

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082021\
 Data File : VD070209.D
 Acq On : 20 Aug 2021 18:13
 Operator : VA/SY
 Sample : M3463-13
 Misc : 5.94G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 23 03:54:48 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)

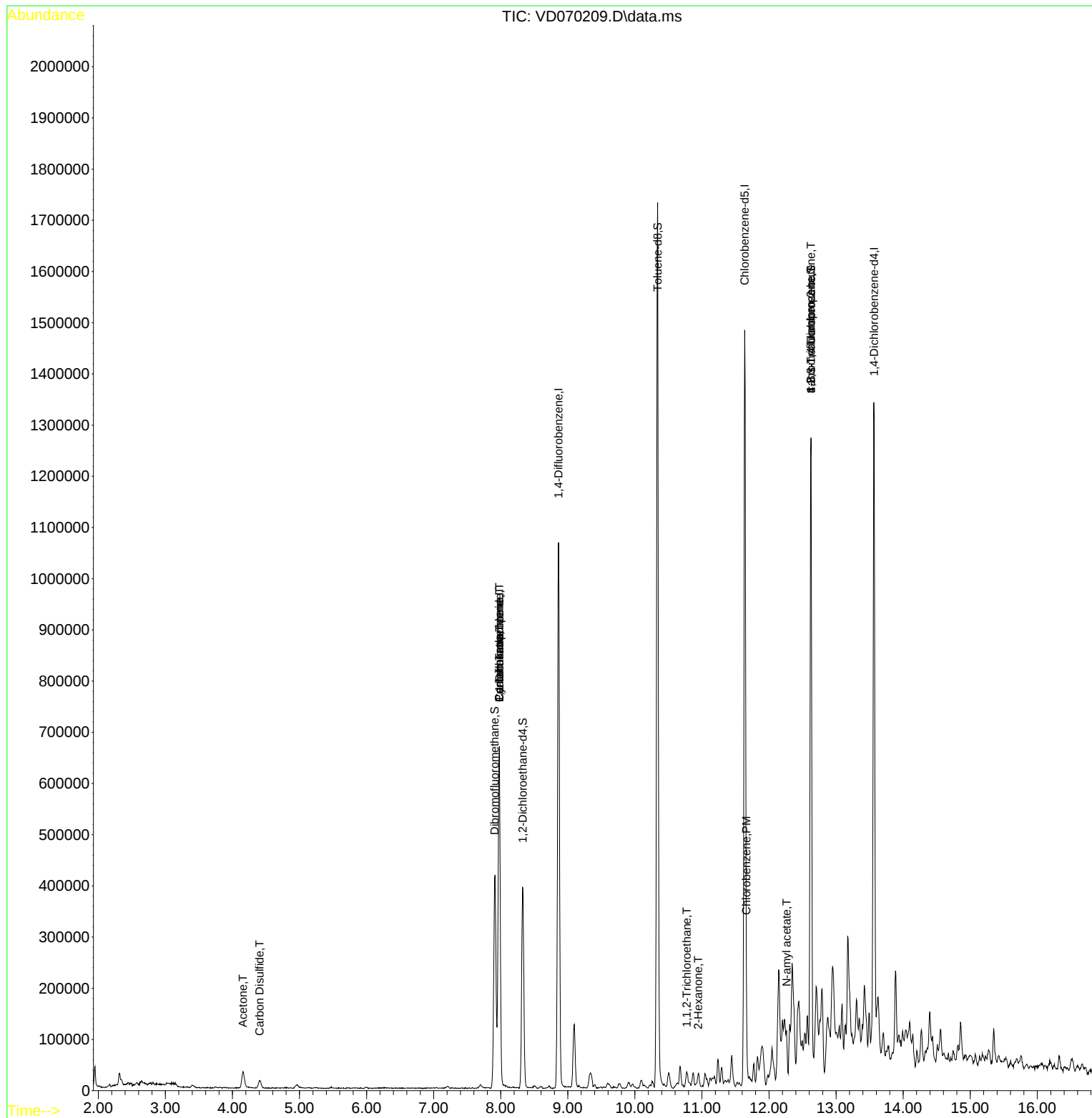
Internal Standards						
1) Pentafluorobenzene	7.979	168	464449	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	903711	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	880301	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	340046	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	307954	56.374	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.740%	
35) Dibromofluoromethane	7.909	113	307640	52.691	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.380%	
50) Toluene-d8	10.338	98	1158515	51.016	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.040%	
62) 4-Bromofluorobenzene	12.626	95	407221	54.444	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 108.880%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	280	Below Cal	#	42
3) Chloromethane	2.209	50	788	Below Cal	#	68
5) Bromomethane	2.773	94	1981	Below Cal	#	80
16) Acetone	4.156	43	56109	55.757	ug/l #	87
17) Carbon Disulfide	4.403	76	31592	1.584	ug/l #	90
20) Methylene Chloride	4.967	84	4794	Below Cal	#	88
31) Cyclohexane	7.979	56	13469	1.246	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	41888	4.309	ug/l #	48
38) Carbon Tetrachloride	7.979	117	47849	5.421	ug/l #	14
55) 1,1,2-Trichloroethane	10.773	97	8227	1.632	ug/l #	32
59) 2-Hexanone	10.944	43	9351	4.073	ug/l #	26
65) Chlorobenzene	11.661	112	25267	1.374	ug/l	96
74) N-amyl acetate	12.261	43	21282	3.981	ug/l #	39
76) 1,2,3-Trichloropropane	12.626	75	198220	57.480	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	198220	149.196	ug/l #	19

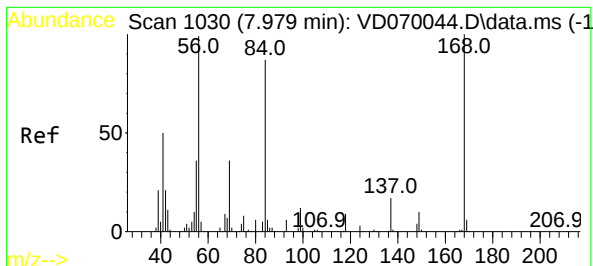
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Sat Aug 14 02:33:51 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD070209.D

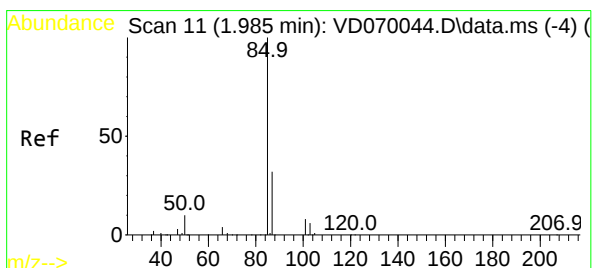
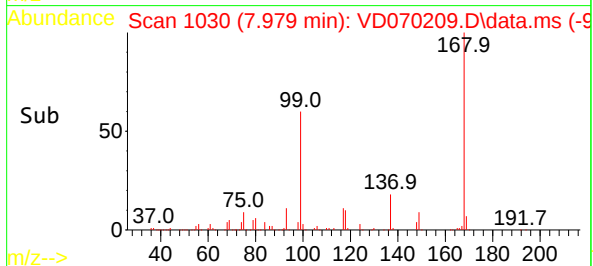
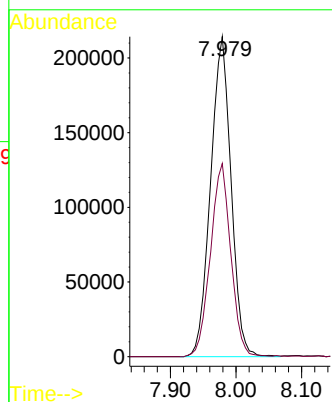
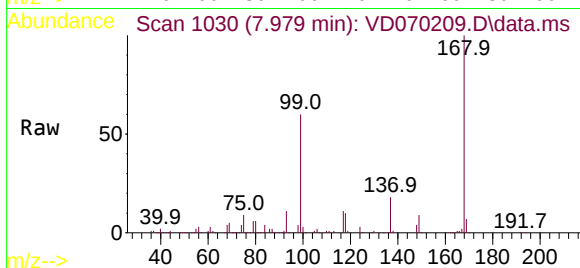
Acq: 20 Aug 2021 18:13

