

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072621\
 Data File : VD069854.D
 Acq On : 26 Jul 2021 18:16
 Operator : VA/SY
 Sample : M3114-04
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jul 27 05:12:52 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)

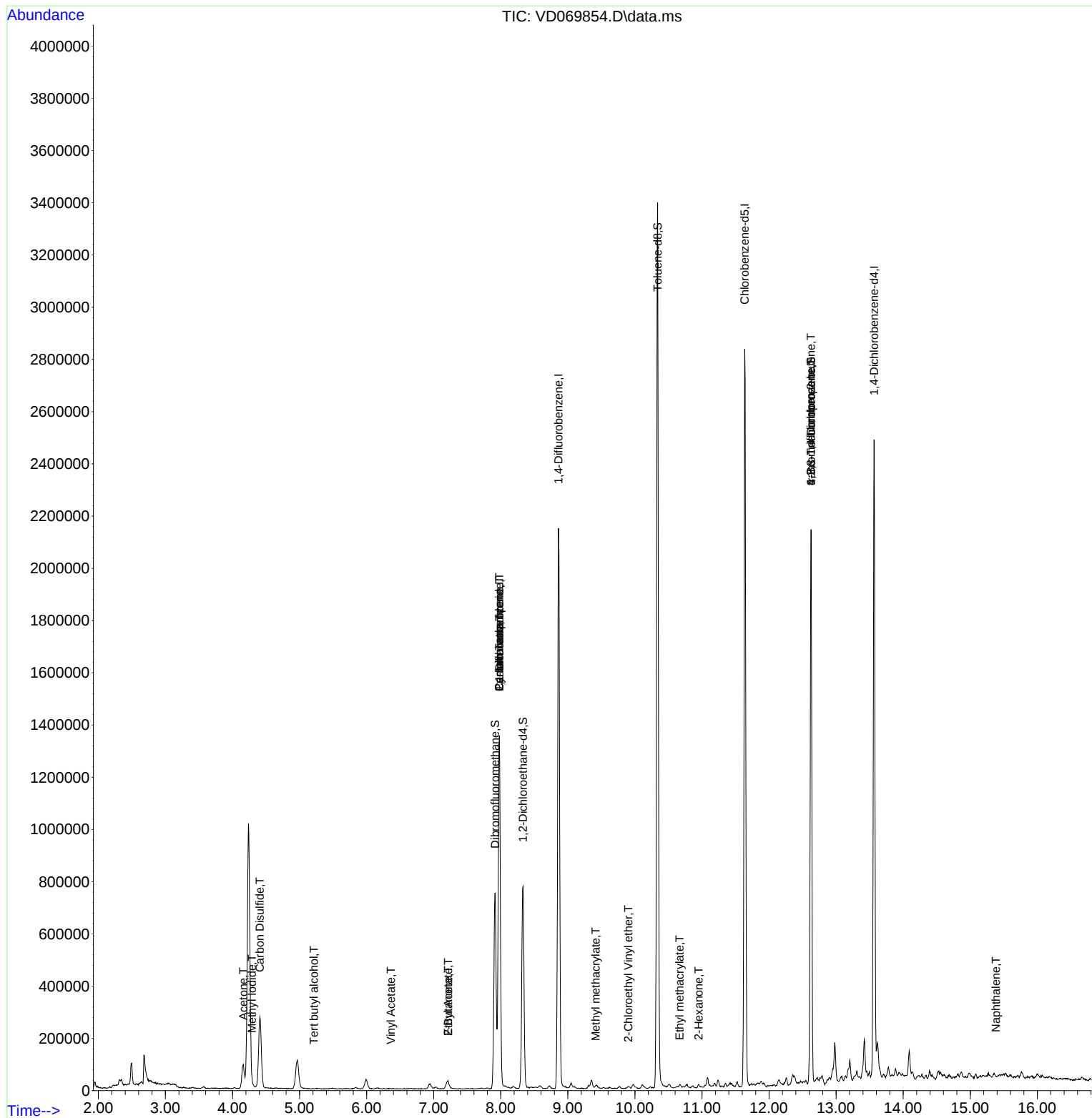
Internal Standards						
1) Pentafluorobenzene	7.979	168	946627	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1852908	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	1680402	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	654306	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	634317	58.263	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.520%
35) Dibromofluoromethane	7.914	113	559706	47.917	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.840%
50) Toluene-d8	10.337	98	2323241	51.581	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.160%
62) 4-Bromofluorobenzene	12.625	95	742008	49.294	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	98.580%
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	3674	Below Cal		90
10) Methyl Iodide	4.291	142	1327	3.567 ug/l	#	85
11) Tert butyl alcohol	5.214	59	841	1.493 ug/l	#	73
16) Acetone	4.161	43	159841	81.273 ug/l		91
17) Carbon Disulfide	4.408	76	602494	15.558 ug/l		100
23) Vinyl Acetate	6.361	43	229	20.360 ug/l	#	71
25) 2-Butanone	7.214	43	33667	12.623 ug/l		93
31) Cyclohexane	7.979	56	23923	1.125 ug/l	#	1
36) 1,1-Dichloropropene	7.979	75	83228	4.162 ug/l	#	50
37) Ethyl Acetate	7.214	43	33667	4.625 ug/l	#	68
38) Carbon Tetrachloride	7.979	117	99961	5.473 ug/l	#	16
48) Methyl methacrylate	9.414	41	1306	2.924 ug/l	#	40
56) Ethyl methacrylate	10.667	69	2558	4.076 ug/l	#	75
58) 2-Chloroethyl Vinyl ether	9.902	63	62	20.880 ug/l	#	48
59) 2-Hexanone	10.949	43	6278	1.397 ug/l	#	21
76) 1,2,3-Trichloropropane	12.625	75	369759	53.166 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.625	75	369759	161.292 ug/l	#	16
95) Naphthalene	15.384	128	3417	5.142 ug/l	#	69

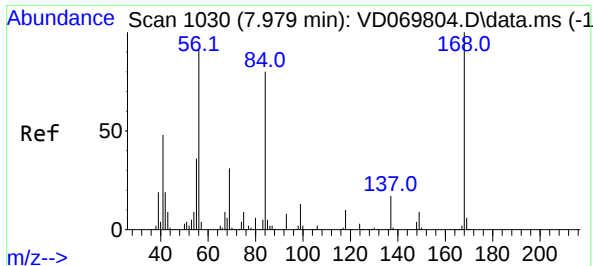
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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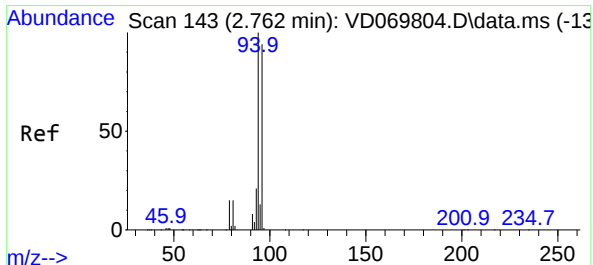
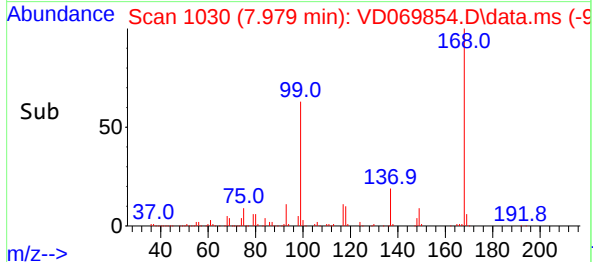
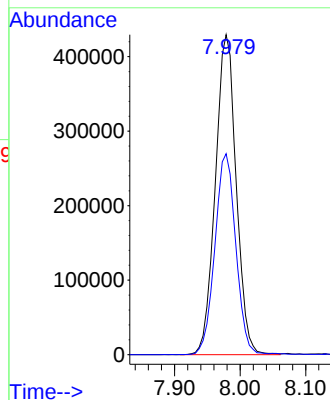
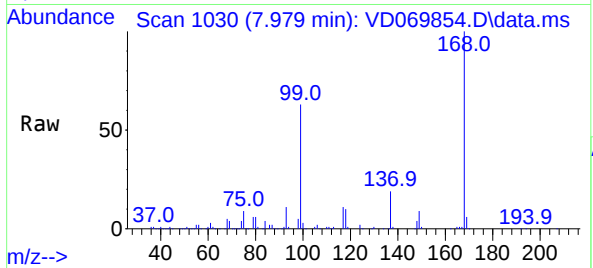




