

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072021\
 Data File : VD069770.D
 Acq On : 20 Jul 2021 15:22
 Operator : VA/SY
 Sample : M3048-02
 Misc : 5.28G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 21 03:25:53 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)

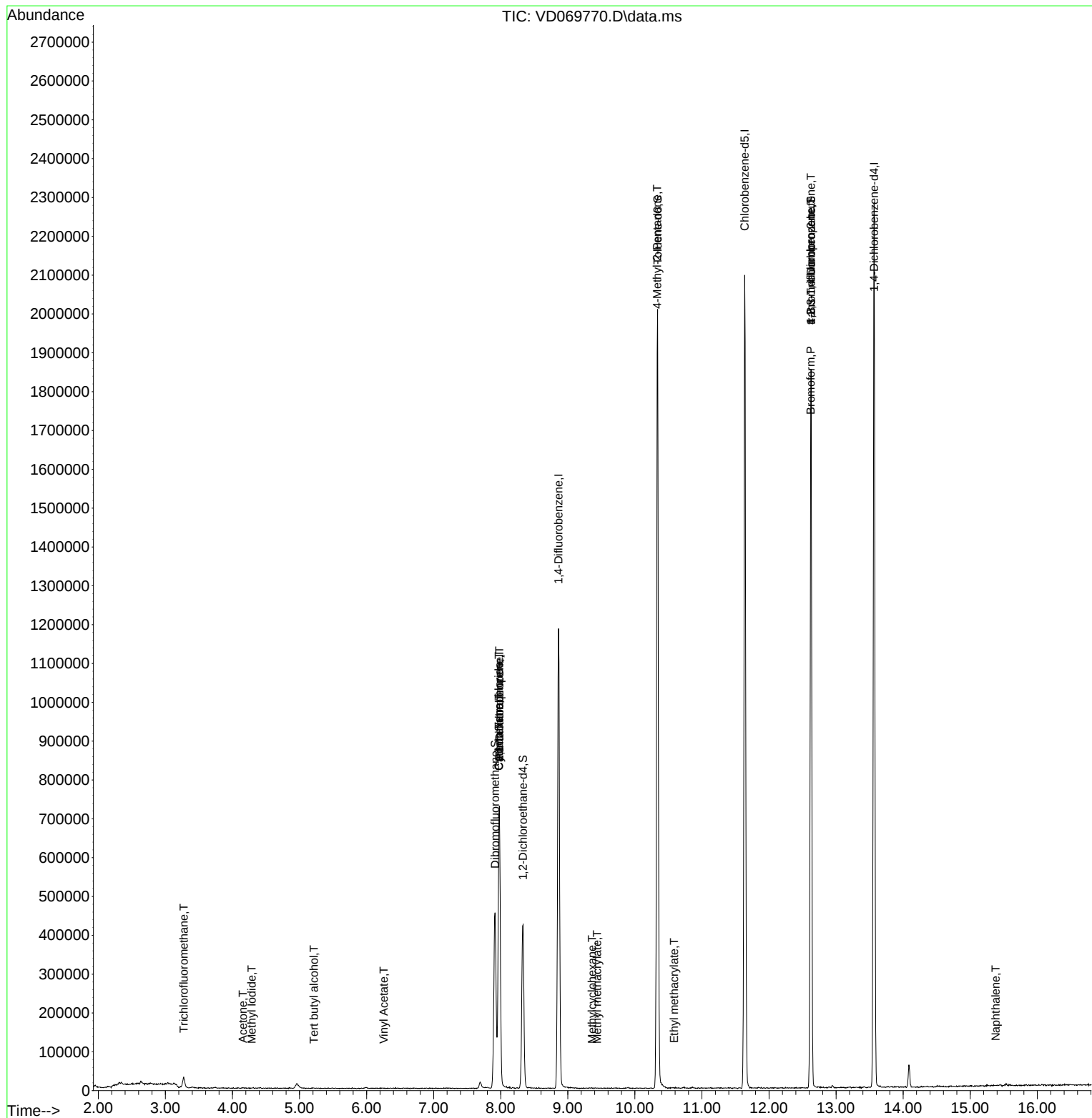
Internal Standards						
1) Pentafluorobenzene	7.979	168	512060	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1005868	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1214896	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	588848	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	333008	52.084	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.160%
35) Dibromofluoromethane	7.914	113	338679	50.188	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.380%
50) Toluene-d8	10.338	98	1362358	51.965	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.940%
62) 4-Bromofluorobenzene	12.626	95	584904	66.896	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	133.800%
Target Compounds						
						Qvalue
3) Chloromethane	2.209	50	1319	Below Cal		93
5) Bromomethane	2.779	94	2636	Below Cal		87
7) Trichlorofluoromethane	3.273	101	25898	2.636	ug/l	96
10) Methyl Iodide	4.285	142	854	2.596	ug/l #	39
11) Tert butyl alcohol	5.215	59	1379	1.614	ug/l #	79
16) Acetone	4.156	43	1301	14.018	ug/l #	79
18) Methyl Acetate	4.732	43	62	Below Cal	#	49
20) Methylene Chloride	4.956	84	9885	Below Cal	#	75
23) Vinyl Acetate	6.256	43	58	15.430	ug/l #	72
31) Cyclohexane	7.973	56	11949	1.494	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	46576	4.488	ug/l #	49
38) Carbon Tetrachloride	7.973	117	55264	5.816	ug/l #	16
39) Methylcyclohexane	9.361	83	372	1.987	ug/l #	30
48) Methyl methacrylate	9.438	41	142	1.140	ug/l #	13
51) 4-Methyl-2-Pentanone	10.332	43	5639	1.515	ug/l #	1
56) Ethyl methacrylate	10.585	69	79	1.676	ug/l #	1
71) Bromoform	12.620	173	4292	1.021	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	291966	51.039	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	291966	137.164	ug/l #	14
95) Naphthalene	15.379	128	911	2.252	ug/l #	69

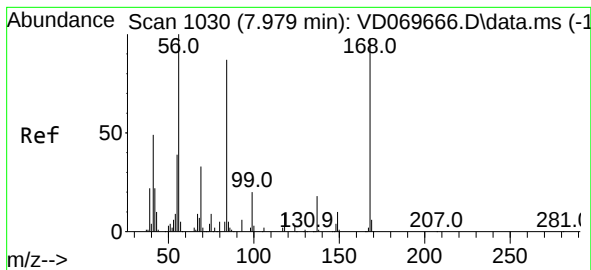
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jul 14 06:00:31 2021
Response via : Initial Calibration

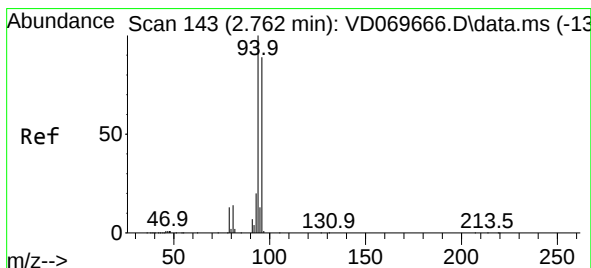
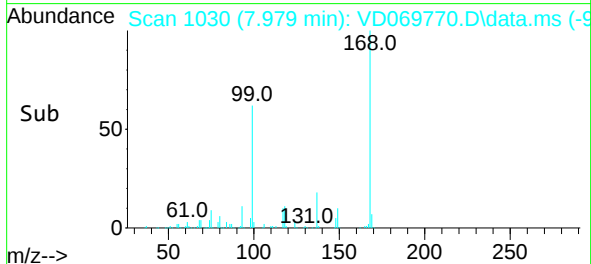
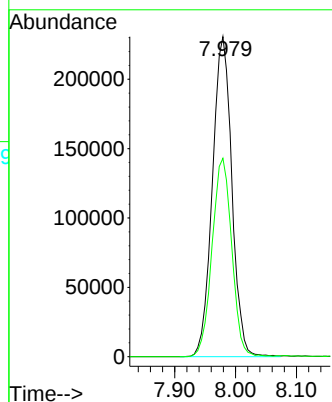
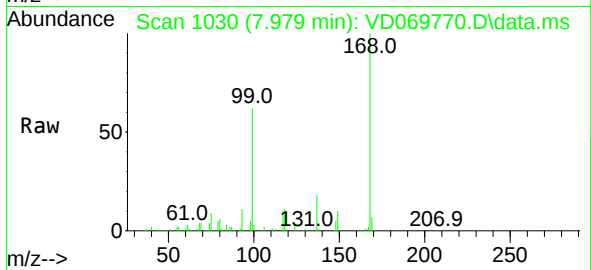




