

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110321\
 Data File : VD070915.D
 Acq On : 03 Nov 2021 17:29
 Operator : VA/SY
 Sample : M4475-05
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 03 22:12:09 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D102621S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 27 05:34:47 2021
 Response via : Initial Calibration

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

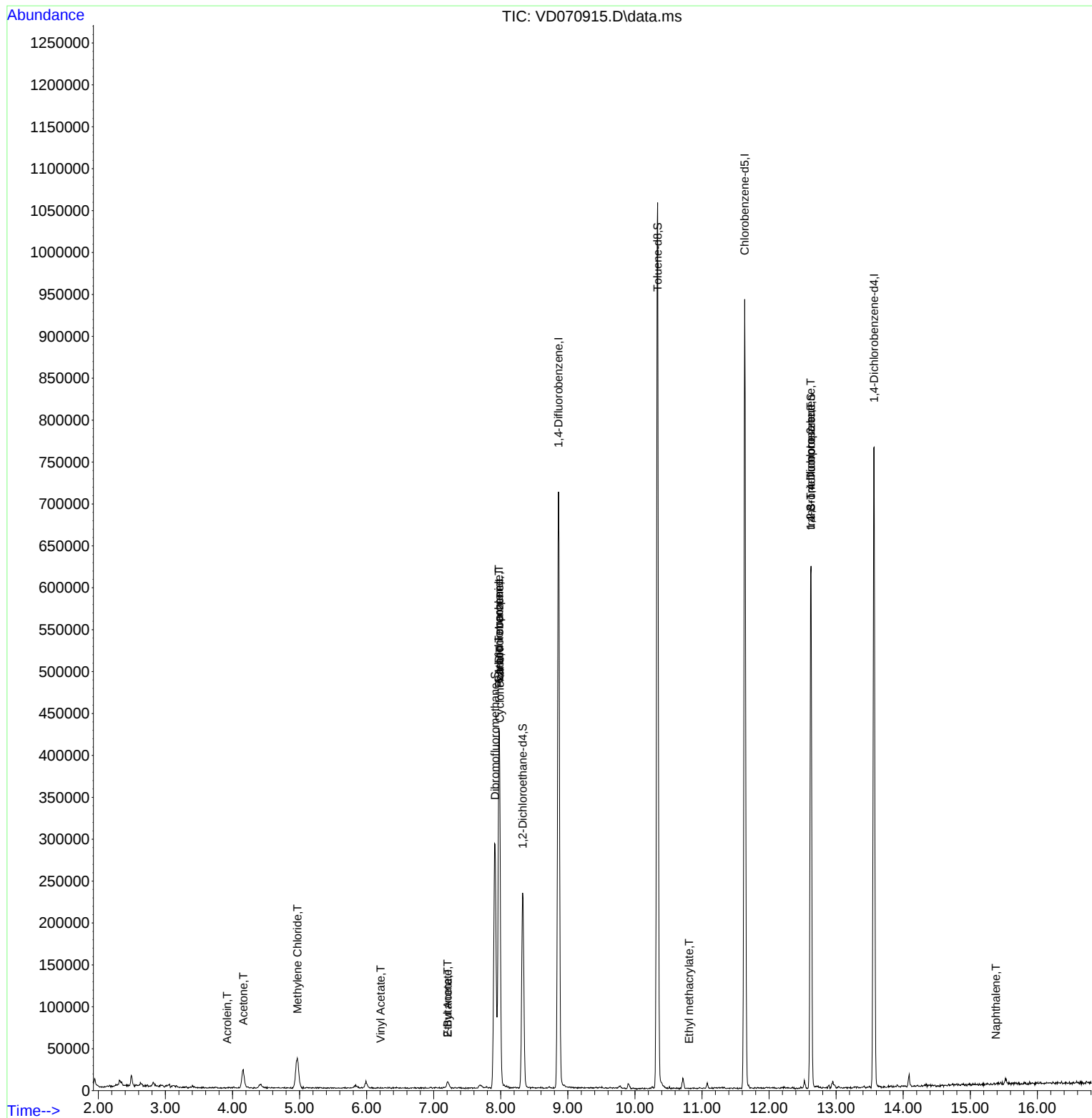
Internal Standards						
1) Pentafluorobenzene	7.979	168	335044	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	625072	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	605943	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	236947	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	183002	54.308	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.620%			
35) Dibromofluoromethane	7.914	113	222148	53.901	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.800%			
50) Toluene-d8	10.338	98	771170	49.736	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.480%			
62) 4-Bromofluorobenzene	12.626	95	219923	42.988	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 85.980%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.785	94	453	Below Cal	#	17
13) Acrolein	3.920	56	635	3.954	ug/l #	57
16) Acetone	4.161	43	35823	45.694	ug/l	100
20) Methylene Chloride	4.967	84	29555	1.342	ug/l	92
23) Vinyl Acetate	6.208	43	54	14.424	ug/l #	72
25) 2-Butanone	7.208	43	11211	11.619	ug/l	98
31) Cyclohexane	7.985	56	7445	1.084	ug/l #	58
36) 1,1-Dichloropropene	7.973	75	25490	3.898	ug/l #	50
37) Ethyl Acetate	7.208	43	11211	4.611	ug/l #	66
38) Carbon Tetrachloride	7.973	117	33063	5.027	ug/l #	19
56) Ethyl methacrylate	10.808	69	54	2.853	ug/l #	28
76) 1,2,3-Trichloropropane	12.620	75	94294	40.425	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	94294	106.103	ug/l #	18
95) Naphthalene	15.384	128	409	4.175	ug/l #	69

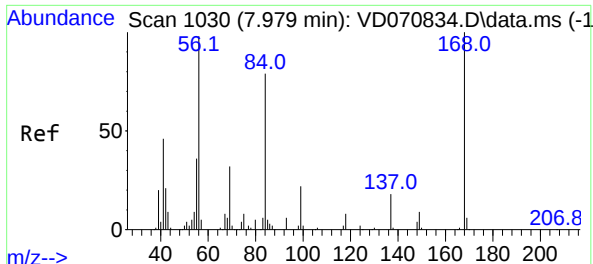
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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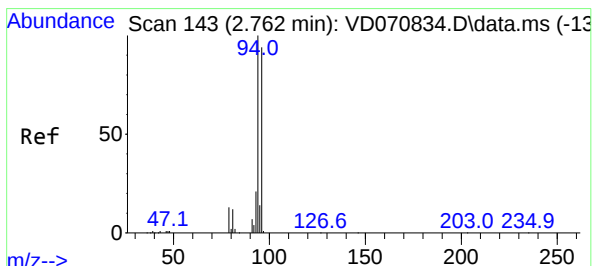
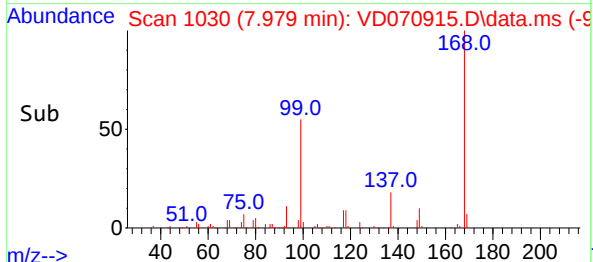
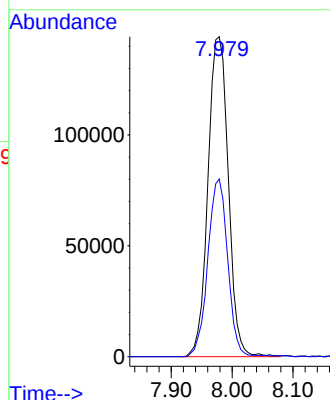
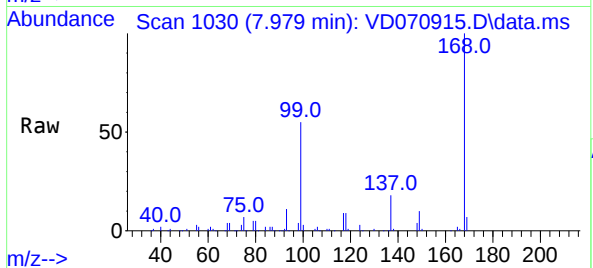




