

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060721\
 Data File : VD069370.D
 Acq On : 07 Jun 2021 16:14
 Operator : VA/SY
 Sample : M2626-05
 Misc : 7.86G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 18-B12(X)

Quant Time: Jun 08 04:23:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060121S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 02 02:17:36 2021
 Response via : Initial Calibration

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

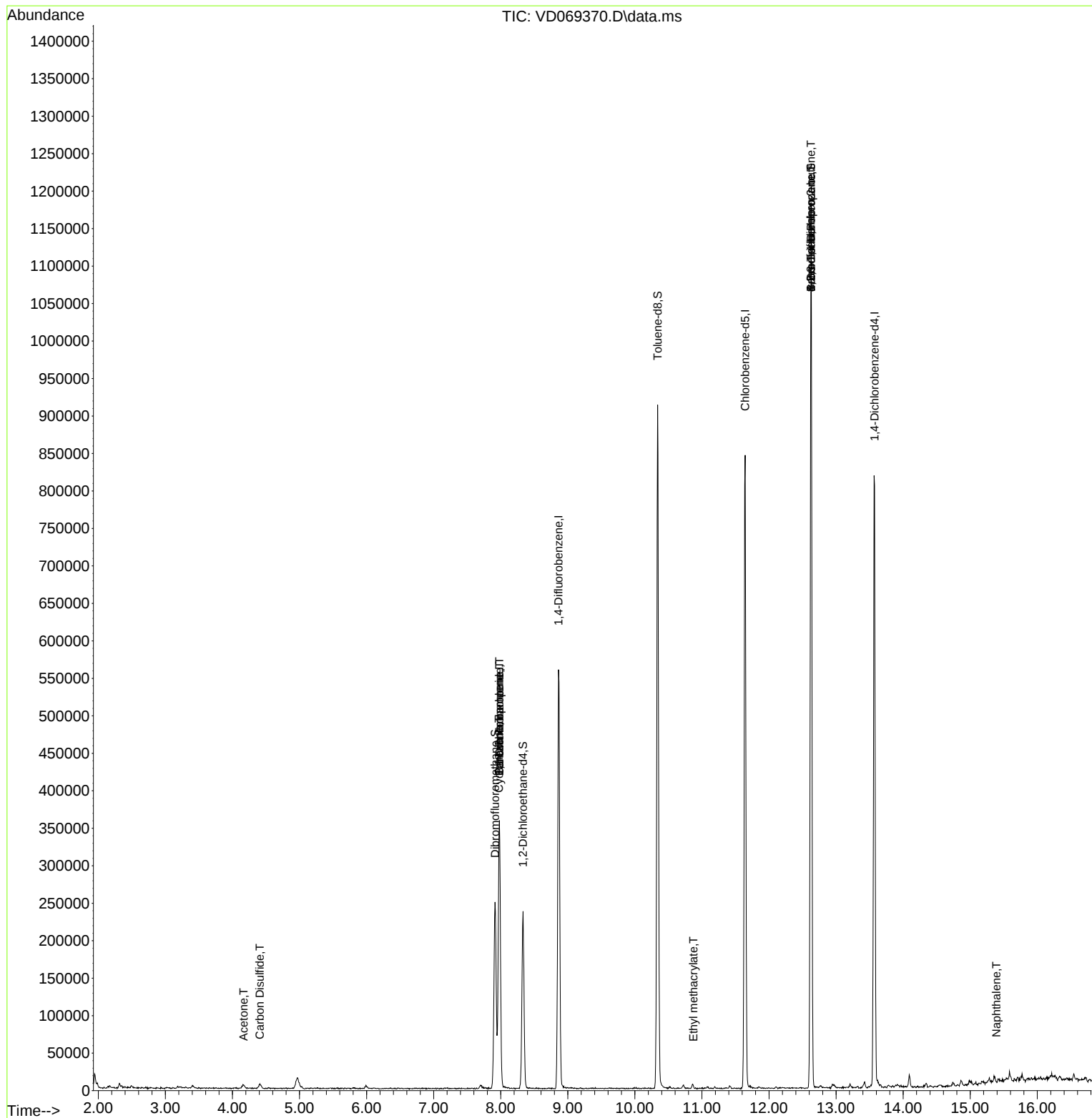
Internal Standards						
1) Pentafluorobenzene	7.979	168	272846	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	501885	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.644	117	512497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.573	152	232759	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	183415	70.06	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 140.12%			
35) Dibromofluoromethane	7.914	113	185026	58.71	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 117.42%			
50) Toluene-d8	10.338	98	633254	55.25	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 110.50%			
62) 4-Bromofluorobenzene	12.626	95	224639	59.82	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 119.64%			
Target Compounds						
11) Tert butyl alcohol	5.209	59	162	Below Cal	#	73
16) Acetone	4.168	43	8417	18.42	ug/l #	86
17) Carbon Disulfide	4.409	76	12131	1.34	ug/l #	86
20) Methylene Chloride	4.973	84	11683	Below Cal	#	79
31) Cyclohexane	7.973	56	5819	1.40	ug/l #	30
36) 1,1-Dichloropropene	7.979	75	20767	4.26	ug/l #	50
38) Carbon Tetrachloride	7.979	117	27352	5.19	ug/l #	16
56) Ethyl methacrylate	10.873	69	283	2.73	ug/l #	1
71) Bromoform	12.626	173	2228	1.09	ug/l #	29
76) 1,2,3-Trichloropropane	12.626	75	112225	55.49	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	112225	122.98	ug/l #	19
95) Naphthalene	15.390	128	209	3.33	ug/l #	10

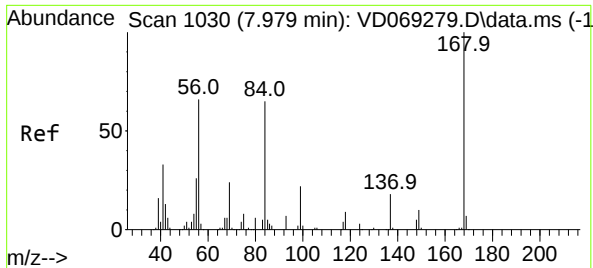
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

