

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081621\
 Data File : VD070073.D
 Acq On : 16 Aug 2021 18:14
 Operator : VA/SY
 Sample : M3343-09
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 17 03:57:26 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 14 02:33:51 2021
 Response via : Initial Calibration

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

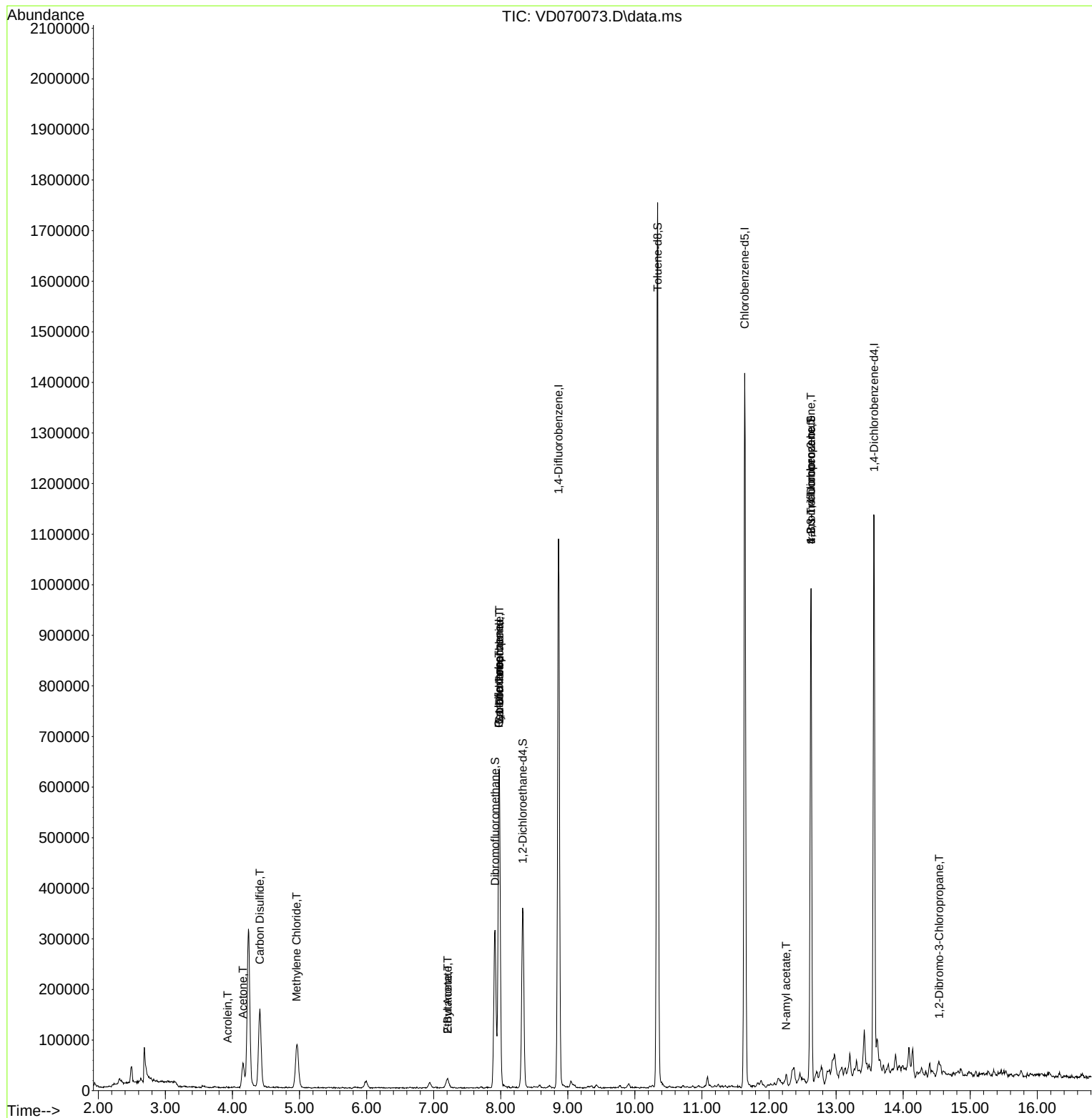
Internal Standards						
1) Pentafluorobenzene	7.973	168	449585	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	927893	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	831429	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	292075	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	278293	52.629	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.260%	
35) Dibromofluoromethane	7.914	113	235237	39.240	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 78.480%	
50) Toluene-d8	10.338	98	1197141	51.343	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.680%	
62) 4-Bromofluorobenzene	12.626	95	345990	45.052	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 90.100%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	586	Below Cal	#	42
3) Chloromethane	2.209	50	1147	Below Cal		92
5) Bromomethane	2.773	94	1866	Below Cal	#	65
13) Acrolein	3.926	56	342	1.016	ug/l #	78
16) Acetone	4.156	43	85502	87.775	ug/l	99
17) Carbon Disulfide	4.409	76	335600	17.378	ug/l	100
20) Methylene Chloride	4.956	84	70224	2.899	ug/l	96
25) 2-Butanone	7.208	43	17356	13.039	ug/l	94
31) Cyclohexane	7.973	56	11048	1.056	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	41183	4.126	ug/l #	50
37) Ethyl Acetate	7.208	43	17356	4.787	ug/l #	72
38) Carbon Tetrachloride	7.979	117	49837	5.499	ug/l #	14
74) N-amyl acetate	12.255	43	6685	1.456	ug/l #	61
76) 1,2,3-Trichloropropane	12.626	75	165289	55.802	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	165289	144.842	ug/l #	18
92) 1,2-Dibromo-3-Chloropr...	14.538	75	4551	7.169	ug/l #	8

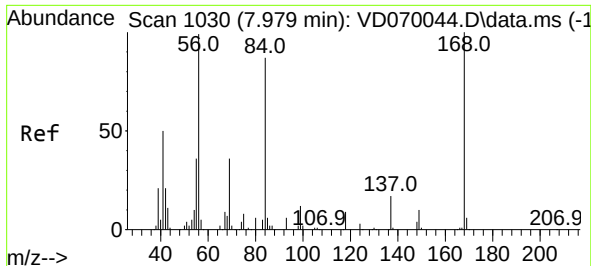
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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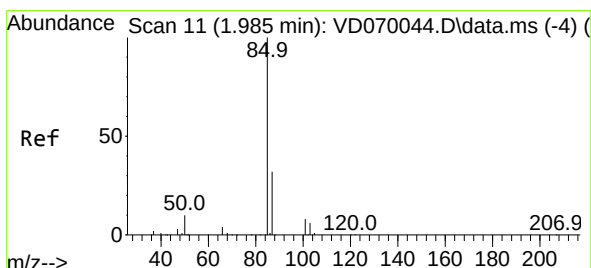
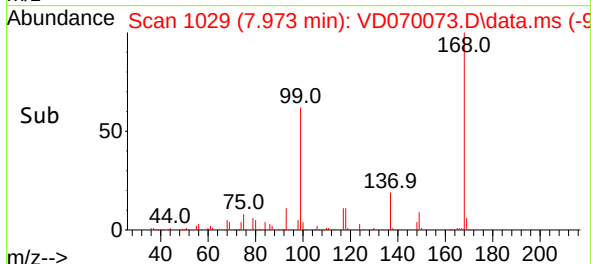
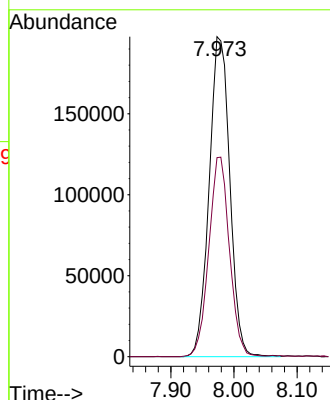
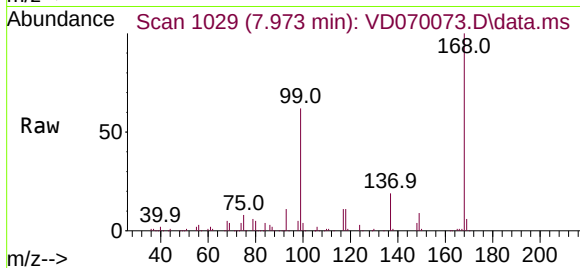