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. -0.000 min
Lab File: VD070915.D
Acq: 03 Nov 2021 17:29

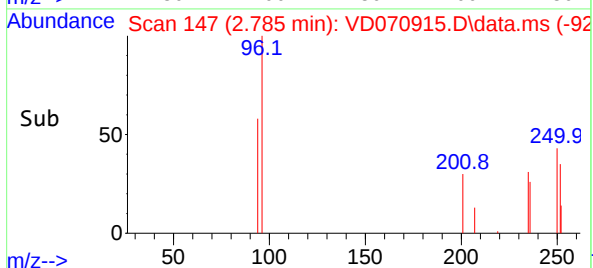
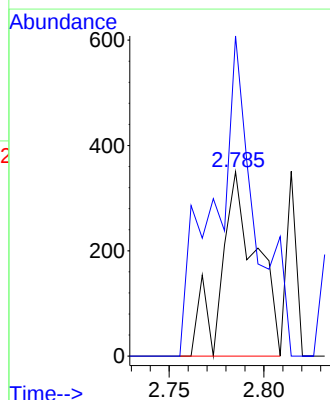
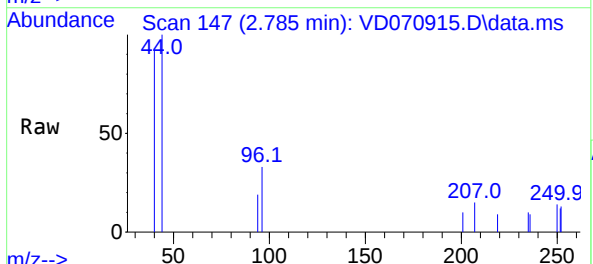
Instrument :
MSVOA_D
ClientSampleId :

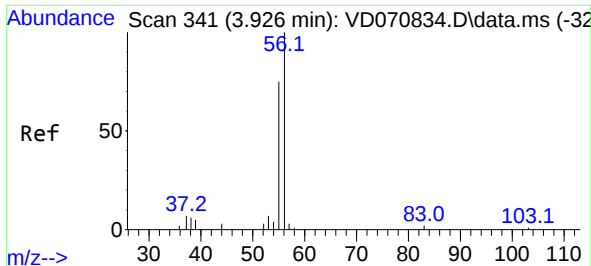
Tgt Ion:168 Resp: 335044
Ion Ratio Lower Upper
168 100
99 55.5 46.6 69.8



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.023 min
Lab File: VD070915.D
Acq: 03 Nov 2021 17:29

Tgt Ion: 94 Resp: 453
Ion Ratio Lower Upper
94 100
96 173.7 74.8 112.2#

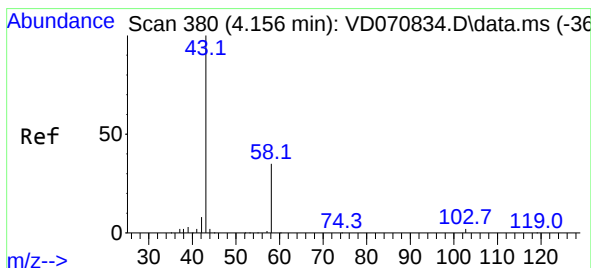
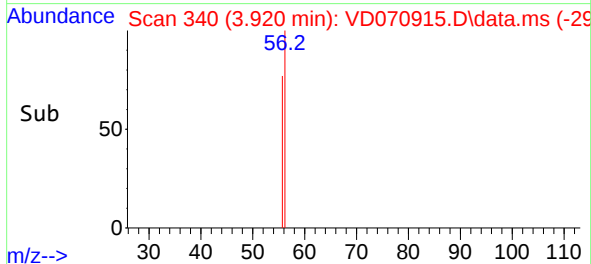
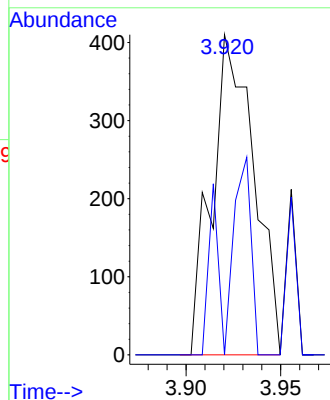
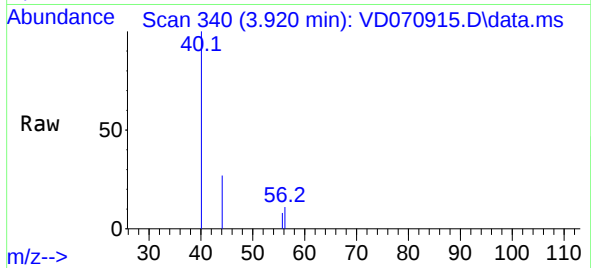




#13
Acrolein
Concen: 3.954 ug/l
RT: 3.920 min Scan# 341
Delta R.T. -0.006 min
Lab File: VD070915.D
Acq: 03 Nov 2021 17:29

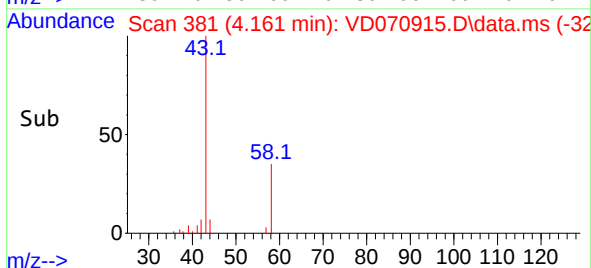
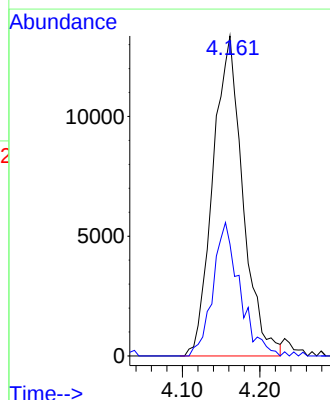
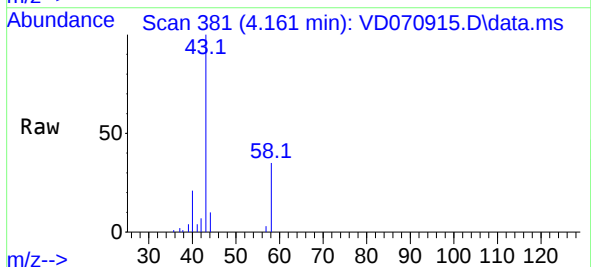
Instrument :
MSVOA_D
ClientSampleId :

