

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072721\
 Data File : VD069866.D
 Acq On : 27 Jul 2021 15:00
 Operator : VA/SY
 Sample : M3199-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 28 03:58:58 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 23 04:51:13 2021
 Response via : Initial Calibration

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

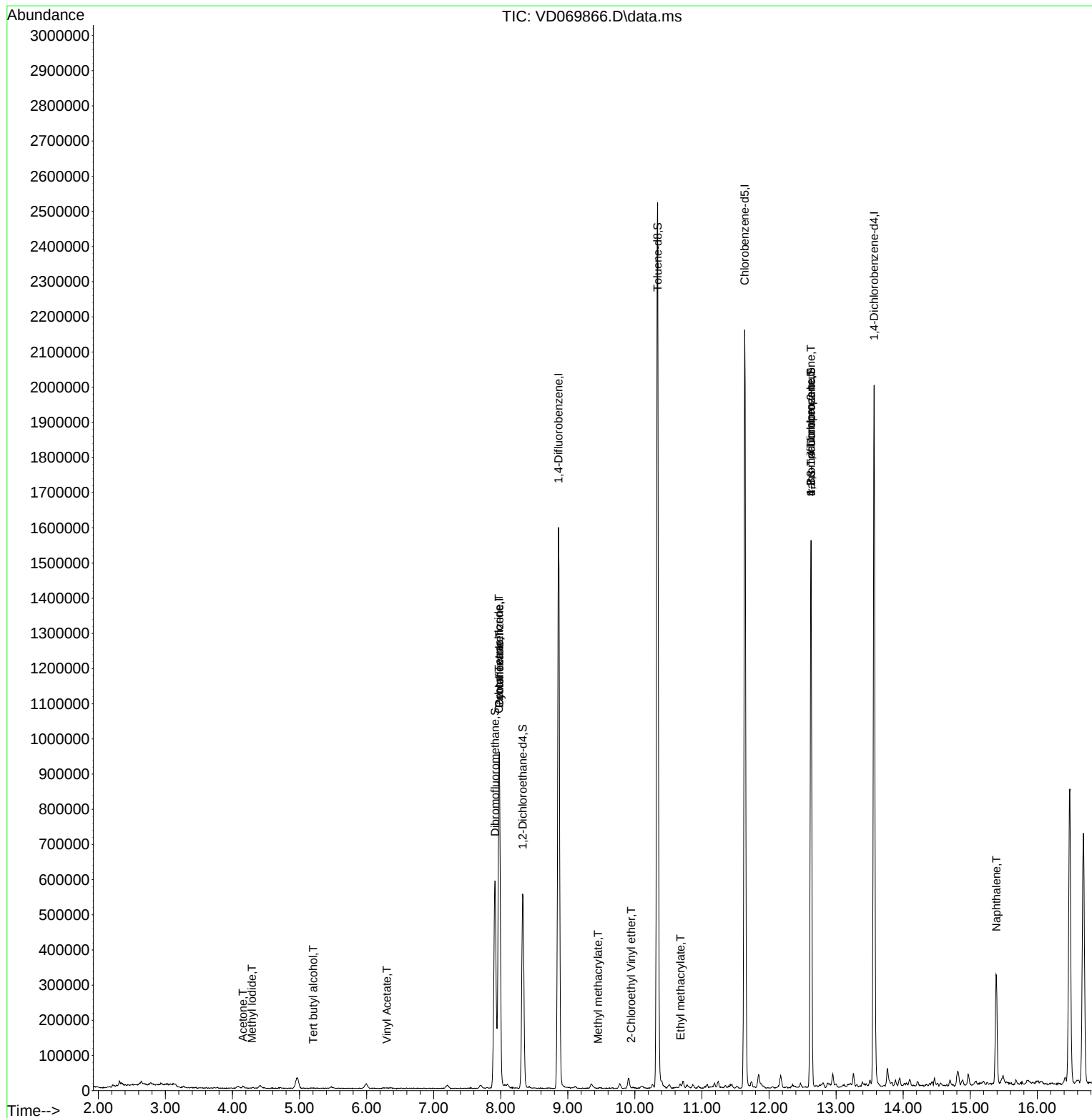
Internal Standards						
1) Pentafluorobenzene	7.979	168	678183	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1354668	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	1244691	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	503781	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	441525	56.608	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.220%			
35) Dibromofluoromethane	7.914	113	431529	50.531	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.060%			
50) Toluene-d8	10.338	98	1739327	52.820	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.640%			
62) 4-Bromofluorobenzene	12.626	95	537722	48.862	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 97.720%			
Target Compounds						Qvalue
5) Bromomethane	2.774	94	4295	Below Cal	#	60
10) Methyl Iodide	4.291	142	1124	3.587	ug/l #	45
11) Tert butyl alcohol	5.203	59	438	1.085	ug/l #	73
16) Acetone	4.156	43	9161	6.502	ug/l	95
20) Methylene Chloride	4.968	84	24889	Below Cal		93
23) Vinyl Acetate	6.303	43	444	20.379	ug/l #	71
31) Cyclohexane	7.979	56	19988	1.312	ug/l #	16
38) Carbon Tetrachloride	7.973	117	73963	5.539	ug/l #	18
48) Methyl methacrylate	9.450	41	576	2.854	ug/l #	25
56) Ethyl methacrylate	10.679	69	1367	4.028	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.944	63	276	20.930	ug/l #	48
76) 1,2,3-Trichloropropane	12.626	75	260434	48.635	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	260434	147.547	ug/l #	16
95) Naphthalene	15.391	128	278453	20.218	ug/l	99

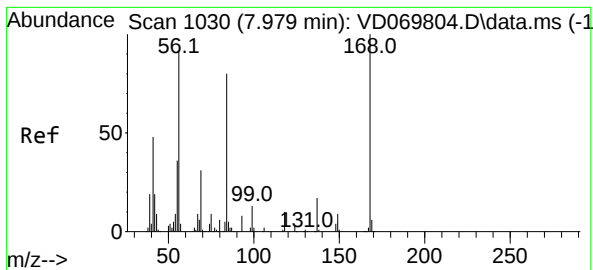
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 28 03:58:58 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D072221S.M
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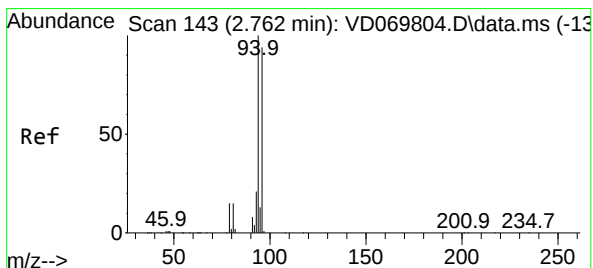
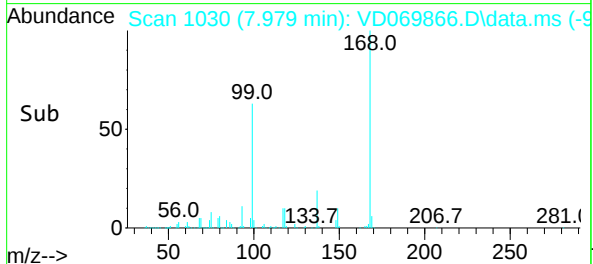
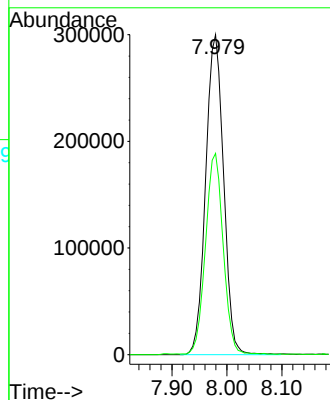
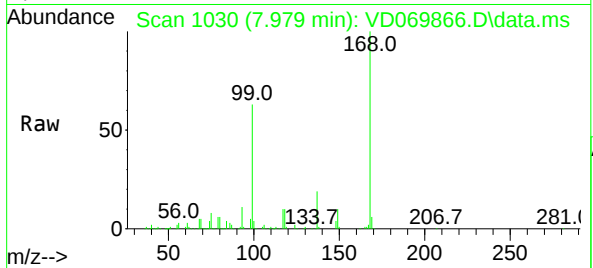