Tgt Ion:168 Resp: 464449

Ion Ratio Lower Upper

168 100

99 60.4 50.3 75.5



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.991 min Scan# 12

Delta R.T. 0.006 min

Lab File: VD070209.D

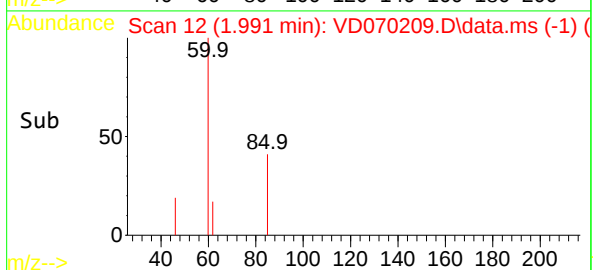
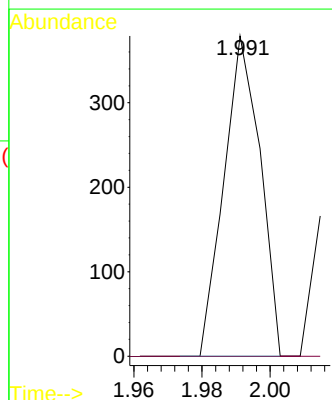
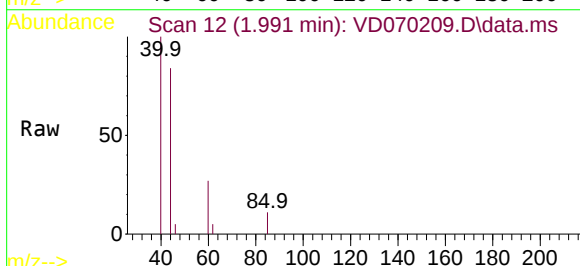
Acq: 20 Aug 2021 18:13

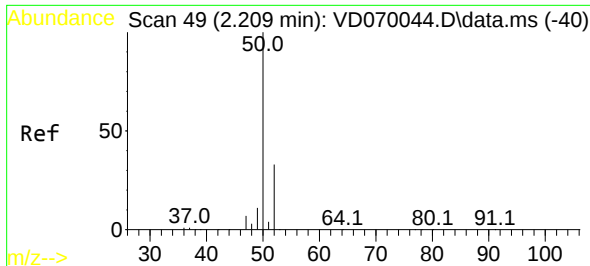
Tgt Ion: 85 Resp: 280

Ion Ratio Lower Upper

85 100

87 0.0 16.2 48.6#

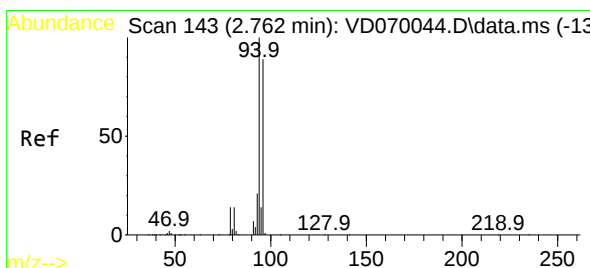
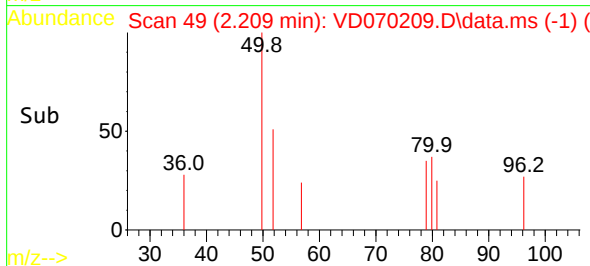
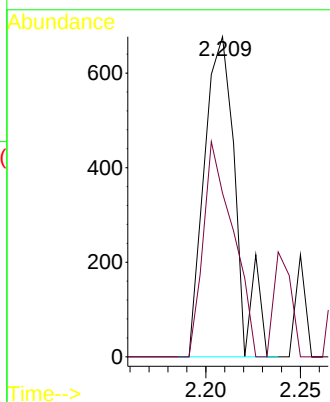
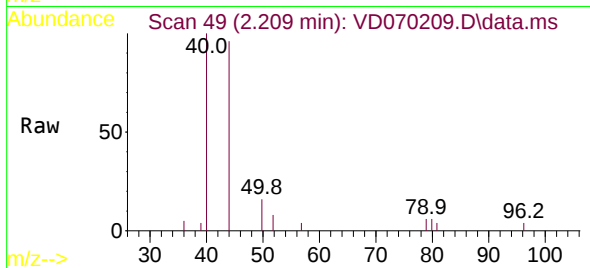




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070209.D
Acq: 20 Aug 2021 18:13

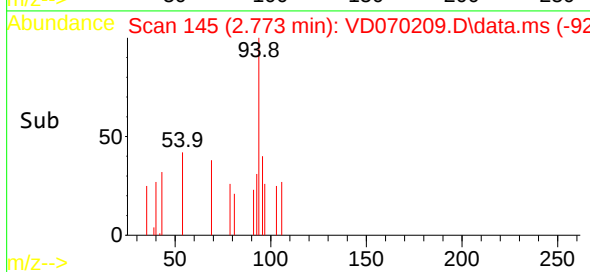
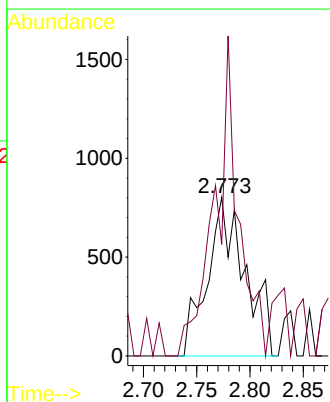
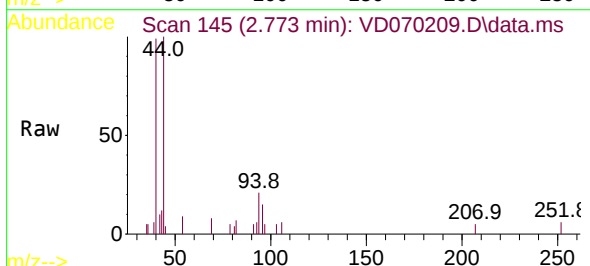
Instrument :
MSVOA_D
ClientSampled :

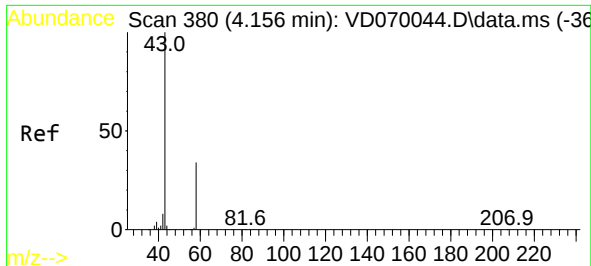
Tgt Ion: 50 Resp: 788
Ion Ratio Lower Upper
50 100
52 51.1 26.3 39.5#