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070073.D
Acq: 16 Aug 2021 18:14

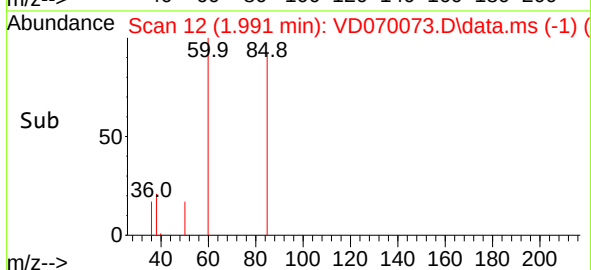
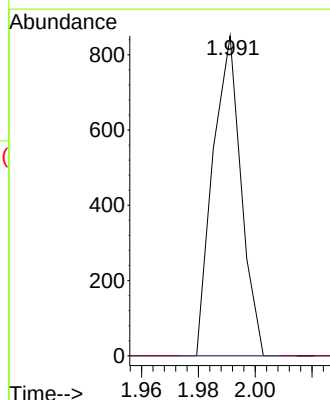
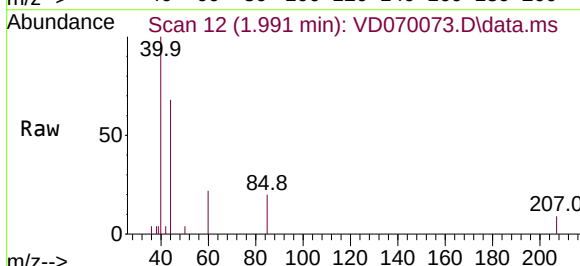
Instrument :
MSVOA_D
ClientSampleId :

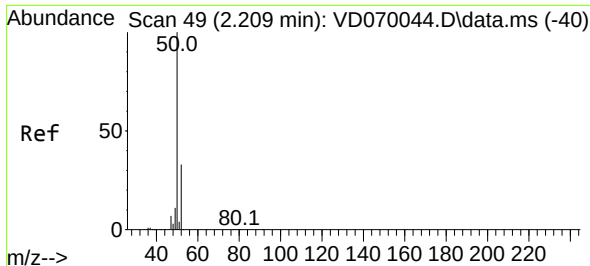
Tgt Ion:168 Resp: 449585
Ion Ratio Lower Upper
168 100
99 62.2 50.3 75.5



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.006 min
Lab File: VD070073.D
Acq: 16 Aug 2021 18:14

Tgt Ion: 85 Resp: 586
Ion Ratio Lower Upper
85 100
87 0.0 16.2 48.6#

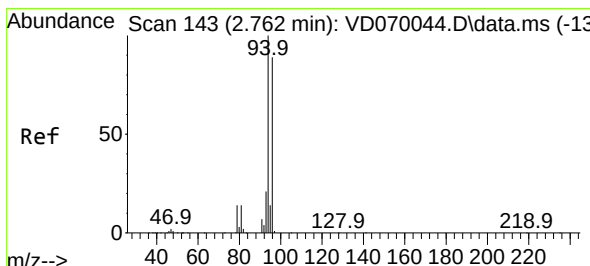
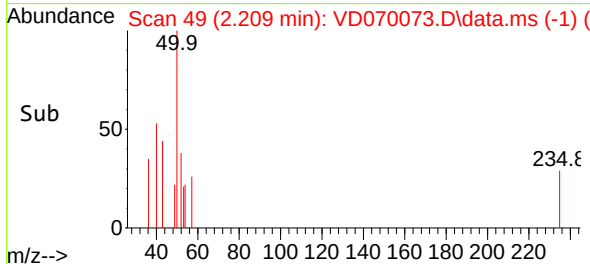
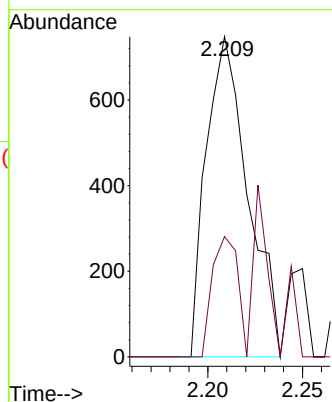
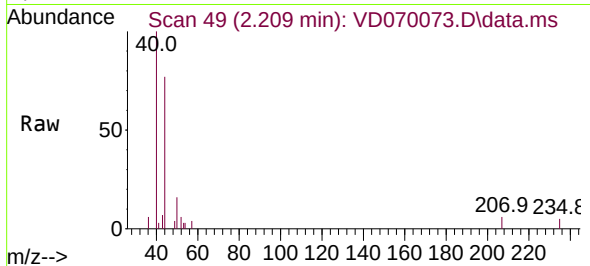




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070073.D
Acq: 16 Aug 2021 18:14

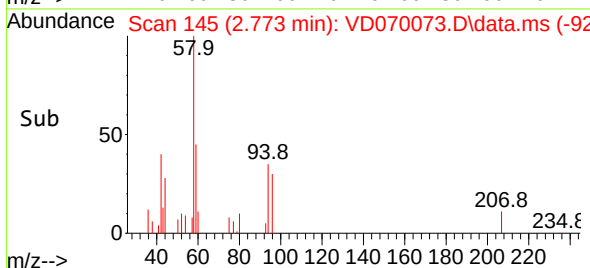
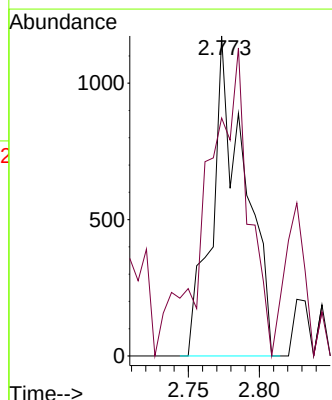
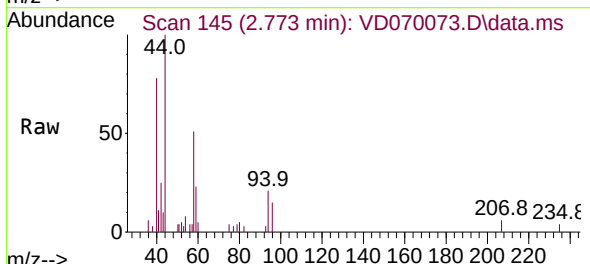
Instrument :
MSVOA_D
ClientSampled :

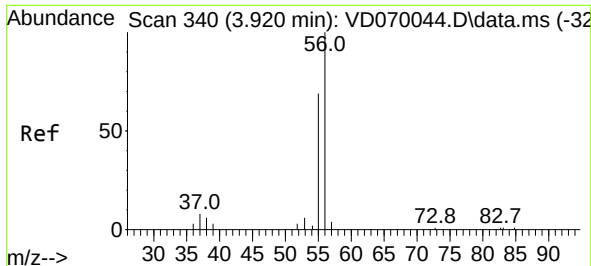
Tgt Ion: 50 Resp: 1147
Ion Ratio Lower Upper
50 100
52 37.6 26.3 39.5



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD070073.D
Acq: 16 Aug 2021 18:14