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069770.D
Acq: 20 Jul 2021 15:22

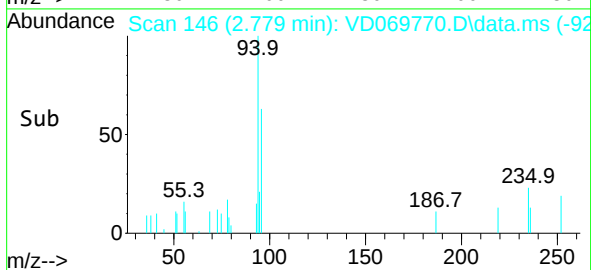
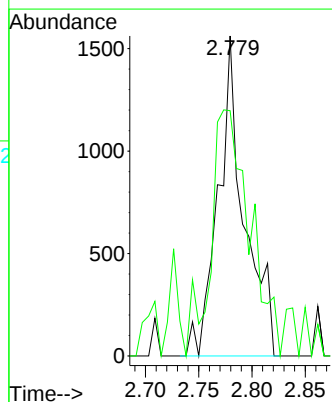
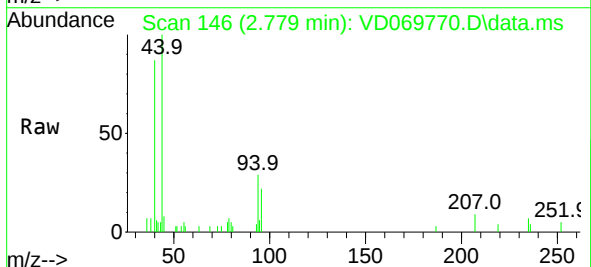
Instrument :
MSVOA_D
ClientSampled :

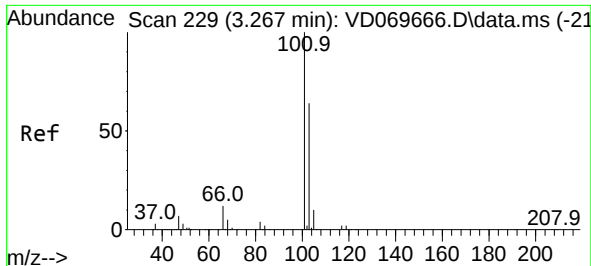
Tgt Ion:168 Resp: 512060
Ion Ratio Lower Upper
168 100
99 62.0 51.8 77.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD069770.D
Acq: 20 Jul 2021 15:22

Tgt Ion: 94 Resp: 2636
Ion Ratio Lower Upper
94 100
96 76.6 71.2 106.8

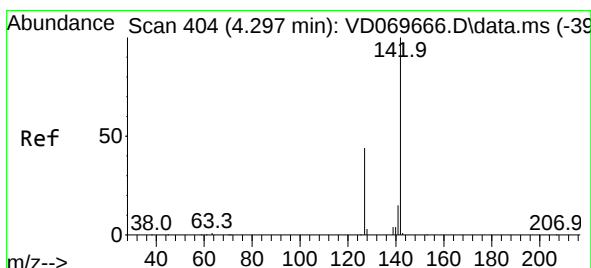
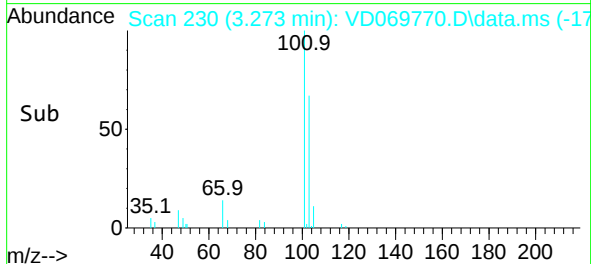
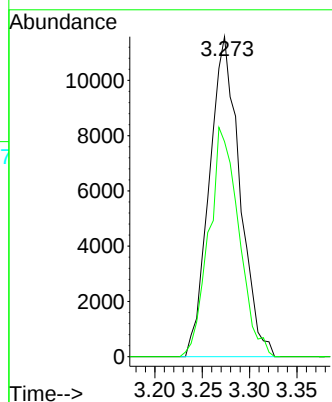
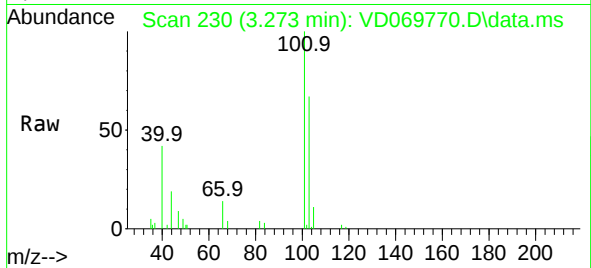




#7
Trichlorofluoromethane
Concen: 2.636 ug/l
RT: 3.273 min Scan# 230
Delta R.T. 0.006 min
Lab File: VD069770.D
Acq: 20 Jul 2021 15:22

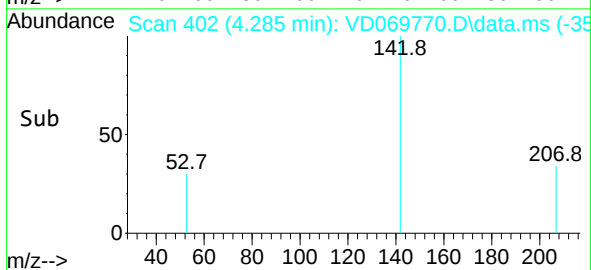
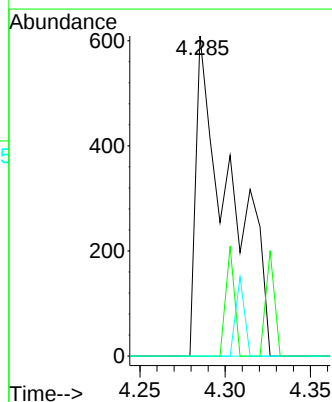
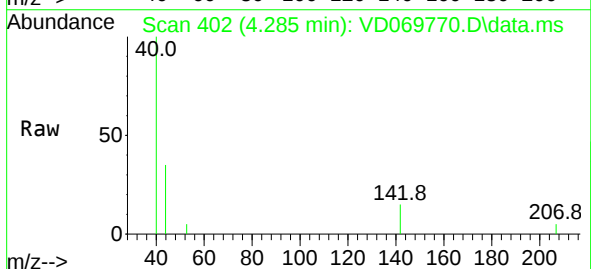
Instrument :
MSVOA_D
ClientSampled :

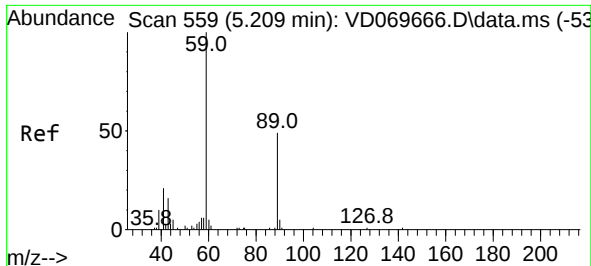
Tgt Ion:101 Resp: 25898
Ion Ratio Lower Upper
101 100
103 67.2 51.4 77.0



#10
Methyl Iodide
Concen: 2.596 ug/l
RT: 4.285 min Scan# 402
Delta R.T. -0.012 min
Lab File: VD069770.D
Acq: 20 Jul 2021 15:22

Tgt Ion:142 Resp: 854
Ion Ratio Lower Upper
142 100
127 0.0 36.1 54.1#
141 0.0 11.6 17.4#