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069854.D
Acq: 26 Jul 2021 18:16

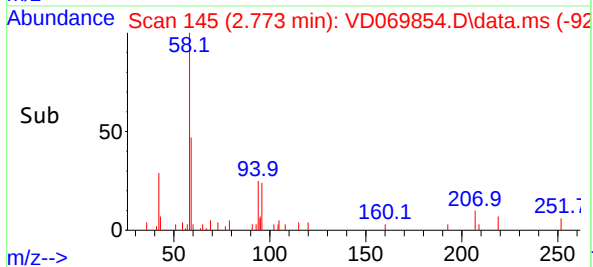
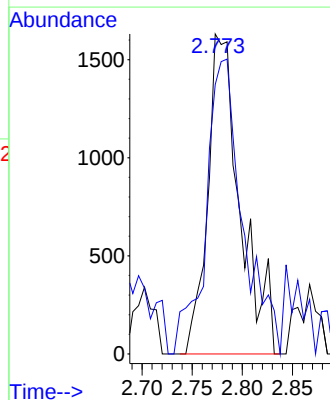
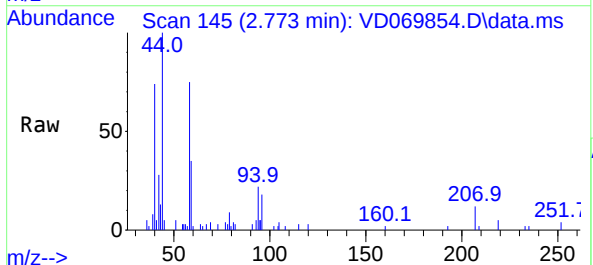
Instrument :
MSVOA_D
ClientSampleId :

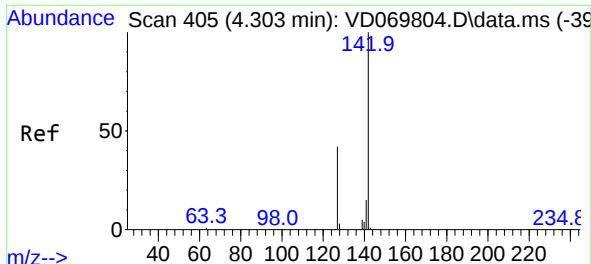
Tgt Ion:168 Resp: 946627
Ion Ratio Lower Upper
168 100
99 62.8 51.1 76.7



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD069854.D
Acq: 26 Jul 2021 18:16

Tgt Ion: 94 Resp: 3674
Ion Ratio Lower Upper
94 100
96 84.2 74.8 112.2

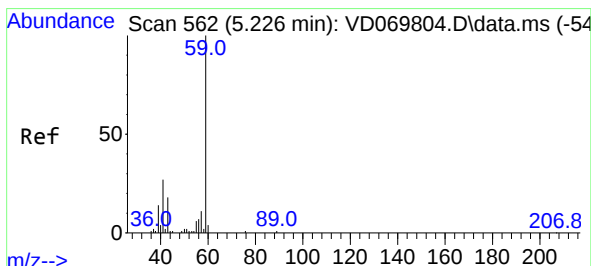
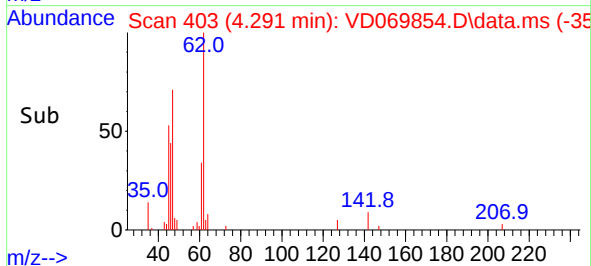
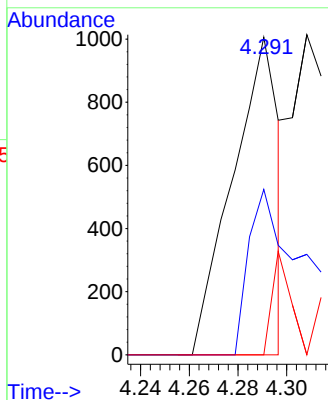
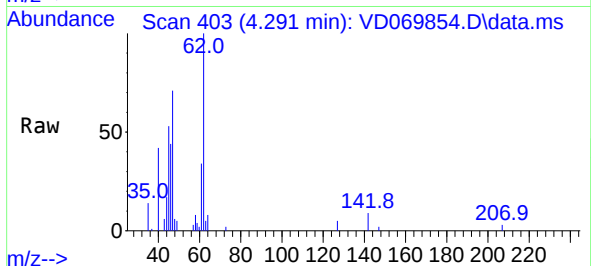




#10
Methyl Iodide
Concen: 3.567 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD069854.D
Acq: 26 Jul 2021 18:16

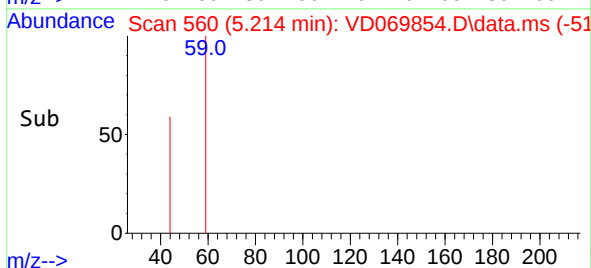
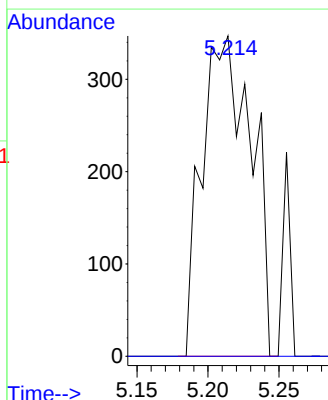
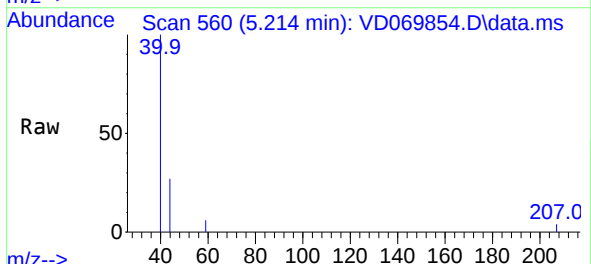
Instrument :
MSVOA_D
ClientSampled :

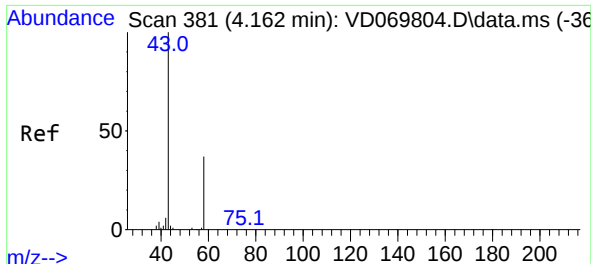
Tgt Ion:142 Resp: 1327
Ion Ratio Lower Upper
142 100
127 56.5 35.7 53.5#
141 12.9 12.0 18.0



#11
Tert butyl alcohol
Concen: 1.493 ug/l
RT: 5.214 min Scan# 560
Delta R.T. -0.012 min
Lab File: VD069854.D
Acq: 26 Jul 2021 18:16