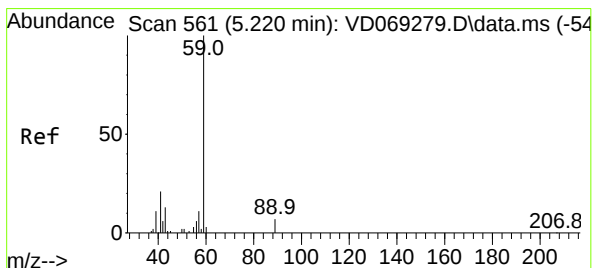
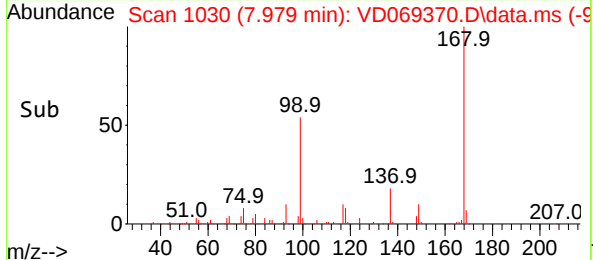
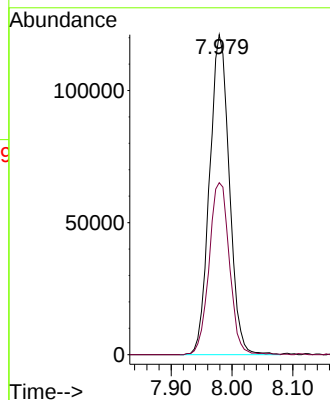
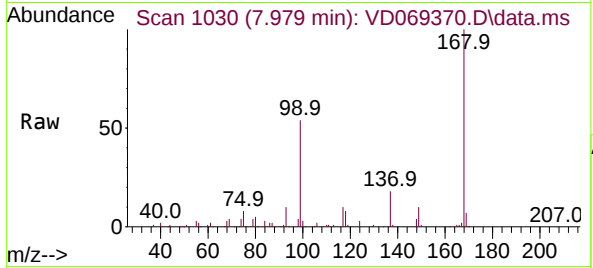




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD069370.D
Acq: 07 Jun 2021 16:14

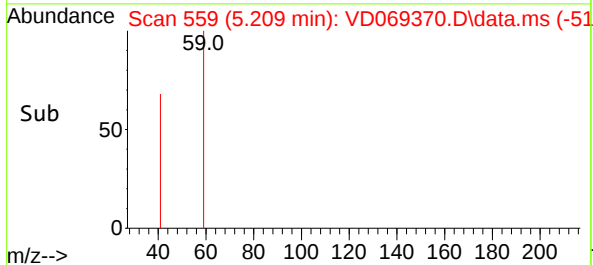
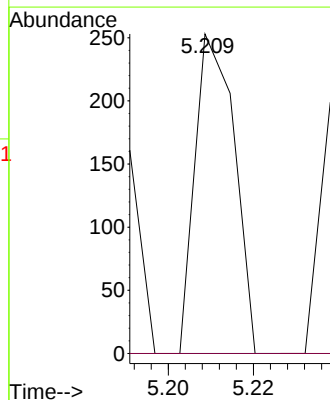
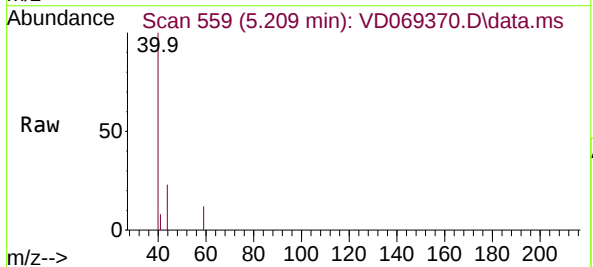
Instrument :
MSVOA_D
ClientSampleId :
18-B12(X)

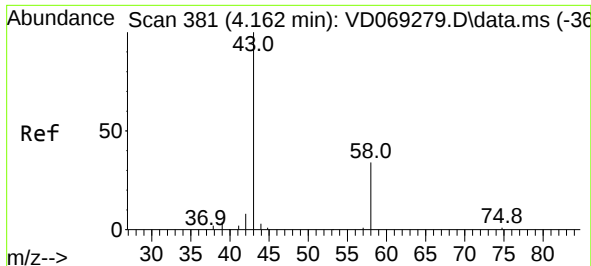
Tgt Ion:168 Resp: 272846
Ion Ratio Lower Upper
168 100
99 53.7 46.2 69.2



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.209 min Scan# 559
Delta R.T. -0.011 min
Lab File: VD069370.D
Acq: 07 Jun 2021 16:14

Tgt Ion: 59 Resp: 162
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

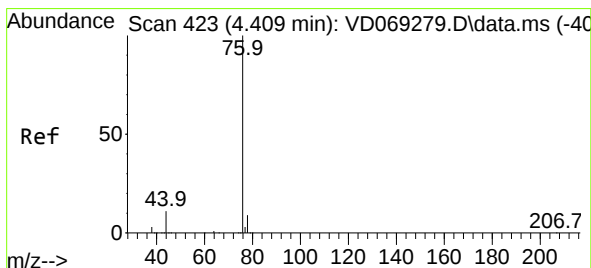
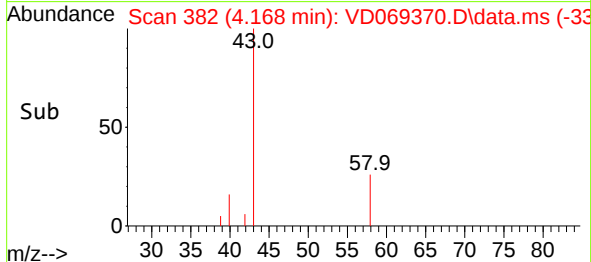
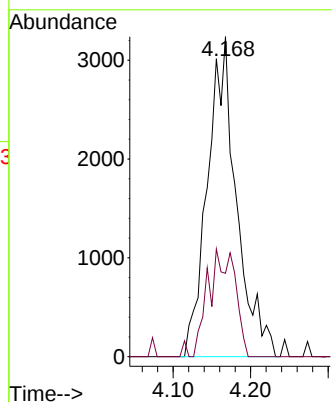
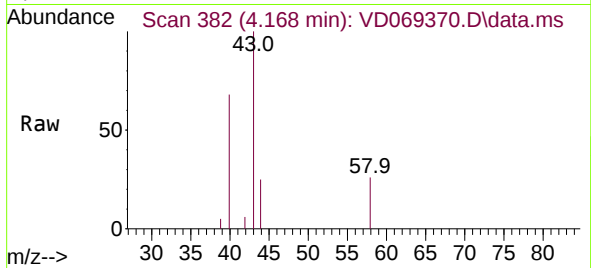




#16
Acetone
Concen: 18.42 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.006 min
Lab File: VD069370.D
Acq: 07 Jun 2021 16:14

