug/l
 RT: 7.208 min Scan# 899
 Delta R.T. 0.000 min
 Lab File: VD069708.D
 Acq: 15 Jul 2021 15:38

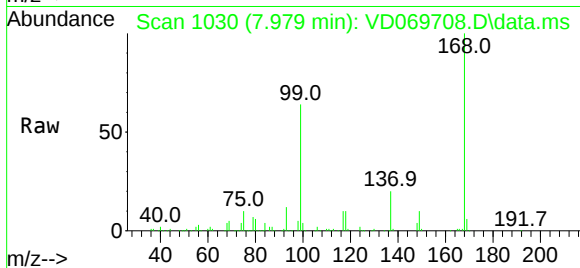
Tgt Ion: 43 Resp: 10881
 Ion Ratio Lower Upper
 43 100
 72 39.8 22.6 33.8#



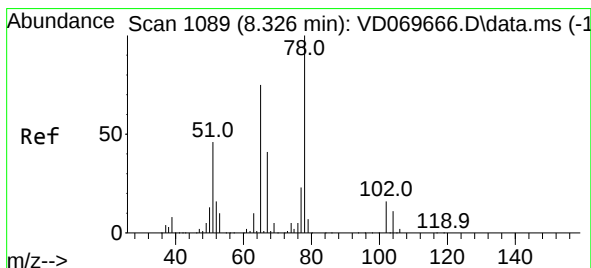
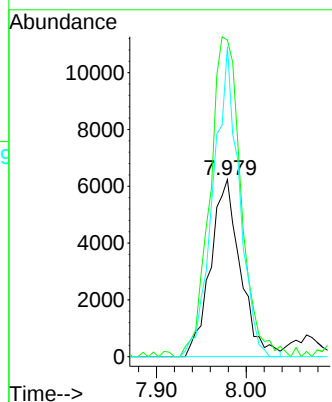
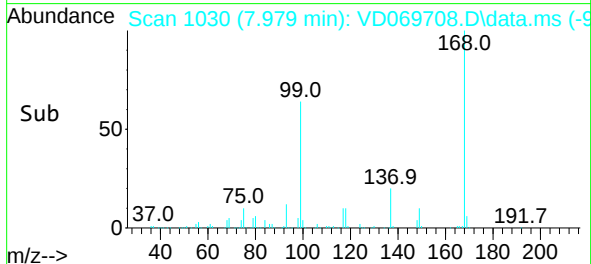


#31
Cyclohexane
Concen: 1.637 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069708.D
Acq: 15 Jul 2021 15:38

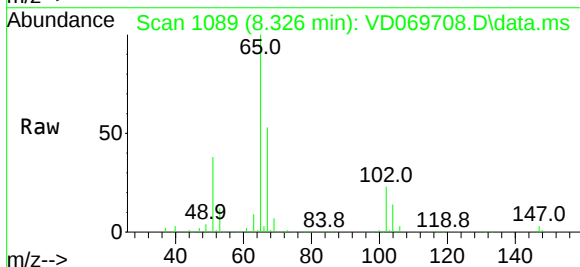
Instrument :
MSVOA_D
ClientSampled :



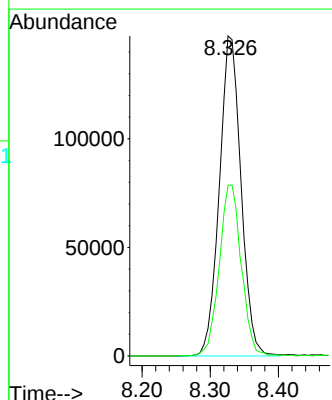
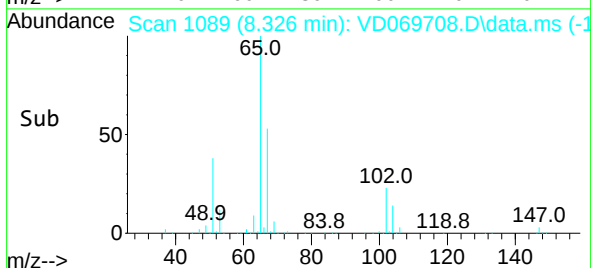
Tgt Ion: 56 Resp: 14411
Ion Ratio Lower Upper
56 100
69 178.9 26.6 39.8#
84 175.1 68.2 102.2#