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069866.D
Acq: 27 Jul 2021 15:00

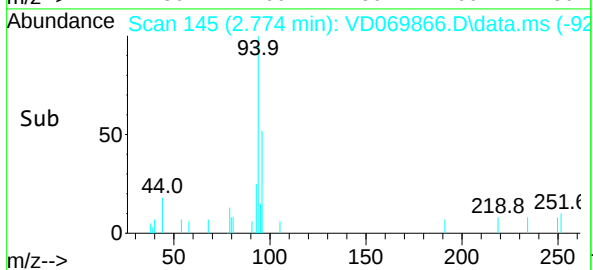
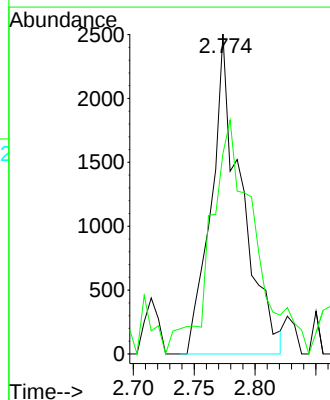
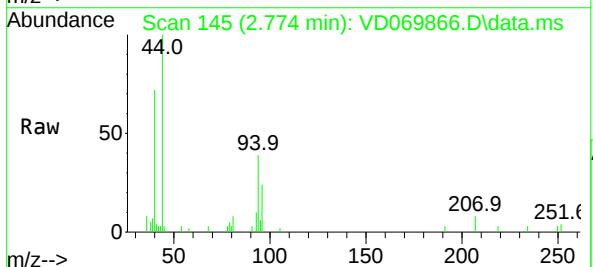
Instrument :
MSVOA_D
ClientSampled :

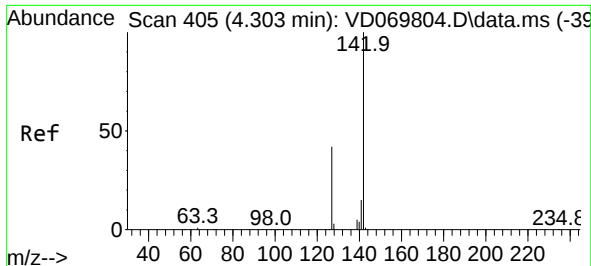
Tgt Ion:168 Resp: 678183
Ion Ratio Lower Upper
168 100
99 62.7 51.1 76.7



#5
Bromomethane
Concen: Below Cal
RT: 2.774 min Scan# 145
Delta R.T. 0.012 min
Lab File: VD069866.D
Acq: 27 Jul 2021 15:00

Tgt Ion: 94 Resp: 4295
Ion Ratio Lower Upper
94 100
96 54.7 74.8 112.2#

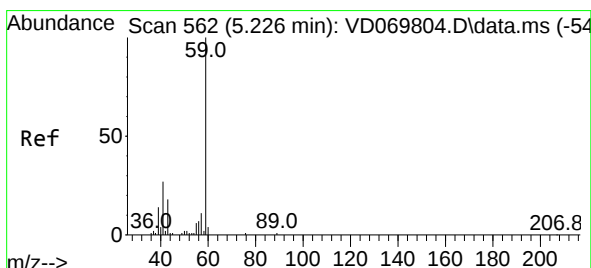
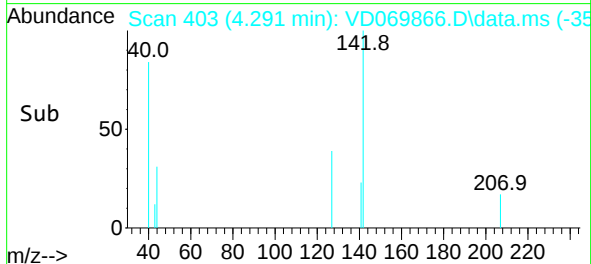
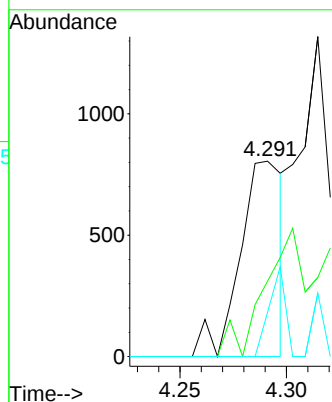
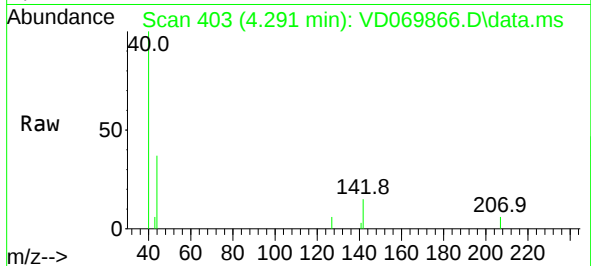




#10
Methyl Iodide
Concen: 3.587 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD069866.D
Acq: 27 Jul 2021 15:00

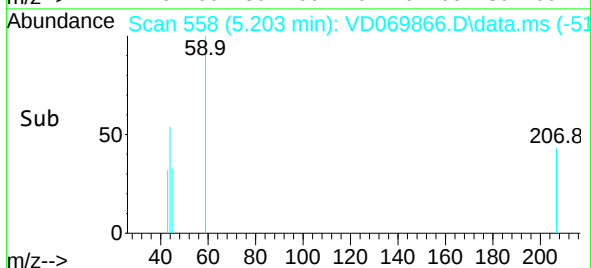
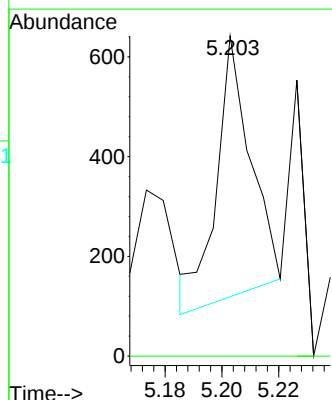
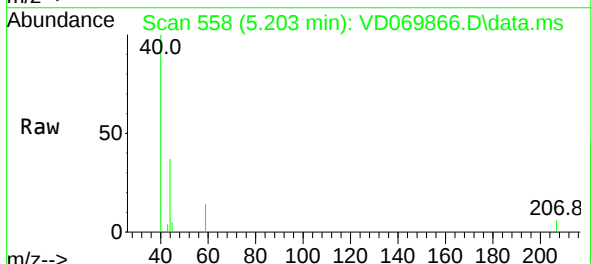
Instrument :
MSVOA_D
ClientSampled :