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD070209.D
Acq: 20 Aug 2021 18:13

Tgt Ion: 94 Resp: 1981
Ion Ratio Lower Upper
94 100
96 70.3 70.9 106.3#

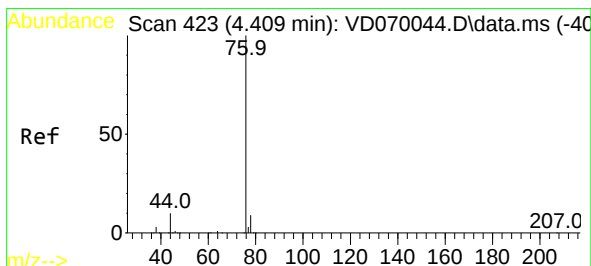
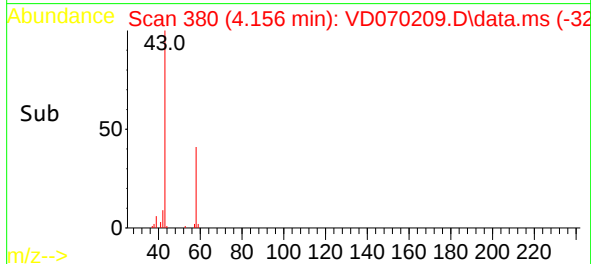
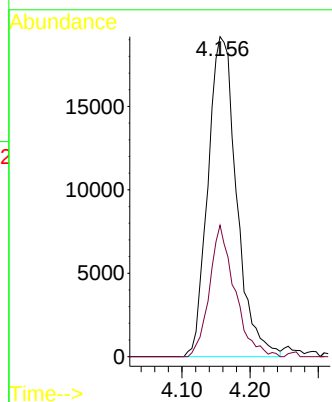
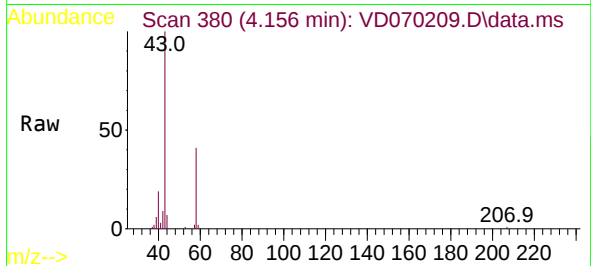




#16
Acetone
Concen: 55.757 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD070209.D
Acq: 20 Aug 2021 18:13

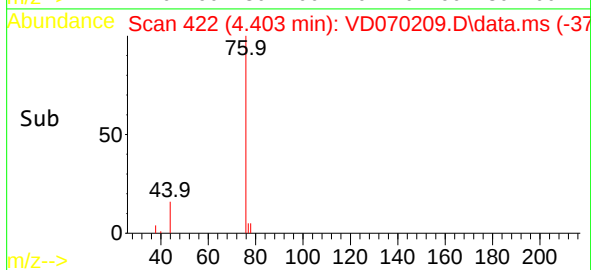
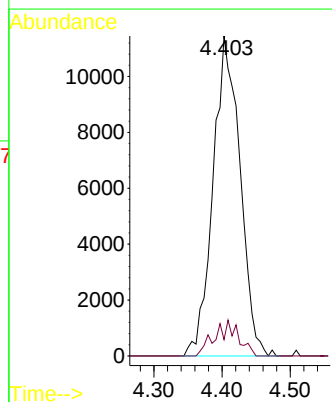
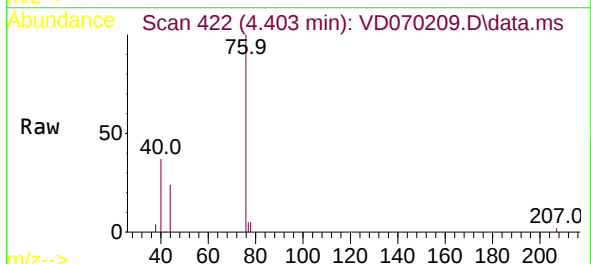
Instrument :
MSVOA_D
ClientSampleId :

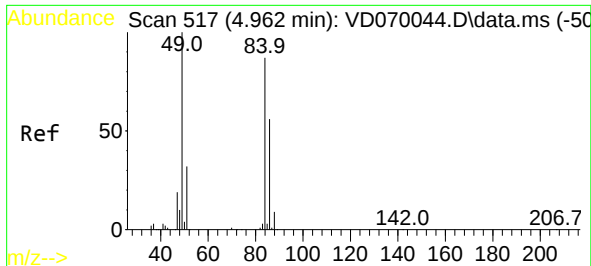
Tgt Ion: 43 Resp: 56109
Ion Ratio Lower Upper
43 100
58 41.1 26.8 40.2#



#17
Carbon Disulfide
Concen: 1.584 ug/l
RT: 4.403 min Scan# 422
Delta R.T. -0.006 min
Lab File: VD070209.D
Acq: 20 Aug 2021 18:13

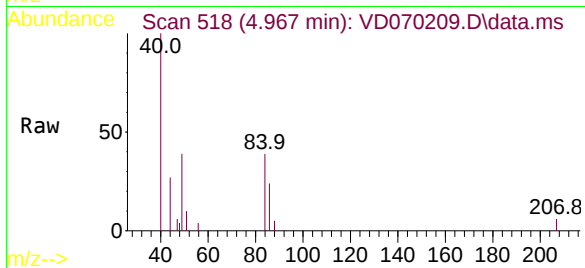
Tgt Ion: 76 Resp: 31592
Ion Ratio Lower Upper
76 100
78 5.1 7.1 10.7#



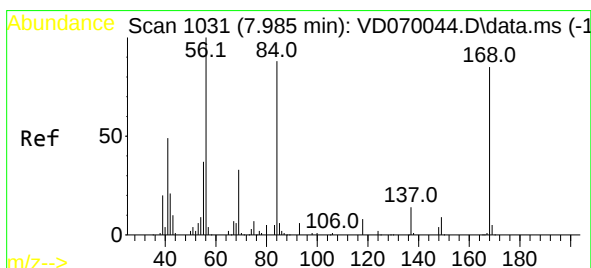
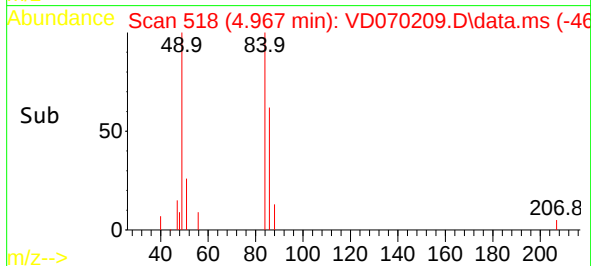
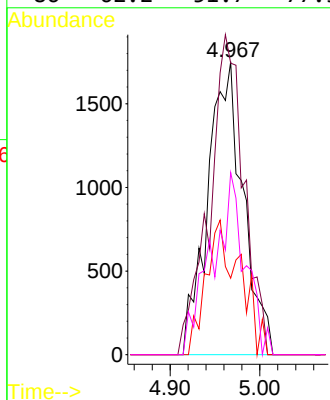