Tgt Ion: 94 Resp: 1866
Ion Ratio Lower Upper
94 100
96 56.4 70.9 106.3#

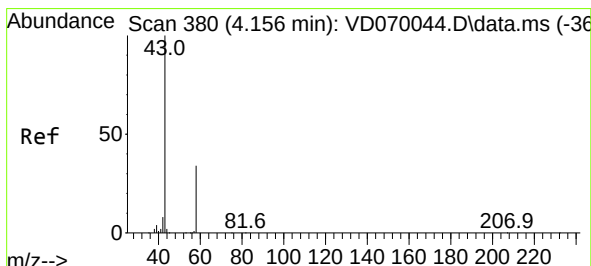
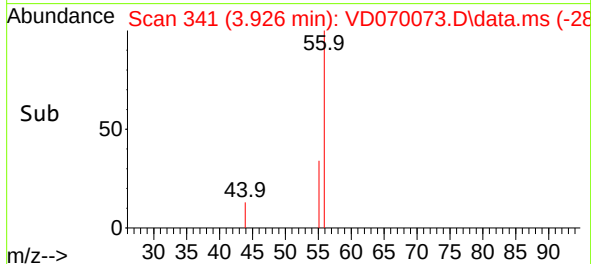
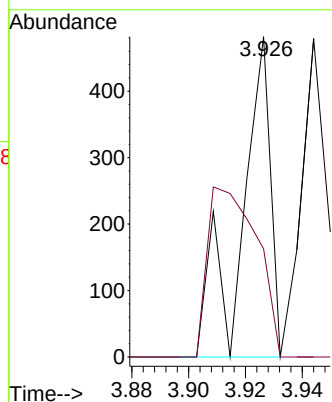
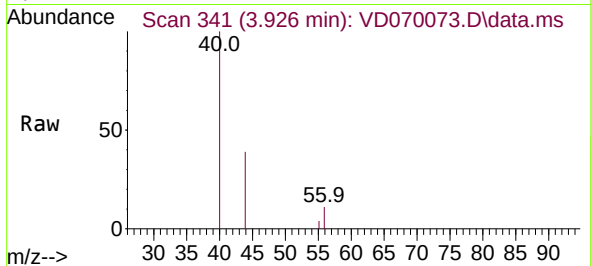




#13
Acrolein
Concen: 1.016 ug/l
RT: 3.926 min Scan# 341
Delta R.T. 0.006 min
Lab File: VD070073.D
Acq: 16 Aug 2021 18:14

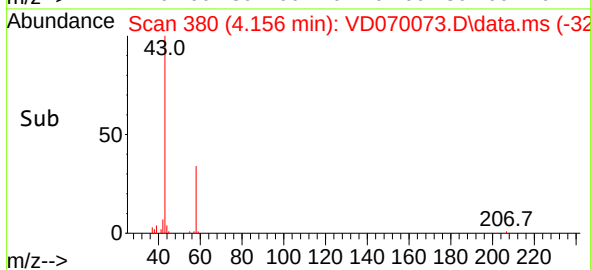
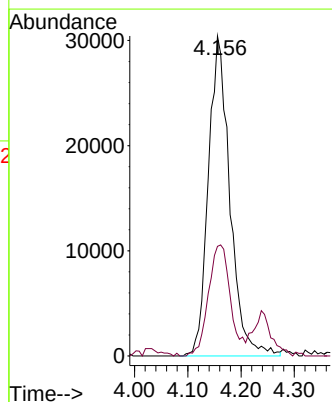
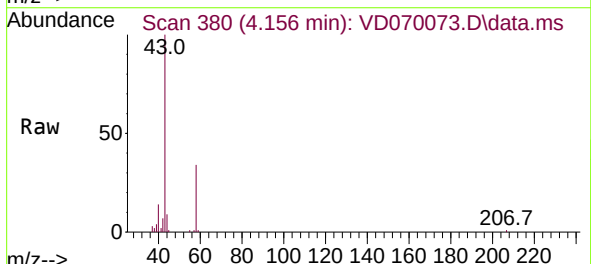
Instrument :
MSVOA_D
ClientSampled :

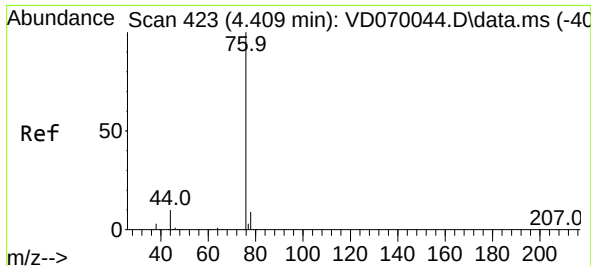
Tgt Ion: 56 Resp: 342
Ion Ratio Lower Upper
56 100
55 90.1 57.4 86.0#



#16
Acetone
Concen: 87.775 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD070073.D
Acq: 16 Aug 2021 18:14

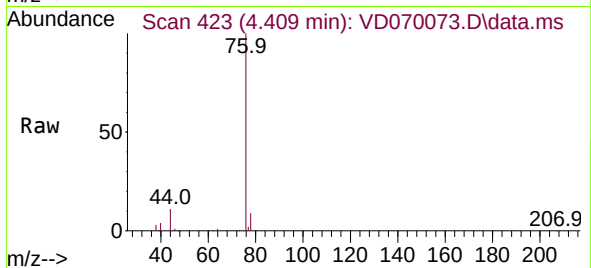
Tgt Ion: 43 Resp: 85502
Ion Ratio Lower Upper
43 100
58 34.3 26.8 40.2



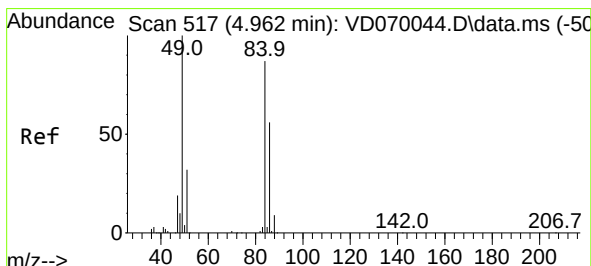
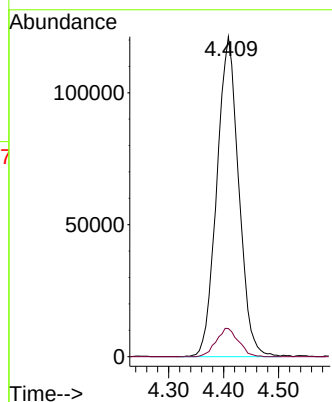
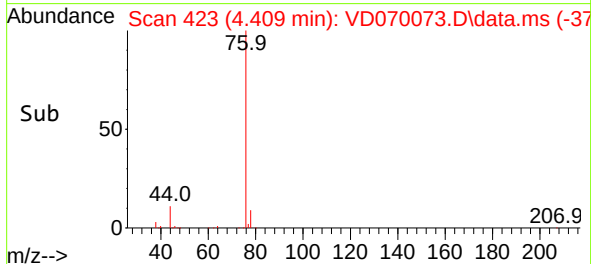


#17
Carbon Disulfide
Concen: 17.378 ug/l
RT: 4.409 min Scan# 423
Delta R.T. 0.000 min
Lab File: VD070073.D
Acq: 16 Aug 2021 18:14

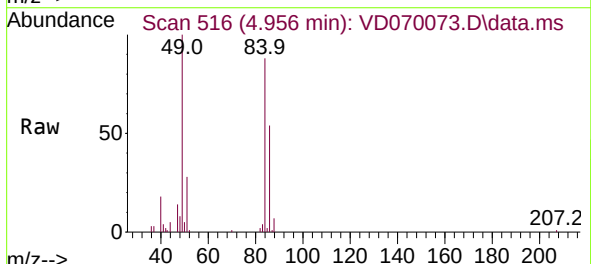
Instrument :
MSVOA_D
ClientSampled :