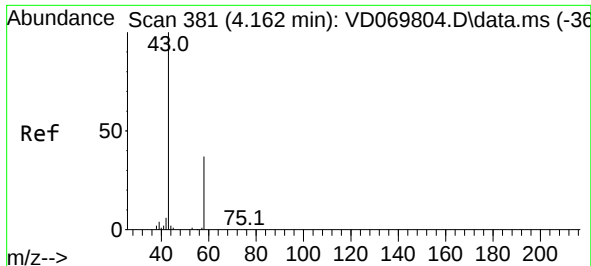
Tgt Ion:142 Resp: 1124
Ion Ratio Lower Upper
142 100
127 91.6 35.7 53.5#
141 17.3 12.0 18.0



#11
Tert butyl alcohol
Concen: 1.085 ug/l
RT: 5.203 min Scan# 558
Delta R.T. -0.023 min
Lab File: VD069866.D
Acq: 27 Jul 2021 15:00

Tgt Ion: 59 Resp: 438
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

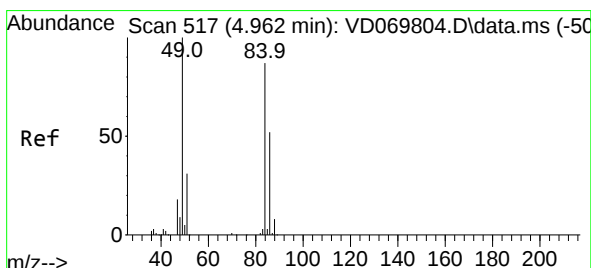
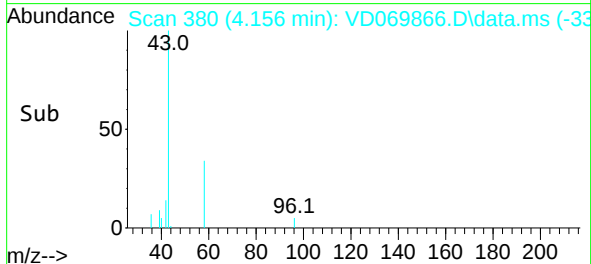
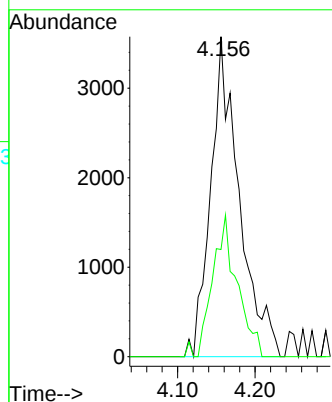
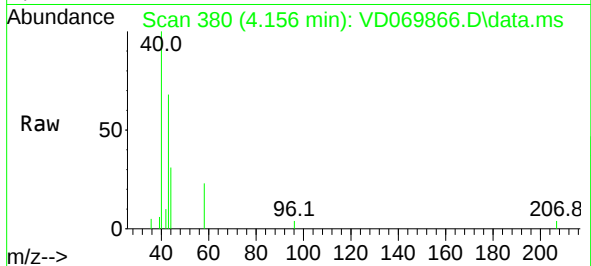




#16
Acetone
Concen: 6.502 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069866.D
Acq: 27 Jul 2021 15:00

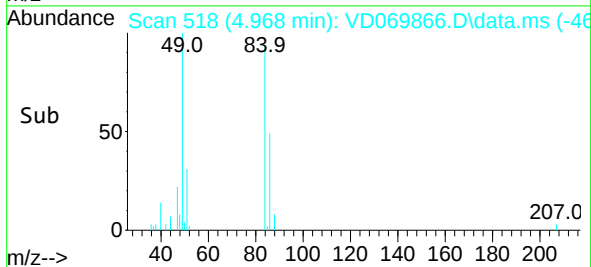
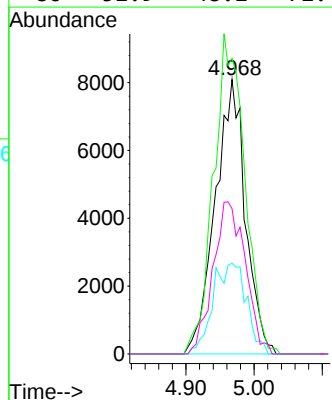
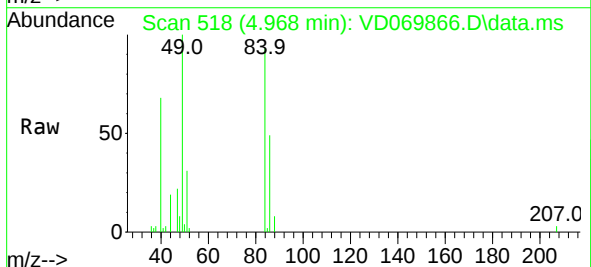
Instrument :
MSVOA_D
ClientSampleId :

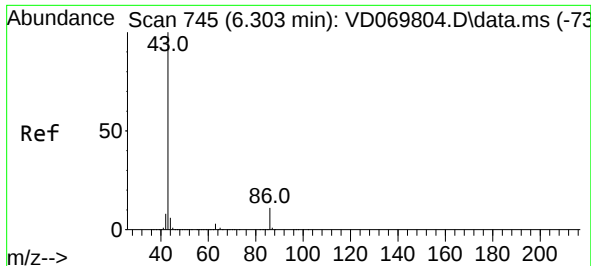
Tgt Ion: 43 Resp: 9161
Ion Ratio Lower Upper
43 100
58 33.5 29.4 44.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 518
Delta R.T. 0.006 min
Lab File: VD069866.D
Acq: 27 Jul 2021 15:00

Tgt Ion: 84 Resp: 24889
Ion Ratio Lower Upper
84 100
49 107.7 92.4 138.6
51 33.0 28.5 42.7
86 52.9 48.2 72.4