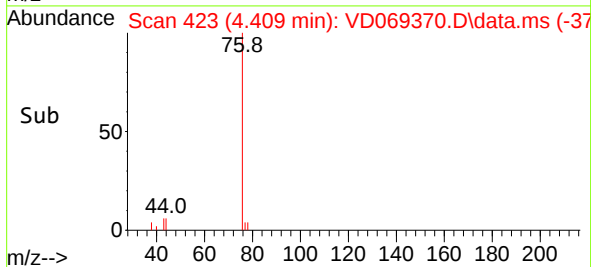
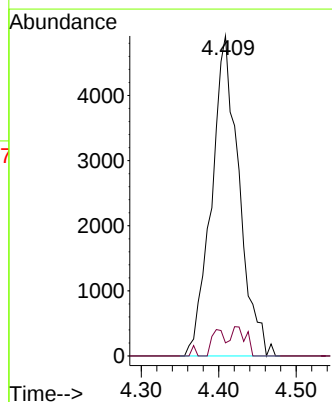
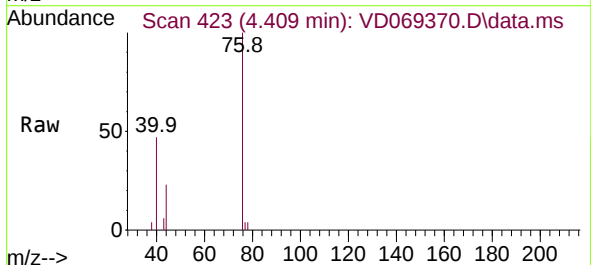
Instrument :
MSVOA_D
ClientSampleId :
18-B12(X)

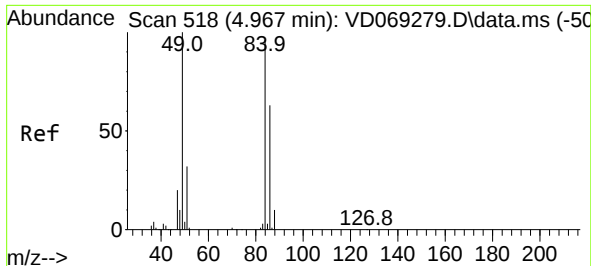
Tgt Ion: 43 Resp: 8417
Ion Ratio Lower Upper
43 100
58 26.1 27.5 41.3#



#17
Carbon Disulfide
Concen: 1.34 ug/l
RT: 4.409 min Scan# 423
Delta R.T. 0.000 min
Lab File: VD069370.D
Acq: 07 Jun 2021 16:14

Tgt Ion: 76 Resp: 12131
Ion Ratio Lower Upper
76 100
78 4.1 7.4 11.0#

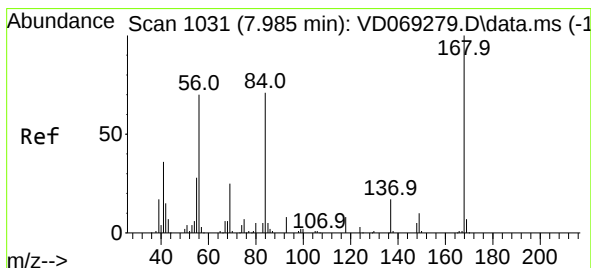
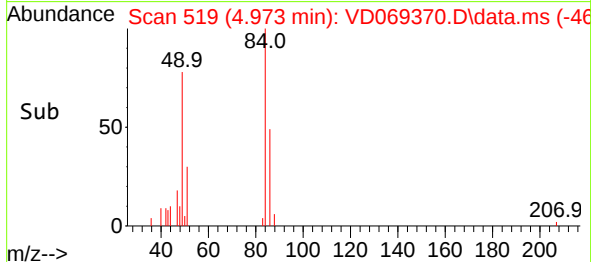
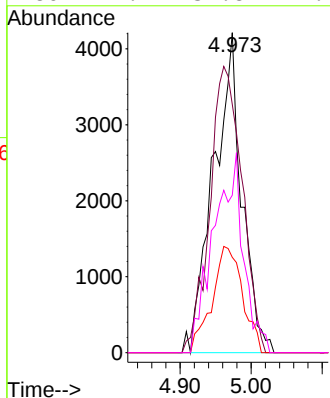
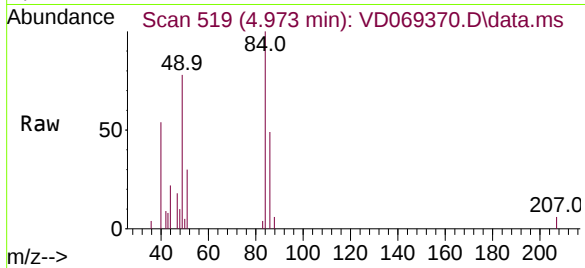




#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 519
Delta R.T. 0.006 min
Lab File: VD069370.D
Acq: 07 Jun 2021 16:14

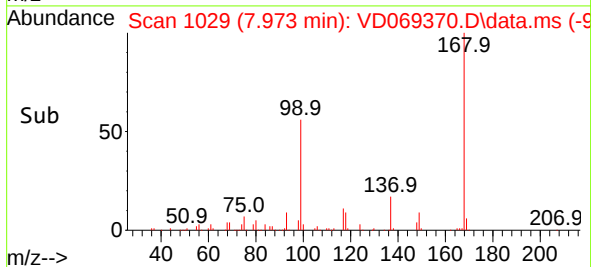
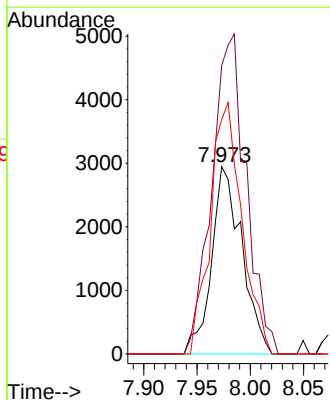
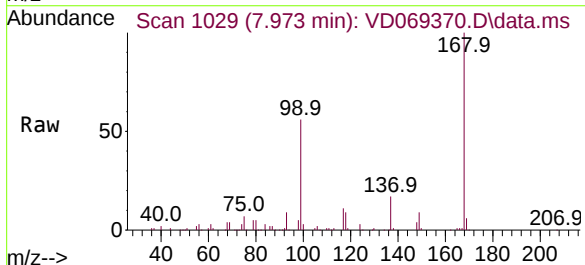
Instrument :
MSVOA_D
ClientSampleId :
18-B12(X)