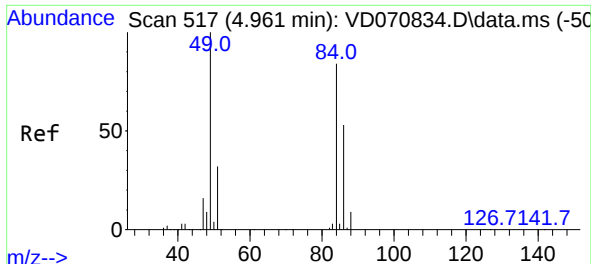
Tgt Ion: 56 Resp: 635
Ion Ratio Lower Upper
56 100
55 37.2 58.6 87.8#



#16
Acetone
Concen: 45.694 ug/l
RT: 4.161 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070915.D
Acq: 03 Nov 2021 17:29

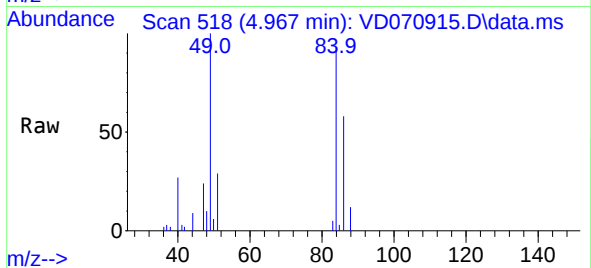
Tgt Ion: 43 Resp: 35823
Ion Ratio Lower Upper
43 100
58 34.9 27.8 41.8



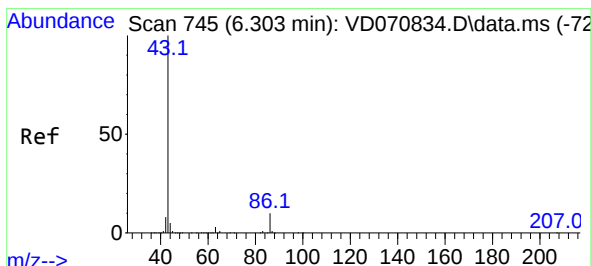
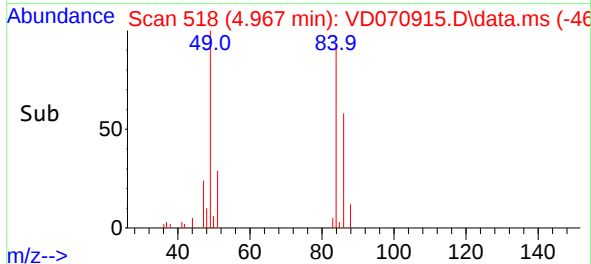
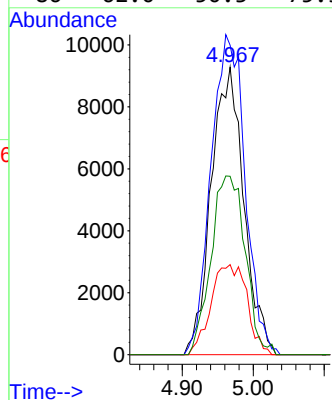


#20
Methylene Chloride
Concen: 1.342 ug/l
RT: 4.967 min Scan# 517
Delta R.T. 0.006 min
Lab File: VD070915.D
Acq: 03 Nov 2021 17:29

Instrument :
MSVOA_D
ClientSampleId :

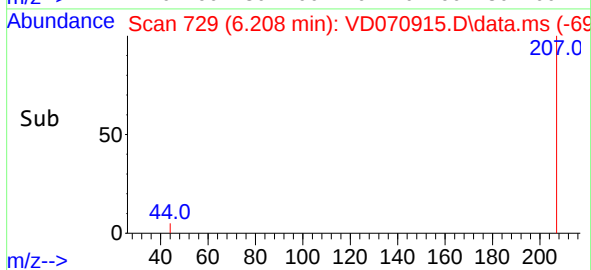
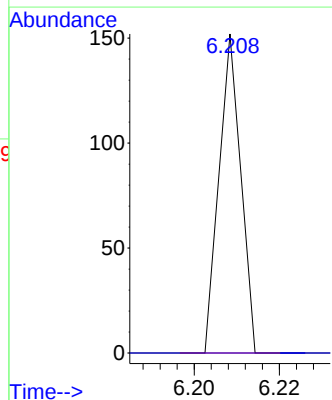
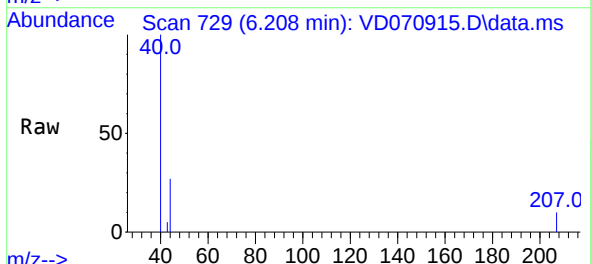


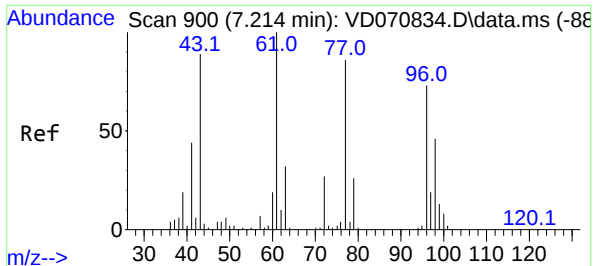
Tgt Ion:	84	Resp:	29555
Ion	Ratio	Lower	Upper
84	100		
49	107.6	95.8	143.6
51	31.3	30.9	46.3
86	62.0	50.3	75.5



#23
Vinyl Acetate
Concen: 14.424 ug/l
RT: 6.208 min Scan# 729
Delta R.T. -0.095 min
Lab File: VD070915.D
Acq: 03 Nov 2021 17:29

Tgt Ion:	43	Resp:	54
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.2	12.4#





#25

2-Butanone

Concen: 11.619 ug/l

RT: 7.208 min Scan# 899

Delta R.T. -0.006 min

Lab File: VD070915.D

Acq: 03 Nov 2021 17:29

Instrument :