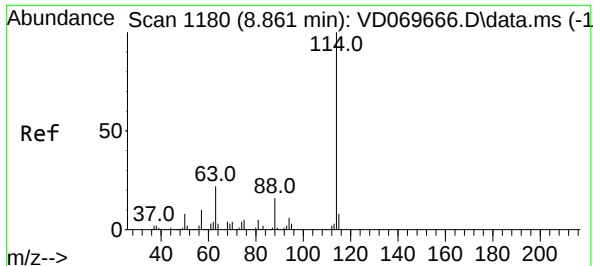


#33
1,2-Dichloroethane-d4
Concen: 47.787 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD069708.D
Acq: 15 Jul 2021 15:38



Tgt Ion: 65 Resp: 325682
Ion Ratio Lower Upper
65 100
67 54.6 0.0 107.2



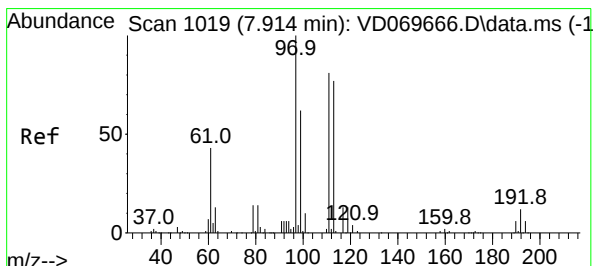
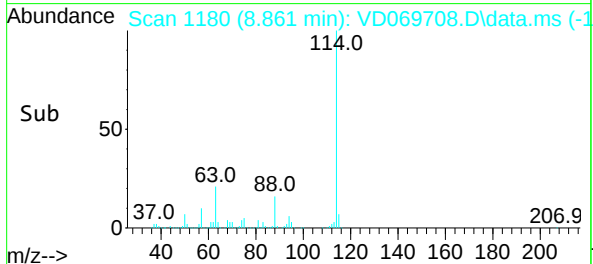
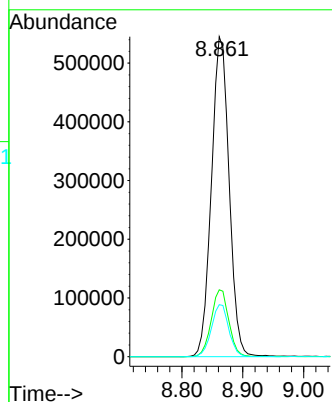
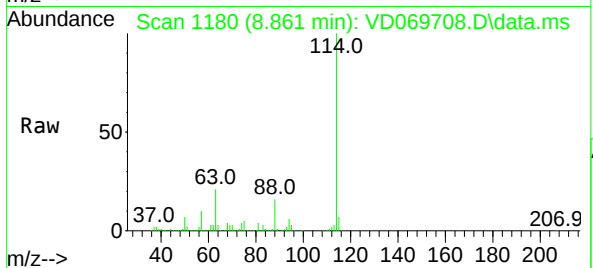


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069708.D
Acq: 15 Jul 2021 15:38

Instrument :
MSVOA_D
ClientSampled :

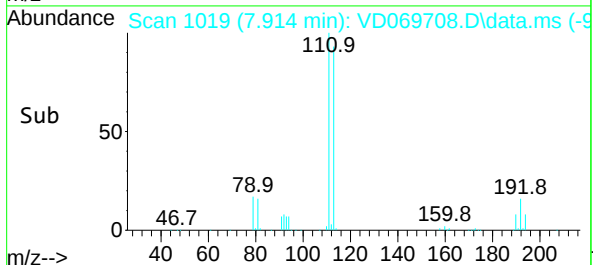
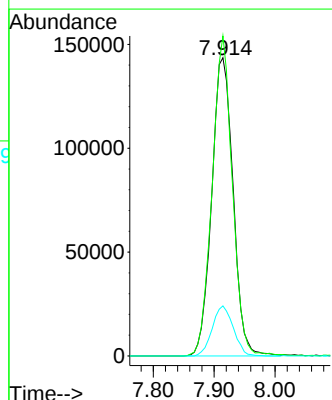
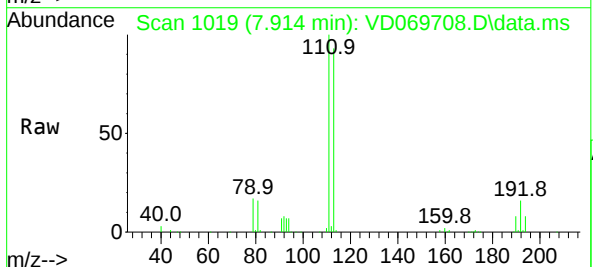
Tgt Ion:114 Resp: 1100836
Ion Ratio Lower Upper
114 100
63 20.9 0.0 43.4
88 16.3 0.0 32.0