#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD070209.D
Acq: 20 Aug 2021 18:13

Instrument :
MSVOA_D
ClientSampleId :

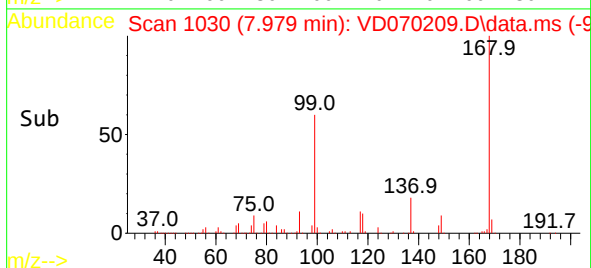
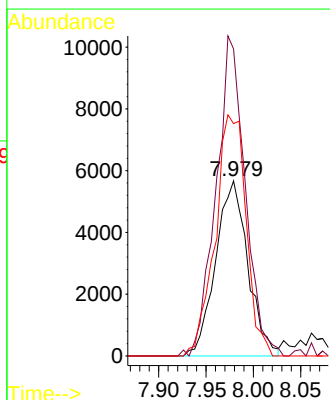
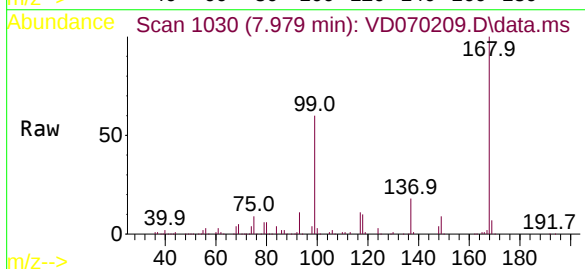


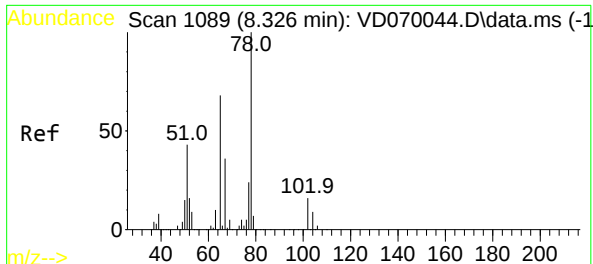
Tgt Ion: 84 Resp: 4794
Ion Ratio Lower Upper
84 100
49 99.5 92.5 138.7
51 26.2 29.7 44.5#
86 62.2 51.7 77.5



#31
Cyclohexane
Concen: 1.246 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070209.D
Acq: 20 Aug 2021 18:13

Tgt Ion: 56 Resp: 13469
Ion Ratio Lower Upper
56 100
69 175.5 26.7 40.1#
84 132.8 70.4 105.6#

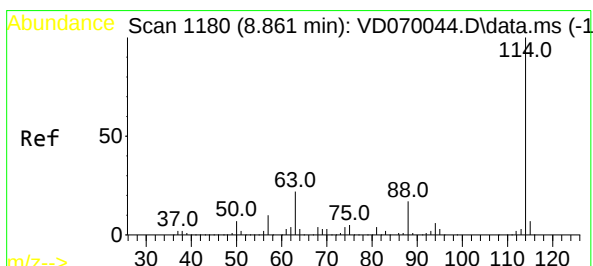
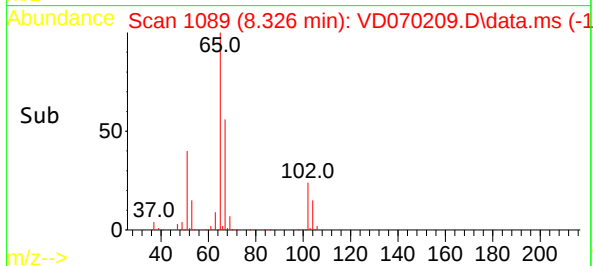
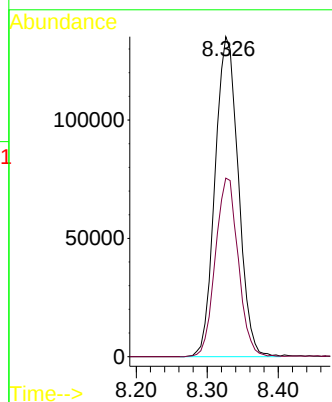
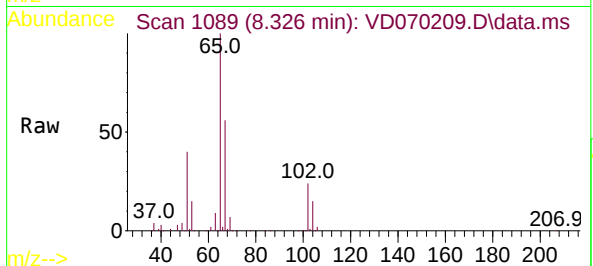




#33
1,2-Dichloroethane-d4
Concen: 56.374 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070209.D
Acq: 20 Aug 2021 18:13

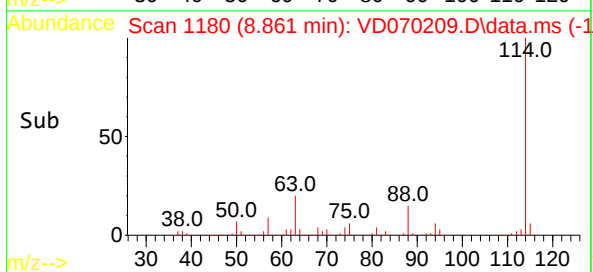
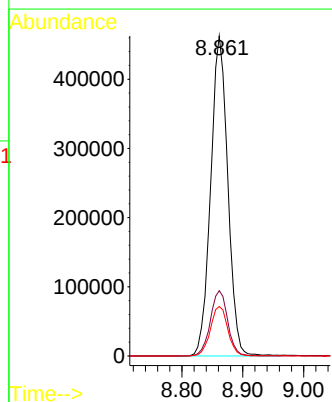
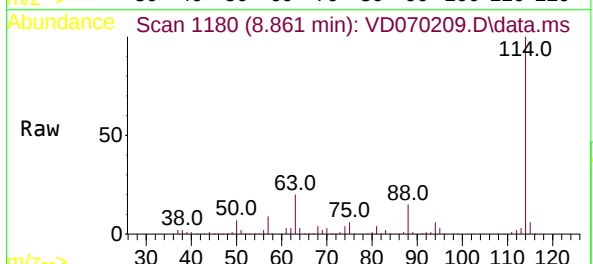
Instrument :
MSVOA_D
ClientSampled :

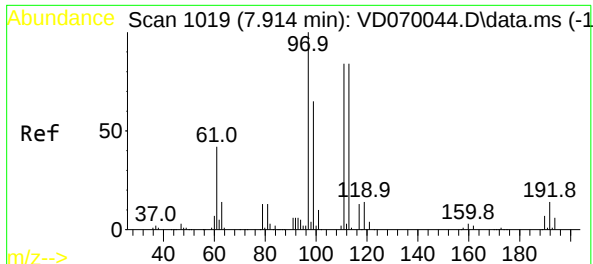
Tgt Ion: 65 Resp: 307954
Ion Ratio Lower Upper
65 100
67 54.7 0.0 107.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070209.D
Acq: 20 Aug 2021 18:13

Tgt Ion: 114 Resp: 903711
Ion Ratio Lower Upper
114 100
63 20.4 0.0 43.6
88 15.5 0.0 33.4