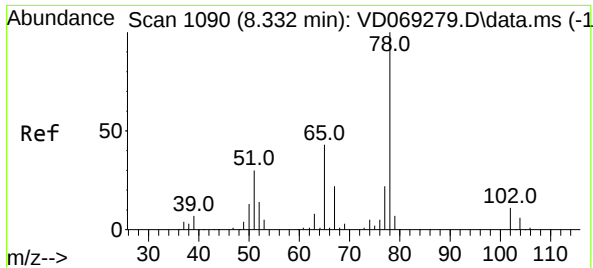
Tgt Ion: 84 Resp: 11683
Ion Ratio Lower Upper
84 100
49 77.6 83.7 125.5#
51 29.8 26.4 39.6
86 49.2 52.8 79.2#



#31
Cyclohexane
Concen: 1.40 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD069370.D
Acq: 07 Jun 2021 16:14

Tgt Ion: 56 Resp: 5819
Ion Ratio Lower Upper
56 100
69 154.2 29.0 43.4#
84 125.2 81.1 121.7#

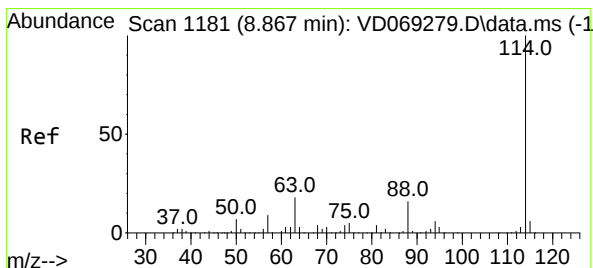
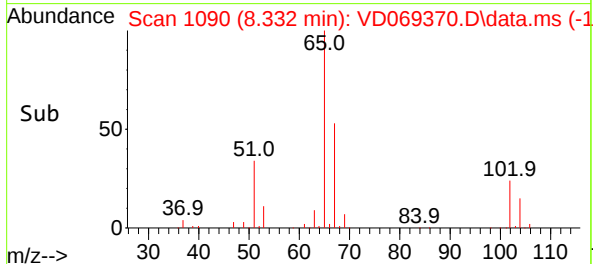
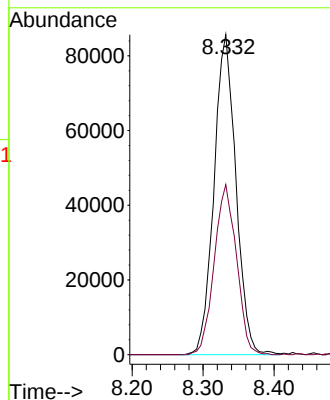
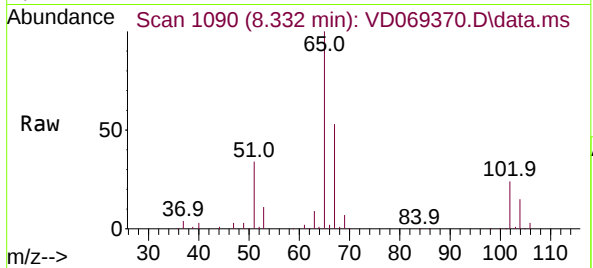




#33
1,2-Dichloroethane-d4
Concen: 70.06 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.000 min
Lab File: VD069370.D
Acq: 07 Jun 2021 16:14

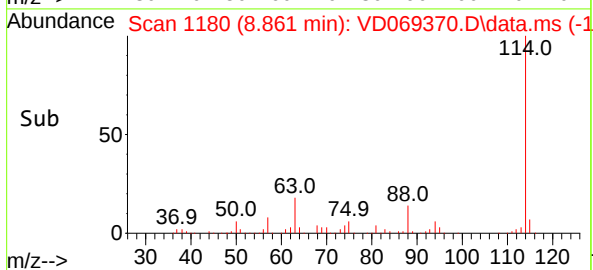
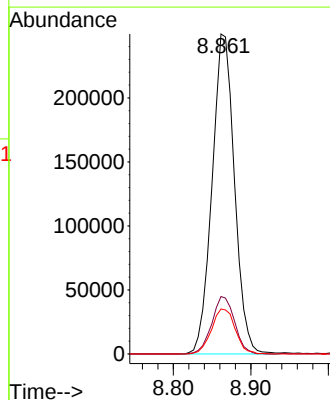
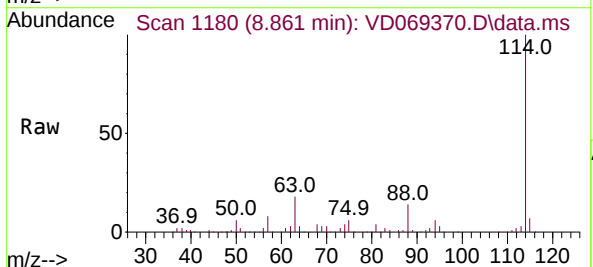
Instrument :
MSVOA_D
ClientSampleId :
18-B12(X)

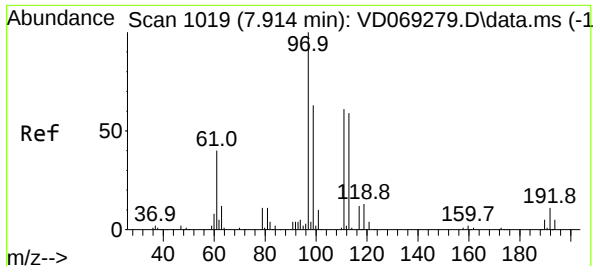
Tgt Ion: 65 Resp: 183415
Ion Ratio Lower Upper
65 100
67 53.9 0.0 105.8



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.006 min
Lab File: VD069370.D
Acq: 07 Jun 2021 16:14

Tgt Ion: 114 Resp: 501885
Ion Ratio Lower Upper
114 100
63 17.9 0.0 35.6
88 14.1 0.0 31.2