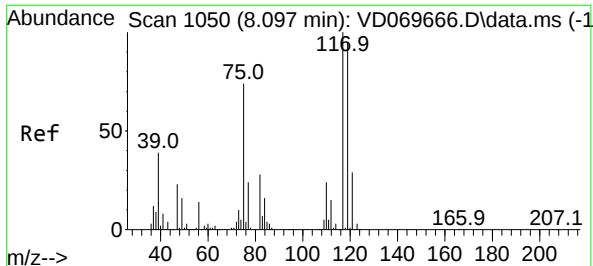


#35

Dibromofluoromethane
Concen: 47.542 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069708.D
Acq: 15 Jul 2021 15:38

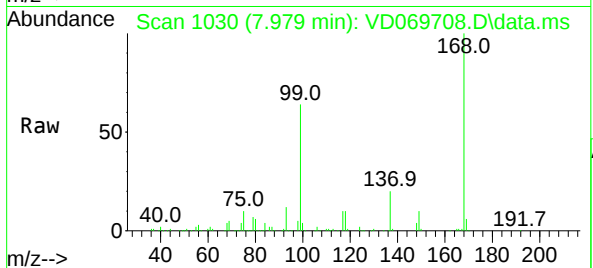
Tgt Ion:113 Resp: 351115
Ion Ratio Lower Upper
113 100
111 101.3 82.6 123.8
192 16.5 12.7 19.1



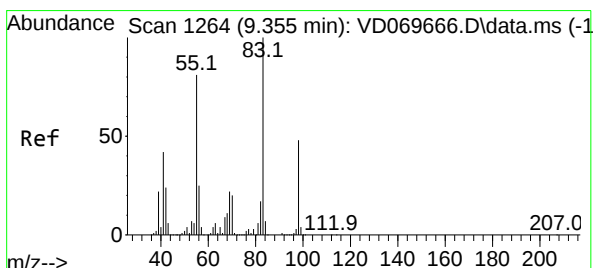
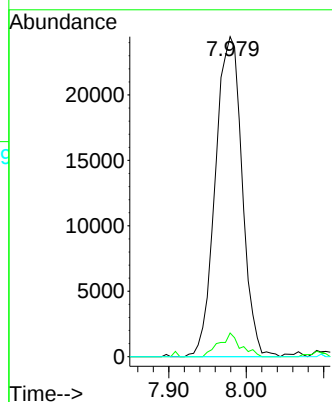
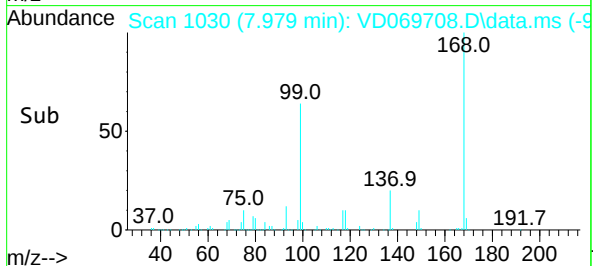


#38
Carbon Tetrachloride
Concen: 5.632 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069708.D
Acq: 15 Jul 2021 15:38

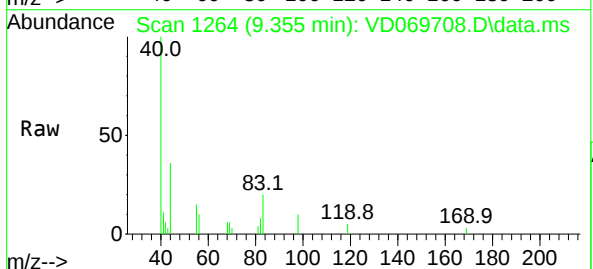
Instrument :
MSVOA_D
ClientSampled :



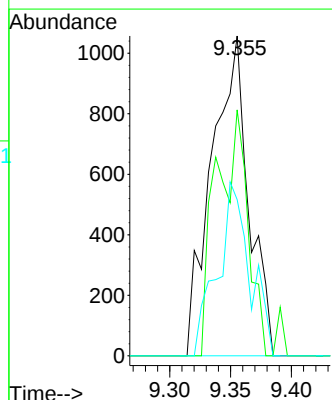
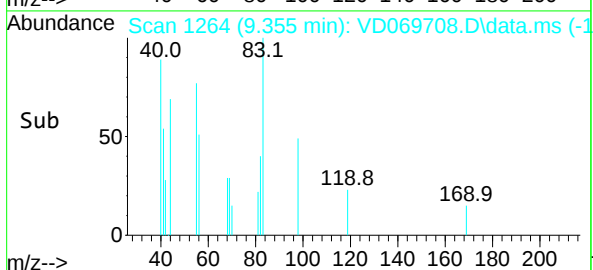
Tgt Ion:117 Resp: 58572
Ion Ratio Lower Upper
117 100
119 7.4 75.7 113.5#
121 0.0 23.0 34.6#