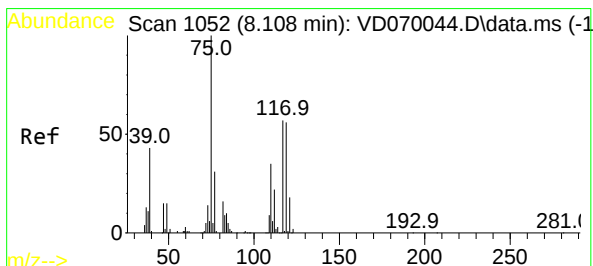
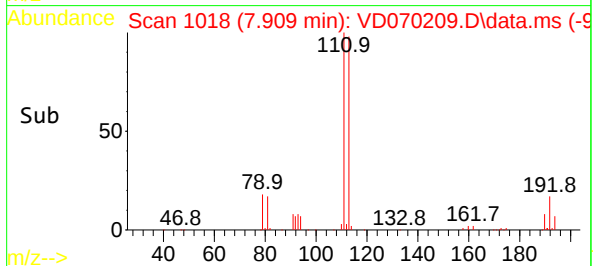
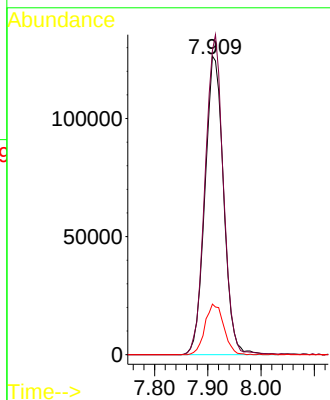
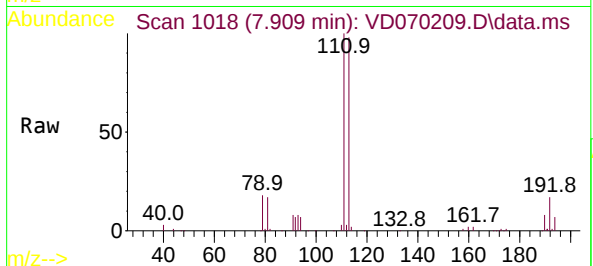


#35

Dibromofluoromethane
Concen: 52.691 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD070209.D
Acq: 20 Aug 2021 18:13

Instrument :
MSVOA_D
ClientSampleId :

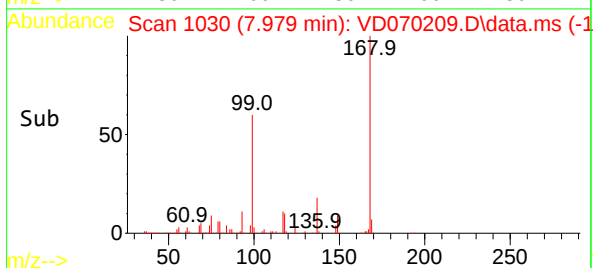
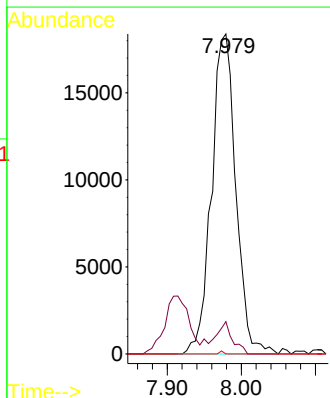
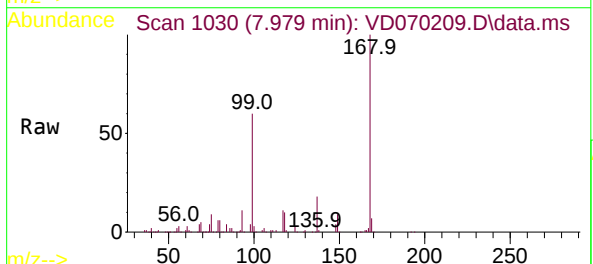
Tgt Ion:113 Resp: 307640
Ion Ratio Lower Upper
113 100
111 104.5 81.8 122.6
192 17.1 13.2 19.8

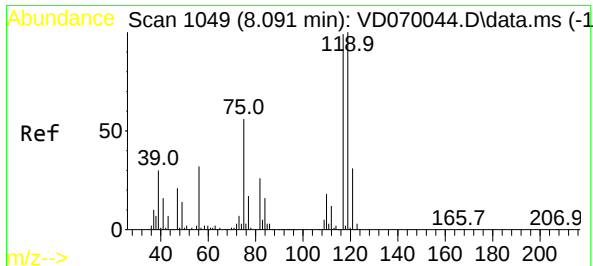


#36

1,1-Dichloropropene
Concen: 4.309 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD070209.D
Acq: 20 Aug 2021 18:13

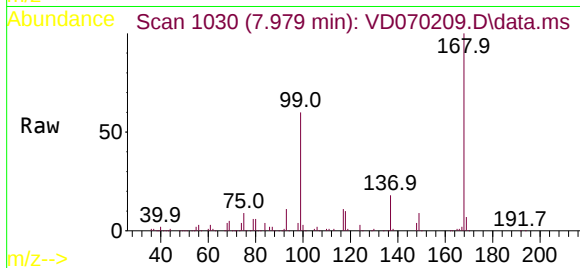
Tgt Ion: 75 Resp: 41888
Ion Ratio Lower Upper
75 100
110 6.6 16.9 50.7#
77 0.1 25.2 37.8#



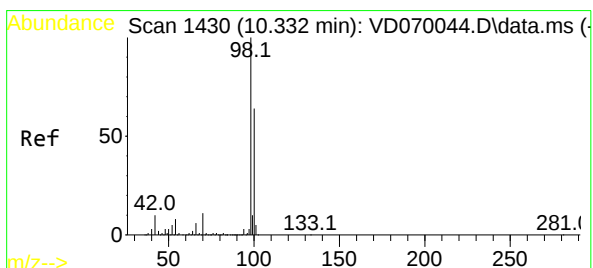
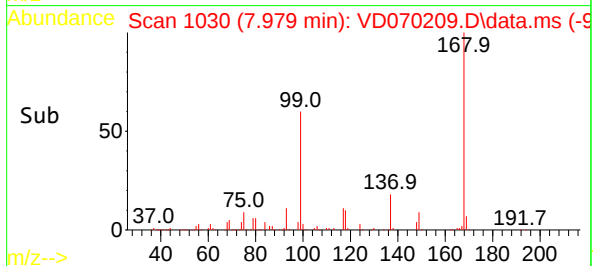
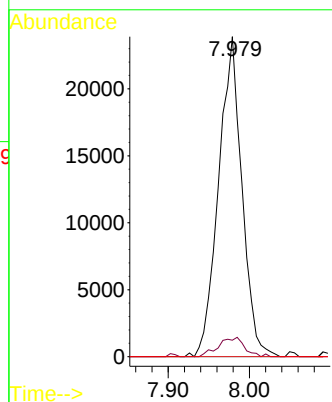


#38
Carbon Tetrachloride
Concen: 5.421 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD070209.D
Acq: 20 Aug 2021 18:13

Instrument :
MSVOA_D
ClientSampled :