MSVOA_D

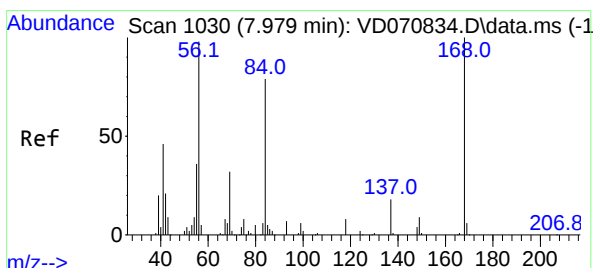
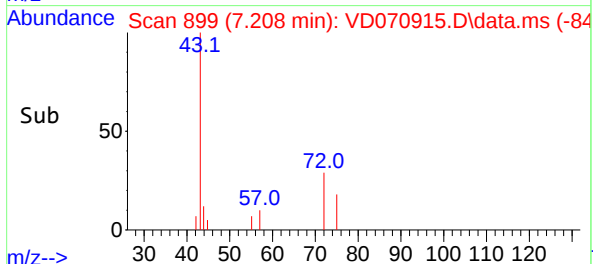
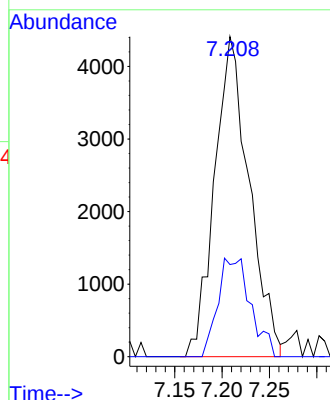
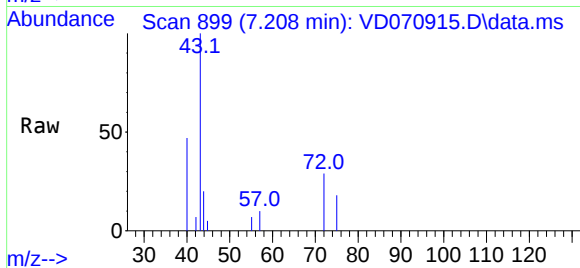
ClientSampleId :

Tgt Ion: 43 Resp: 11211

Ion Ratio Lower Upper

43 100

72 28.8 23.8 35.6



#31

Cyclohexane

Concen: 1.084 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. 0.006 min

Lab File: VD070915.D

Acq: 03 Nov 2021 17:29

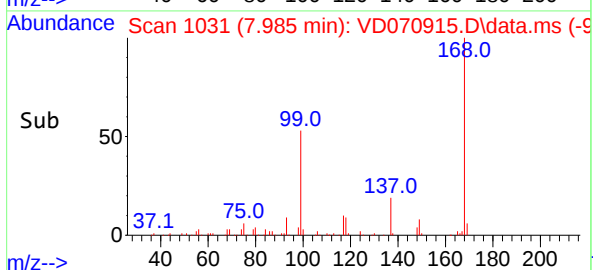
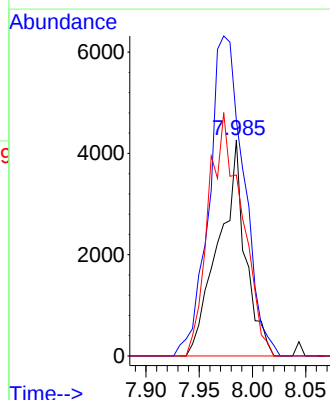
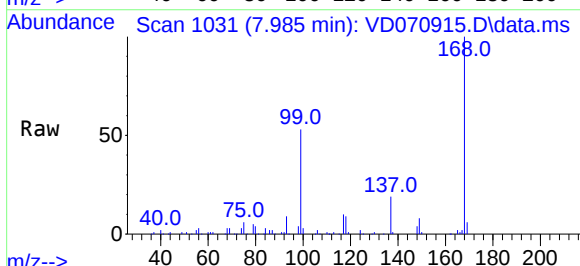
Tgt Ion: 56 Resp: 7445

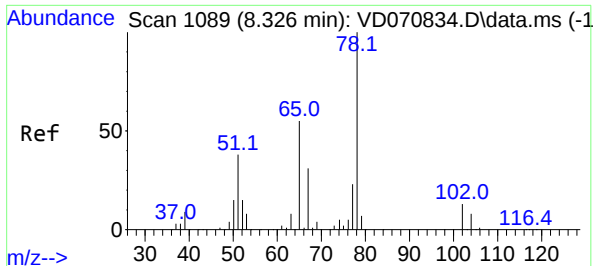
Ion Ratio Lower Upper

56 100

69 109.1 25.9 38.9#

84 83.8 64.3 96.5

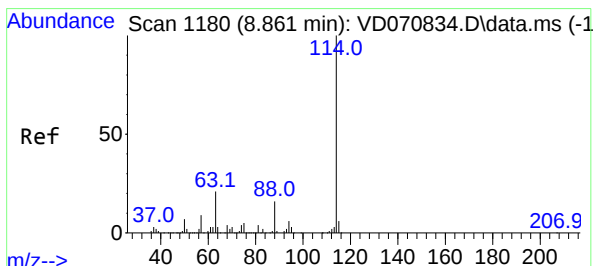
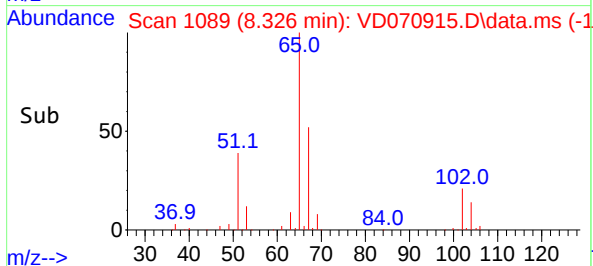
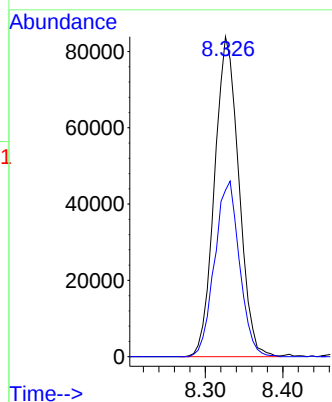
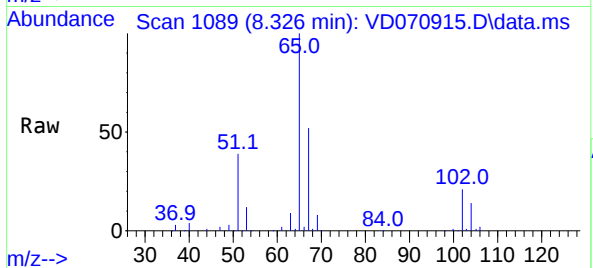




#33
1,2-Dichloroethane-d4
Concen: 54.308 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070915.D
Acq: 03 Nov 2021 17:29