#35

Dibromofluoromethane

Concen: 58.71 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD069370.D

Acq: 07 Jun 2021 16:14

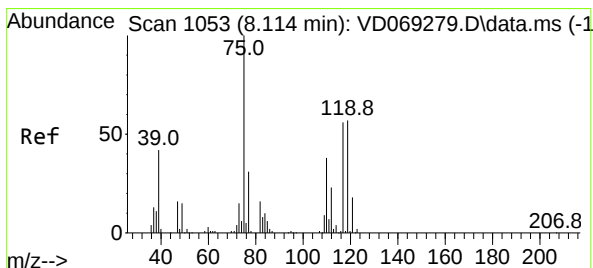
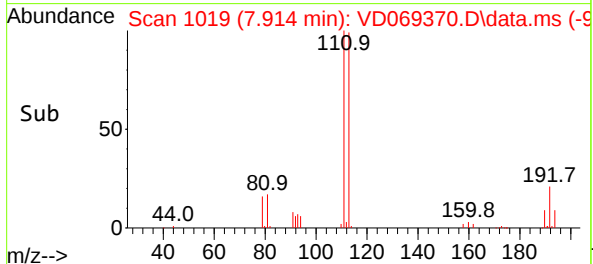
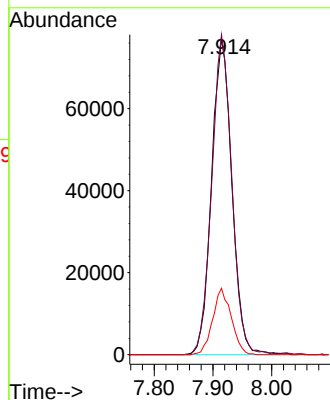
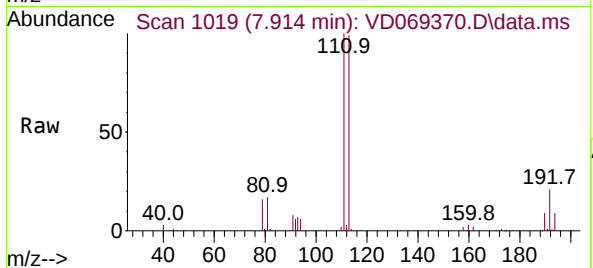
Tgt Ion:113 Resp: 185026

Ion Ratio Lower Upper

113 100

111 100.1 83.0 124.6

192 19.2 15.1 22.7



#36

1,1-Dichloropropene

Concen: 4.26 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

Lab File: VD069370.D

Acq: 07 Jun 2021 16:14

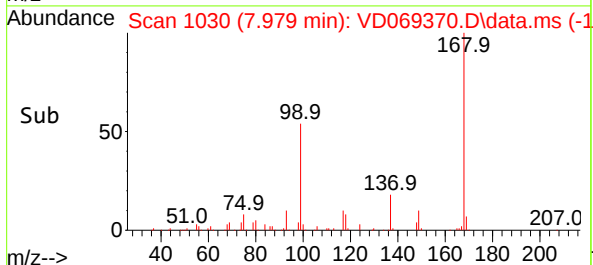
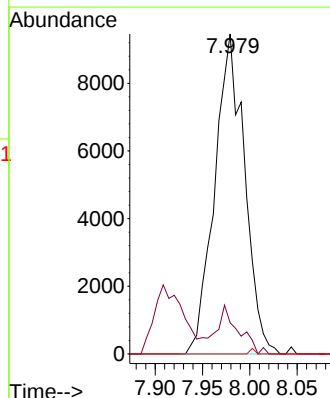
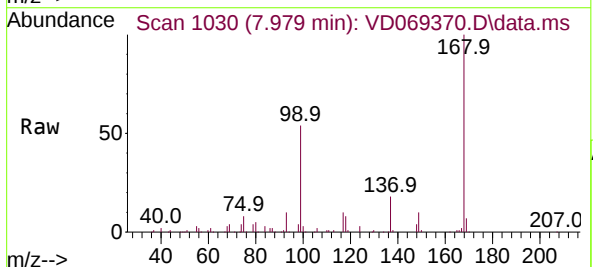
Tgt Ion: 75 Resp: 20767

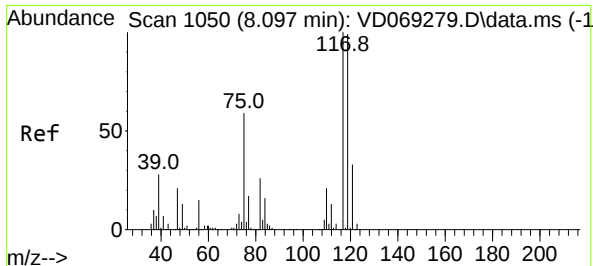
Ion Ratio Lower Upper

75 100

110 10.6 18.4 55.2#

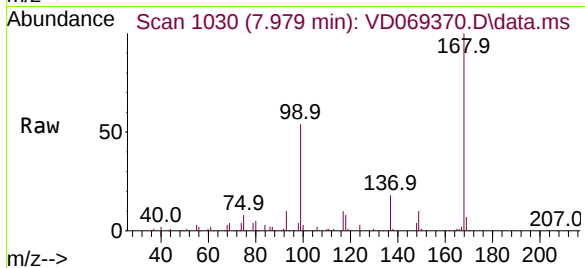
77 0.0 24.9 37.3#



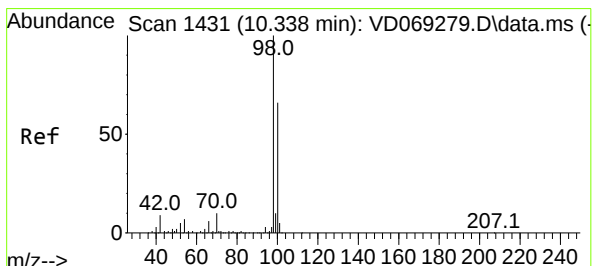
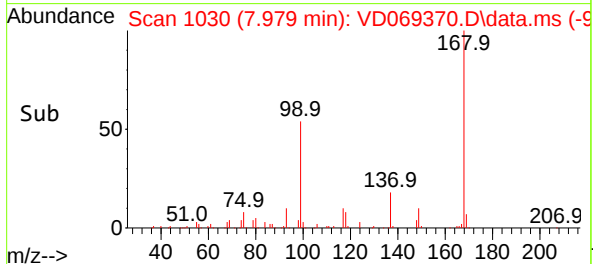
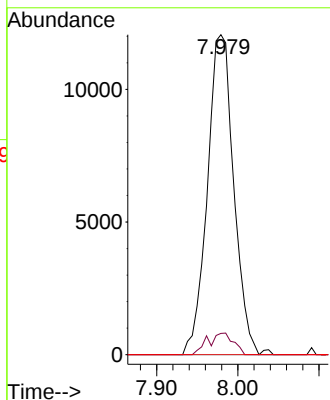


#38
Carbon Tetrachloride
Concen: 5.19 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.118 min
Lab File: VD069370.D
Acq: 07 Jun 2021 16:14

Instrument :
MSVOA_D
ClientSampleId :
18-B12(X)