Tgt Ion: 59 Resp: 841
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

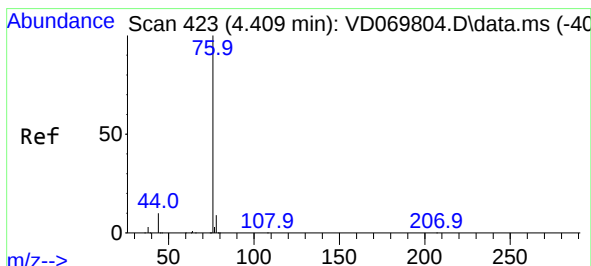
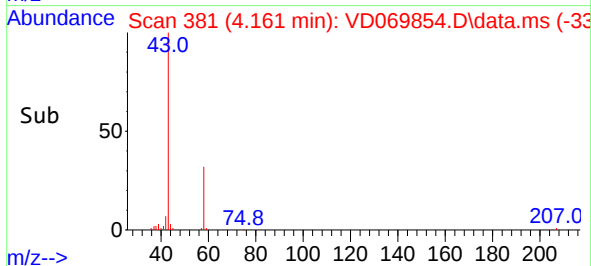
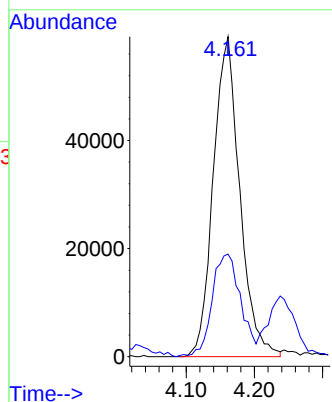
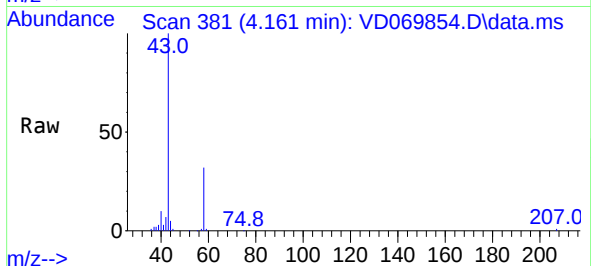




#16
Acetone
Concen: 81.273 ug/l
RT: 4.161 min Scan# 381
Delta R.T. -0.000 min
Lab File: VD069854.D
Acq: 26 Jul 2021 18:16

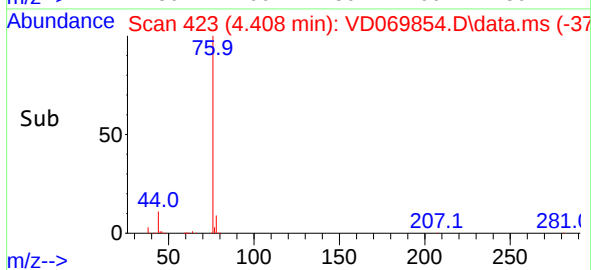
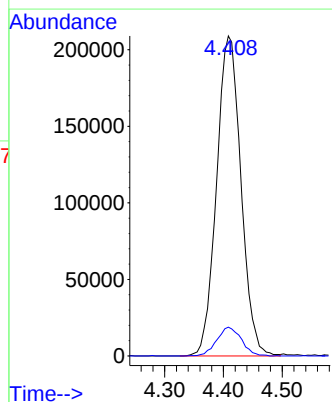
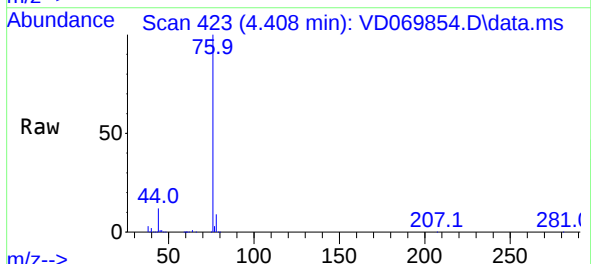
Instrument :
MSVOA_D
ClientSampled :

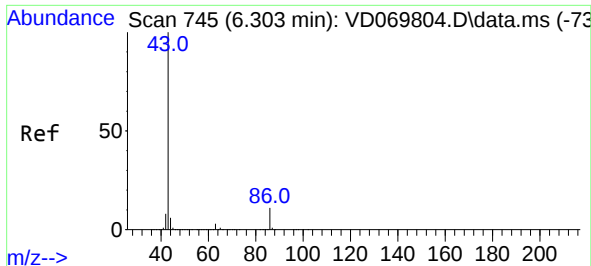
Tgt Ion: 43 Resp: 159841
Ion Ratio Lower Upper
43 100
58 31.6 29.4 44.0



#17
Carbon Disulfide
Concen: 15.558 ug/l
RT: 4.408 min Scan# 423
Delta R.T. -0.000 min
Lab File: VD069854.D
Acq: 26 Jul 2021 18:16

Tgt Ion: 76 Resp: 602494
Ion Ratio Lower Upper
76 100
78 9.0 7.3 10.9

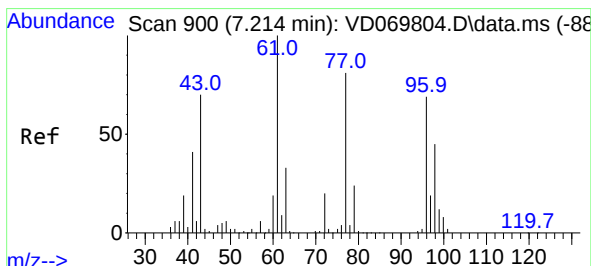
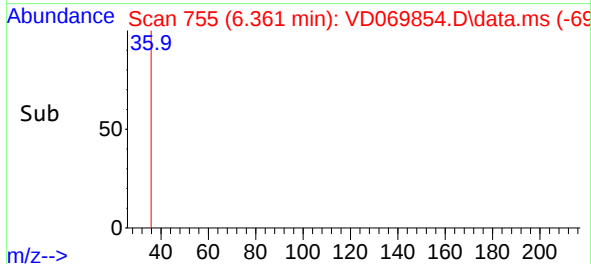
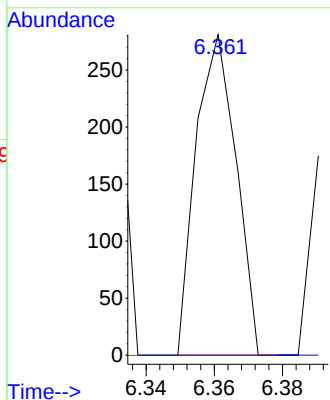
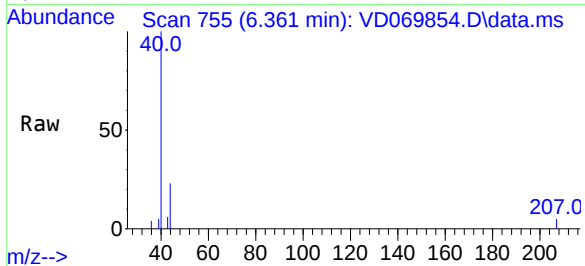




#23
 Vinyl Acetate
 Concen: 20.360 ug/l
 RT: 6.361 min Scan# 755
 Delta R.T. 0.058 min
 Lab File: VD069854.D
 Acq: 26 Jul 2021 18:16

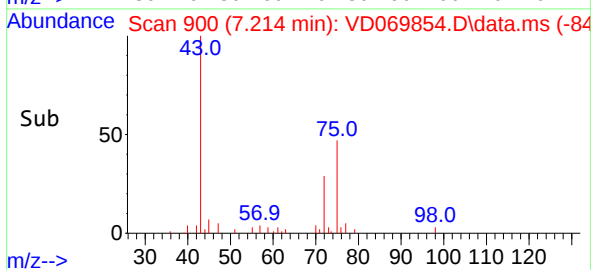
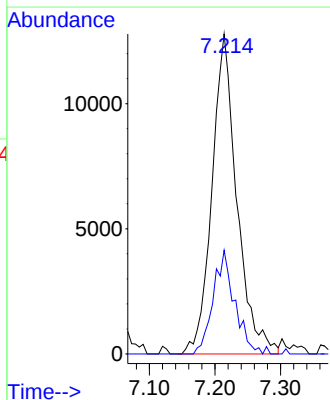
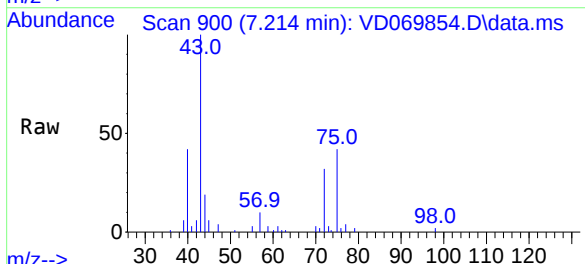
Instrument :
 MSVOA_D
 ClientSampled :

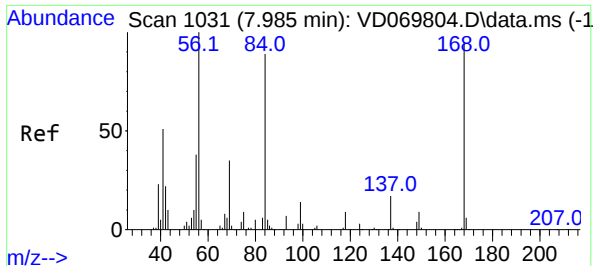
Tgt Ion: 43 Resp: 229
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 13.0#