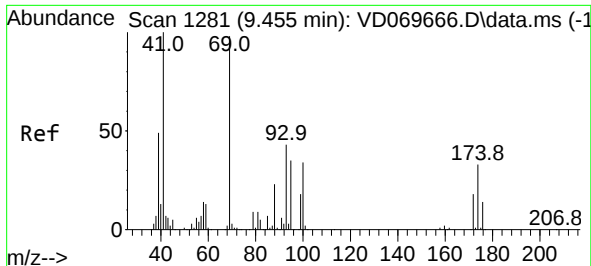


#39
Methylcyclohexane
Concen: 2.117 ug/l
RT: 9.355 min Scan# 1264
Delta R.T. 0.000 min
Lab File: VD069708.D
Acq: 15 Jul 2021 15:38



Tgt Ion: 83 Resp: 2240
Ion Ratio Lower Upper
83 100
55 76.9 64.6 97.0
98 48.8 38.4 57.6

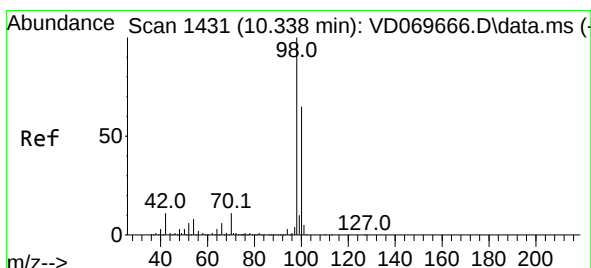
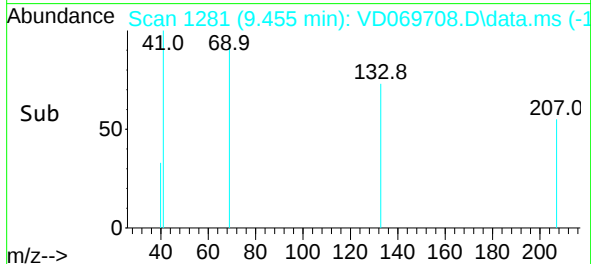
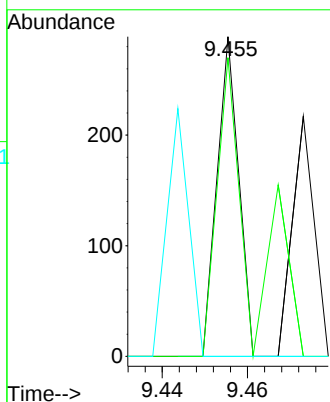
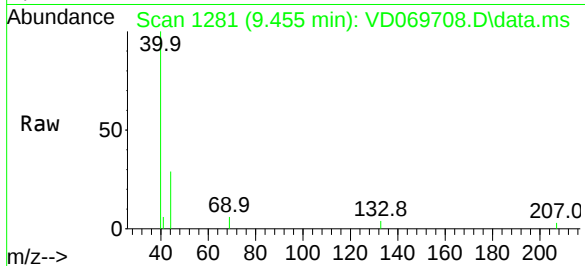




#48
Methyl methacrylate
Concen: 1.127 ug/l
RT: 9.455 min Scan# 1281
Delta R.T. 0.000 min
Lab File: VD069708.D
Acq: 15 Jul 2021 15:38

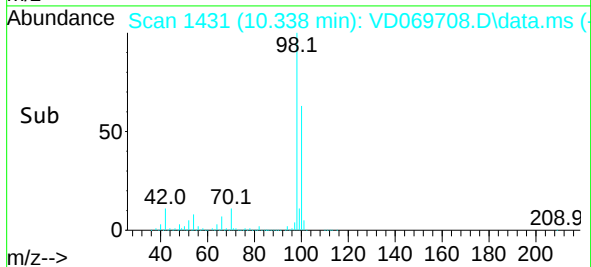
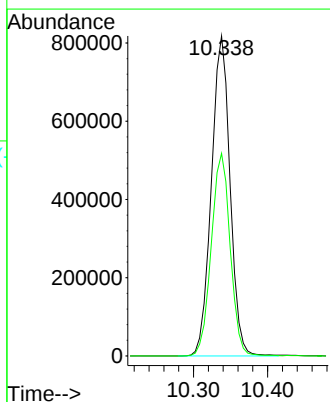
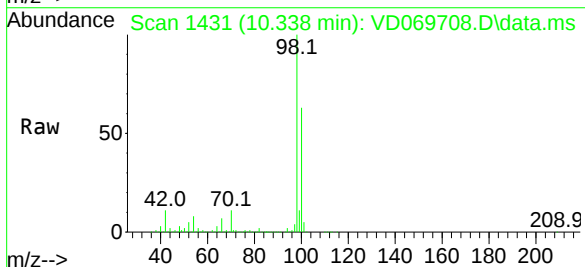
Instrument :
MSVOA_D
ClientSampled :

