

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082021\
 Data File : VD070208.D
 Acq On : 20 Aug 2021 17:44
 Operator : VA/SY
 Sample : M3463-07
 Misc : 3.6G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 23 03:54:33 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)

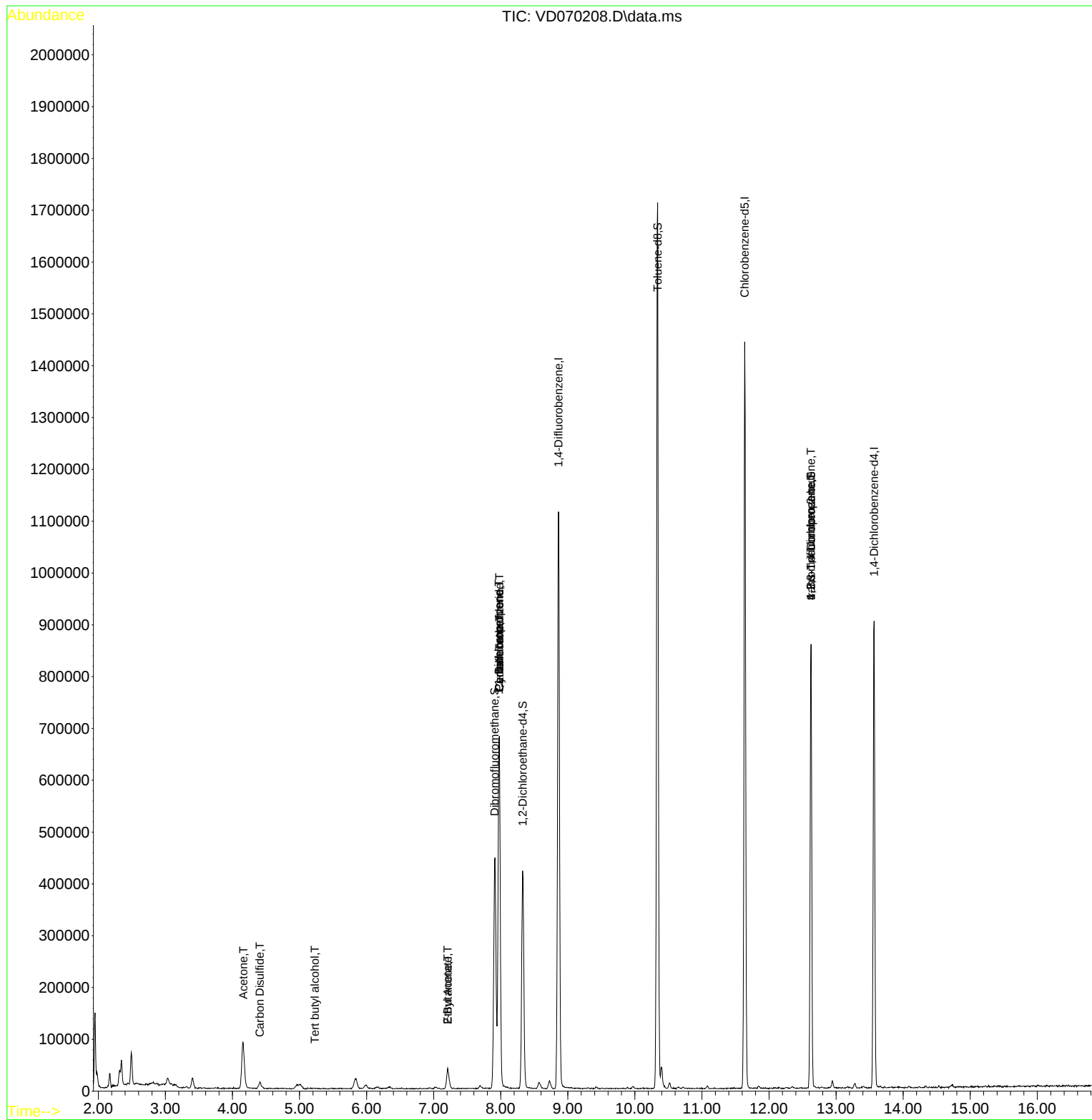
Internal Standards						
1) Pentafluorobenzene	7.979	168	490615	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	953674	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	827298	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	239783	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	329874	57.167	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.340%
35) Dibromofluoromethane	7.908	113	327250	53.113	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.220%
50) Toluene-d8	10.338	98	1170639	48.849	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.700%
62) 4-Bromofluorobenzene	12.626	95	298510	37.819	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	75.640%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	54	Below Cal	#	42
3) Chloromethane	2.209	50	1023	Below Cal	#	70
5) Bromomethane	2.744	94	88	Below Cal	#	43
11) Tert butyl alcohol	5.226	59	607	1.903	ug/l #	71
16) Acetone	4.162	43	153693	144.584	ug/l	90
17) Carbon Disulfide	4.409	76	23470	1.114	ug/l	97
20) Methylene Chloride	4.967	84	5147	Below Cal	#	84
25) 2-Butanone	7.209	43	50879	35.028	ug/l #	84
31) Cyclohexane	7.979	56	11449	1.002	ug/l #	13
36) 1,1-Dichloropropene	7.973	75	45387	4.424	ug/l #	49
37) Ethyl Acetate	7.209	43	50879	13.653	ug/l #	81
38) Carbon Tetrachloride	7.979	117	53021	5.693	ug/l #	16
76) 1,2,3-Trichloropropane	12.626	75	146488	60.240	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	146488	156.362	ug/l #	18