#25
 2-Butanone
 Concen: 12.623 ug/l
 RT: 7.214 min Scan# 900
 Delta R.T. -0.000 min
 Lab File: VD069854.D
 Acq: 26 Jul 2021 18:16

Tgt Ion: 43 Resp: 33667
 Ion Ratio Lower Upper
 43 100
 72 32.4 22.8 34.2





#31

Cyclohexane

Concen: 1.125 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

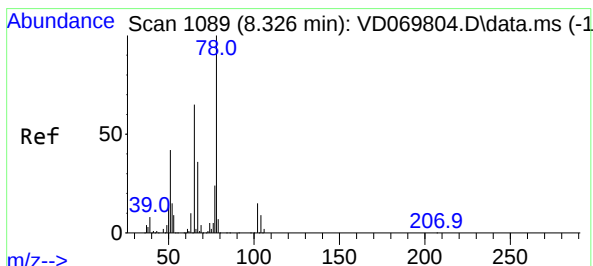
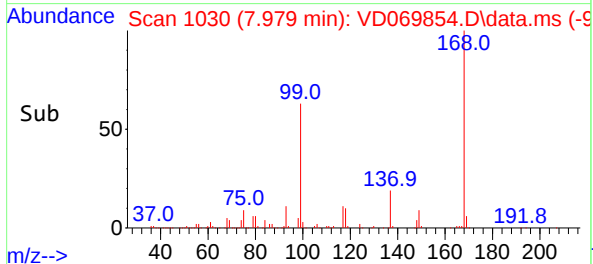
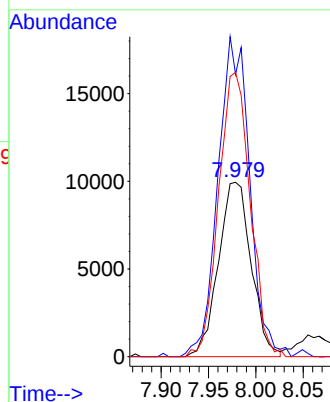
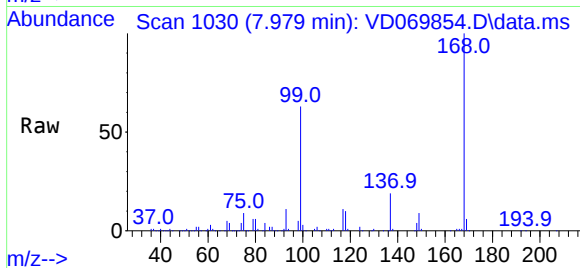
Lab File: VD069854.D

Acq: 26 Jul 2021 18:16

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 56 Resp: 23923

Ion	Ratio	Lower	Upper
56	100		
69	161.9	27.9	41.9#
84	163.1	71.4	107.2#



#33

1,2-Dichloroethane-d4

Concen: 58.263 ug/l

RT: 8.332 min Scan# 1090

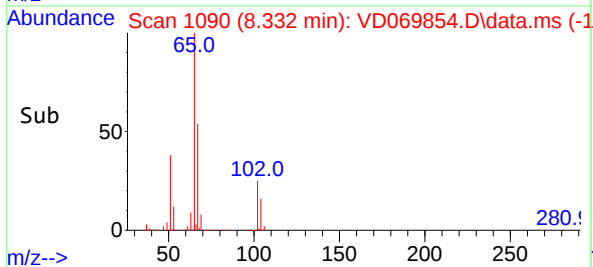
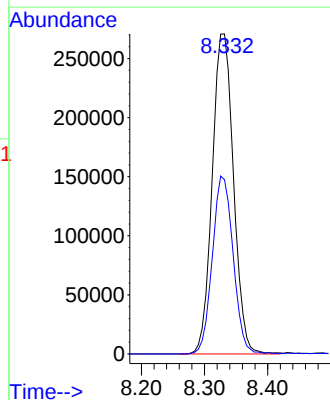
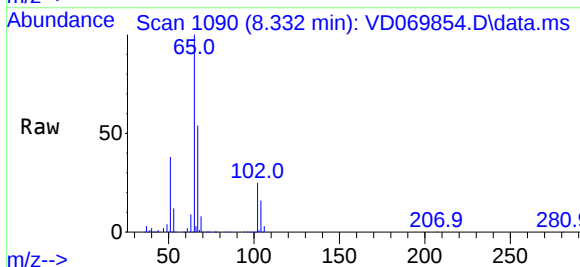
Delta R.T. 0.005 min

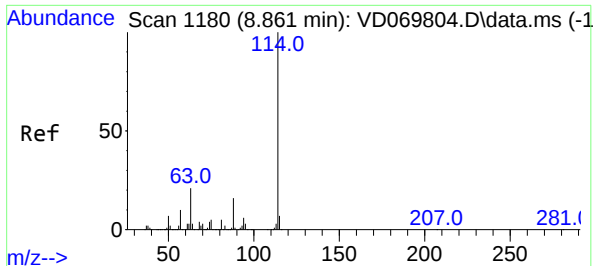
Lab File: VD069854.D

Acq: 26 Jul 2021 18:16

Tgt Ion: 65 Resp: 634317

Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	111.2

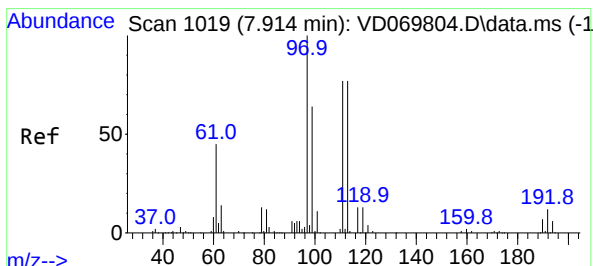
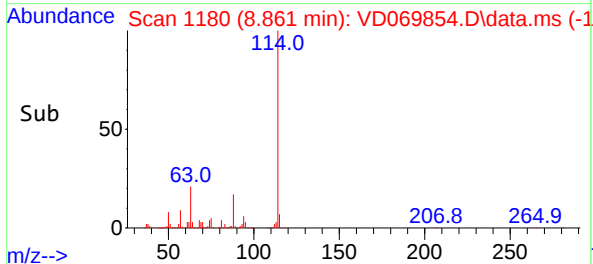
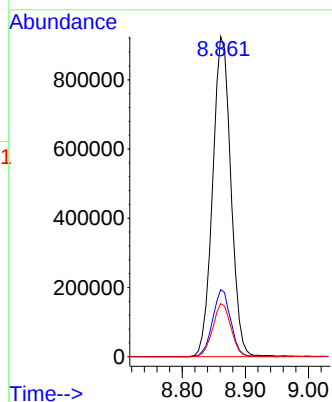
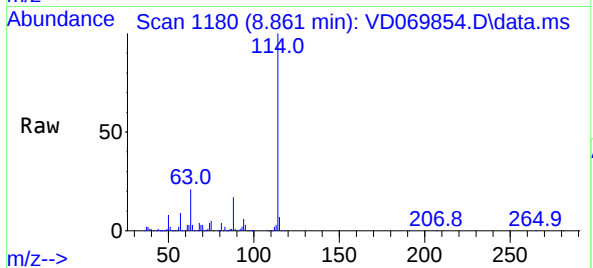




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD069854.D
Acq: 26 Jul 2021 18:16

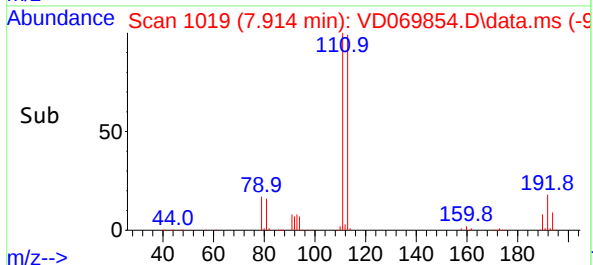
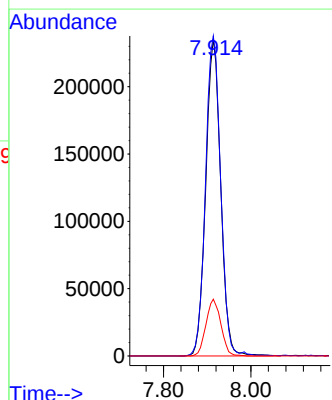
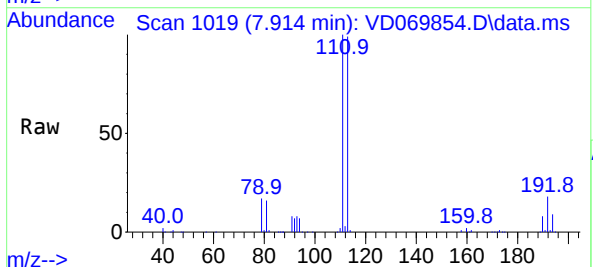
Instrument :
MSVOA_D
ClientSampled :