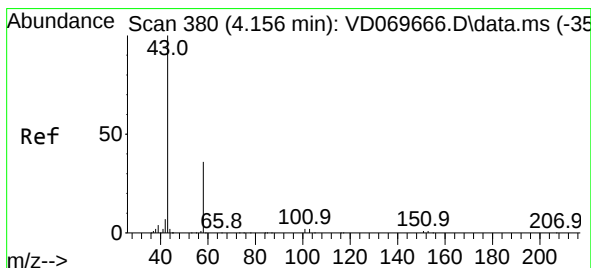
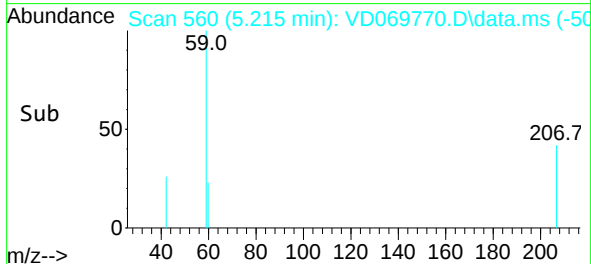
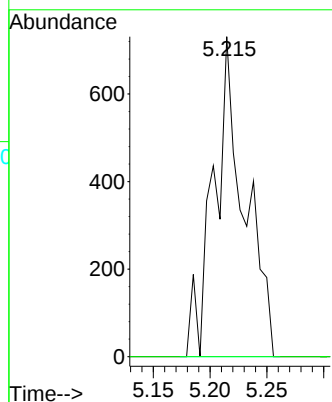
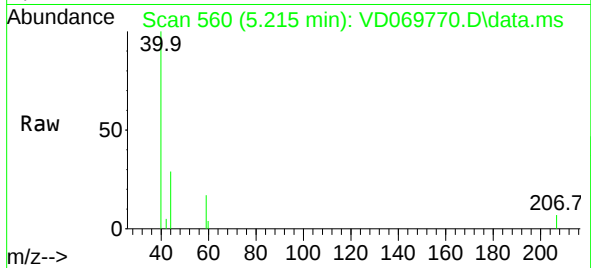




#11
Tert butyl alcohol
Concen: 1.614 ug/l
RT: 5.215 min Scan# 560
Delta R.T. 0.006 min
Lab File: VD069770.D
Acq: 20 Jul 2021 15:22

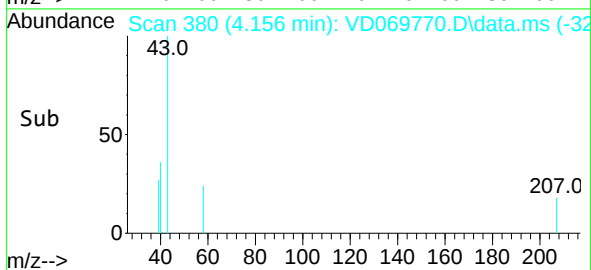
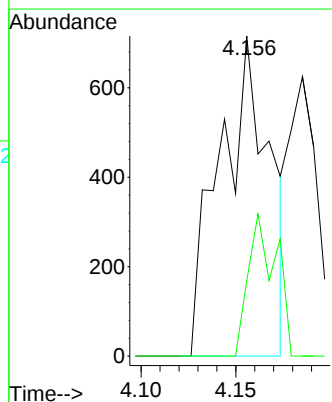
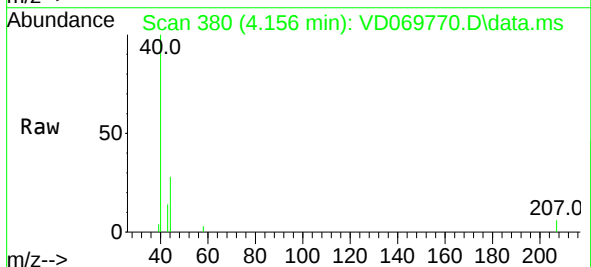
Instrument :
MSVOA_D
ClientSampled :

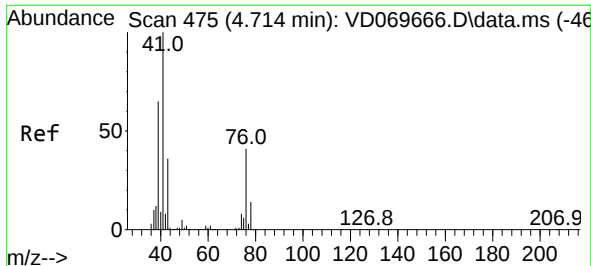
Tgt Ion: 59 Resp: 1379
Ion Ratio Lower Upper
59 100
57 0.0 5.7 8.5#



#16
Acetone
Concen: 14.018 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD069770.D
Acq: 20 Jul 2021 15:22

Tgt Ion: 43 Resp: 1301
Ion Ratio Lower Upper
43 100
58 23.6 28.6 42.8#

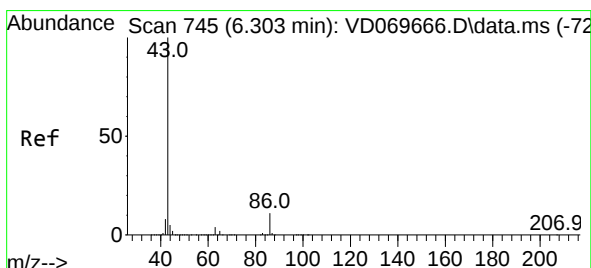
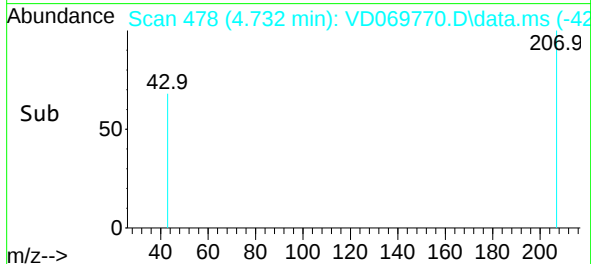
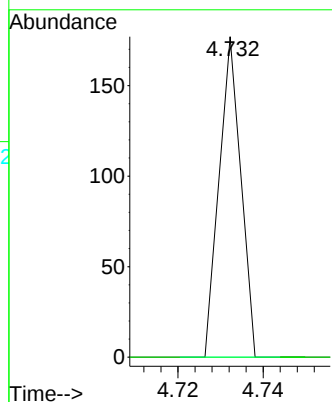
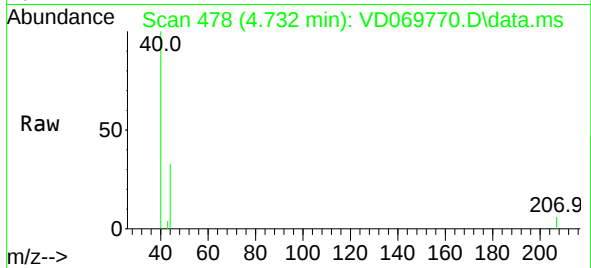




#18
Methyl Acetate
Concen: Below Cal
RT: 4.732 min Scan# 478
Delta R.T. 0.018 min
Lab File: VD069770.D
Acq: 20 Jul 2021 15:22

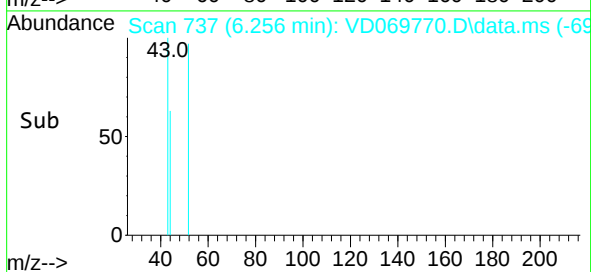
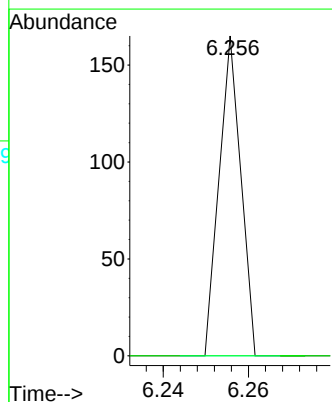
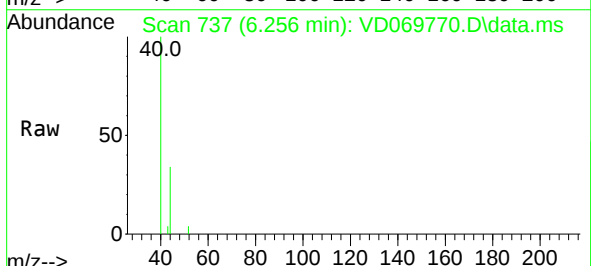
Instrument :
MSVOA_D
ClientSampled :