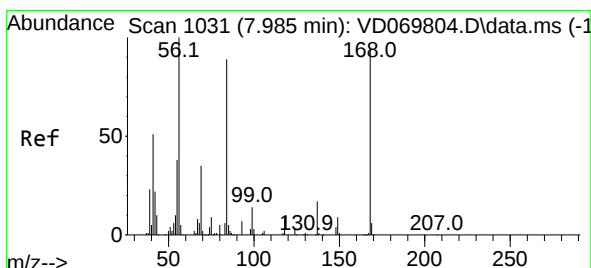
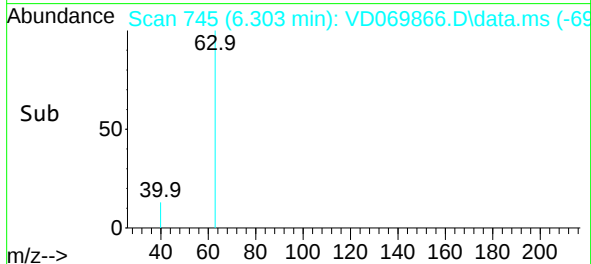
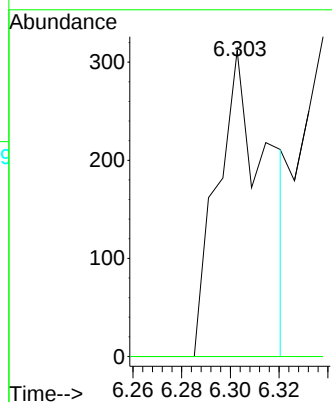
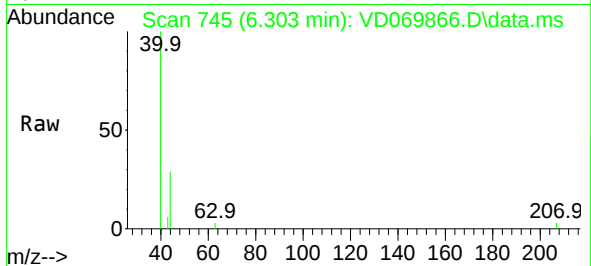




#23
 Vinyl Acetate
 Concen: 20.379 ug/l
 RT: 6.303 min Scan# 745
 Delta R.T. -0.000 min
 Lab File: VD069866.D
 Acq: 27 Jul 2021 15:00

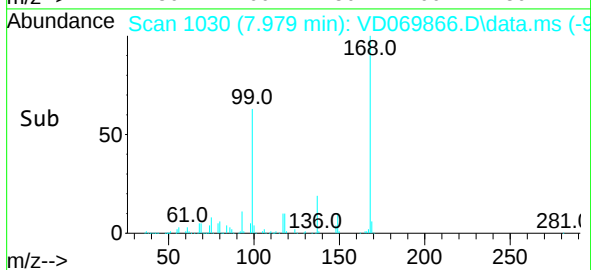
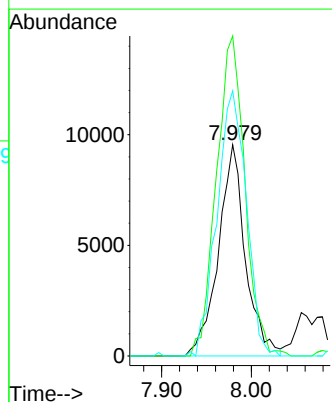
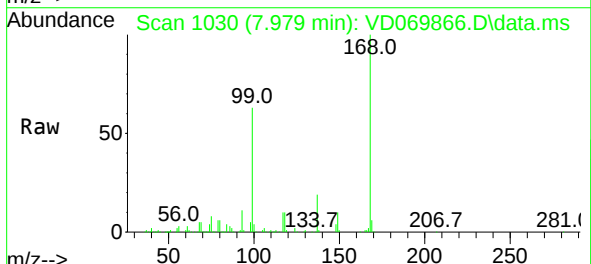
Instrument :
 MSVOA_D
 ClientSampled :

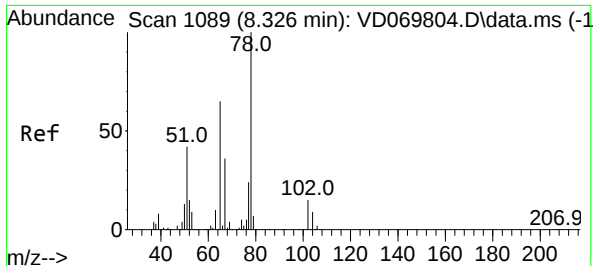
Tgt Ion: 43 Resp: 444
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#31
 Cyclohexane
 Concen: 1.312 ug/l
 RT: 7.979 min Scan# 1030
 Delta R.T. -0.006 min
 Lab File: VD069866.D
 Acq: 27 Jul 2021 15:00

Tgt Ion: 56 Resp: 19988
 Ion Ratio Lower Upper
 56 100
 69 151.6 27.9 41.9#
 84 125.6 71.4 107.2#

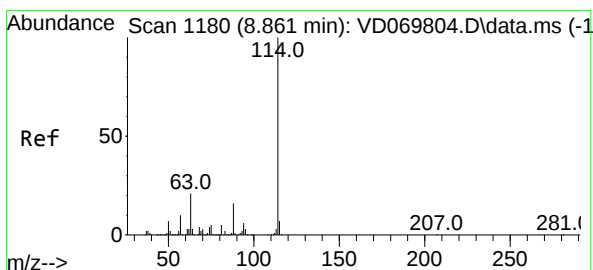
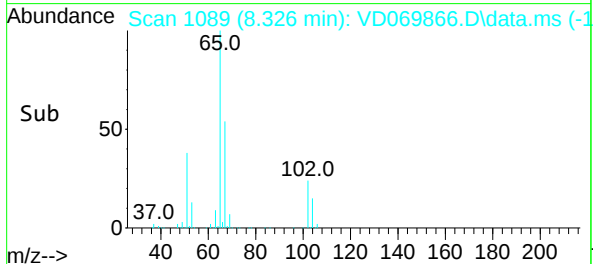
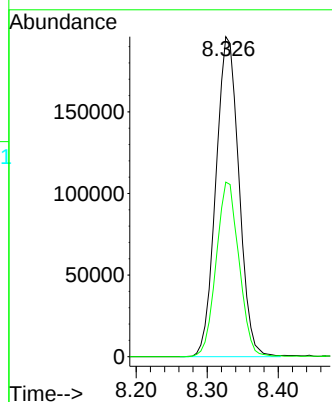
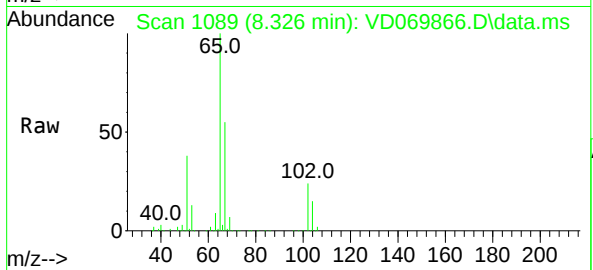




#33
1,2-Dichloroethane-d4
Concen: 56.608 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD069866.D
Acq: 27 Jul 2021 15:00