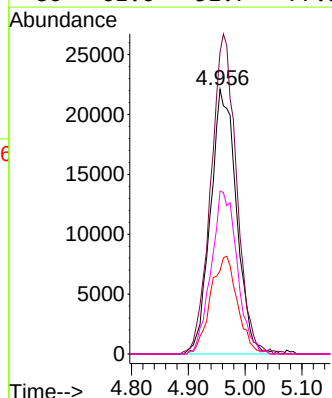
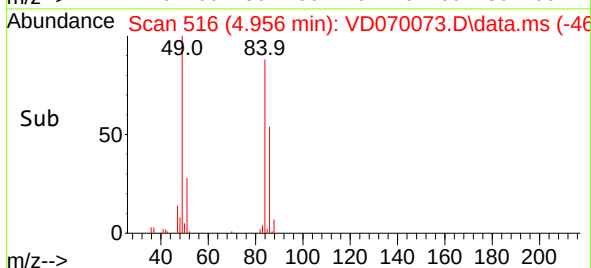
Tgt Ion: 76 Resp: 335600
Ion Ratio Lower Upper
76 100
78 8.8 7.1 10.7

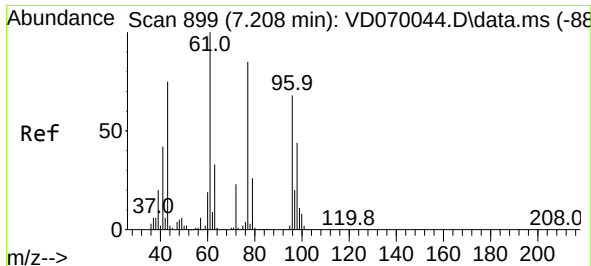


#20
Methylene Chloride
Concen: 2.899 ug/l
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD070073.D
Acq: 16 Aug 2021 18:14



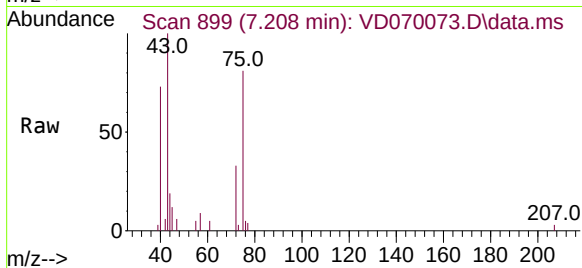
Tgt Ion: 84 Resp: 70224
Ion Ratio Lower Upper
84 100
49 114.1 92.5 138.7
51 31.4 29.7 44.5
86 61.6 51.7 77.5



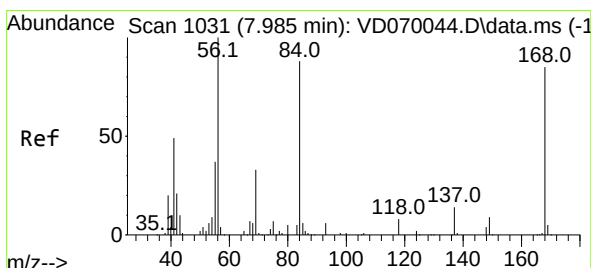
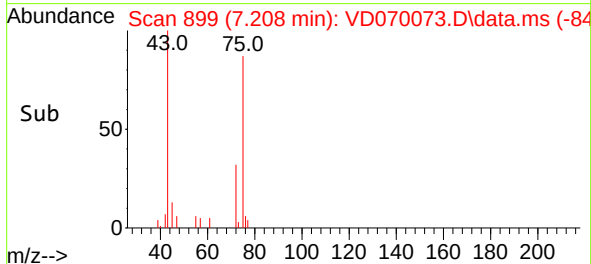
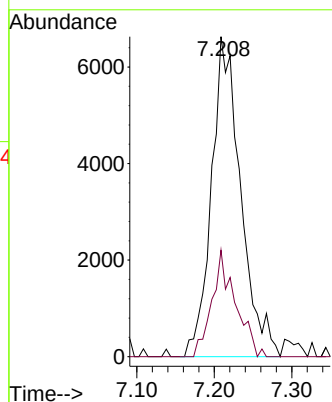


#25
2-Butanone
Concen: 13.039 ug/l
RT: 7.208 min Scan# 899
Delta R.T. 0.000 min
Lab File: VD070073.D
Acq: 16 Aug 2021 18:14

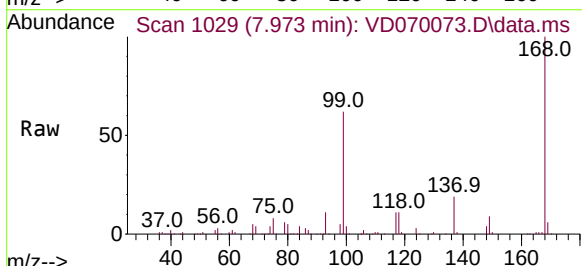
Instrument :
MSVOA_D
ClientSampled :



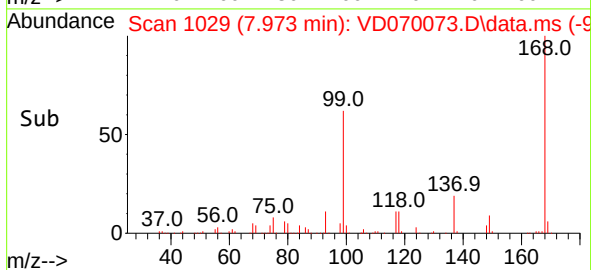
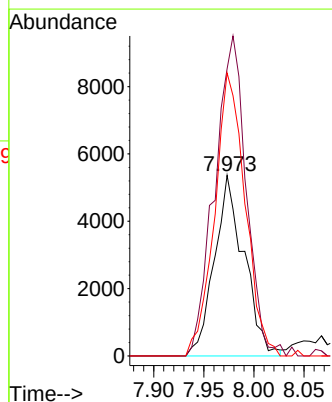
Tgt Ion: 43 Resp: 17356
Ion Ratio Lower Upper
43 100
72 33.3 24.2 36.4

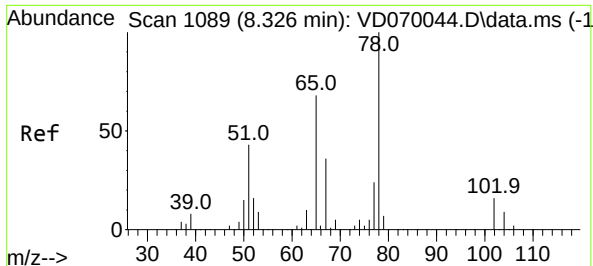


#31
Cyclohexane
Concen: 1.056 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD070073.D
Acq: 16 Aug 2021 18:14



Tgt Ion: 56 Resp: 11048
Ion Ratio Lower Upper
56 100
69 159.0 26.7 40.1#
84 156.7 70.4 105.6#