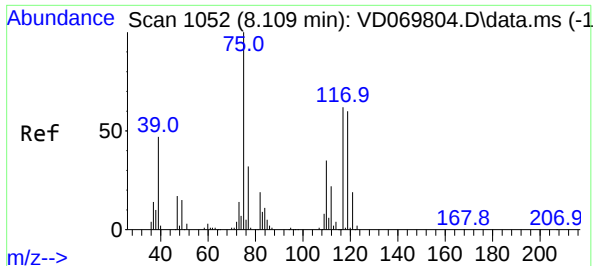
Tgt Ion:114 Resp: 1852908
Ion Ratio Lower Upper
114 100
63 21.0 0.0 41.6
88 16.6 0.0 31.4



#35
Dibromofluoromethane
Concen: 47.917 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD069854.D
Acq: 26 Jul 2021 18:16

Tgt Ion:113 Resp: 559706
Ion Ratio Lower Upper
113 100
111 102.5 80.5 120.7
192 17.9 12.6 19.0

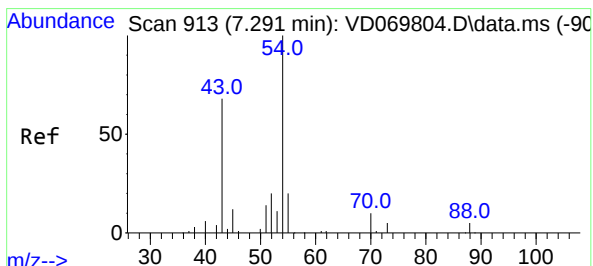
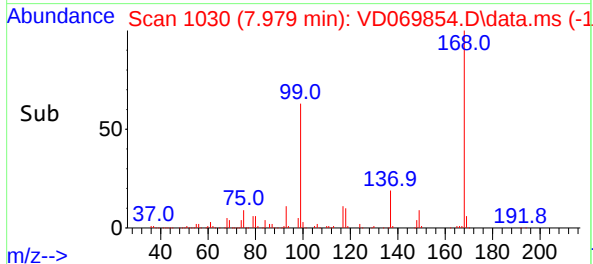
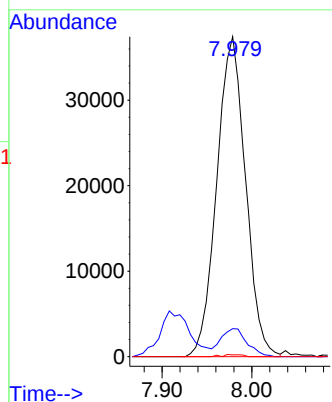
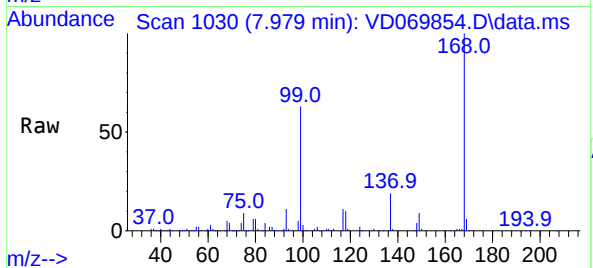




#36
1,1-Dichloropropene
Concen: 4.162 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD069854.D
Acq: 26 Jul 2021 18:16

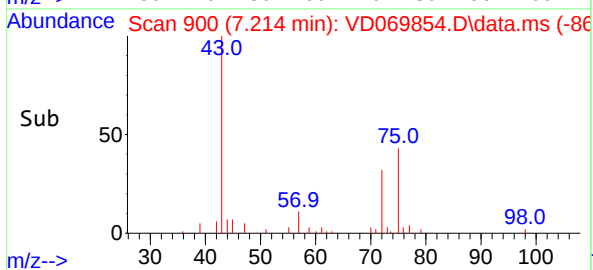
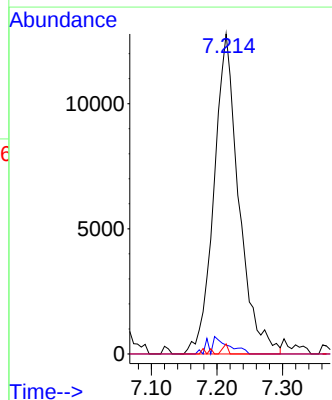
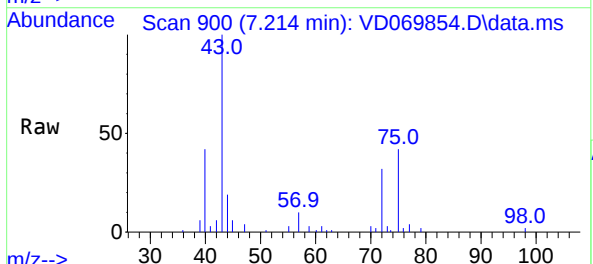
Instrument :
MSVOA_D
ClientSampled :

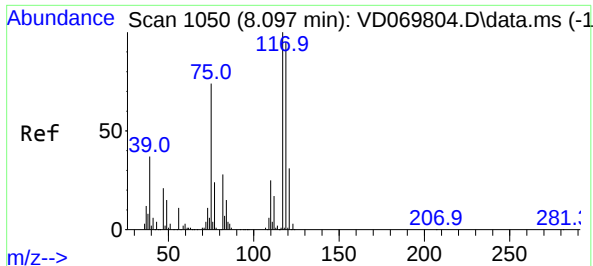
Tgt Ion: 75 Resp: 83228
Ion Ratio Lower Upper
75 100
110 7.9 16.9 50.7#
77 0.5 24.9 37.3#



#37
Ethyl Acetate
Concen: 4.625 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.077 min
Lab File: VD069854.D
Acq: 26 Jul 2021 18:16

Tgt Ion: 43 Resp: 33667
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.8#
70 0.6 8.9 13.3#

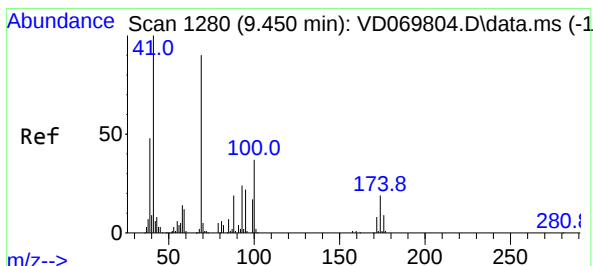
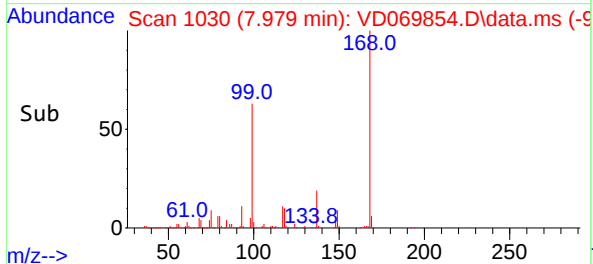
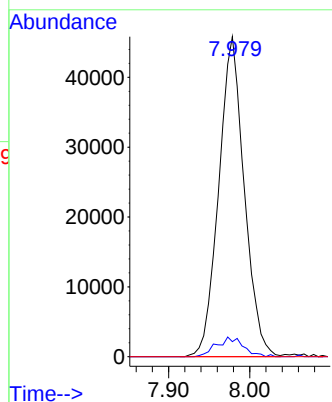
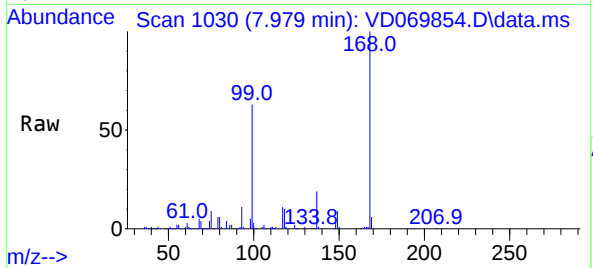