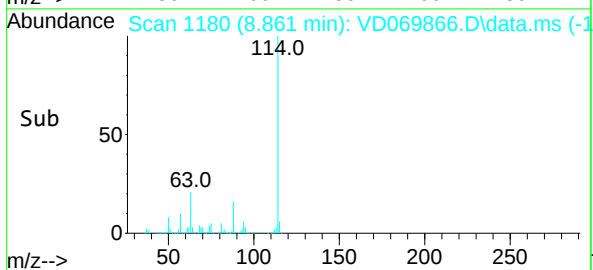
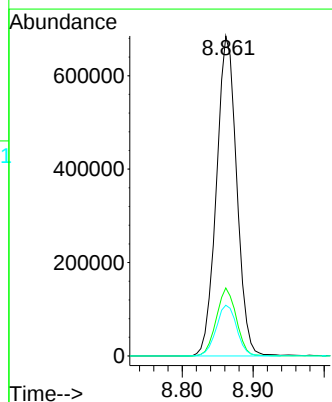
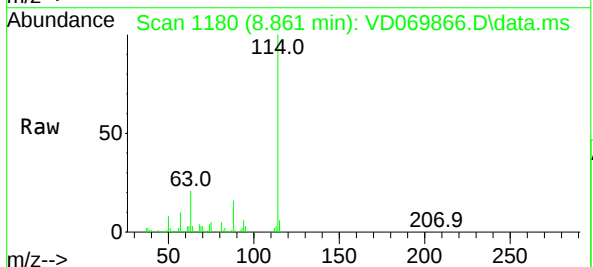
Instrument :
MSVOA_D
ClientSampled :

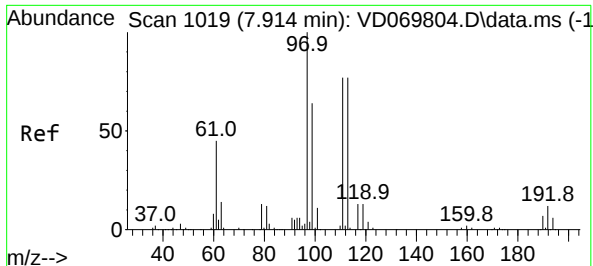
Tgt Ion: 65 Resp: 441525
Ion Ratio Lower Upper
65 100
67 54.1 0.0 111.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD069866.D
Acq: 27 Jul 2021 15:00

Tgt Ion: 114 Resp: 1354668
Ion Ratio Lower Upper
114 100
63 21.2 0.0 41.6
88 15.8 0.0 31.4

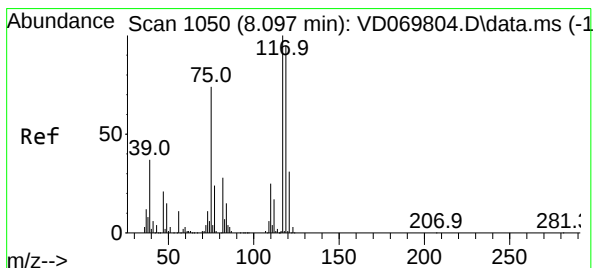
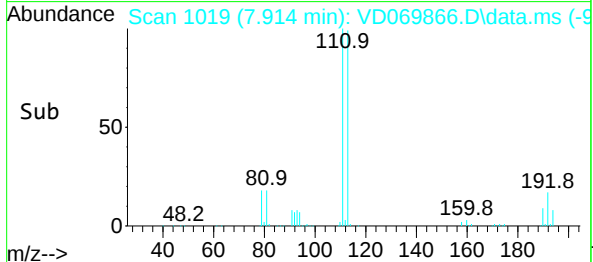
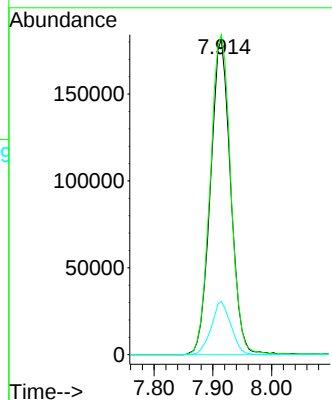
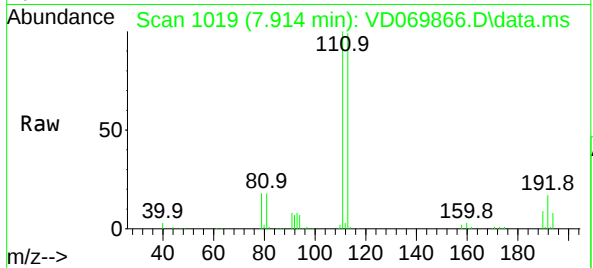




#35
Dibromofluoromethane
Concen: 50.531 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD069866.D
Acq: 27 Jul 2021 15:00

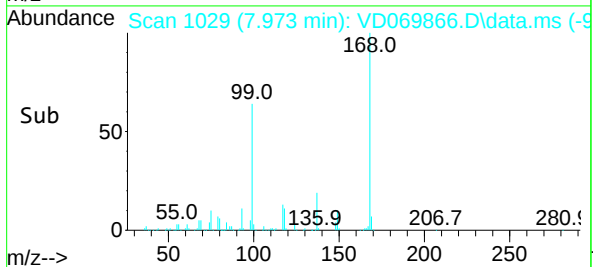
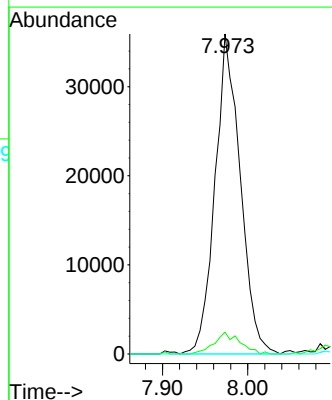
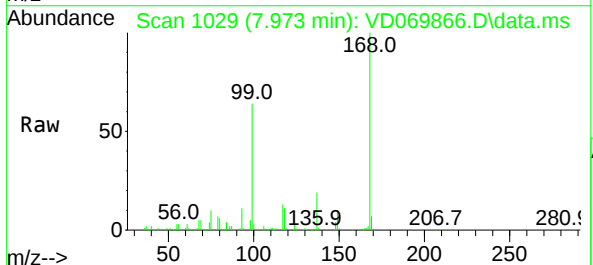
Instrument :
MSVOA_D
ClientSampled :

Tgt Ion:113 Resp: 431529
Ion Ratio Lower Upper
113 100
111 103.8 80.5 120.7
192 16.4 12.6 19.0



#38
Carbon Tetrachloride
Concen: 5.539 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.123 min
Lab File: VD069866.D
Acq: 27 Jul 2021 15:00

Tgt Ion:117 Resp: 73963
Ion Ratio Lower Upper
117 100
119 6.8 76.2 114.2#
121 0.0 24.5 36.7#