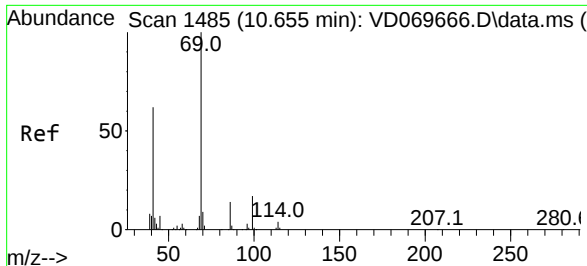
Tgt Ion: 41 Resp: 102
Ion Ratio Lower Upper
41 100
69 147.1 71.6 107.4#
39 77.5 36.7 55.1#



#50
Toluene-d8
Concen: 49.808 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069708.D
Acq: 15 Jul 2021 15:38

Tgt Ion: 98 Resp: 1429096
Ion Ratio Lower Upper
98 100
100 64.1 52.2 78.2

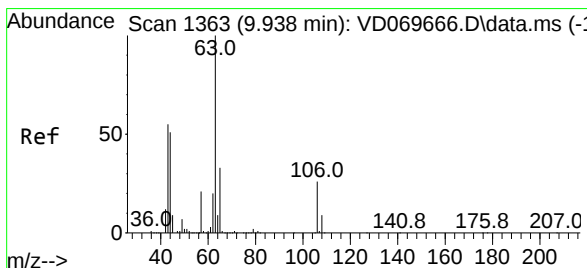
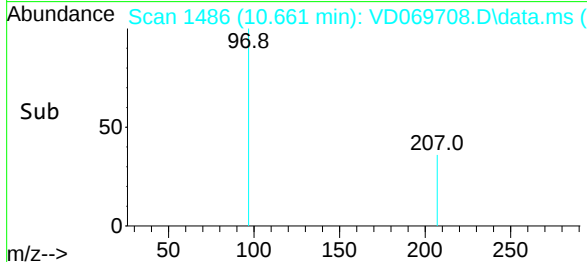
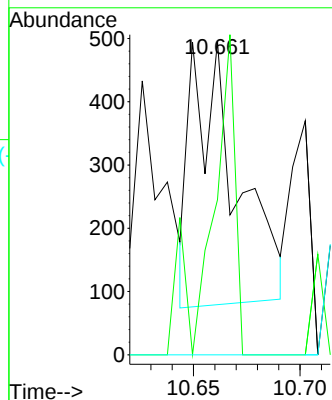
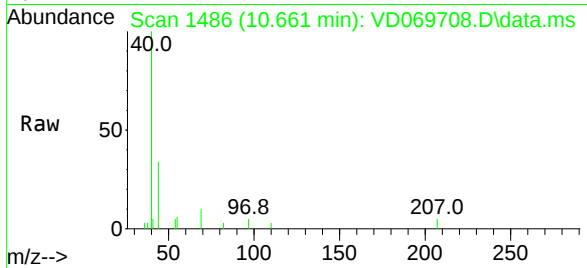




#56
Ethyl methacrylate
Concen: 1.743 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.006 min
Lab File: VD069708.D
Acq: 15 Jul 2021 15:38

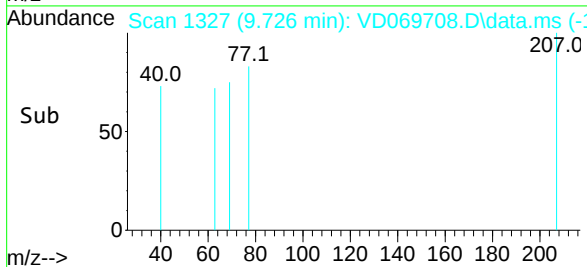
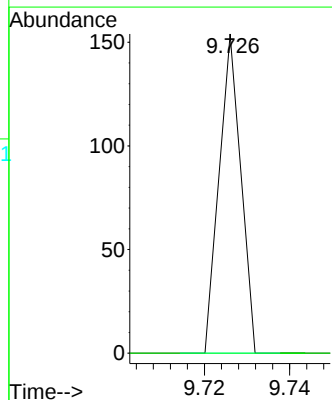
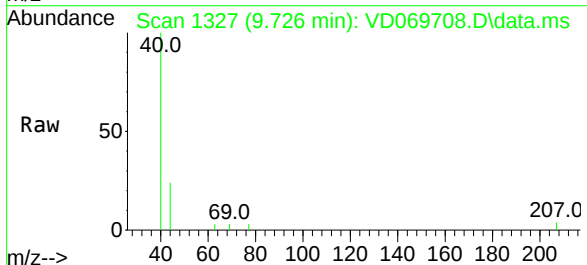
Instrument :
MSVOA_D
ClientSampled :