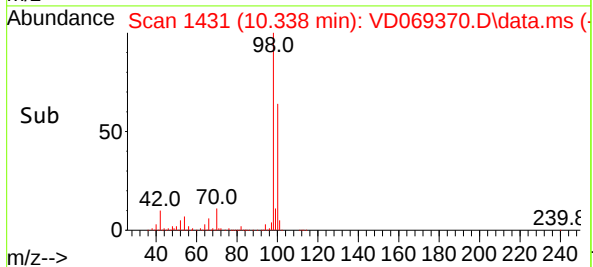
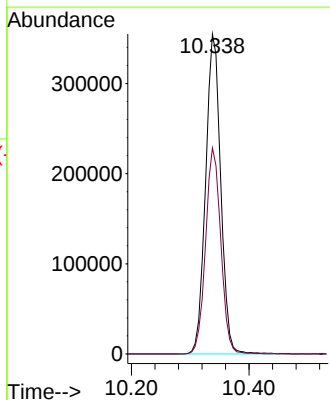
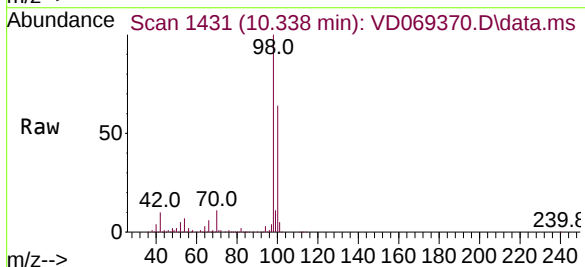


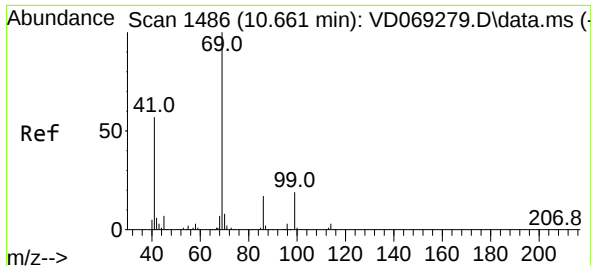
Tgt Ion:117 Resp: 27352
Ion Ratio Lower Upper
117 100
119 6.6 79.4 119.2#
121 0.0 26.1 39.1#



#50
Toluene-d8
Concen: 55.25 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD069370.D
Acq: 07 Jun 2021 16:14

Tgt Ion: 98 Resp: 633254
Ion Ratio Lower Upper
98 100
100 64.9 52.1 78.1

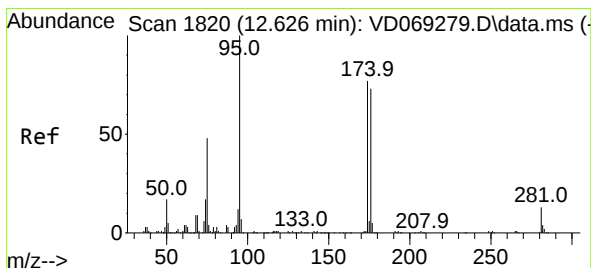
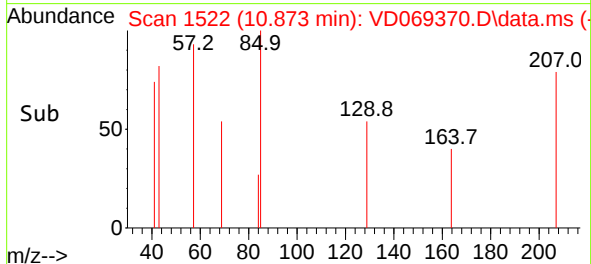
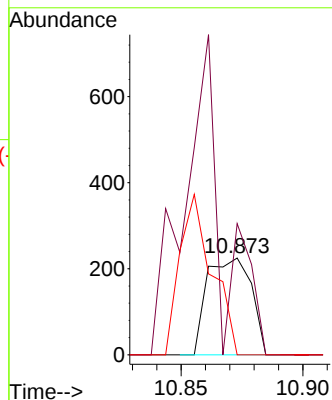
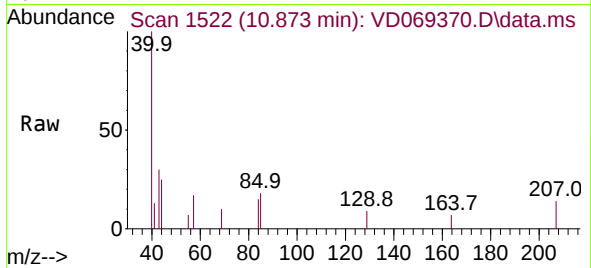




#56
Ethyl methacrylate
Concen: 2.73 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. 0.212 min
Lab File: VD069370.D
Acq: 07 Jun 2021 16:14

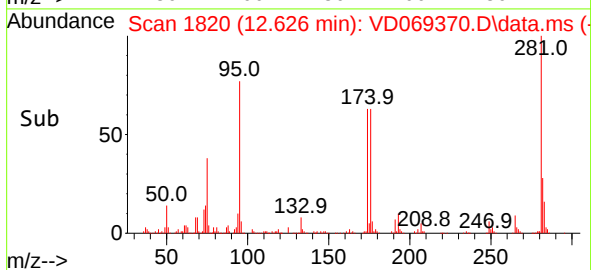
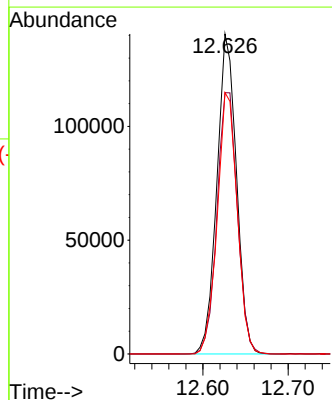
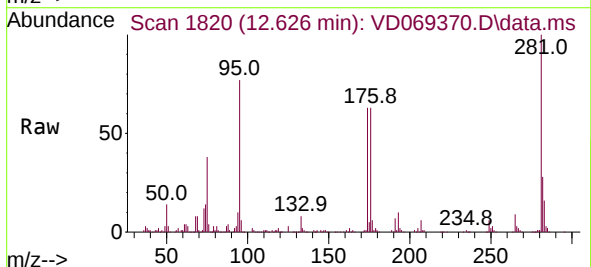
Instrument :
MSVOA_D
ClientSampleId :
18-B12(X)