#33

1,2-Dichloroethane-d4

Concen: 52.629 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD070073.D

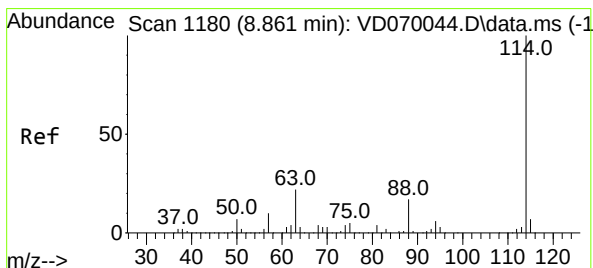
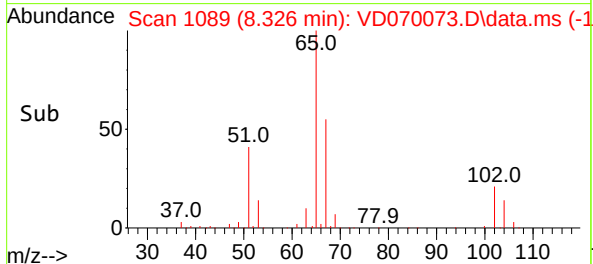
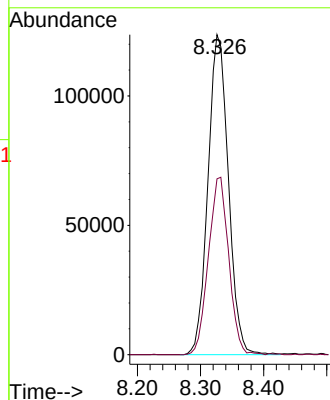
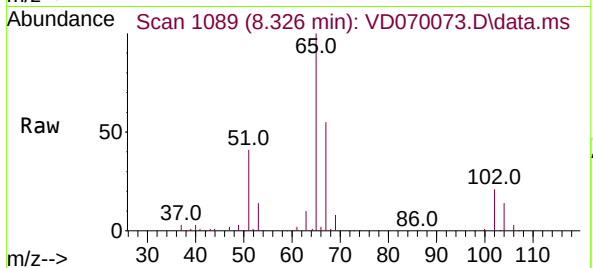
Acq: 16 Aug 2021 18:14

Tgt Ion: 65 Resp: 278293

Ion Ratio Lower Upper

65 100

67 55.2 0.0 107.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD070073.D

Acq: 16 Aug 2021 18:14

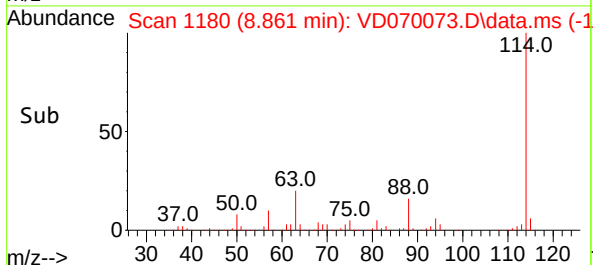
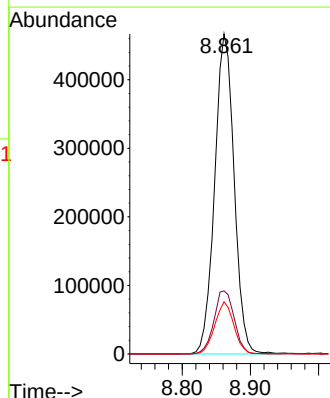
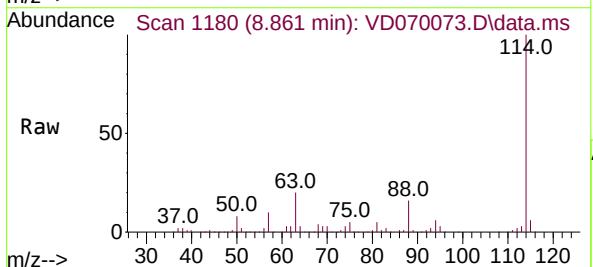
Tgt Ion: 114 Resp: 927893

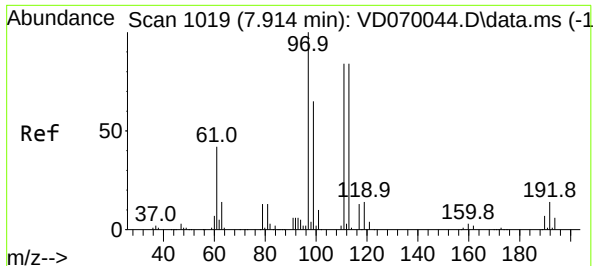
Ion Ratio Lower Upper

114 100

63 19.7 0.0 43.6

88 16.3 0.0 33.4





#35

Dibromofluoromethane

Concen: 39.240 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD070073.D

Acq: 16 Aug 2021 18:14

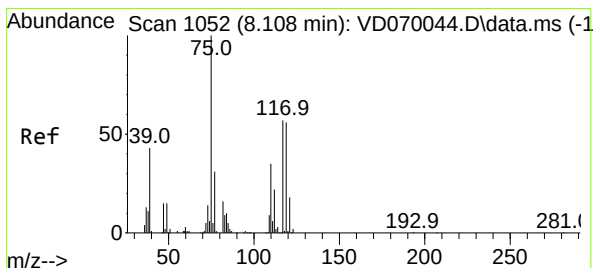
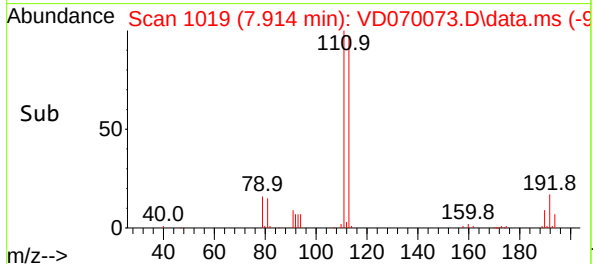
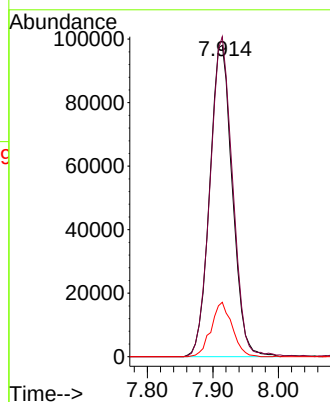
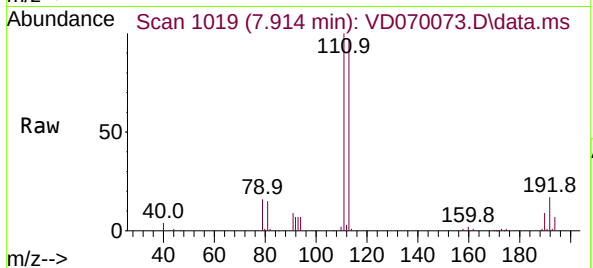
Tgt Ion:113 Resp: 235237

Ion Ratio Lower Upper

113 100

111 102.2 81.8 122.6

192 16.2 13.2 19.8



#36

1,1-Dichloropropene

Concen: 4.126 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD070073.D

Acq: 16 Aug 2021 18:14

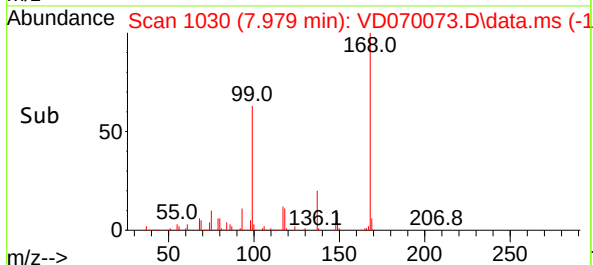
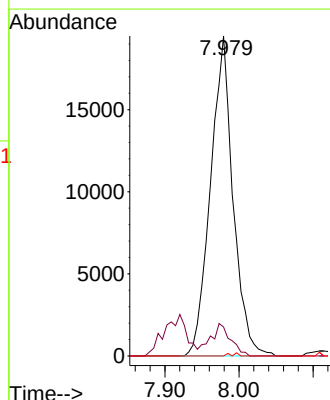
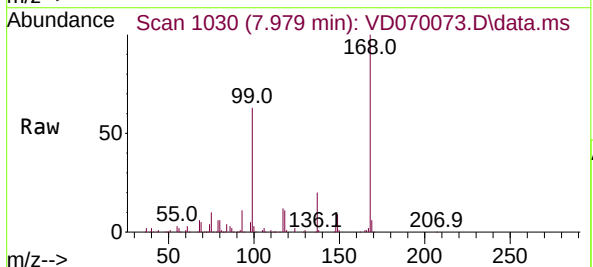
Tgt Ion: 75 Resp: 41183