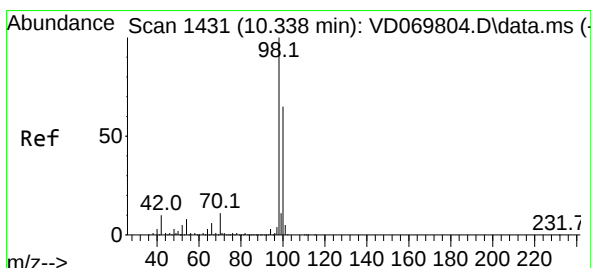
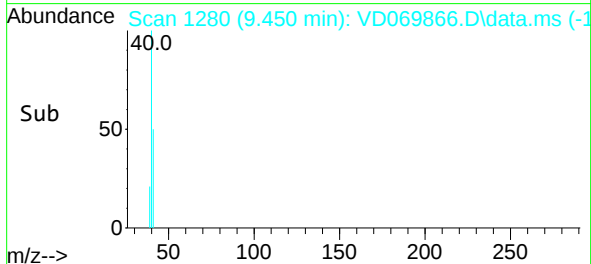
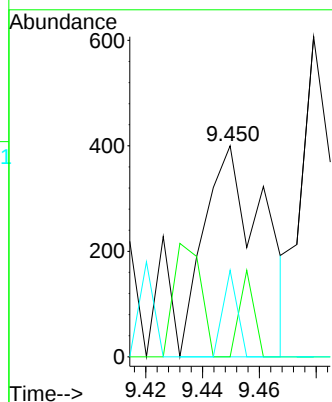
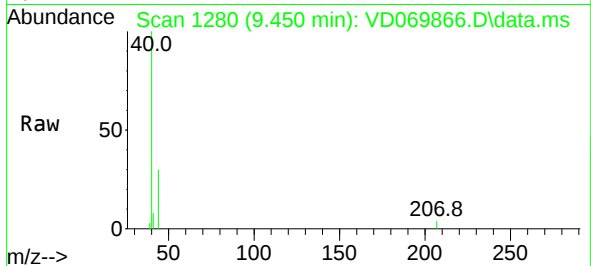




#48
Methyl methacrylate
Concen: 2.854 ug/l
RT: 9.450 min Scan# 1280
Delta R.T. -0.000 min
Lab File: VD069866.D
Acq: 27 Jul 2021 15:00

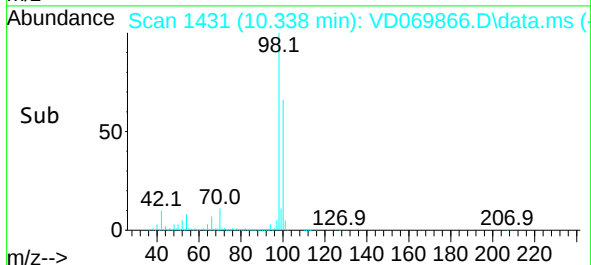
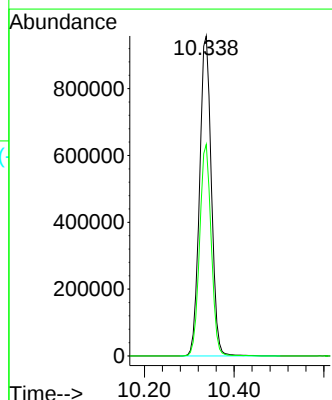
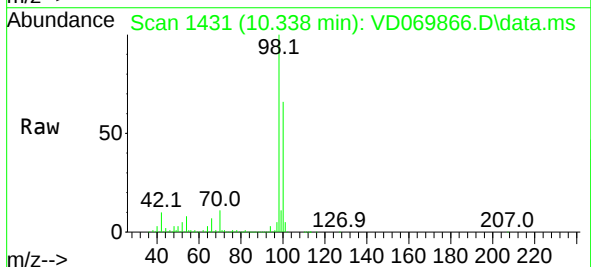
Instrument :
MSVOA_D
ClientSampled :

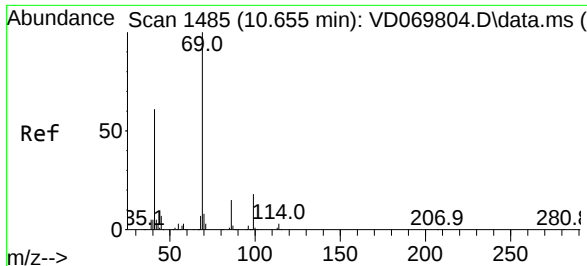
Tgt Ion: 41 Resp: 576
Ion Ratio Lower Upper
41 100
69 10.1 73.4 110.2#
39 10.1 36.6 55.0#



#50
Toluene-d8
Concen: 52.820 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069866.D
Acq: 27 Jul 2021 15:00

Tgt Ion: 98 Resp: 1739327
Ion Ratio Lower Upper
98 100
100 65.1 51.9 77.9

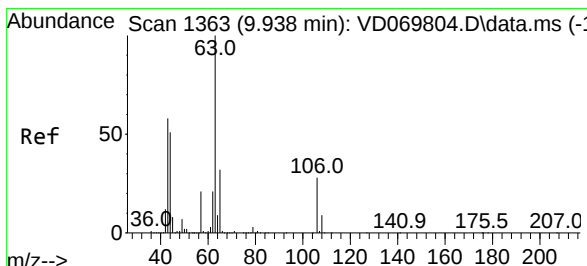
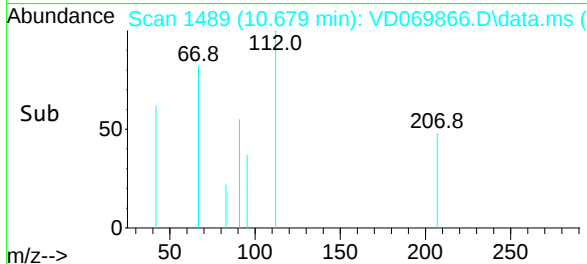
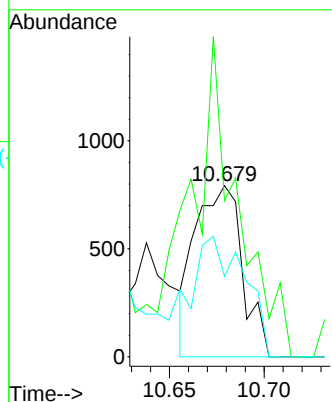
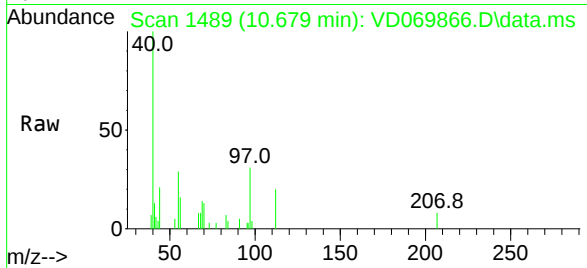




#56
Ethyl methacrylate
Concen: 4.028 ug/l
RT: 10.679 min Scan# 1489
Delta R.T. 0.024 min
Lab File: VD069866.D
Acq: 27 Jul 2021 15:00