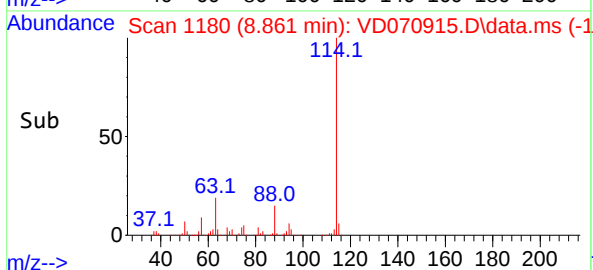
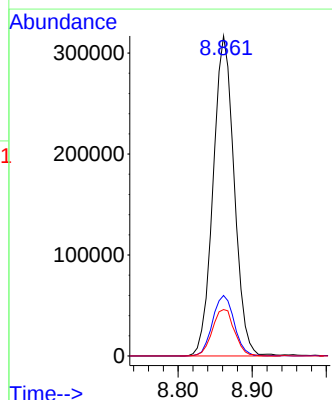
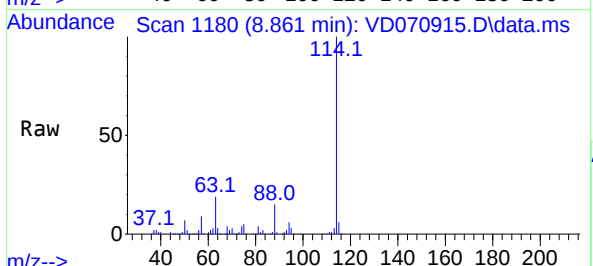
Instrument :
MSVOA_D
ClientSampleId :

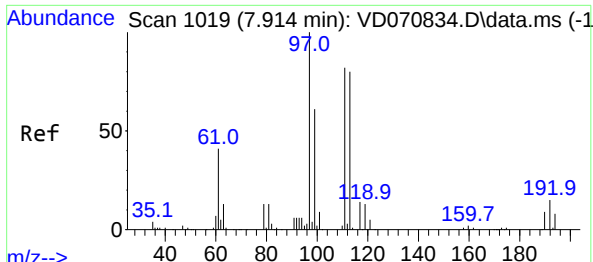
Tgt Ion: 65 Resp: 183002
Ion Ratio Lower Upper
65 100
67 56.1 0.0 112.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070915.D
Acq: 03 Nov 2021 17:29

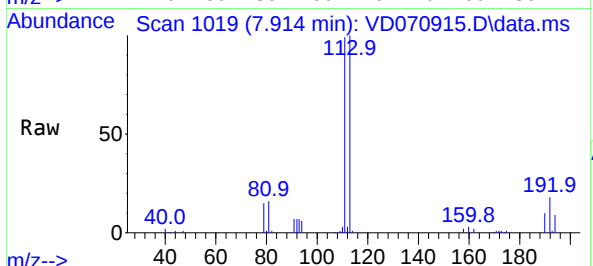
Tgt Ion:114 Resp: 625072
Ion Ratio Lower Upper
114 100
63 18.9 0.0 41.8
88 14.5 0.0 32.8



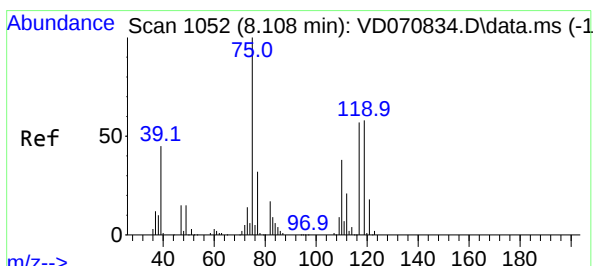
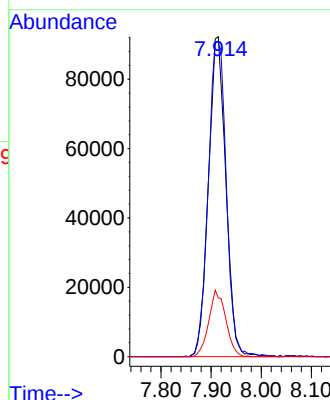
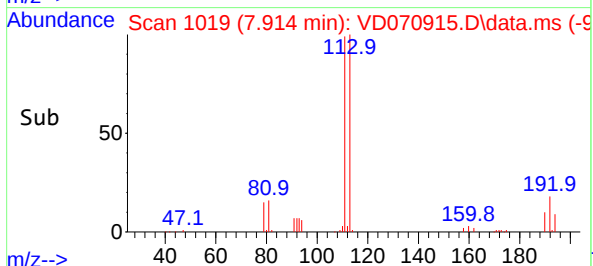


#35
Dibromofluoromethane
Concen: 53.901 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. 0.000 min
Lab File: VD070915.D
Acq: 03 Nov 2021 17:29

Instrument :
MSVOA_D
ClientSampleId :

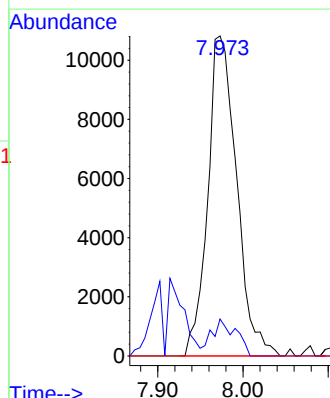
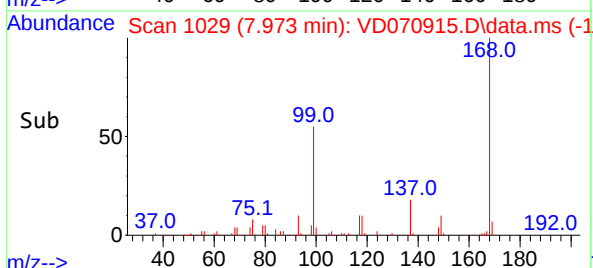
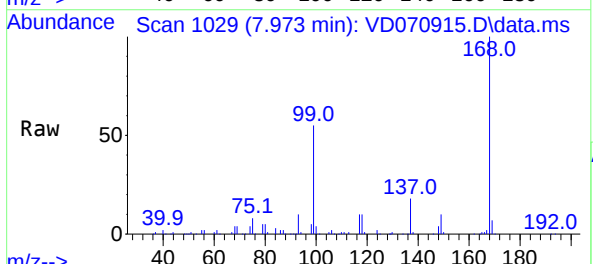


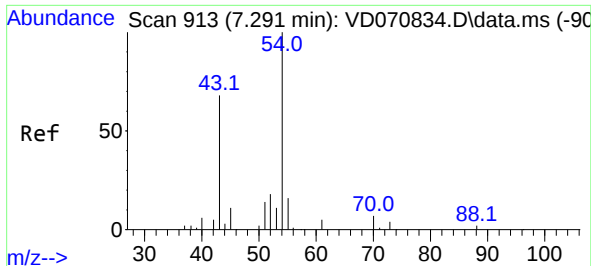
Tgt Ion:113 Resp: 222148
Ion Ratio Lower Upper
113 100
111 102.2 82.0 123.0
192 20.3 15.2 22.8



#36
1,1-Dichloropropene
Concen: 3.898 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070915.D
Acq: 03 Nov 2021 17:29

Tgt Ion: 75 Resp: 25490
Ion Ratio Lower Upper
75 100
110 9.6 17.8 53.4#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 4.611 ug/l