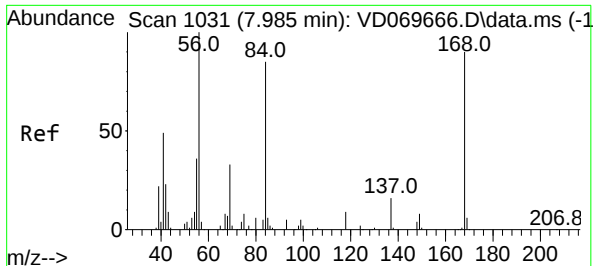
Tgt Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
74 0.0 20.6 30.8#



#23
Vinyl Acetate
Concen: 15.430 ug/l
RT: 6.256 min Scan# 737
Delta R.T. -0.047 min
Lab File: VD069770.D
Acq: 20 Jul 2021 15:22

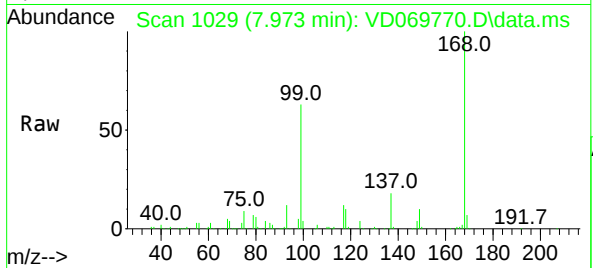
Tgt Ion: 43 Resp: 58
Ion Ratio Lower Upper
43 100
86 0.0 8.6 12.8#



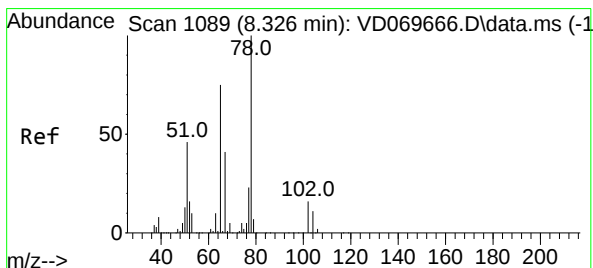
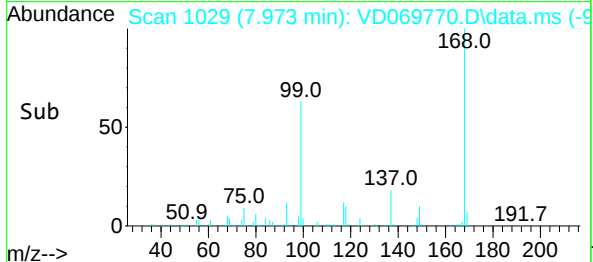
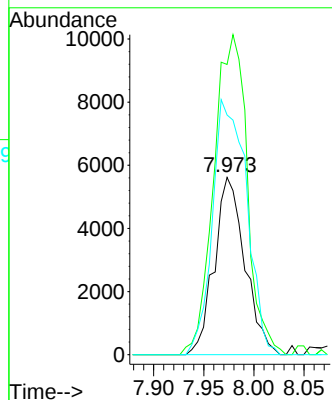


#31
Cyclohexane
Concen: 1.494 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069770.D
Acq: 20 Jul 2021 15:22

Instrument :
MSVOA_D
ClientSampled :

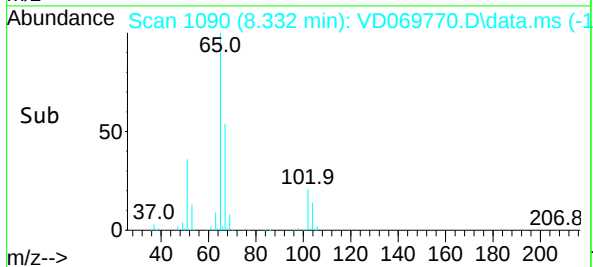
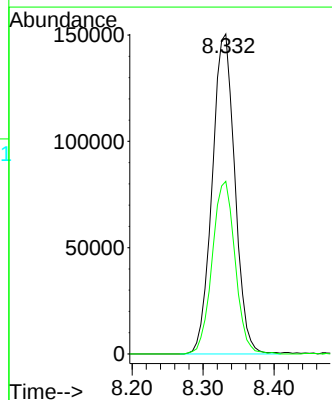
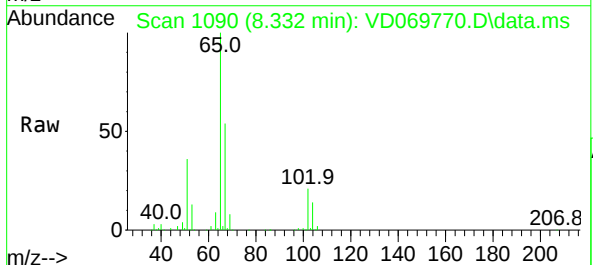


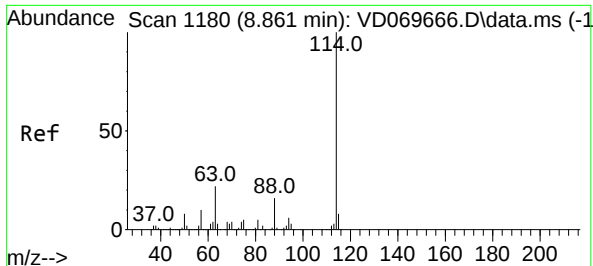
Tgt Ion: 56 Resp: 11949
Ion Ratio Lower Upper
56 100
69 163.7 26.6 39.8#
84 135.1 68.2 102.2#



#33
1,2-Dichloroethane-d4
Concen: 52.084 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD069770.D
Acq: 20 Jul 2021 15:22

Tgt Ion: 65 Resp: 333008
Ion Ratio Lower Upper
65 100
67 54.5 0.0 107.2



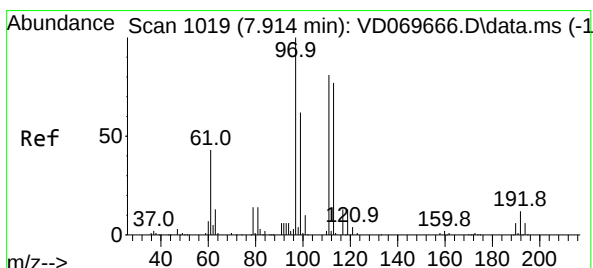
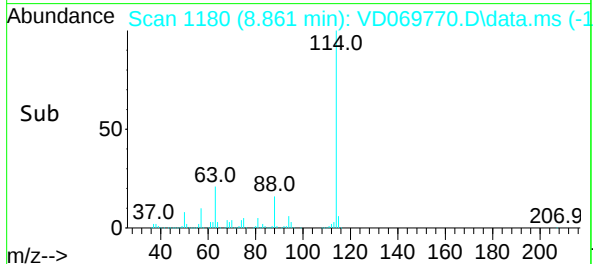
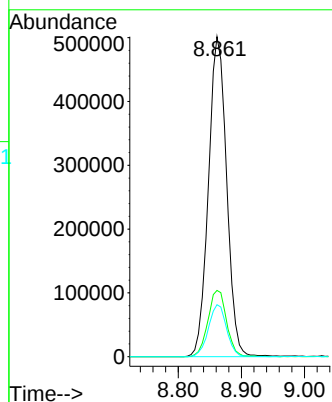
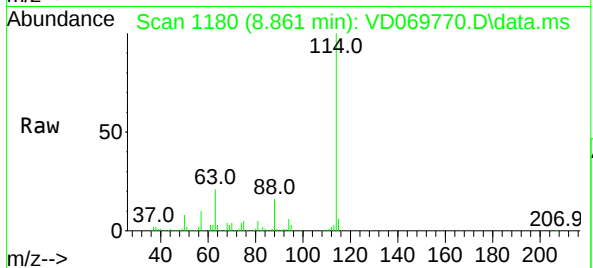


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069770.D
Acq: 20 Jul 2021 15:22

Instrument :
MSVOA_D
ClientSampled :