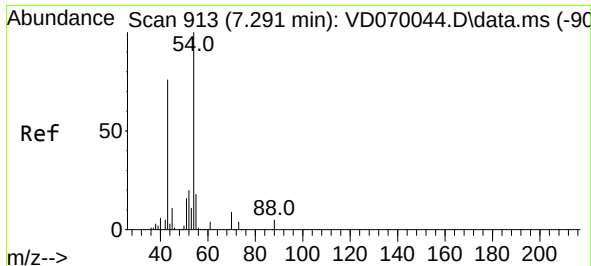
Ion Ratio Lower Upper

75 100

110 9.1 16.9 50.7#

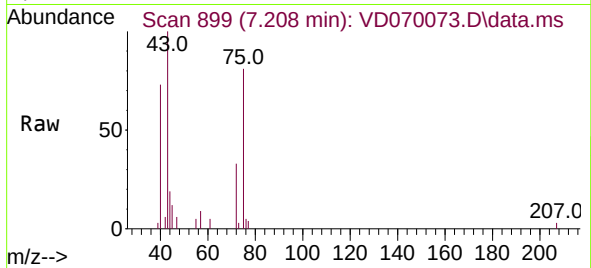
77 0.1 25.2 37.8#



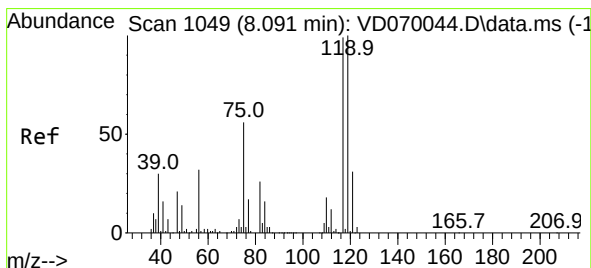
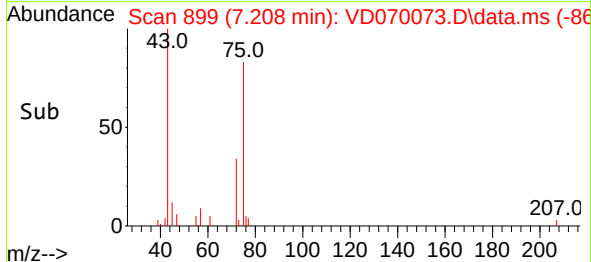
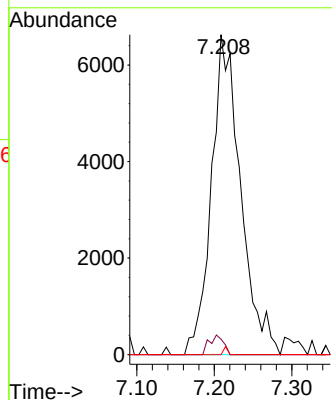


#37
Ethyl Acetate
Concen: 4.787 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.082 min
Lab File: VD070073.D
Acq: 16 Aug 2021 18:14

Instrument :
MSVOA_D
ClientSampleId :

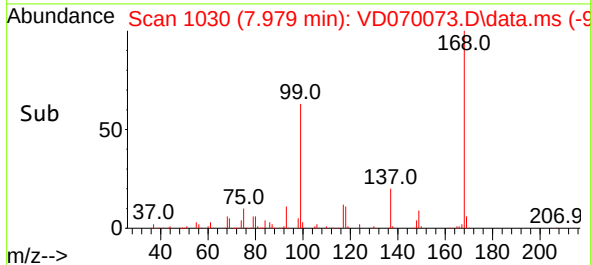
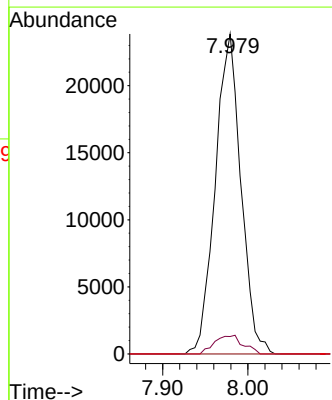
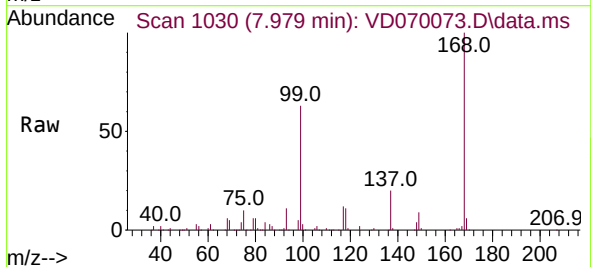


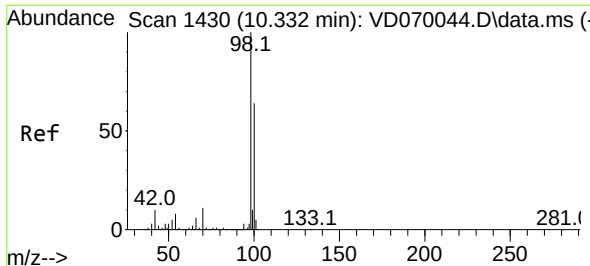
Tgt Ion:	43	Resp:	17356
Ion	Ratio	Lower	Upper
43	100		
61	3.0	11.8	17.6#
70	0.3	9.0	13.6#



#38
Carbon Tetrachloride
Concen: 5.499 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD070073.D
Acq: 16 Aug 2021 18:14

Tgt Ion:	117	Resp:	49837
Ion	Ratio	Lower	Upper
117	100		
119	5.4	81.0	121.6#
121	0.0	25.0	37.6#

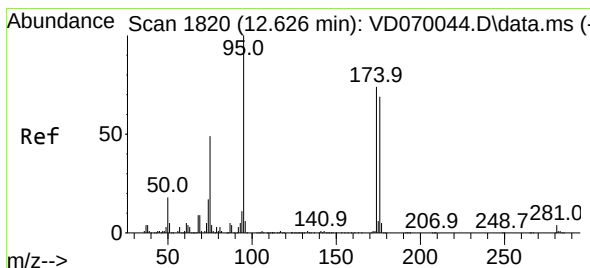
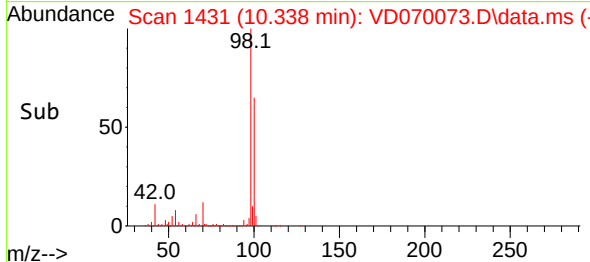
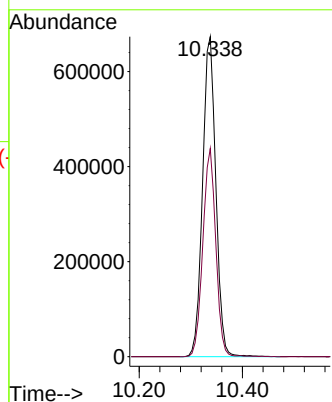
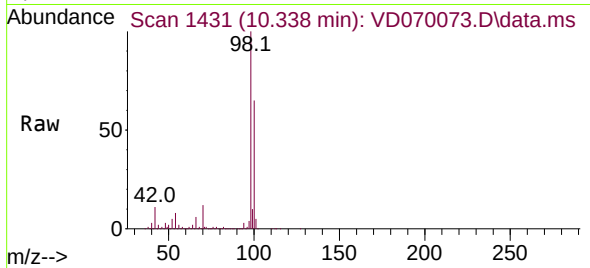