RT: 7.208 min Scan# 899

Delta R.T. -0.082 min

Lab File: VD070915.D

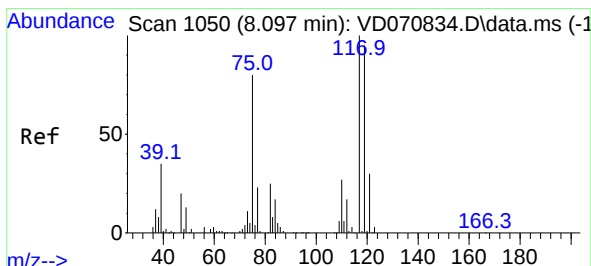
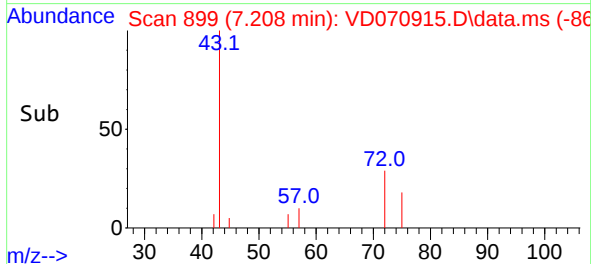
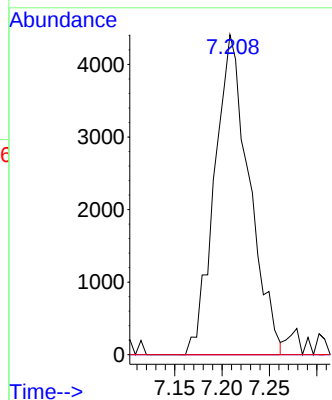
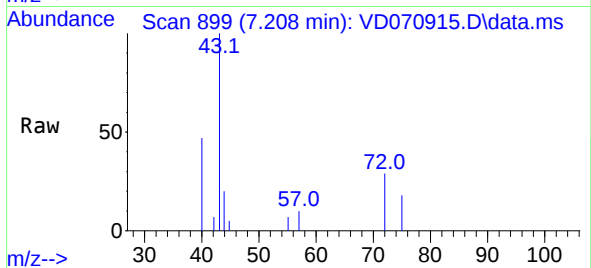
Acq: 03 Nov 2021 17:29

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:	43	Resp:	11211
Ion	Ratio	Lower	Upper
43	100		
61	0.0	13.0	19.6#
70	0.0	8.7	13.1#



#38

Carbon Tetrachloride

Concen: 5.027 ug/l

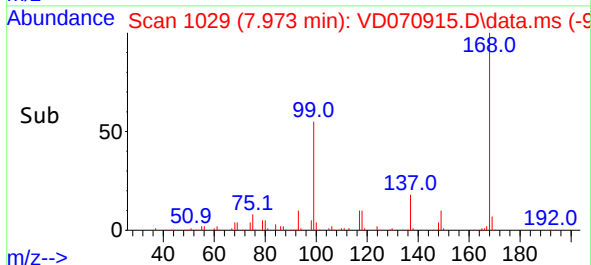
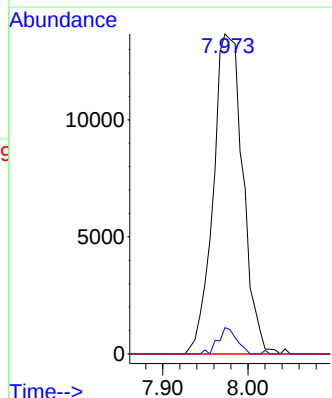
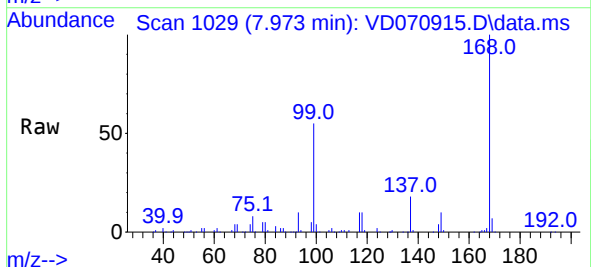
RT: 7.973 min Scan# 1029

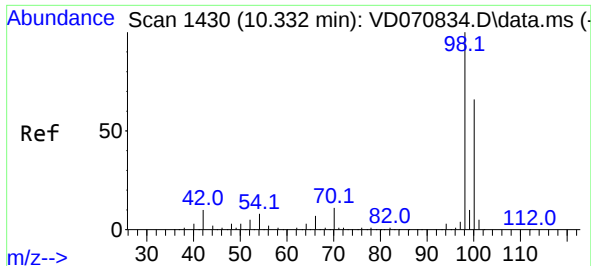
Delta R.T. -0.124 min

Lab File: VD070915.D

Acq: 03 Nov 2021 17:29

Tgt Ion:	117	Resp:	33063
Ion	Ratio	Lower	Upper
117	100		
119	8.2	75.8	113.6#
121	0.0	23.6	35.4#

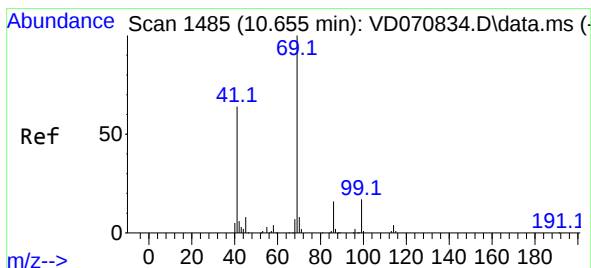
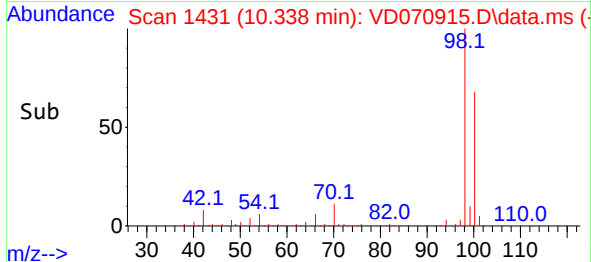
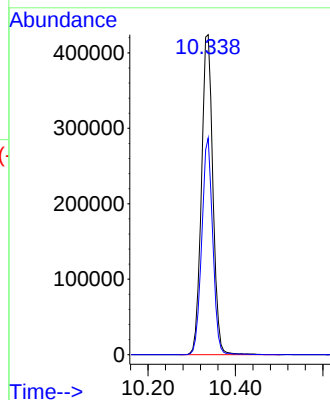
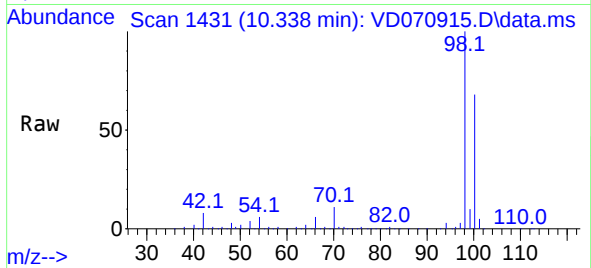




#50
Toluene-d8
Concen: 49.736 ug/l
RT: 10.338 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VD070915.D
Acq: 03 Nov 2021 17:29