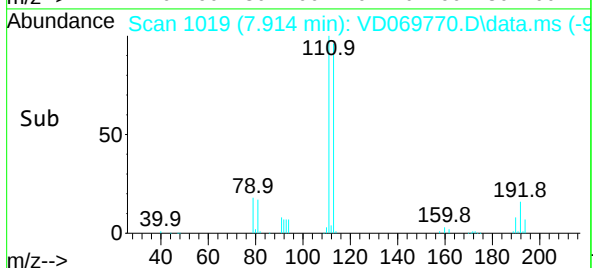
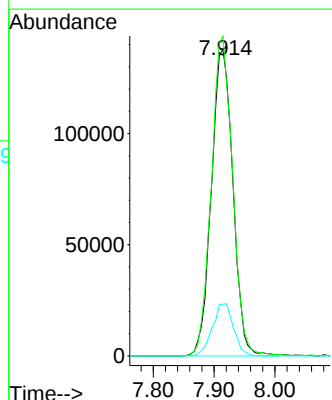
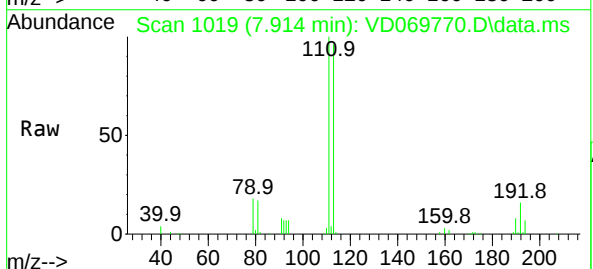
Tgt Ion:114 Resp: 1005868
Ion Ratio Lower Upper
114 100
63 20.7 0.0 43.4
88 16.3 0.0 32.0

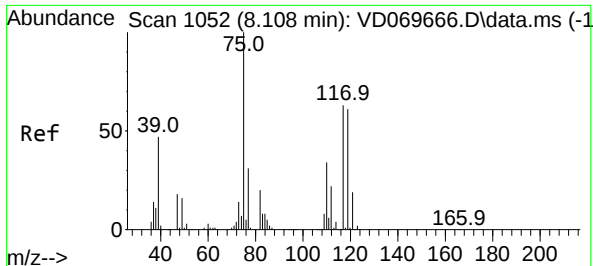


#35

Dibromofluoromethane
Concen: 50.188 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069770.D
Acq: 20 Jul 2021 15:22

Tgt Ion:113 Resp: 338679
Ion Ratio Lower Upper
113 100
111 103.2 82.6 123.8
192 16.8 12.7 19.1

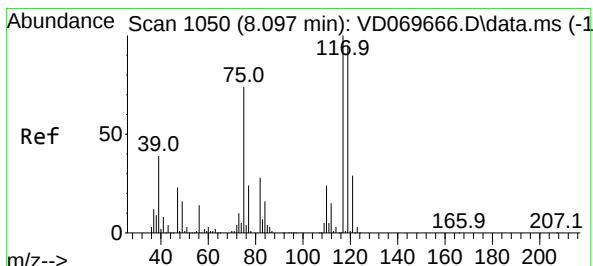
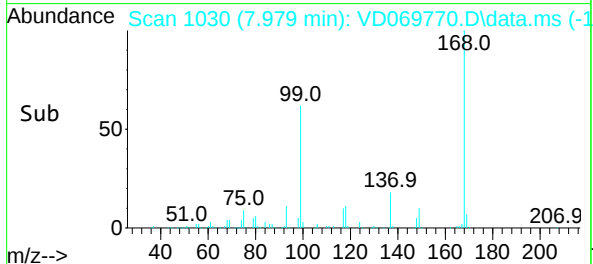
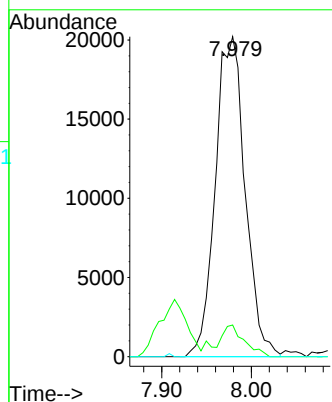
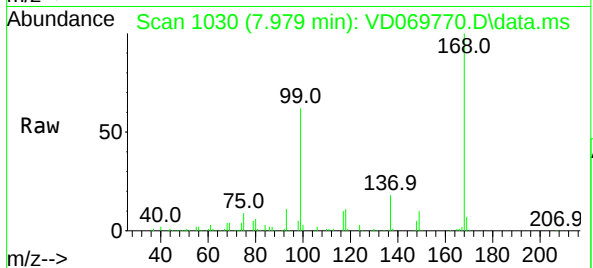




#36
1,1-Dichloropropene
Concen: 4.488 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD069770.D
Acq: 20 Jul 2021 15:22

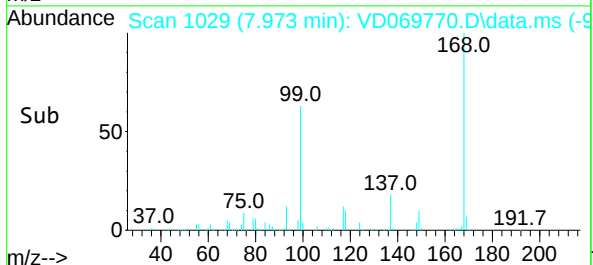
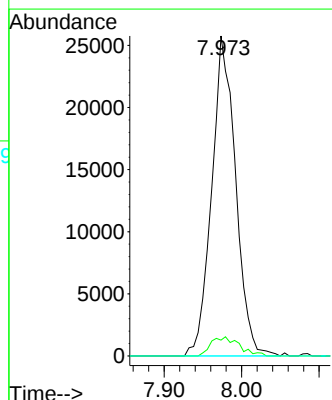
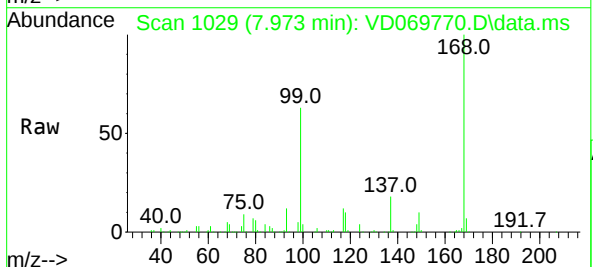
Instrument :
MSVOA_D
ClientSampled :

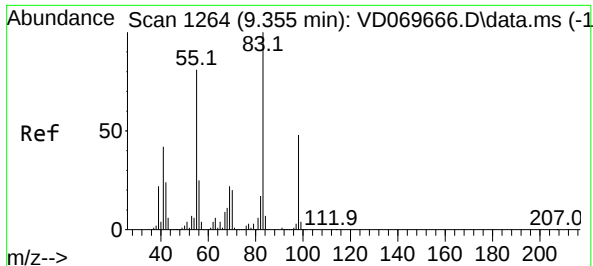
Tgt Ion: 75 Resp: 46576
Ion Ratio Lower Upper
75 100
110 7.2 16.7 50.0#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.816 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD069770.D
Acq: 20 Jul 2021 15:22

Tgt Ion: 117 Resp: 55264
Ion Ratio Lower Upper
117 100
119 5.0 75.7 113.5#
121 0.0 23.0 34.6#





#39

Methylcyclohexane

Concen: 1.987 ug/l

RT: 9.361 min Scan# 1265

Delta R.T. 0.006 min

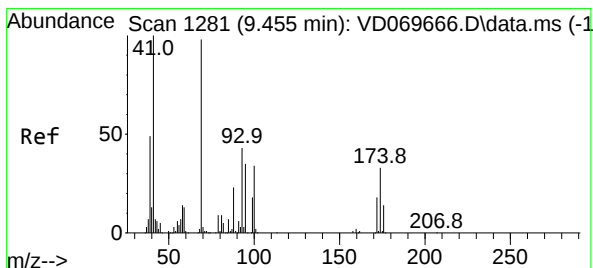
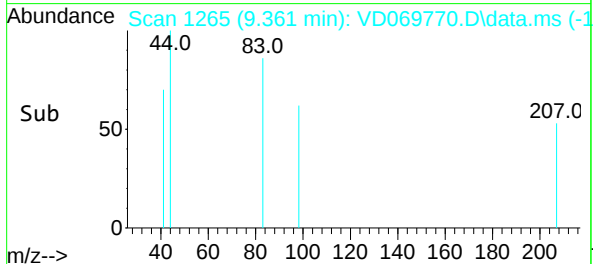
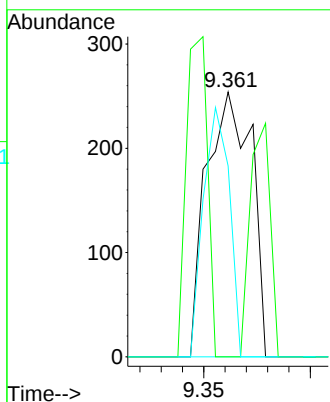
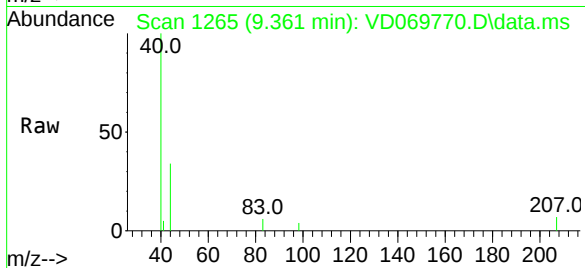
Lab File: VD069770.D