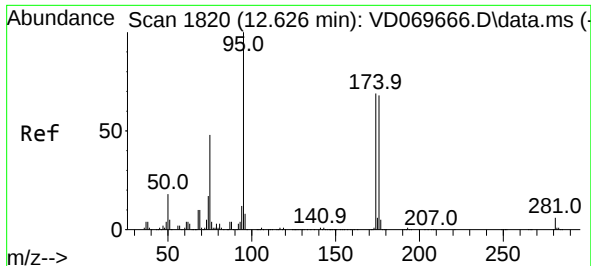
Tgt Ion: 69 Resp: 612
Ion Ratio Lower Upper
69 100
41 52.8 49.5 74.3
39 0.0 22.5 33.7#



#58
2-Chloroethyl Vinyl ether
Concen: 9.376 ug/l
RT: 9.726 min Scan# 1327
Delta R.T. -0.212 min
Lab File: VD069708.D
Acq: 15 Jul 2021 15:38

Tgt Ion: 63 Resp: 54
Ion Ratio Lower Upper
63 100
106 0.0 21.1 31.7#

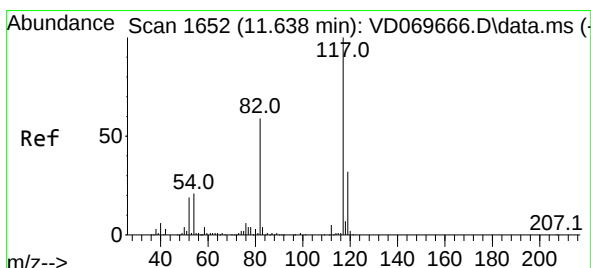
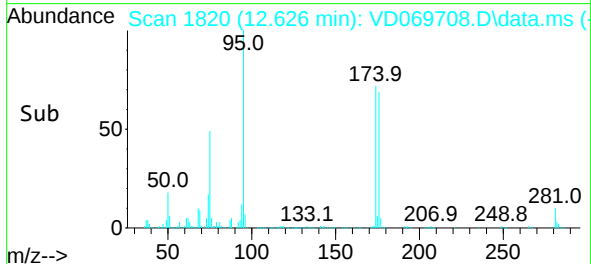
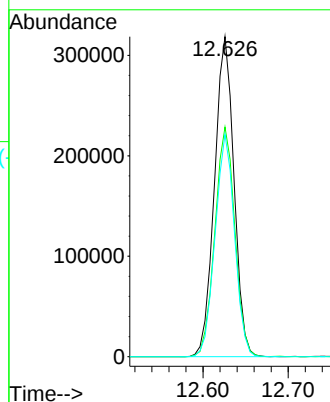
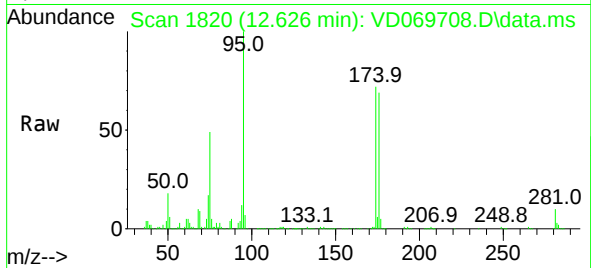




#62
4-Bromofluorobenzene
Concen: 52.932 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069708.D
Acq: 15 Jul 2021 15:38