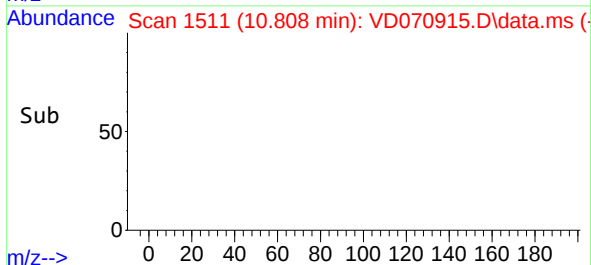
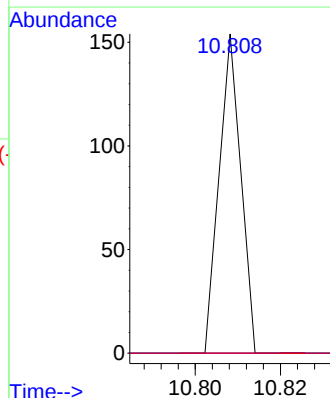
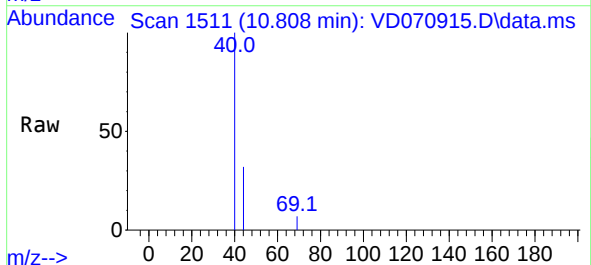
Instrument :
MSVOA_D
ClientSampleId :

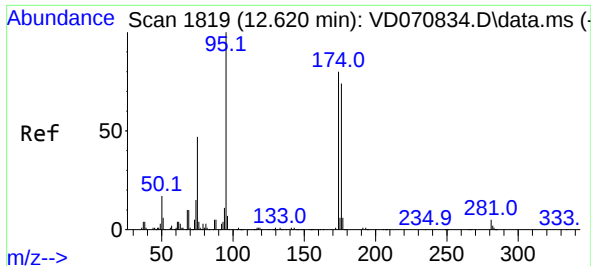
Tgt Ion: 98 Resp: 771170
Ion Ratio Lower Upper
98 100
100 65.0 51.8 77.6



#56
Ethyl methacrylate
Concen: 2.853 ug/l
RT: 10.808 min Scan# 1511
Delta R.T. 0.153 min
Lab File: VD070915.D
Acq: 03 Nov 2021 17:29

Tgt Ion: 69 Resp: 54
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 0.0 19.8 29.8#

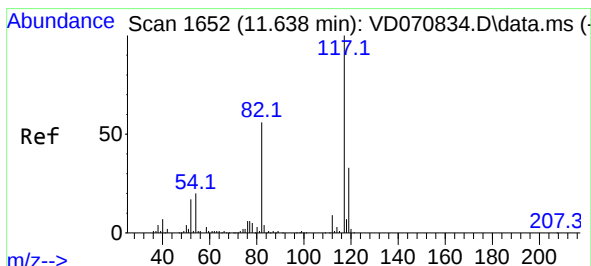
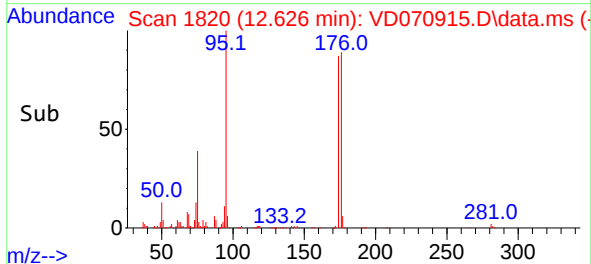
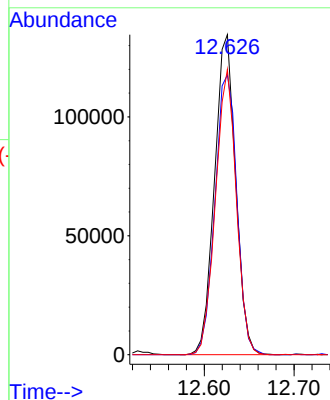
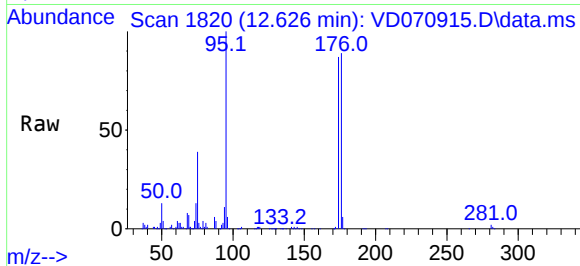




#62
4-Bromofluorobenzene
Concen: 42.988 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD070915.D
Acq: 03 Nov 2021 17:29

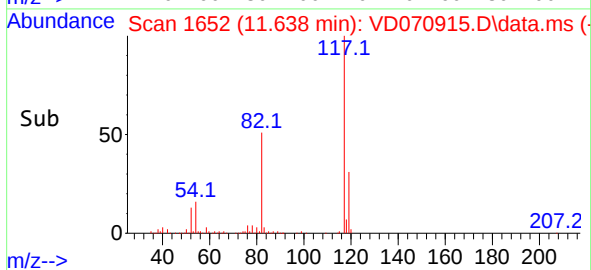
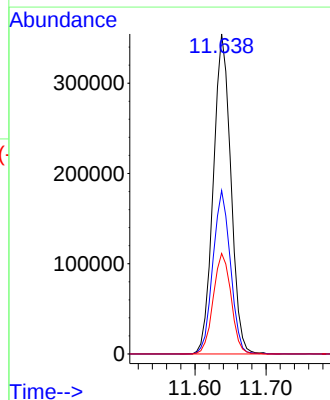
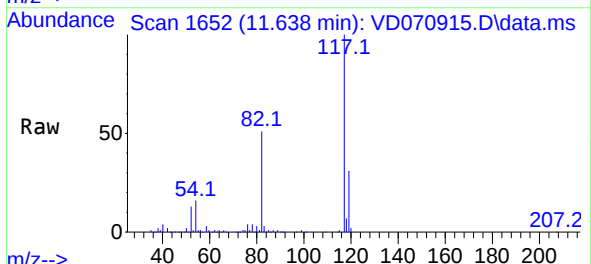
Instrument :
MSVOA_D
ClientSampleId :

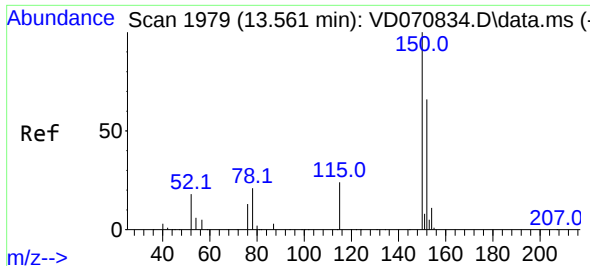
Tgt Ion: 95 Resp: 219923
Ion Ratio Lower Upper
95 100
174 91.0 0.0 159.4
176 87.8 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070915.D
Acq: 03 Nov 2021 17:29

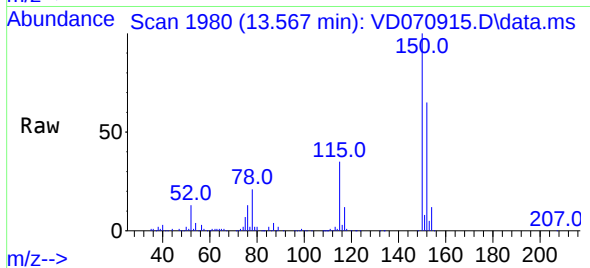
Tgt Ion: 117 Resp: 605943
Ion Ratio Lower Upper
117 100
82 51.1 44.7 67.1
119 31.4 26.2 39.4