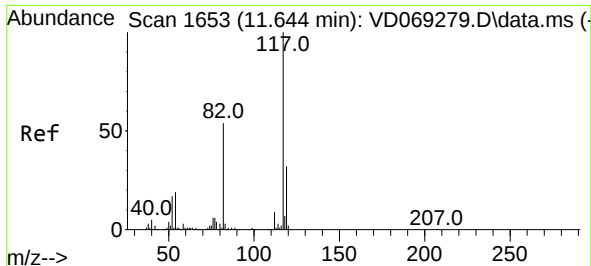
Tgt Ion: 69 Resp: 283
Ion Ratio Lower Upper
69 100
41 289.0 45.4 68.2#
39 121.2 21.7 32.5#



#62
4-Bromofluorobenzene
Concen: 59.82 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD069370.D
Acq: 07 Jun 2021 16:14

Tgt Ion: 95 Resp: 224639
Ion Ratio Lower Upper
95 100
174 85.2 0.0 162.8
176 83.0 0.0 154.4

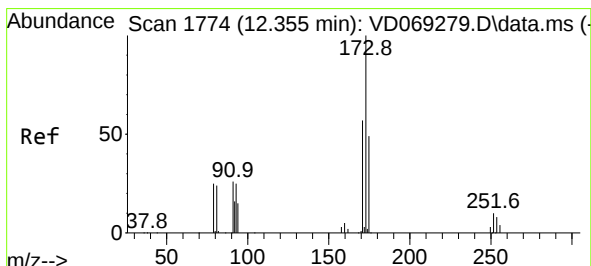
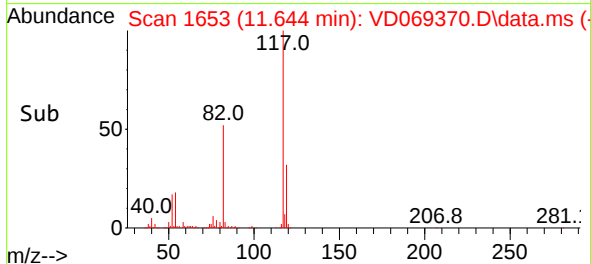
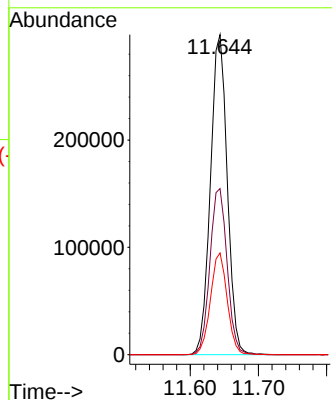
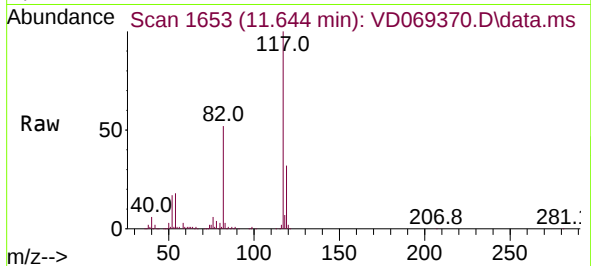




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.000 min
Lab File: VD069370.D
Acq: 07 Jun 2021 16:14

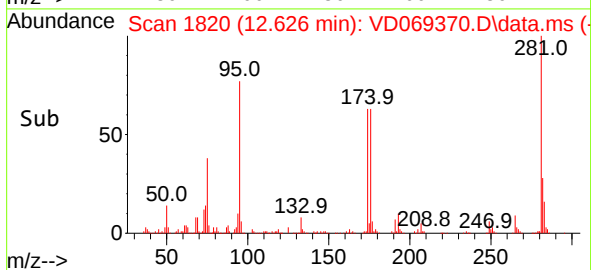
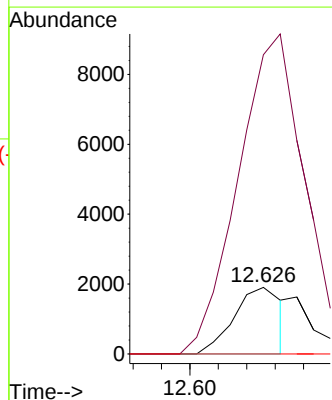
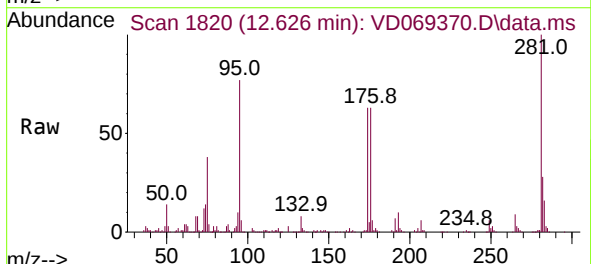
Instrument :
MSVOA_D
ClientSampleId :
18-B12(X)

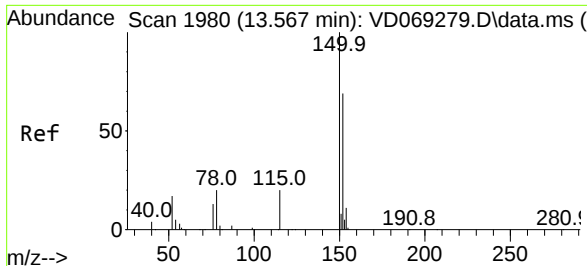
Tgt Ion:	117	Resp:	512497
Ion	Ratio	Lower	Upper
117	100		
82	51.9	43.3	64.9
119	31.8	25.3	37.9



#71
Bromoform
Concen: 1.09 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD069370.D
Acq: 07 Jun 2021 16:14

Tgt Ion:	173	Resp:	2228
Ion	Ratio	Lower	Upper
173	100		
175	0.0	23.8	71.2#
254	0.0	0.0	0.0