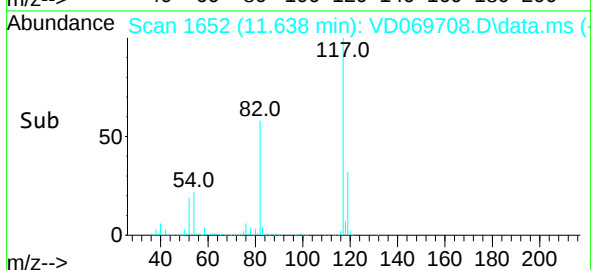
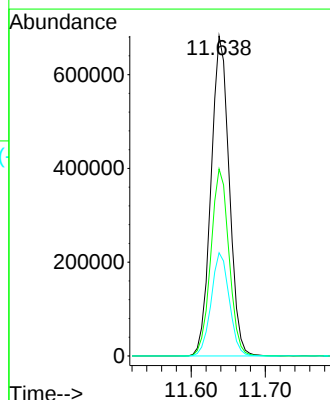
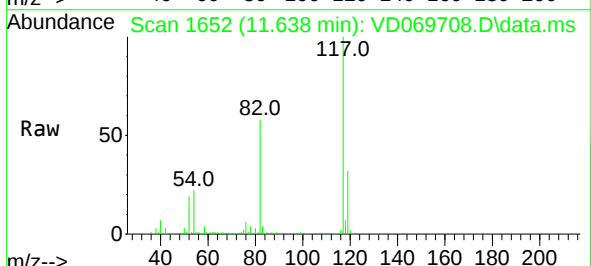
Instrument :
MSVOA_D
ClientSampleId :

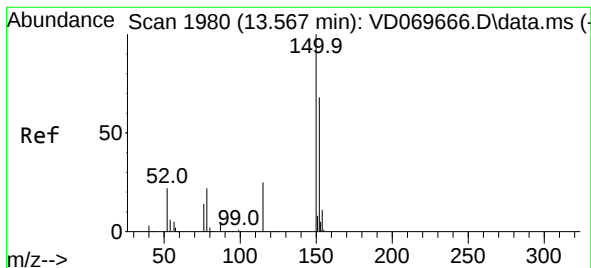
Tgt Ion: 95 Resp: 506512
Ion Ratio Lower Upper
95 100
174 73.5 0.0 140.0
176 69.1 0.0 136.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069708.D
Acq: 15 Jul 2021 15:38

Tgt Ion: 117 Resp: 1161642
Ion Ratio Lower Upper
117 100
82 58.4 47.4 71.2
119 32.3 25.5 38.3

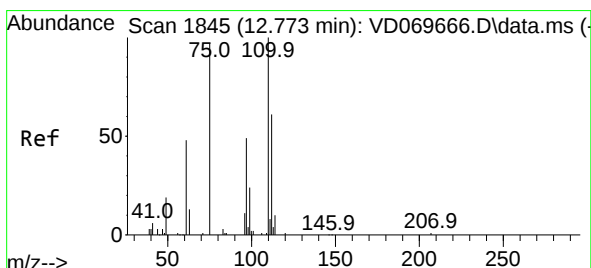
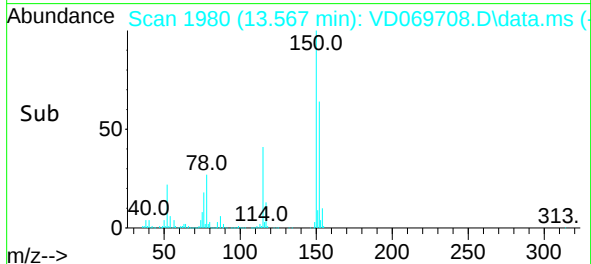
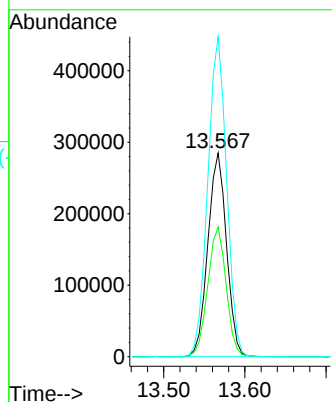
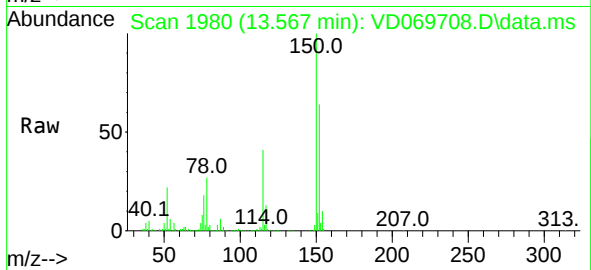




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD069708.D
 Acq: 15 Jul 2021 15:38