Acq: 20 Jul 2021 15:22

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 83 Resp: 372

Ion	Ratio	Lower	Upper
83	100		
55	0.0	64.6	97.0#
98	72.0	38.4	57.6#



#48

Methyl methacrylate

Concen: 1.140 ug/l

RT: 9.438 min Scan# 1278

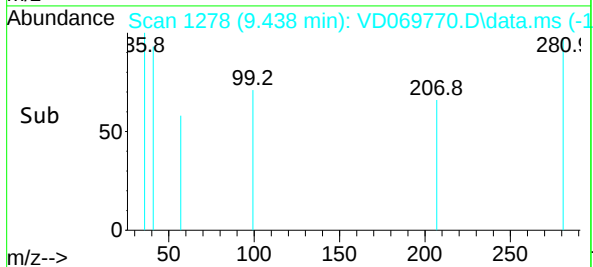
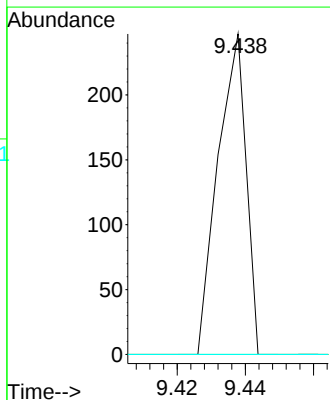
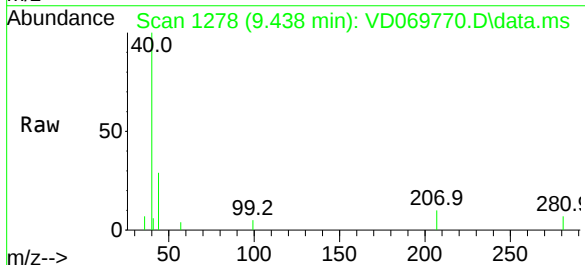
Delta R.T. -0.017 min

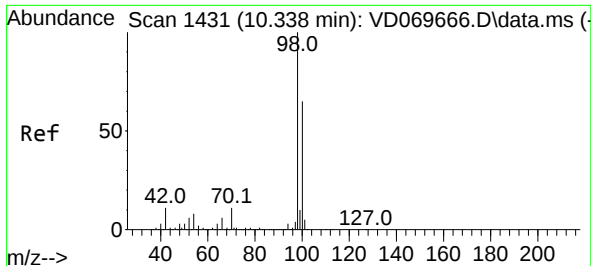
Lab File: VD069770.D

Acq: 20 Jul 2021 15:22

Tgt Ion: 41 Resp: 142

Ion	Ratio	Lower	Upper
41	100		
69	0.0	71.6	107.4#
39	0.0	36.7	55.1#

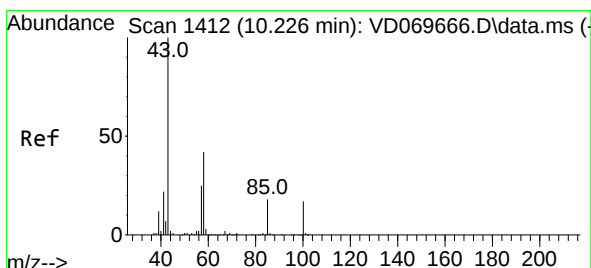
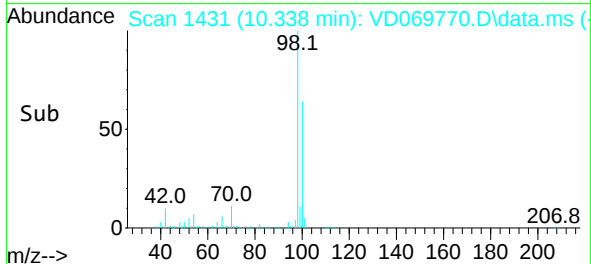
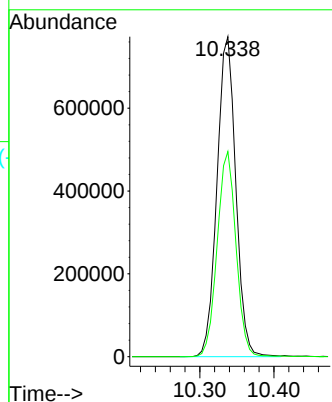
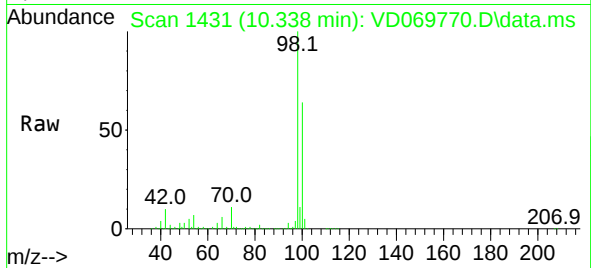




#50
Toluene-d8
Concen: 51.965 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069770.D
Acq: 20 Jul 2021 15:22

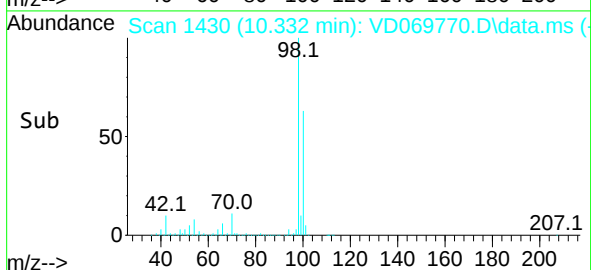
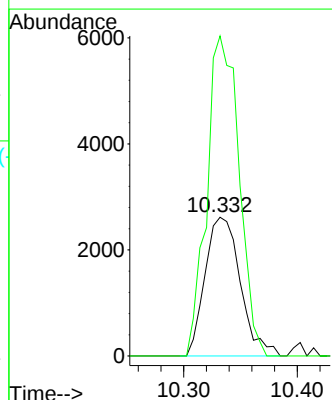
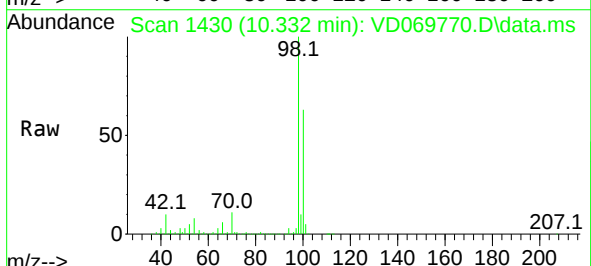
Instrument :
MSVOA_D
ClientSampleId :

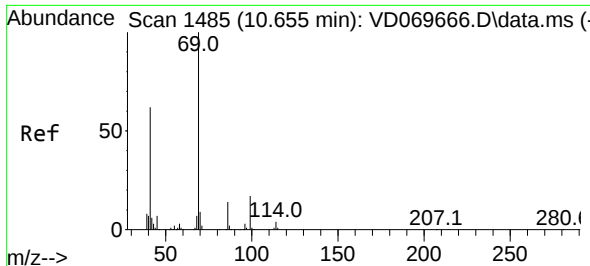
Tgt Ion: 98 Resp: 1362358
Ion Ratio Lower Upper
98 100
100 64.0 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 1.515 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.106 min
Lab File: VD069770.D
Acq: 20 Jul 2021 15:22