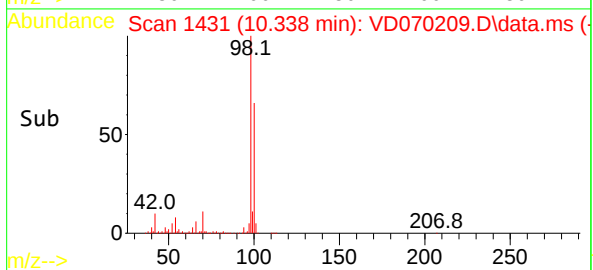
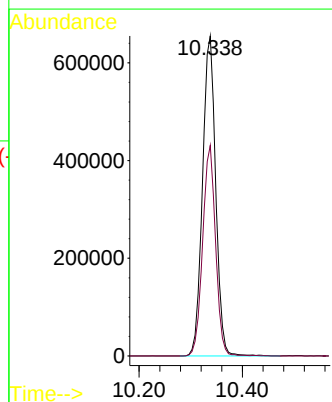
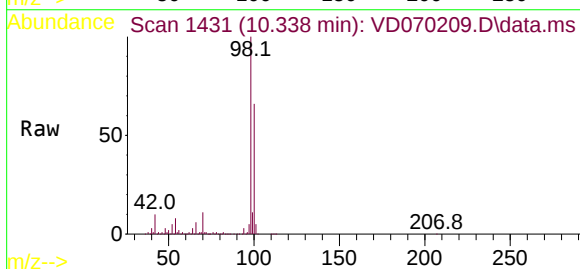


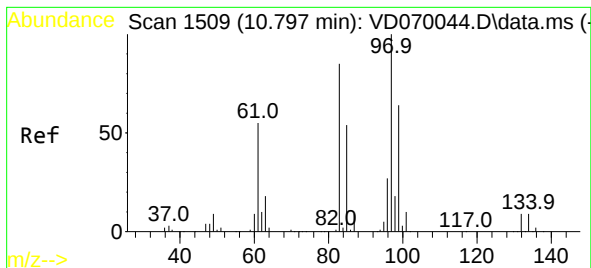
Tgt Ion:117 Resp: 47849
Ion Ratio Lower Upper
117 100
119 5.1 81.0 121.6#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 51.016 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070209.D
Acq: 20 Aug 2021 18:13

Tgt Ion: 98 Resp: 1158515
Ion Ratio Lower Upper
98 100
100 64.4 52.6 78.8

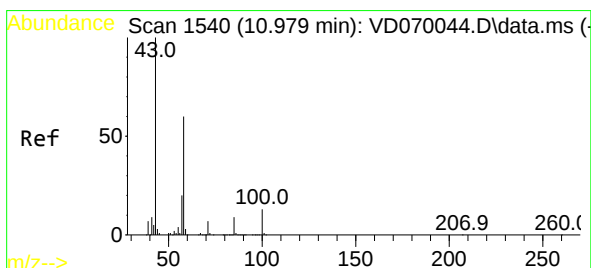
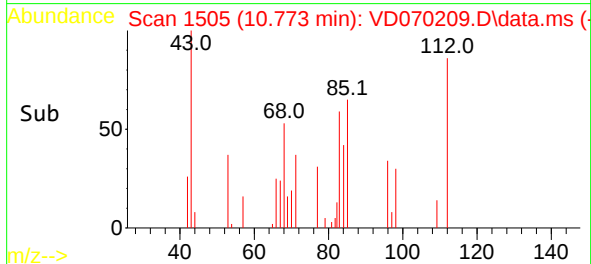
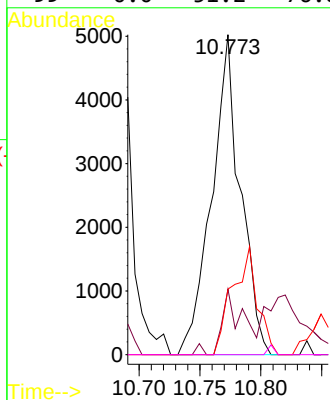
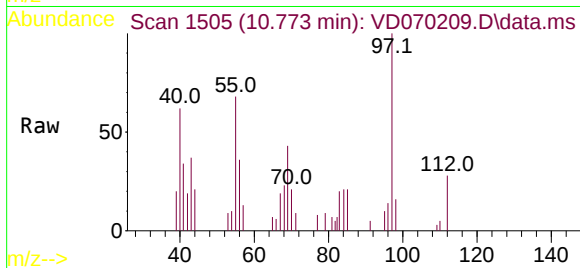




#55
1,1,2-Trichloroethane
Concen: 1.632 ug/l
RT: 10.773 min Scan# 1505
Delta R.T. -0.023 min
Lab File: VD070209.D
Acq: 20 Aug 2021 18:13

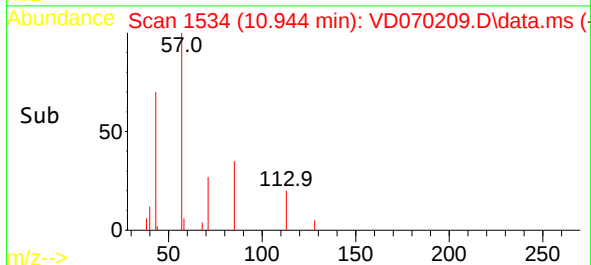
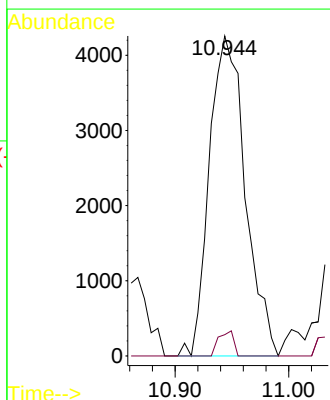
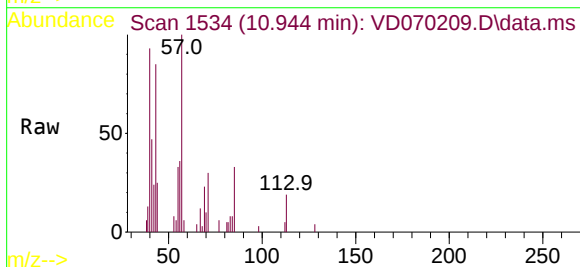
Instrument :
MSVOA_D
ClientSampleId :

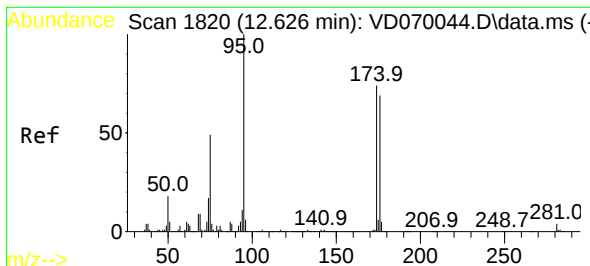
Tgt Ion: 97	Resp: 8227
Ion Ratio	Lower Upper
97 100	
83 20.5	67.8 101.6#
85 20.5	43.4 65.0#
99 0.0	51.2 76.8#



#59
2-Hexanone
Concen: 4.073 ug/l
RT: 10.944 min Scan# 1534
Delta R.T. -0.035 min
Lab File: VD070209.D
Acq: 20 Aug 2021 18:13