#38
Carbon Tetrachloride
Concen: 5.473 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069854.D
Acq: 26 Jul 2021 18:16

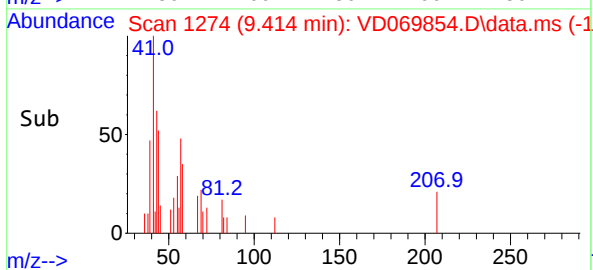
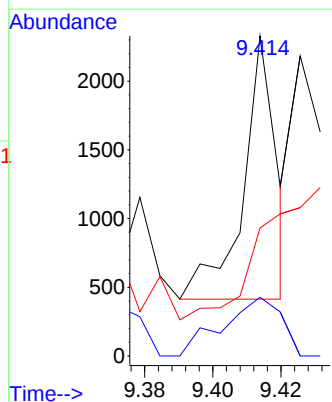
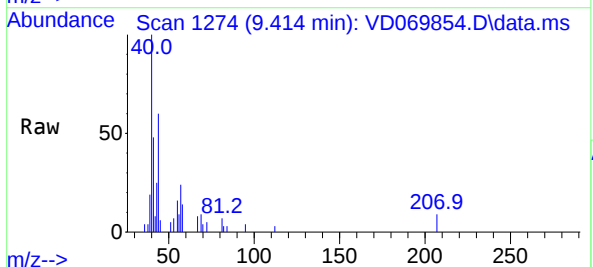
Instrument :
MSVOA_D
ClientSampled :

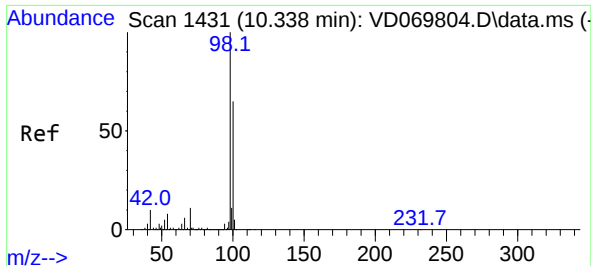
Tgt Ion:117 Resp: 99961
Ion Ratio Lower Upper
117 100
119 4.7 76.2 114.2#
121 0.0 24.5 36.7#



#48
Methyl methacrylate
Concen: 2.924 ug/l
RT: 9.414 min Scan# 1274
Delta R.T. -0.036 min
Lab File: VD069854.D
Acq: 26 Jul 2021 18:16

Tgt Ion: 41 Resp: 1306
Ion Ratio Lower Upper
41 100
69 38.7 73.4 110.2#
39 0.0 36.6 55.0#

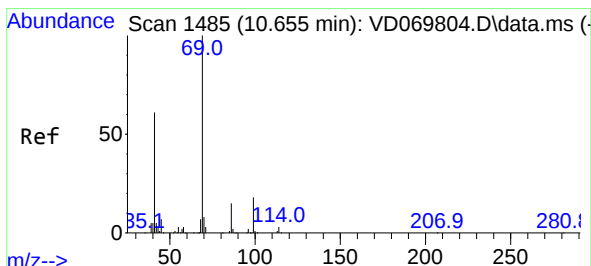
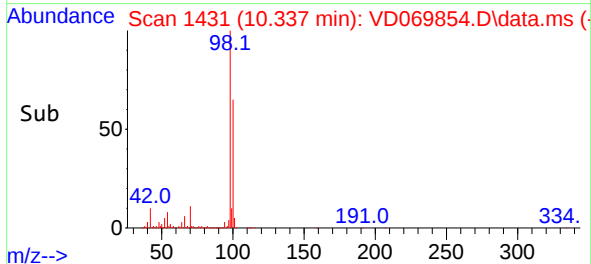
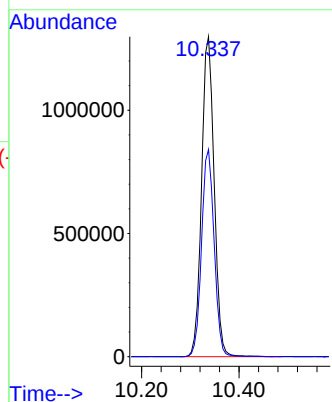
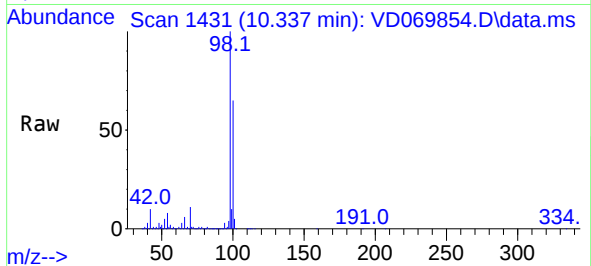




#50
Toluene-d8
Concen: 51.581 ug/l
RT: 10.337 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069854.D
Acq: 26 Jul 2021 18:16

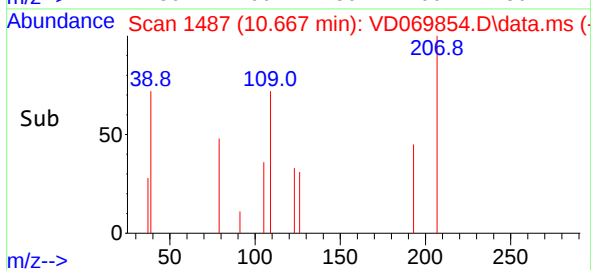
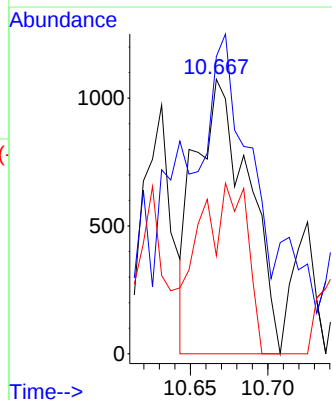
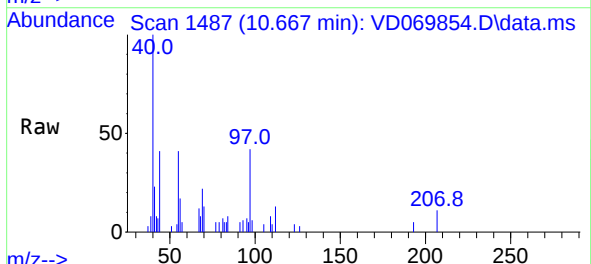
Instrument :
MSVOA_D
ClientSampleId :

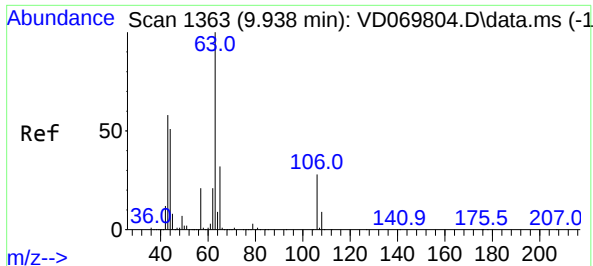
Tgt Ion: 98 Resp: 2323241
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9



#56
Ethyl methacrylate
Concen: 4.076 ug/l
RT: 10.667 min Scan# 1487
Delta R.T. 0.012 min
Lab File: VD069854.D
Acq: 26 Jul 2021 18:16

Tgt Ion: 69 Resp: 2558
Ion Ratio Lower Upper
69 100
41 89.2 50.2 75.2#
39 29.8 22.0 33.0