Tgt Ion: 43 Resp: 5639
Ion Ratio Lower Upper
43 100
58 210.6 33.5 50.3#

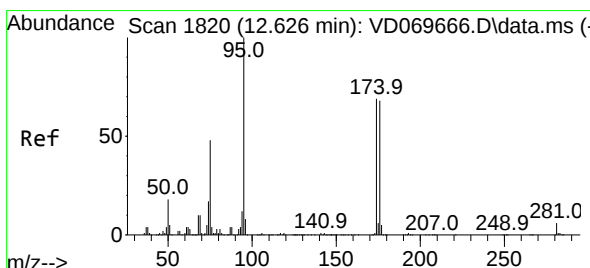
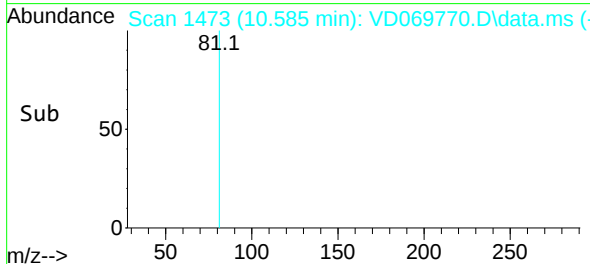
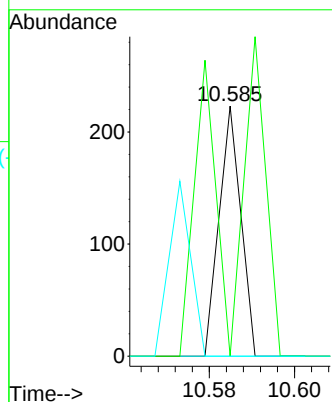
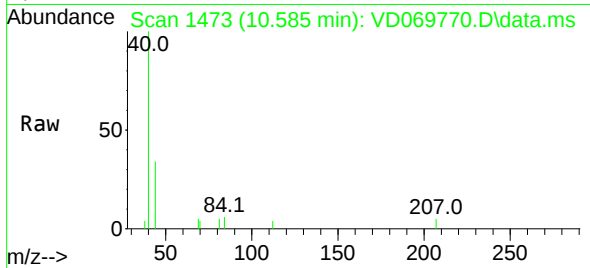




#56
Ethyl methacrylate
Concen: 1.676 ug/l
RT: 10.585 min Scan# 1473
Delta R.T. -0.070 min
Lab File: VD069770.D
Acq: 20 Jul 2021 15:22

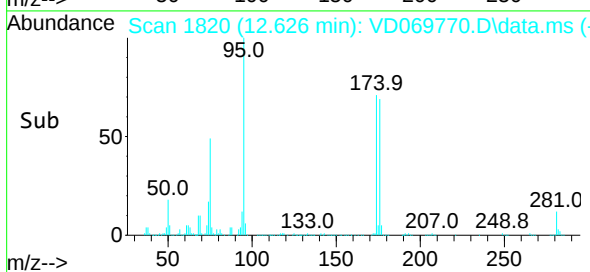
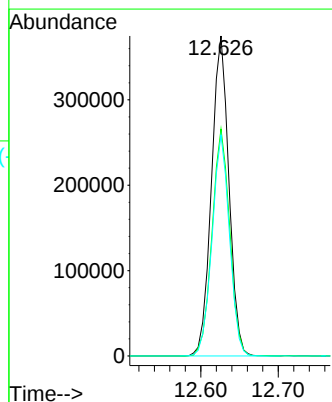
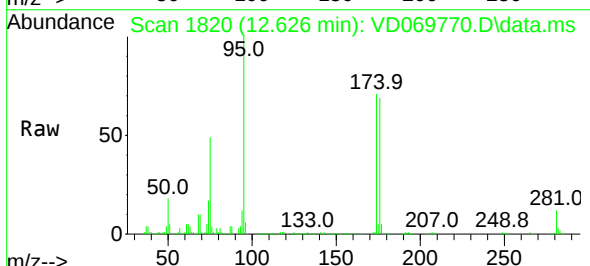
Instrument :
MSVOA_D
ClientSampled :

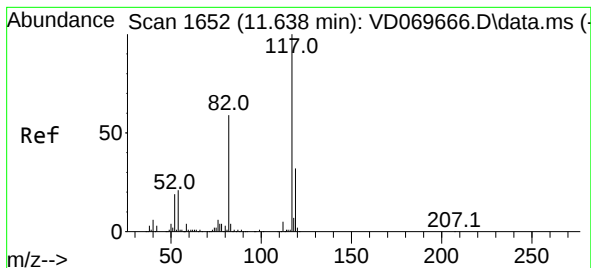
Tgt Ion: 69 Resp: 79
Ion Ratio Lower Upper
69 100
41 245.6 49.5 74.3#
39 69.6 22.5 33.7#



#62
4-Bromofluorobenzene
Concen: 66.896 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069770.D
Acq: 20 Jul 2021 15:22

Tgt Ion: 95 Resp: 584904
Ion Ratio Lower Upper
95 100
174 72.2 0.0 140.0
176 68.9 0.0 136.2

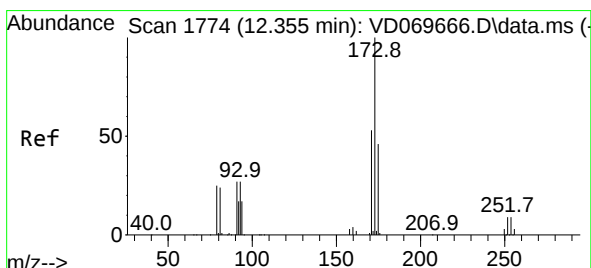
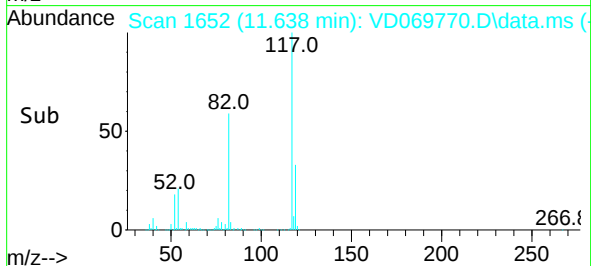
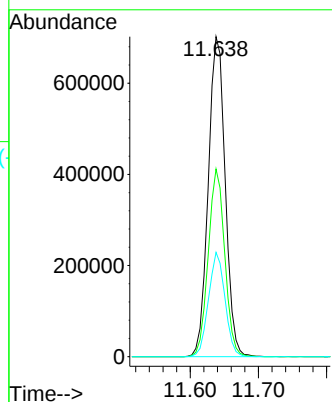
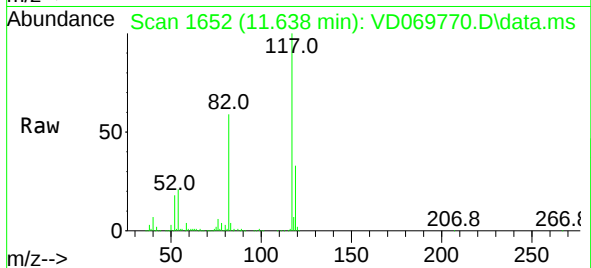




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069770.D
Acq: 20 Jul 2021 15:22

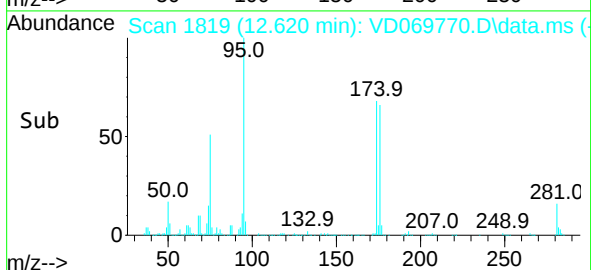
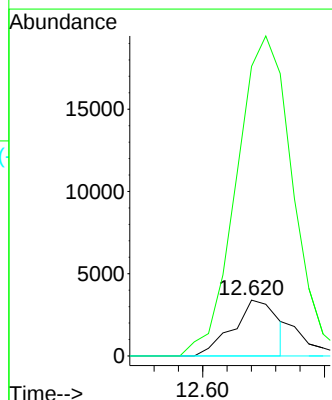
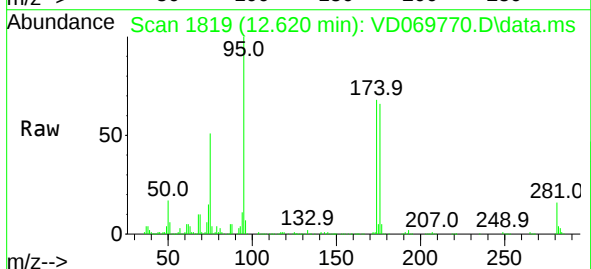
Instrument :
MSVOA_D
ClientSampleId :