Tgt Ion: 43	Resp: 9351
Ion Ratio	Lower Upper
43 100	
58 3.3	29.5 88.5#

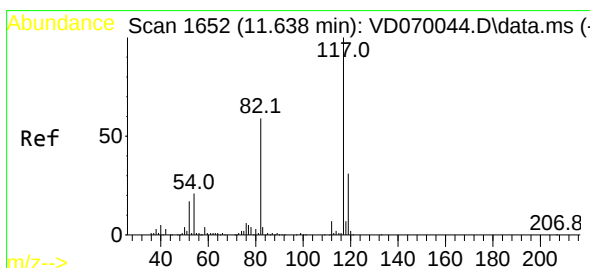
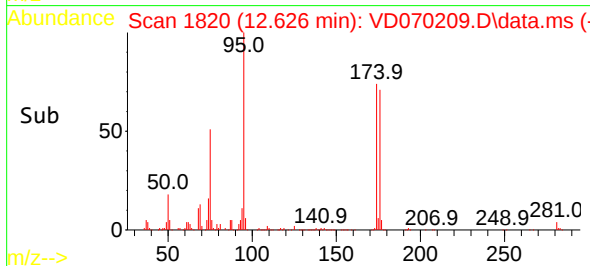
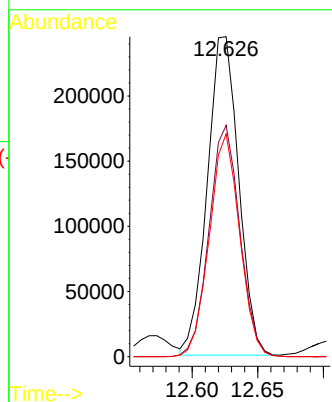
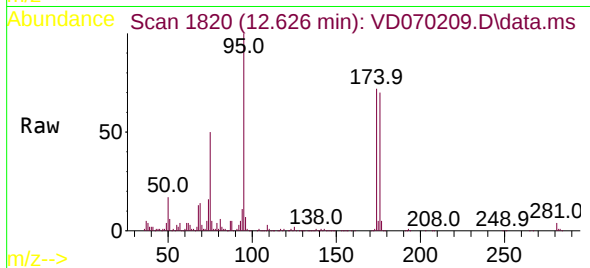




#62
4-Bromofluorobenzene
Concen: 54.444 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070209.D
Acq: 20 Aug 2021 18:13

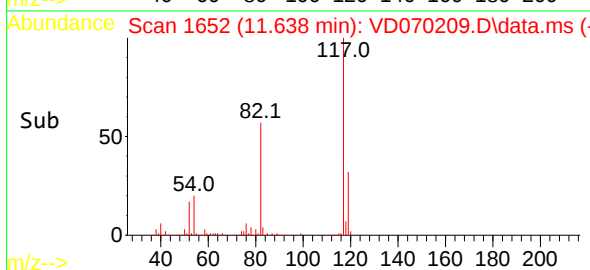
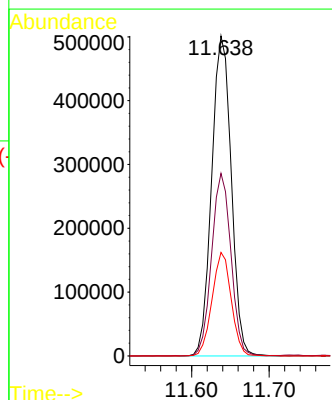
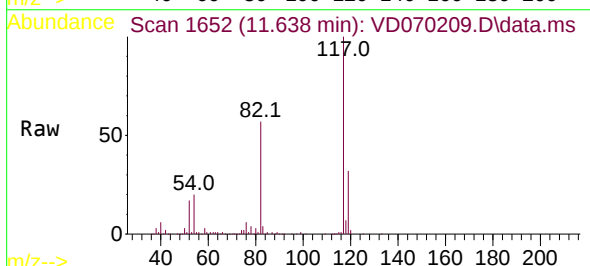
Instrument :
MSVOA_D
ClientSampled :

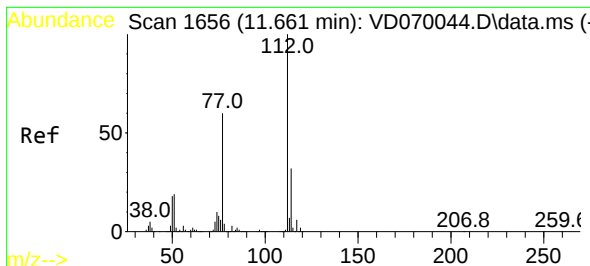
Tgt Ion: 95 Resp: 407221
Ion Ratio Lower Upper
95 100
174 71.1 0.0 141.6
176 67.3 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070209.D
Acq: 20 Aug 2021 18:13

Tgt Ion: 117 Resp: 880301
Ion Ratio Lower Upper
117 100
82 57.0 47.5 71.3
119 32.3 25.1 37.7

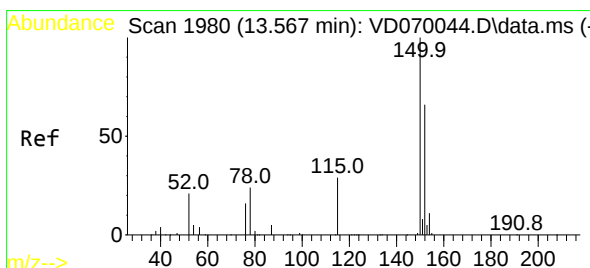
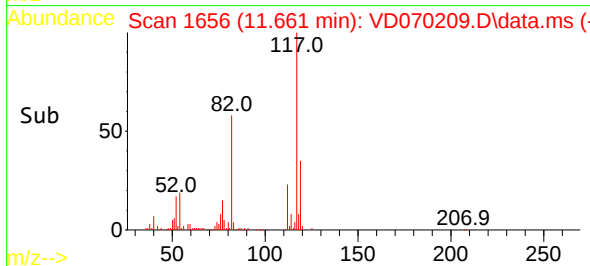
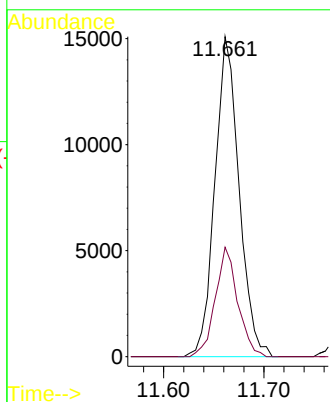
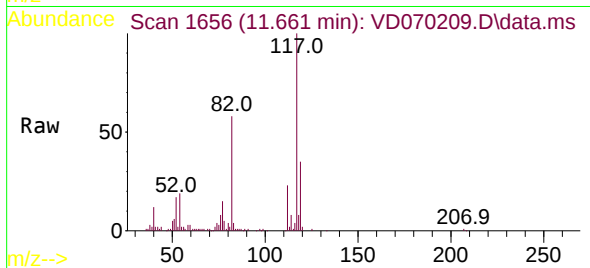




#65
Chlorobenzene
Concen: 1.374 ug/l
RT: 11.661 min Scan# 1656
Delta R.T. 0.000 min
Lab File: VD070209.D
Acq: 20 Aug 2021 18:13