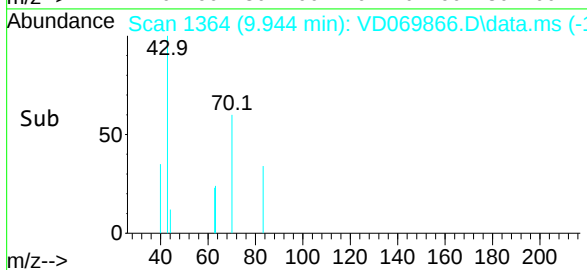
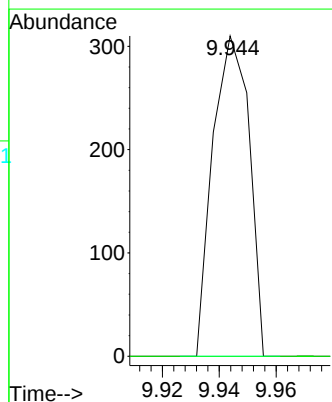
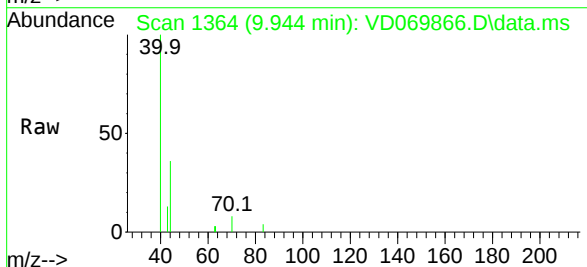
Instrument :
MSVOA_D
ClientSampled :

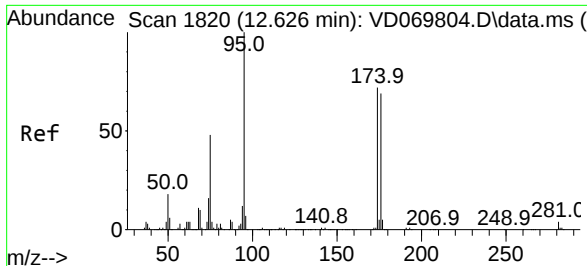
Tgt Ion: 69 Resp: 1367
Ion Ratio Lower Upper
69 100
41 181.1 50.2 75.2#
39 80.4 22.0 33.0#



#58
2-Chloroethyl Vinyl ether
Concen: 20.930 ug/l
RT: 9.944 min Scan# 1364
Delta R.T. 0.006 min
Lab File: VD069866.D
Acq: 27 Jul 2021 15:00

Tgt Ion: 63 Resp: 276
Ion Ratio Lower Upper
63 100
106 0.0 21.8 32.6#

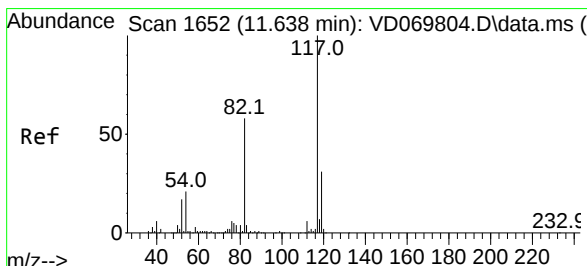
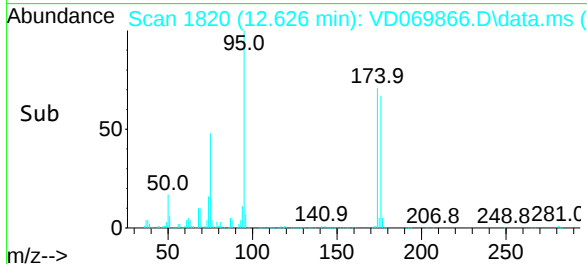
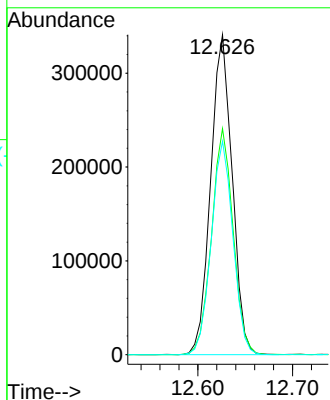
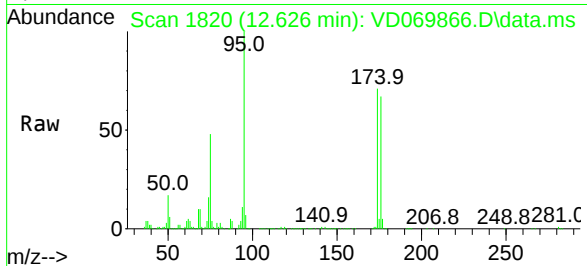




#62
4-Bromofluorobenzene
Concen: 48.862 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069866.D
Acq: 27 Jul 2021 15:00

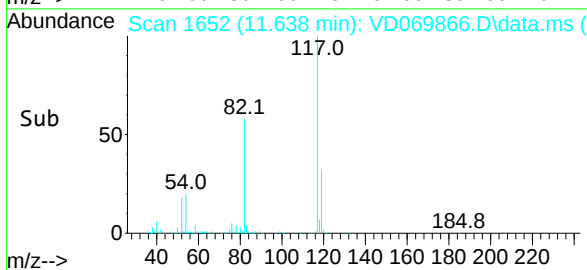
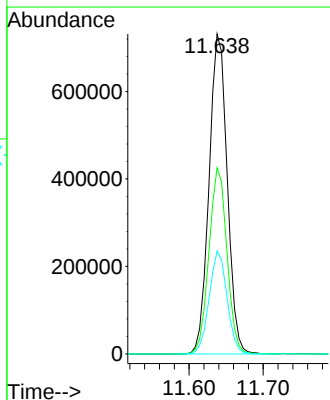
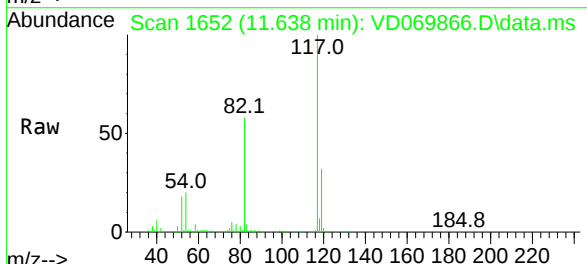
Instrument :
MSVOA_D
ClientSampleId :

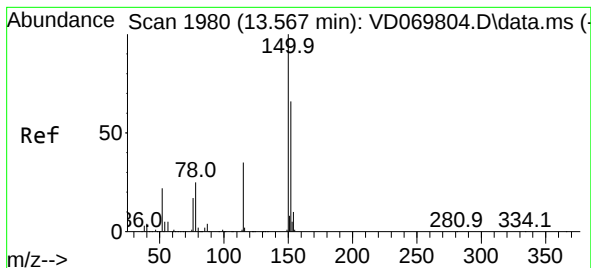
Tgt Ion: 95 Resp: 537722
Ion Ratio Lower Upper
95 100
174 71.0 0.0 142.6
176 67.2 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD069866.D
Acq: 27 Jul 2021 15:00

Tgt Ion: 117 Resp: 1244691
Ion Ratio Lower Upper
117 100
82 58.2 46.3 69.5
119 32.1 24.7 37.1