#50
Toluene-d8
Concen: 51.343 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070073.D
Acq: 16 Aug 2021 18:14

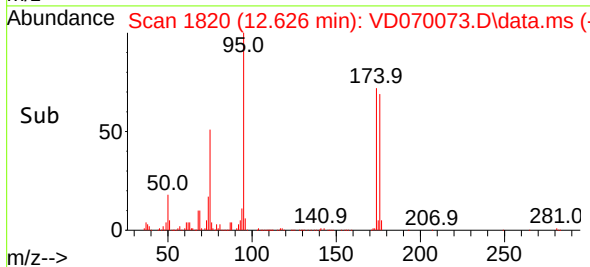
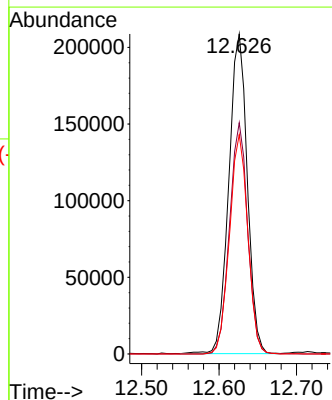
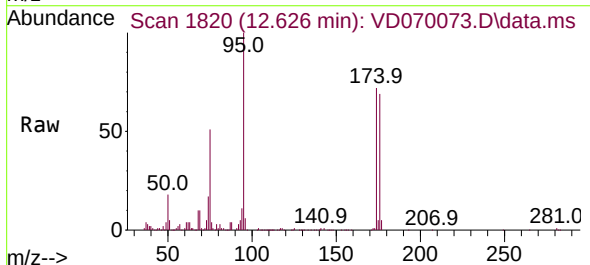
Instrument :
MSVOA_D
ClientSampleId :

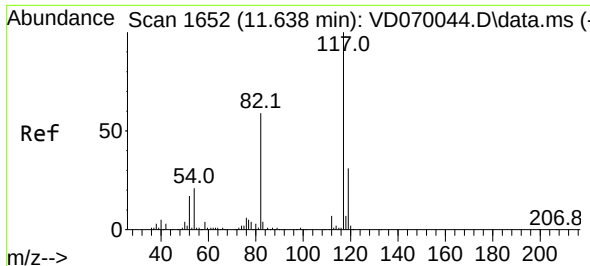
Tgt Ion: 98 Resp: 1197141
Ion Ratio Lower Upper
98 100
100 63.6 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 45.052 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070073.D
Acq: 16 Aug 2021 18:14

Tgt Ion: 95 Resp: 345990
Ion Ratio Lower Upper
95 100
174 71.0 0.0 141.6
176 68.0 0.0 138.2

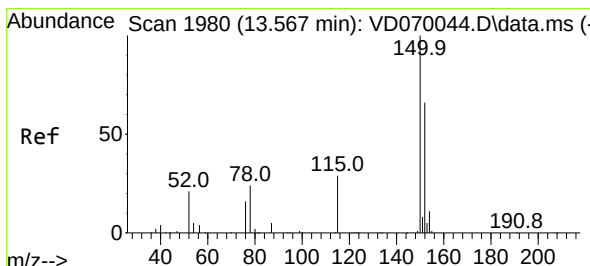
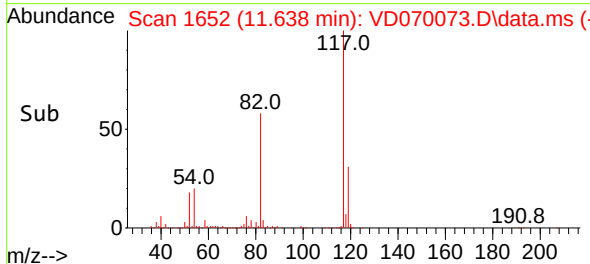
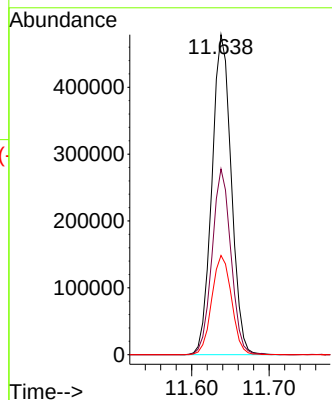
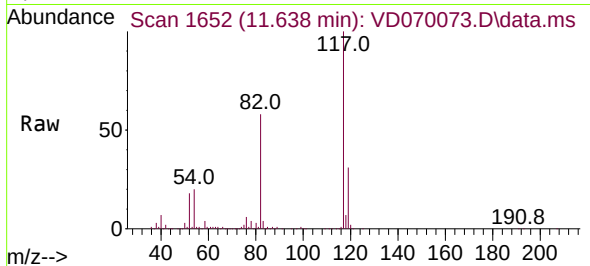




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070073.D
Acq: 16 Aug 2021 18:14

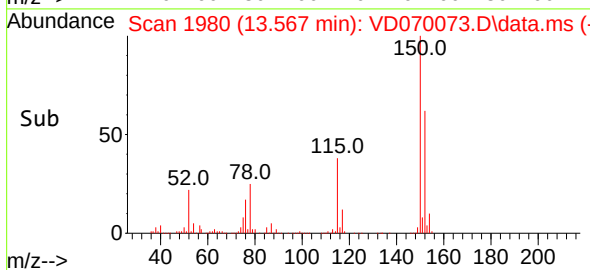
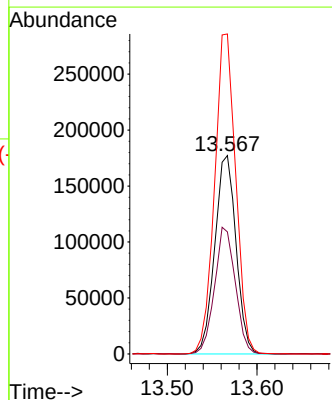
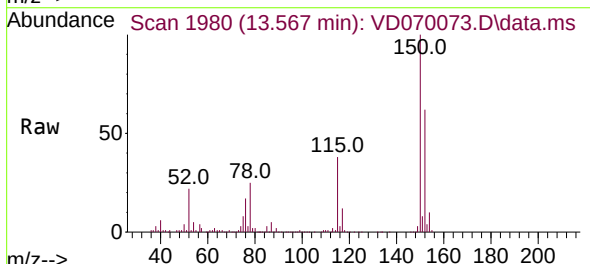
Instrument :
MSVOA_D
ClientSampleId :

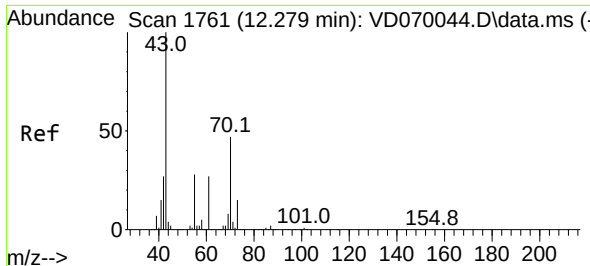
Tgt Ion:117 Resp: 831429
Ion Ratio Lower Upper
117 100
82 58.0 47.5 71.3
119 31.0 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD070073.D
Acq: 16 Aug 2021 18:14

Tgt Ion:152 Resp: 292075
Ion Ratio Lower Upper
152 100
115 62.4 31.2 93.6
150 160.3 0.0 352.0