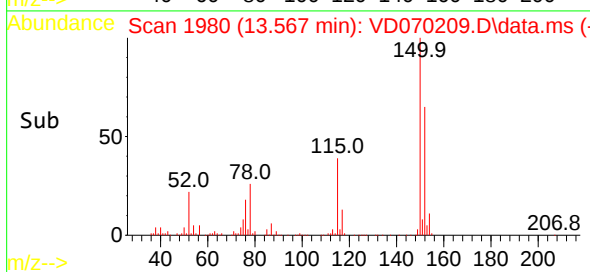
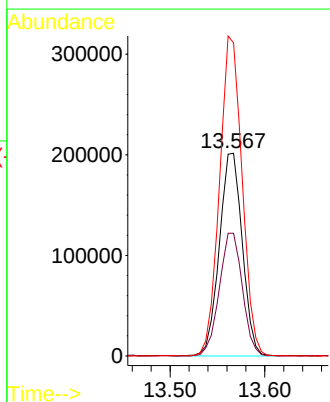
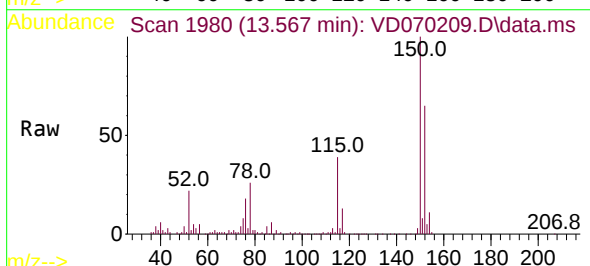
Instrument :
MSVOA_D
ClientSampled :

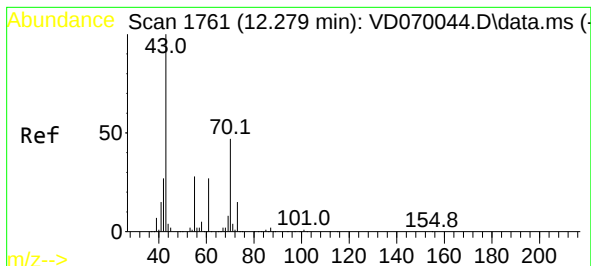
Tgt Ion:112 Resp: 25267
Ion Ratio Lower Upper
112 100
114 34.2 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD070209.D
Acq: 20 Aug 2021 18:13

Tgt Ion:152 Resp: 340046
Ion Ratio Lower Upper
152 100
115 61.0 31.2 93.6
150 155.3 0.0 352.0

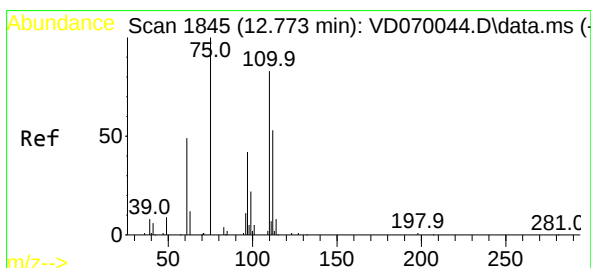
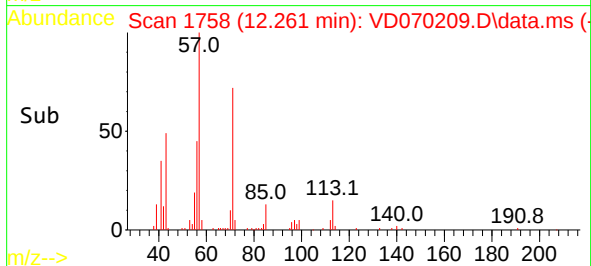
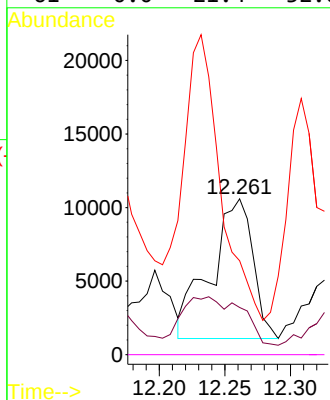
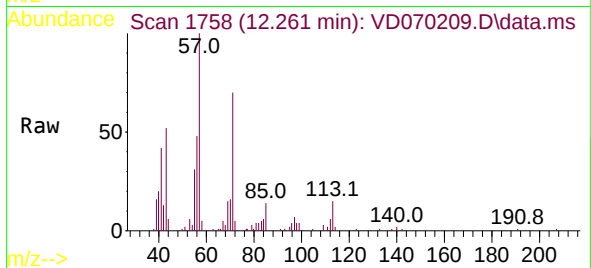




#74
N-amy1 acetate
Concen: 3.981 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.018 min
Lab File: VD070209.D
Acq: 20 Aug 2021 18:13

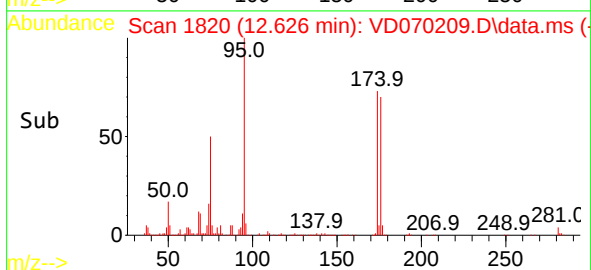
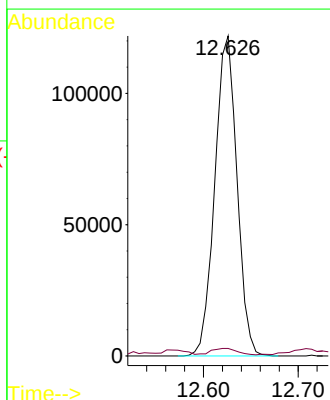
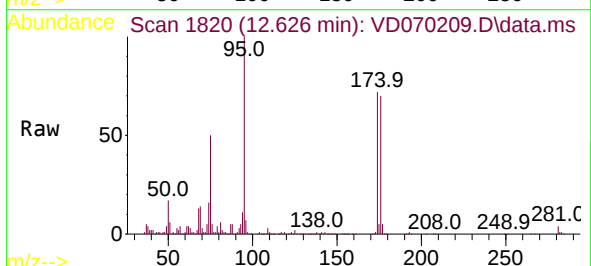
Instrument :
MSVOA_D
ClientSampled :

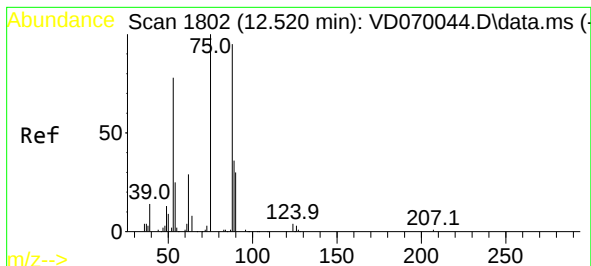
Tgt Ion: 43	Resp: 21282
Ion Ratio	Lower Upper
43 100	
70 0.0	37.2 55.8#
55 0.0	22.9 34.3#
61 0.0	21.4 32.0#



#76
1,2,3-Trichloropropane
Concen: 57.480 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070209.D
Acq: 20 Aug 2021 18:13

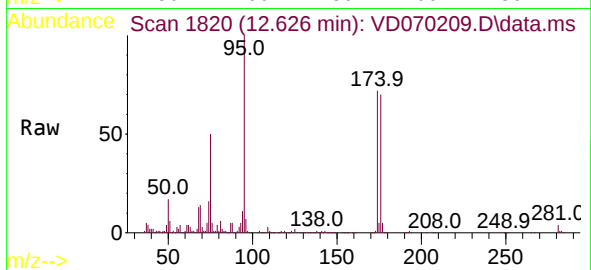
Tgt Ion: 75	Resp: 198220
Ion Ratio	Lower Upper
75 100	
77 2.3	182.4 547.2#





#81
trans-1,4-Dichloro-2-butene
Concen: 149.196 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070209.D
Acq: 20 Aug 2021 18:13

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 198220
Ion Ratio Lower Upper
75 100
53 1.8 64.5 96.7#
89 0.3 33.7 50.5#