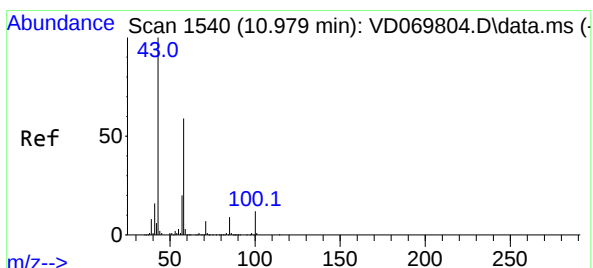
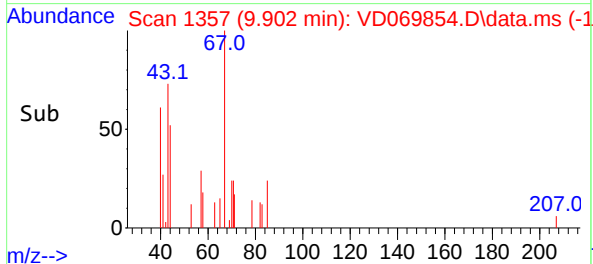
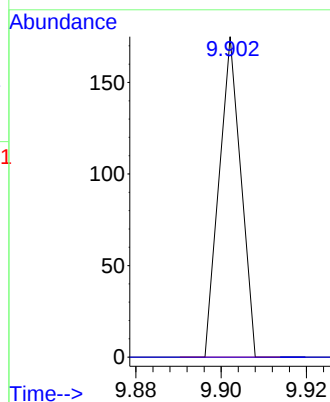
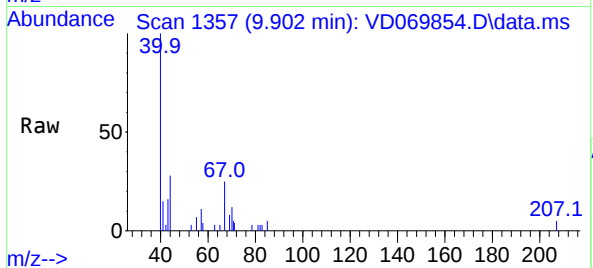




#58
2-Chloroethyl Vinyl ether
Concen: 20.880 ug/l
RT: 9.902 min Scan# 1357
Delta R.T. -0.036 min
Lab File: VD069854.D
Acq: 26 Jul 2021 18:16

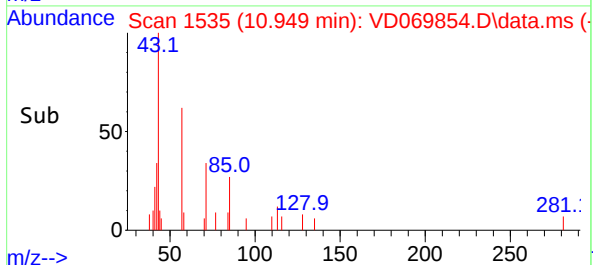
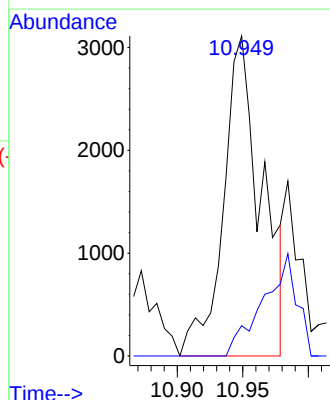
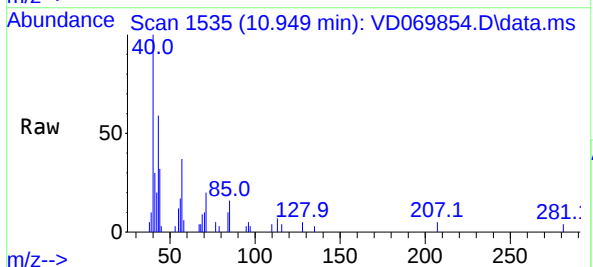
Instrument :
MSVOA_D
ClientSampled :

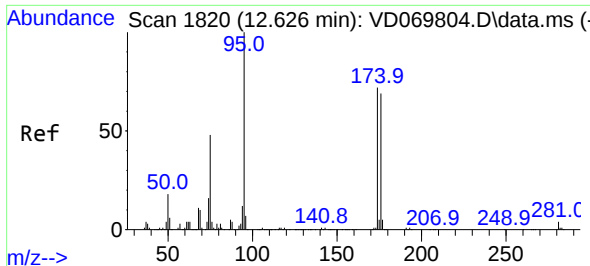
Tgt Ion: 63 Resp: 62
Ion Ratio Lower Upper
63 100
106 0.0 21.8 32.6#



#59
2-Hexanone
Concen: 1.397 ug/l
RT: 10.949 min Scan# 1535
Delta R.T. -0.030 min
Lab File: VD069854.D
Acq: 26 Jul 2021 18:16

Tgt Ion: 43 Resp: 6278
Ion Ratio Lower Upper
43 100
58 0.0 29.4 88.3#

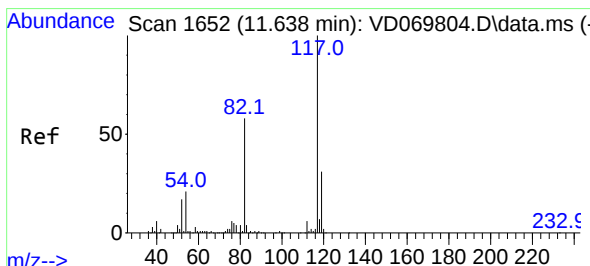
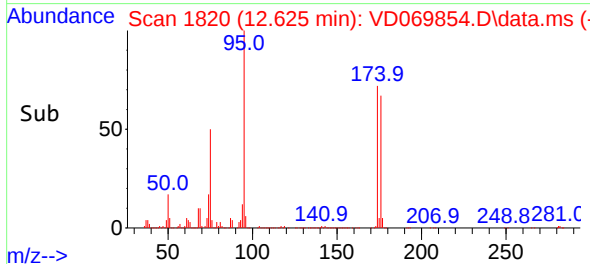
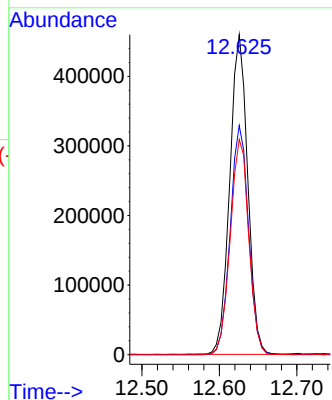
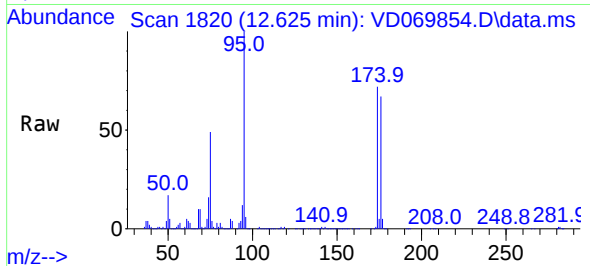




#62
4-Bromofluorobenzene
Concen: 49.294 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069854.D
Acq: 26 Jul 2021 18:16

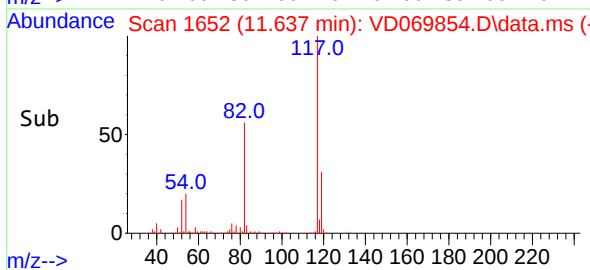
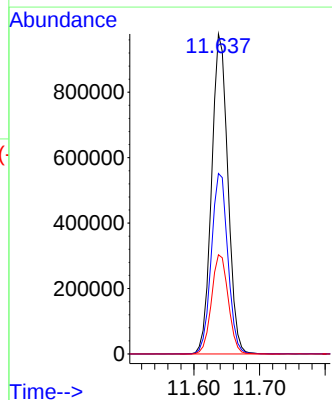
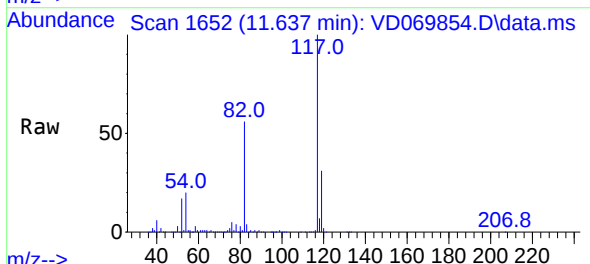
Instrument :
MSVOA_D
ClientSampleId :