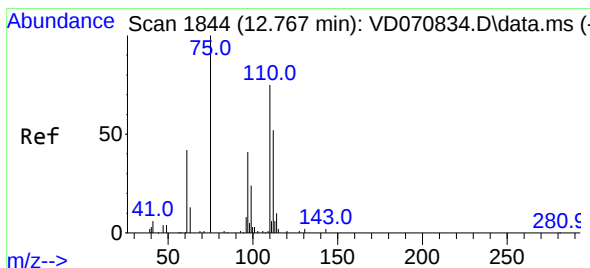
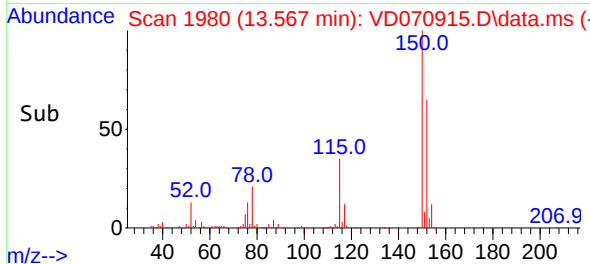
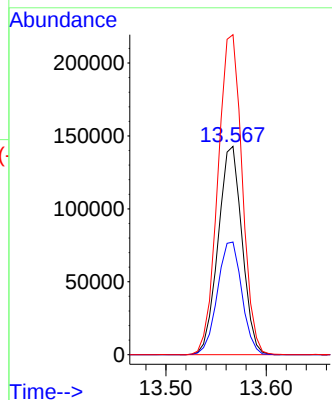
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1979
 Delta R.T. 0.006 min
 Lab File: VD070915.D
 Acq: 03 Nov 2021 17:29

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:152 Resp: 236947

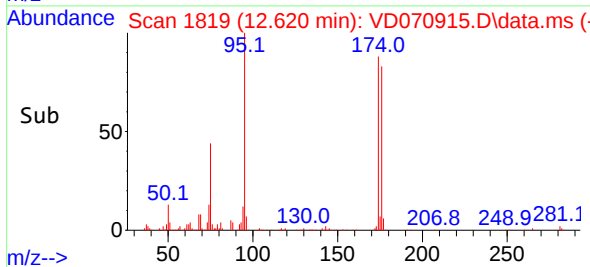
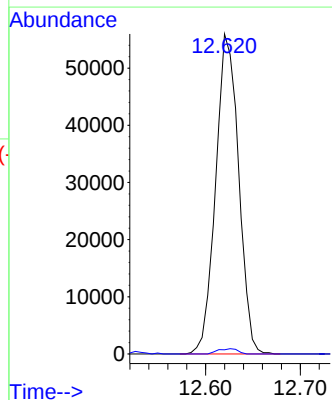
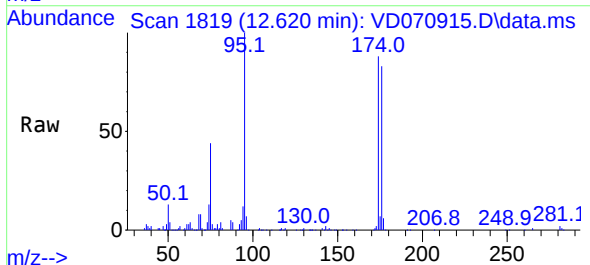
Ion	Ratio	Lower	Upper
152	100		
115	55.2	29.8	89.3
150	155.9	0.0	349.2

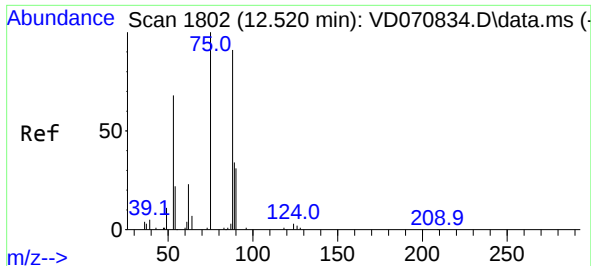


#76
 1,2,3-Trichloropropane
 Concen: 40.425 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD070915.D
 Acq: 03 Nov 2021 17:29

Tgt Ion: 75 Resp: 94294

Ion	Ratio	Lower	Upper
75	100		
77	1.4	158.4	475.3#

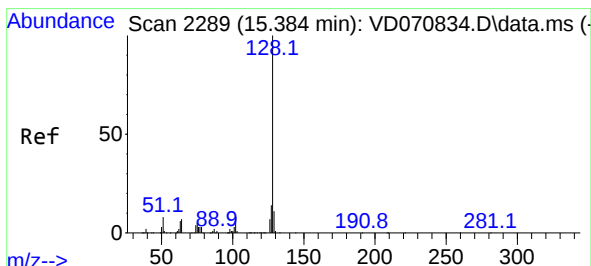
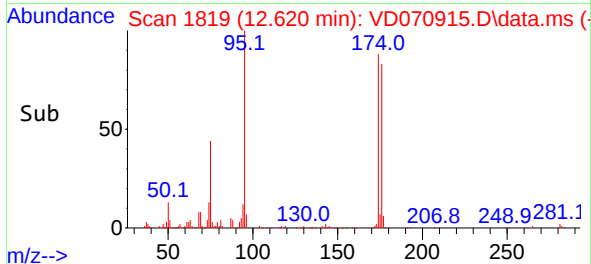
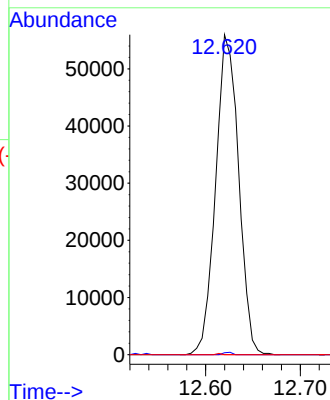
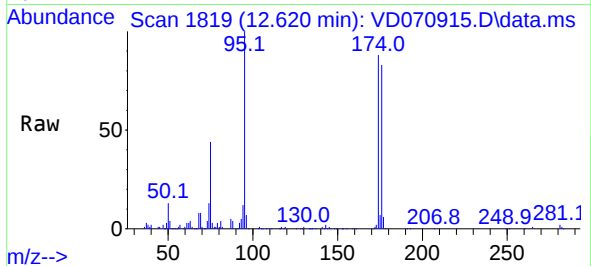




#81
trans-1,4-Dichloro-2-butene
Concen: 106.103 ug/l
RT: 12.620 min Scan# 1802
Delta R.T. 0.100 min
Lab File: VD070915.D
Acq: 03 Nov 2021 17:29

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 94294
Ion Ratio Lower Upper
75 100
53 0.3 62.6 94.0#
89 0.1 34.5 51.7#



#95
Naphthalene
Concen: 4.175 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. 0.000 min
Lab File: VD070915.D
Acq: 03 Nov 2021 17:29

Tgt Ion:128 Resp: 409
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.7 13.1#