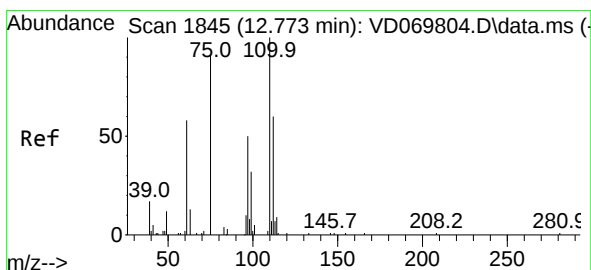
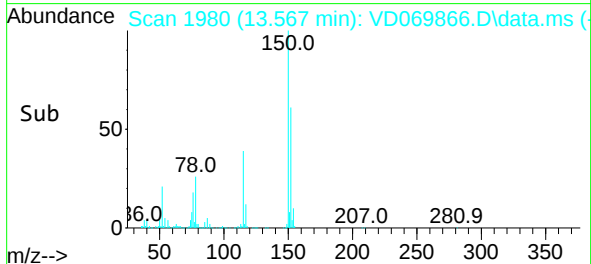
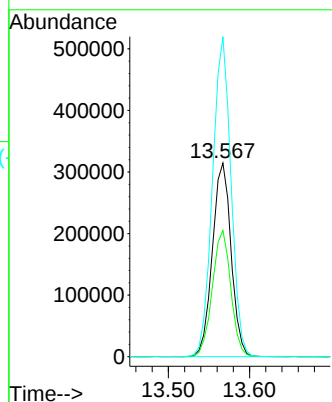
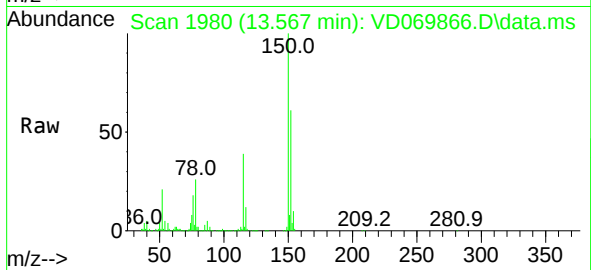




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD069866.D
Acq: 27 Jul 2021 15:00

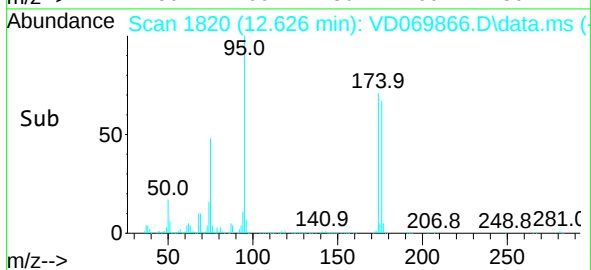
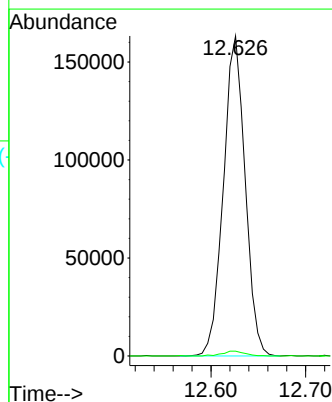
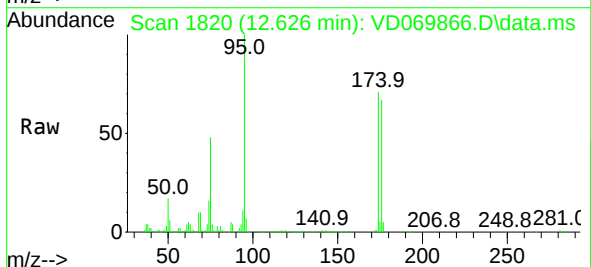
Instrument :
MSVOA_D
ClientSampled :

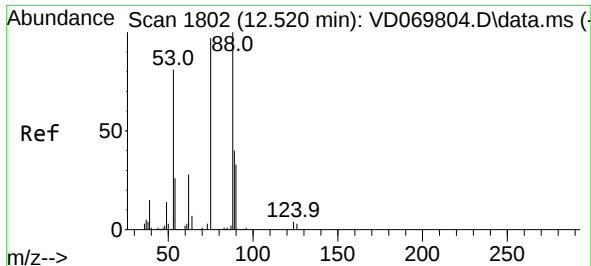
Tgt Ion:152 Resp: 503781
Ion Ratio Lower Upper
152 100
115 64.4 31.1 93.3
150 162.8 0.0 343.0



#76
1,2,3-Trichloropropane
Concen: 48.635 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD069866.D
Acq: 27 Jul 2021 15:00

Tgt Ion: 75 Resp: 260434
Ion Ratio Lower Upper
75 100
77 1.6 181.5 544.5#

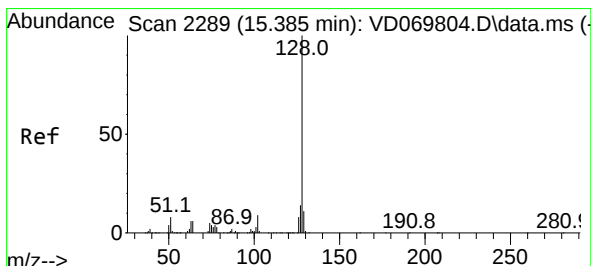
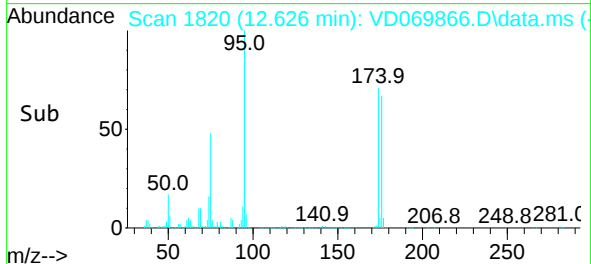
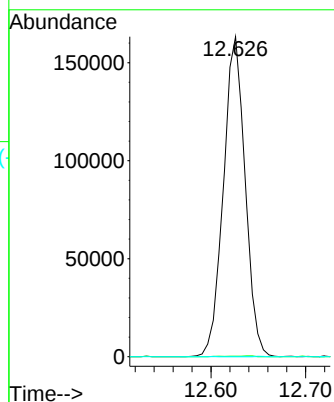
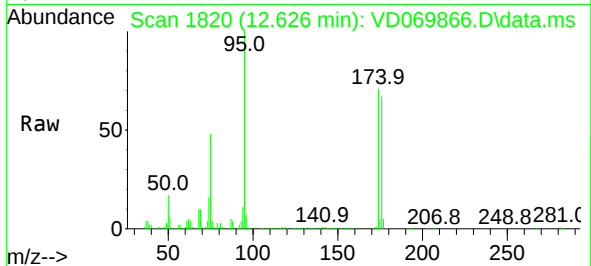




#81
trans-1,4-Dichloro-2-butene
Concen: 147.547 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD069866.D
Acq: 27 Jul 2021 15:00

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 260434
Ion Ratio Lower Upper
75 100
53 0.0 67.2 100.8#
89 0.0 35.8 53.6#



#95
Naphthalene
Concen: 20.218 ug/l
RT: 15.391 min Scan# 2290
Delta R.T. 0.006 min
Lab File: VD069866.D
Acq: 27 Jul 2021 15:00

Tgt Ion:128 Resp: 278453
Ion Ratio Lower Upper
128 100
127 13.6 10.6 16.0
129 11.2 8.6 12.8