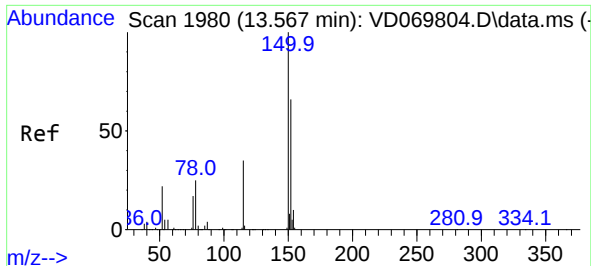
Tgt Ion: 95 Resp: 742008
Ion Ratio Lower Upper
95 100
174 72.9 0.0 142.6
176 69.2 0.0 134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD069854.D
Acq: 26 Jul 2021 18:16

Tgt Ion: 117 Resp: 1680402
Ion Ratio Lower Upper
117 100
82 56.4 46.3 69.5
119 31.0 24.7 37.1

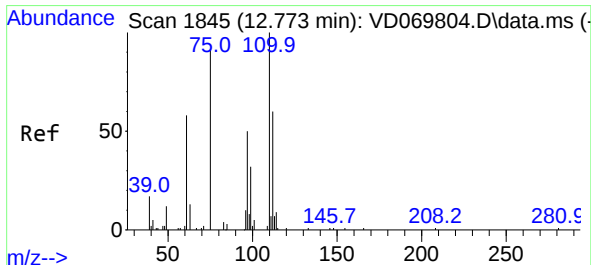
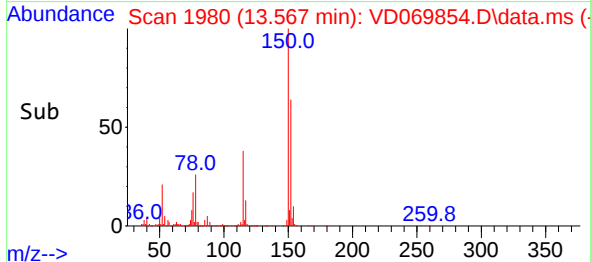
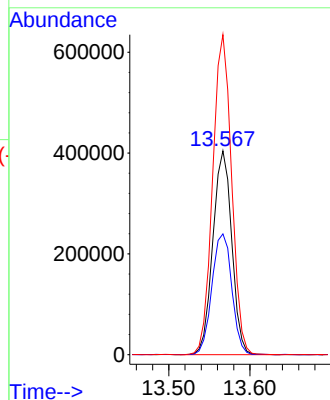
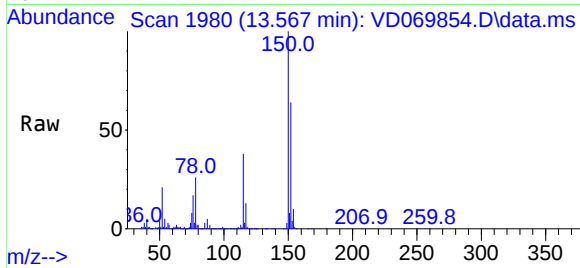




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD069854.D
Acq: 26 Jul 2021 18:16

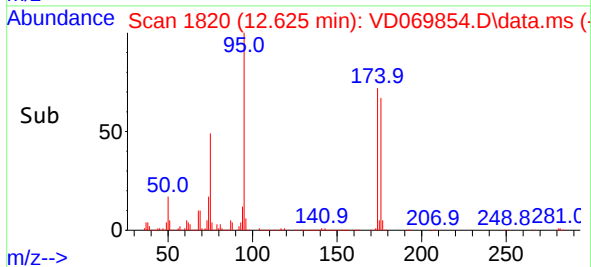
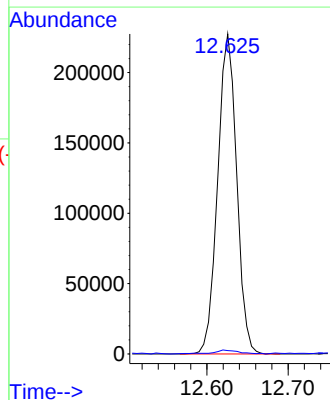
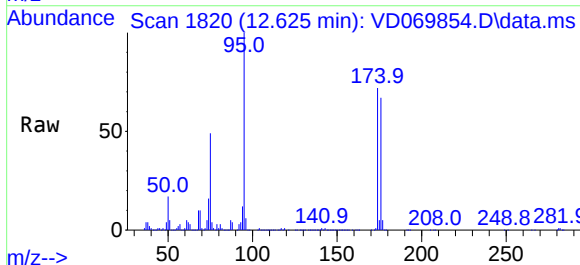
Instrument :
MSVOA_D
ClientSampleId :

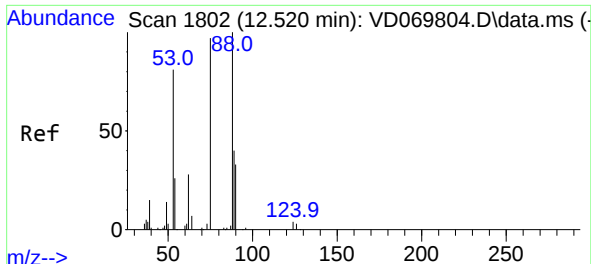
Tgt Ion:152 Resp: 654306
Ion Ratio Lower Upper
152 100
115 62.4 31.1 93.3
150 156.9 0.0 343.0



#76
1,2,3-Trichloropropane
Concen: 53.166 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. -0.148 min
Lab File: VD069854.D
Acq: 26 Jul 2021 18:16

Tgt Ion: 75 Resp: 369759
Ion Ratio Lower Upper
75 100
77 1.7 181.5 544.5#

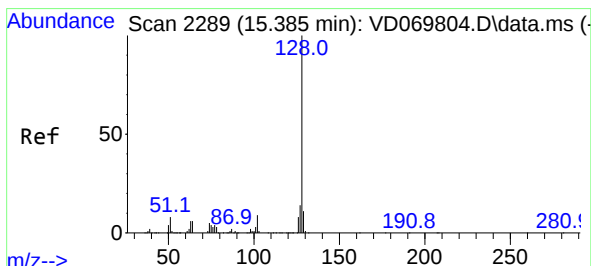
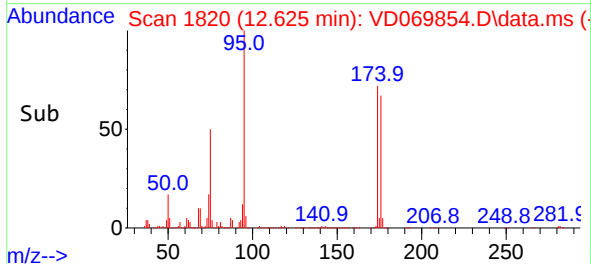
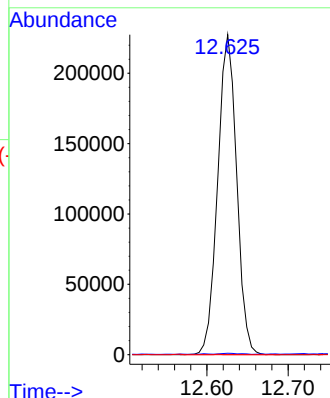
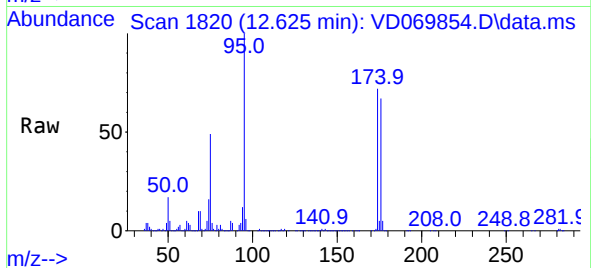




#81
trans-1,4-Dichloro-2-butene
Concen: 161.292 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. 0.105 min
Lab File: VD069854.D
Acq: 26 Jul 2021 18:16

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 369759
Ion Ratio Lower Upper
75 100
53 0.4 67.2 100.8#
89 0.0 35.8 53.6#



#95
Naphthalene
Concen: 5.142 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. -0.001 min
Lab File: VD069854.D
Acq: 26 Jul 2021 18:16

Tgt Ion:128 Resp: 3417
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.6 12.8#