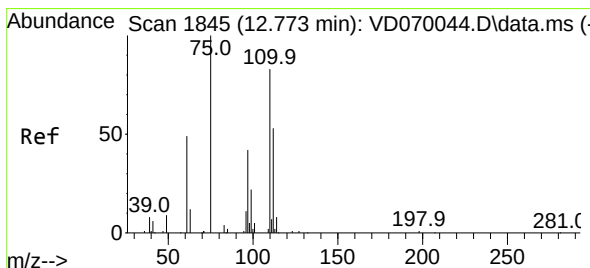
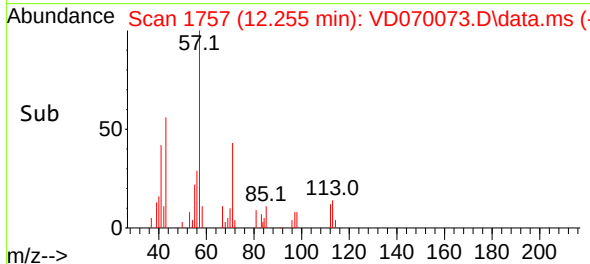
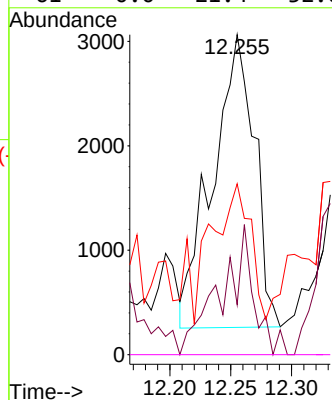
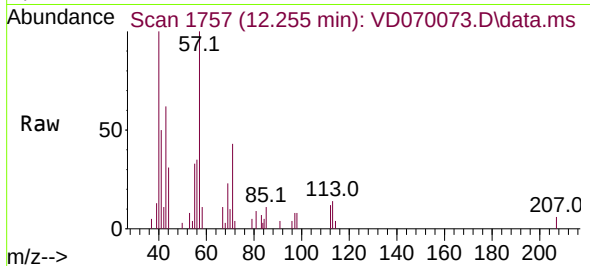




#74
N-amy1 acetate
Concen: 1.456 ug/l
RT: 12.255 min Scan# 1757
Delta R.T. -0.024 min
Lab File: VD070073.D
Acq: 16 Aug 2021 18:14

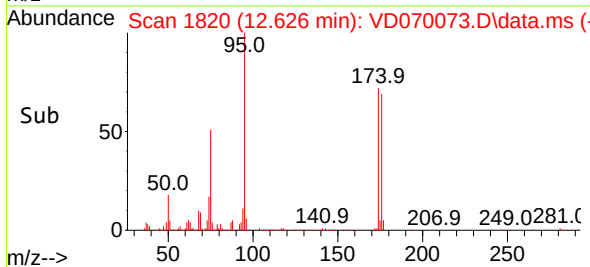
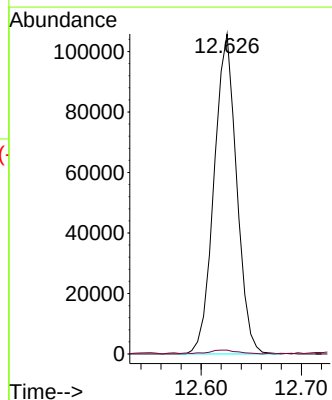
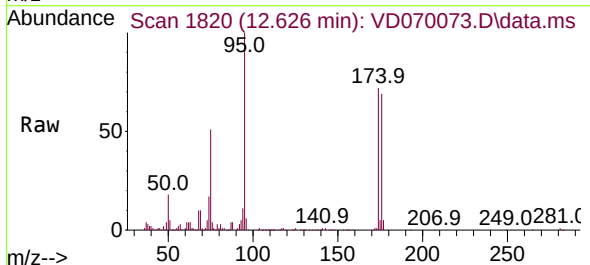
Instrument :
MSVOA_D
ClientSampled :

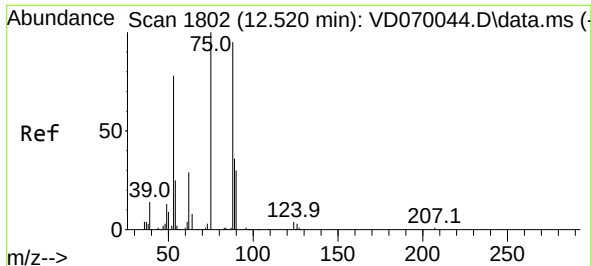
Tgt Ion: 43	Resp: 6685
Ion Ratio	Lower Upper
43 100	
70 21.8	37.2 55.8#
55 43.9	22.9 34.3#
61 0.0	21.4 32.0#



#76
1,2,3-Trichloropropane
Concen: 55.802 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070073.D
Acq: 16 Aug 2021 18:14

Tgt Ion: 75	Resp: 165289
Ion Ratio	Lower Upper
75 100	
77 1.6	182.4 547.2#

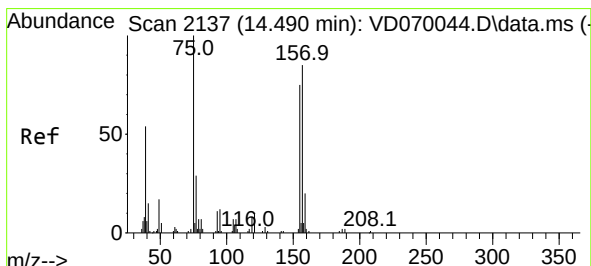
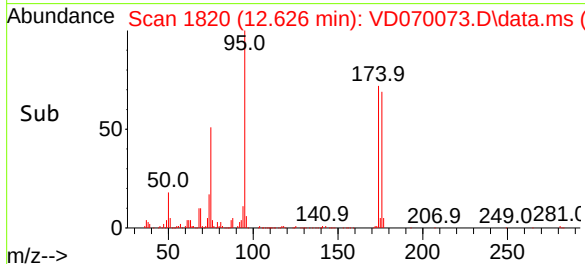
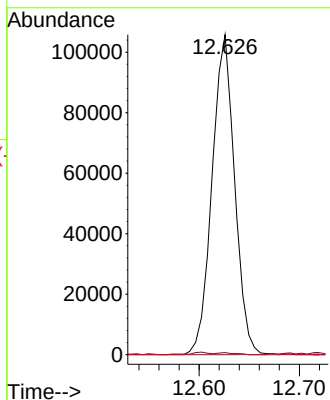
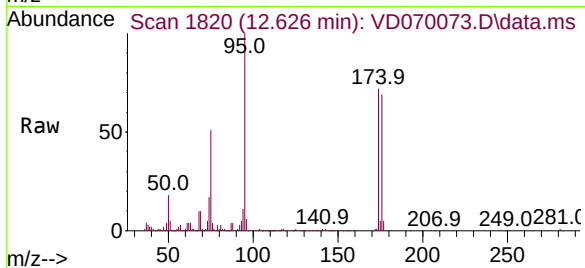




#81
trans-1,4-Dichloro-2-butene
Concen: 144.842 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070073.D
Acq: 16 Aug 2021 18:14

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 165289
Ion Ratio Lower Upper
75 100
53 0.5 64.5 96.7#
89 0.0 33.7 50.5#



#92
1,2-Dibromo-3-Chloropropane
Concen: 7.169 ug/l
RT: 14.538 min Scan# 2145
Delta R.T. 0.047 min
Lab File: VD070073.D
Acq: 16 Aug 2021 18:14

Tgt Ion: 75 Resp: 4551
Ion Ratio Lower Upper
75 100
155 0.0 35.3 105.9#
157 0.0 46.8 140.3#