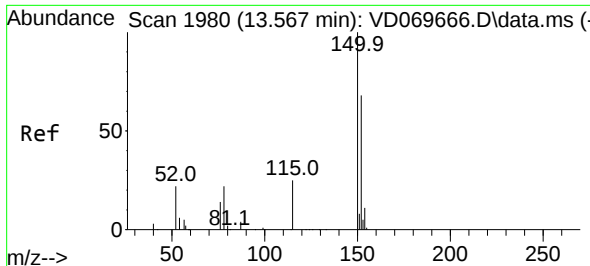
Tgt Ion:117 Resp: 1214896
Ion Ratio Lower Upper
117 100
82 58.7 47.4 71.2
119 32.6 25.5 38.3



#71
Bromoform
Concen: 1.021 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD069770.D
Acq: 20 Jul 2021 15:22

Tgt Ion:173 Resp: 4292
Ion Ratio Lower Upper
173 100
175 596.2 24.2 72.6#
254 0.0 0.1 0.1#

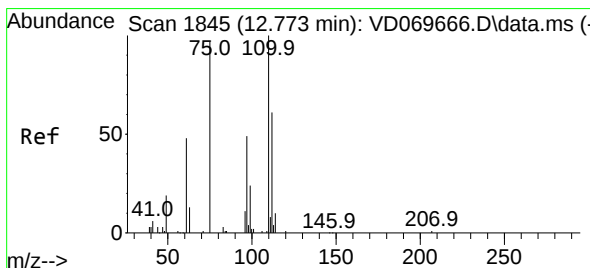
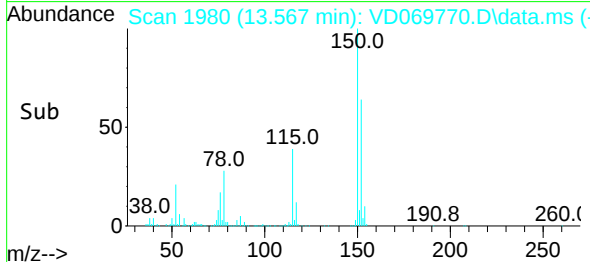
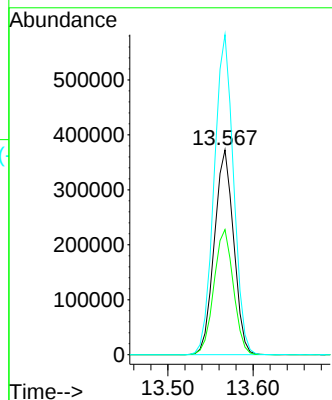
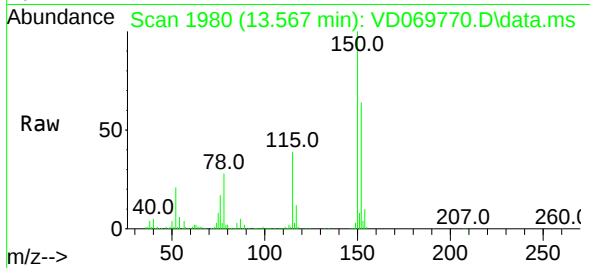




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069770.D
Acq: 20 Jul 2021 15:22

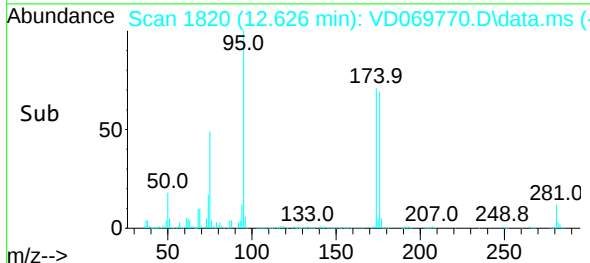
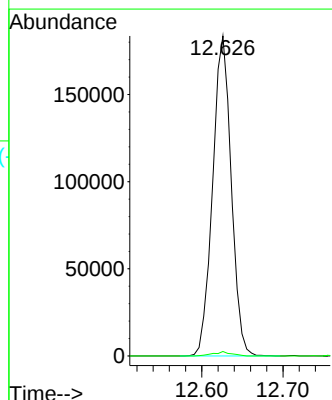
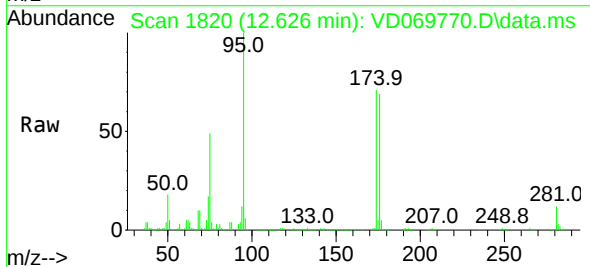
Instrument :
MSVOA_D
ClientSampled :

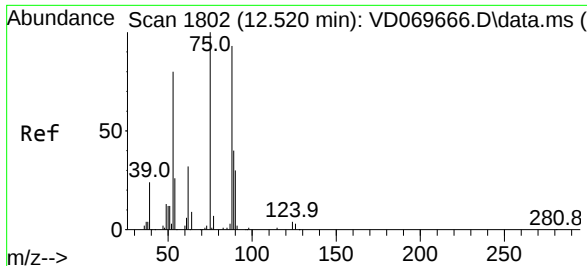
Tgt Ion:152 Resp: 588848
Ion Ratio Lower Upper
152 100
115 61.5 31.7 95.1
150 156.7 0.0 350.4



#76
1,2,3-Trichloropropane
Concen: 51.039 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069770.D
Acq: 20 Jul 2021 15:22

Tgt Ion: 75 Resp: 291966
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#

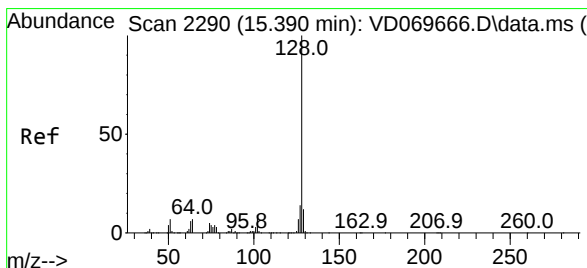
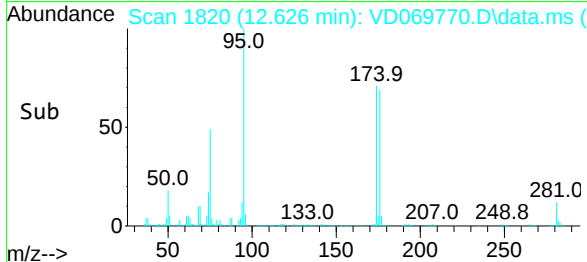
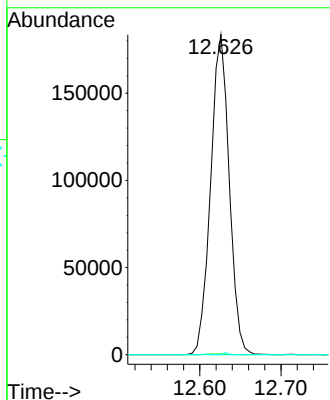
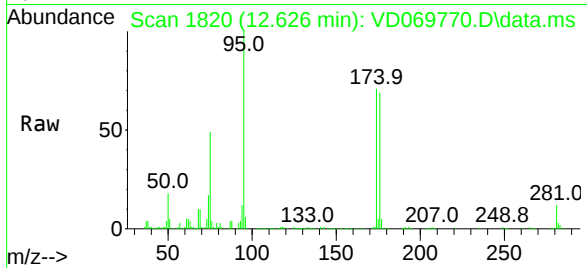




#81
trans-1,4-Dichloro-2-butene
Concen: 137.164 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069770.D
Acq: 20 Jul 2021 15:22

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 291966
Ion Ratio Lower Upper
75 100
53 0.3 70.6 106.0#
89 0.1 35.1 52.7#



#95
Naphthalene
Concen: 2.252 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.011 min
Lab File: VD069770.D
Acq: 20 Jul 2021 15:22

Tgt Ion: 128 Resp: 911
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.8 13.2#