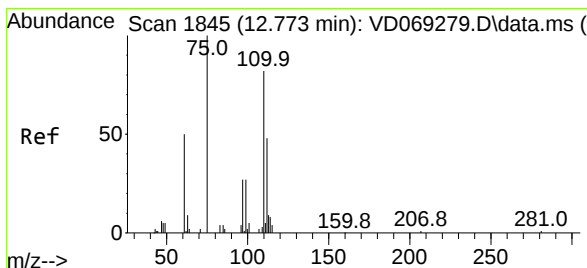
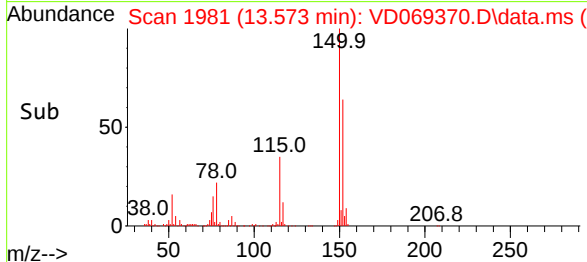
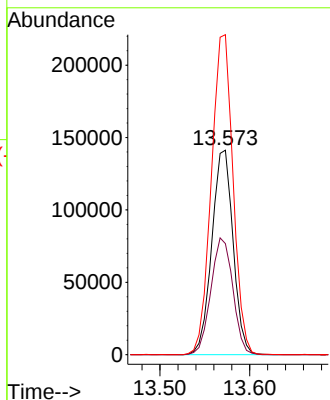
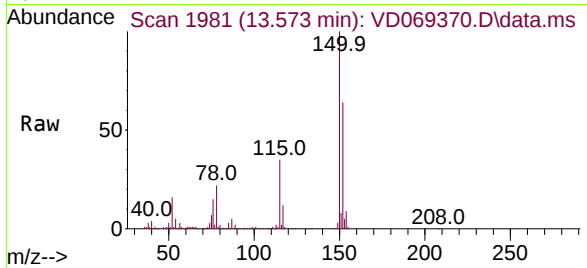




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.573 min Scan# 1981
 Delta R.T. 0.006 min
 Lab File: VD069370.D
 Acq: 07 Jun 2021 16:14

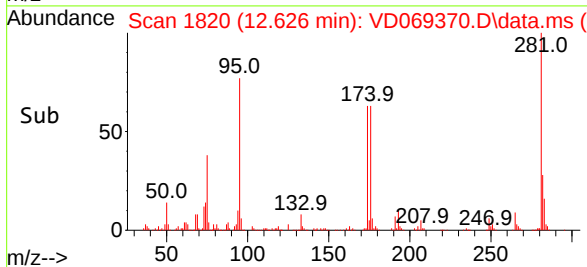
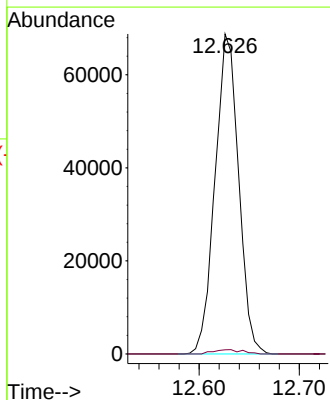
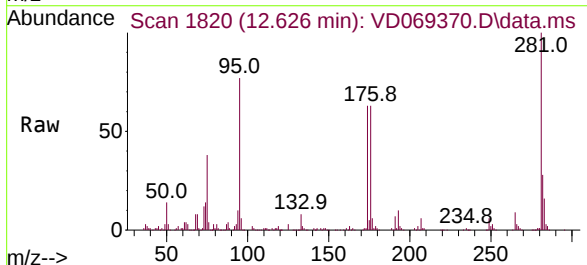
Instrument :
 MSVOA_D
 ClientSampleId :
 18-B12(X)

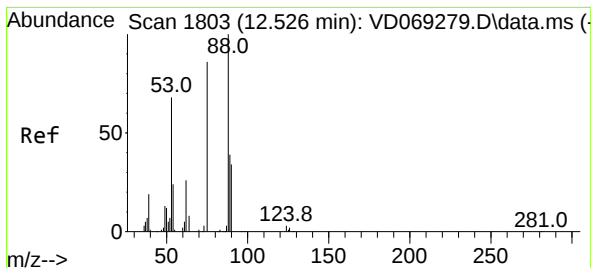
Tgt Ion:152 Resp: 232759
 Ion Ratio Lower Upper
 152 100
 115 58.8 29.4 88.3
 150 159.4 0.0 355.0



#76
 1,2,3-Trichloropropane
 Concen: 55.49 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD069370.D
 Acq: 07 Jun 2021 16:14

Tgt Ion: 75 Resp: 112225
 Ion Ratio Lower Upper
 75 100
 77 1.7 183.8 551.2#

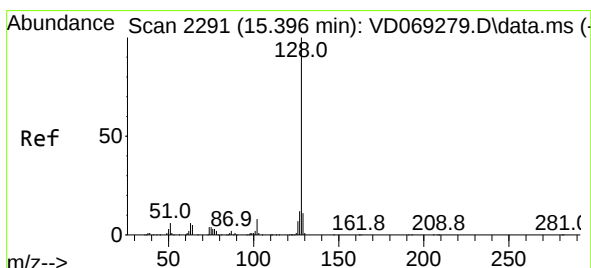
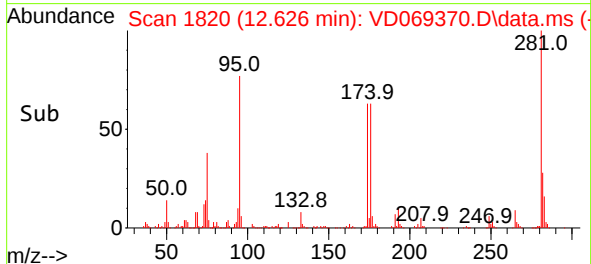
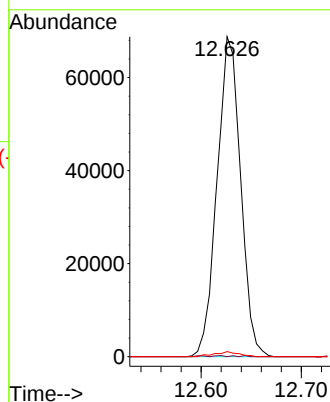
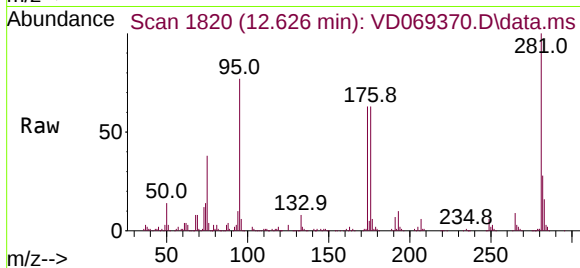




#81
trans-1,4-Dichloro-2-butene
Concen: 122.98 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069370.D
Acq: 07 Jun 2021 16:14

Instrument :
MSVOA_D
ClientSampleId :
18-B12(X)

Tgt Ion: 75 Resp: 112225
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 1.6 35.6 53.4#



#95
Naphthalene
Concen: 3.33 ug/l
RT: 15.390 min Scan# 2290
Delta R.T. -0.006 min
Lab File: VD069370.D
Acq: 07 Jun 2021 16:14

Tgt Ion:128 Resp: 209
Ion Ratio Lower Upper
128 100
127 65.6 10.4 15.6#
129 25.8 8.8 13.2#