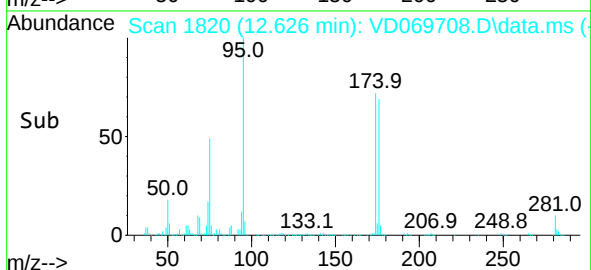
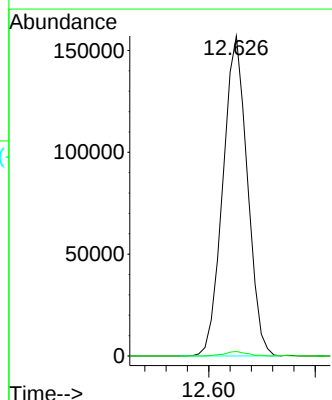
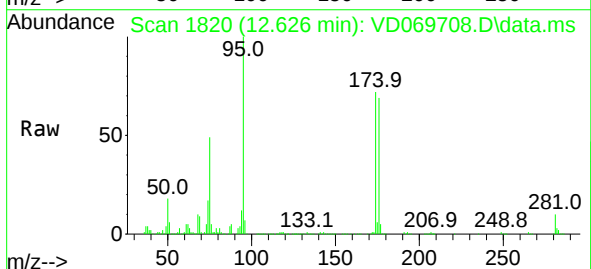
Instrument :
 MSVOA_D
 ClientSampled :

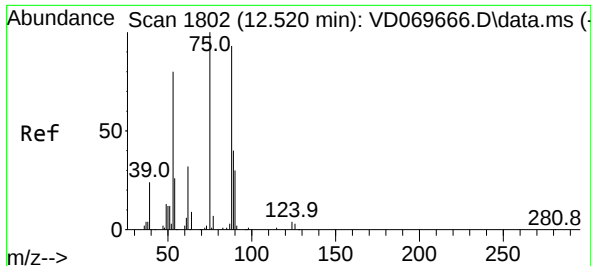
Tgt Ion:152 Resp: 454377
 Ion Ratio Lower Upper
 152 100
 115 62.8 31.7 95.1
 150 158.4 0.0 350.4



#76
 1,2,3-Trichloropropane
 Concen: 56.681 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069708.D
 Acq: 15 Jul 2021 15:38

Tgt Ion: 75 Resp: 250200
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#

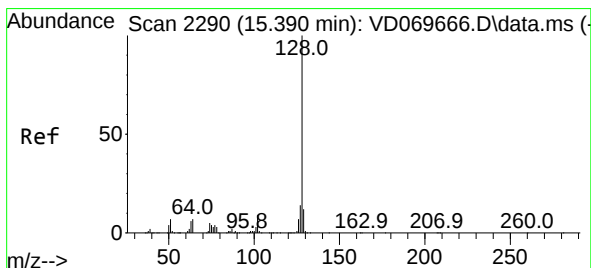
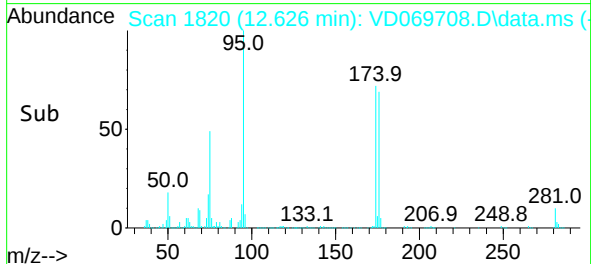
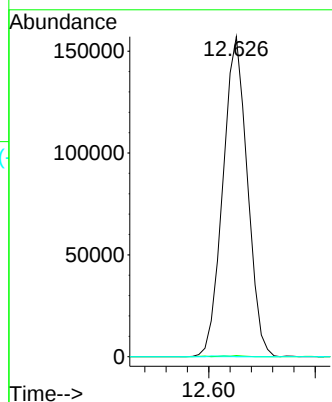
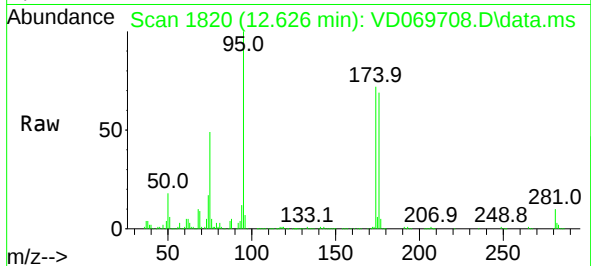




#81
trans-1,4-Dichloro-2-butene
Concen: 152.329 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069708.D
Acq: 15 Jul 2021 15:38

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 250200
Ion Ratio Lower Upper
75 100
53 0.3 70.6 106.0#
89 0.0 35.1 52.7#



#95
Naphthalene
Concen: 2.327 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. 0.000 min
Lab File: VD069708.D
Acq: 15 Jul 2021 15:38

Tgt Ion:128 Resp: 1831
Ion Ratio Lower Upper
128 100
127 3.8 10.6 16.0#
129 4.6 8.8 13.2#