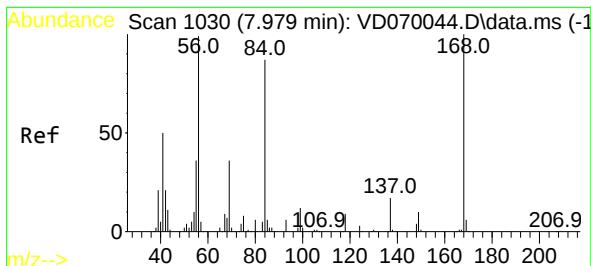
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 23 03:54:33 2021
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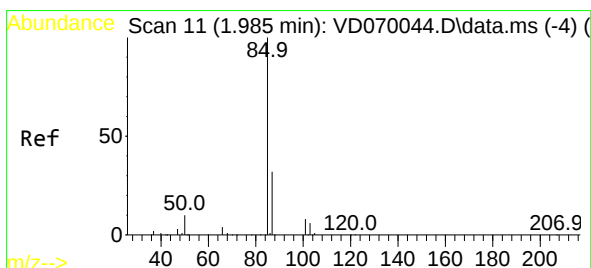
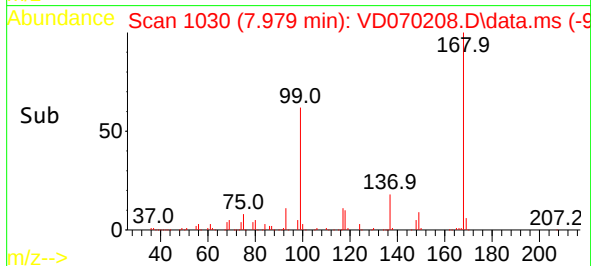
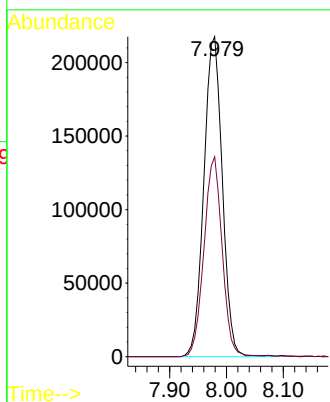
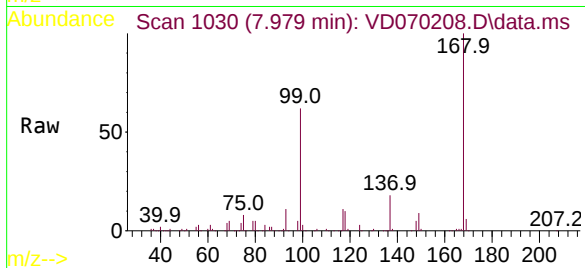




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070208.D
Acq: 20 Aug 2021 17:44

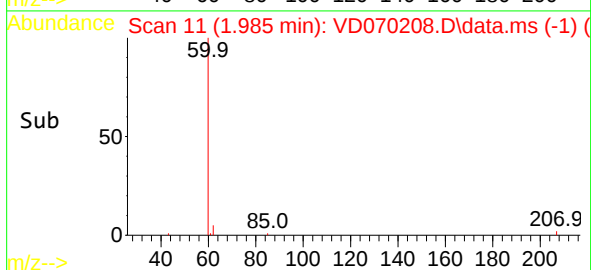
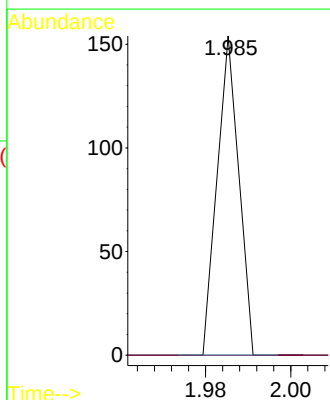
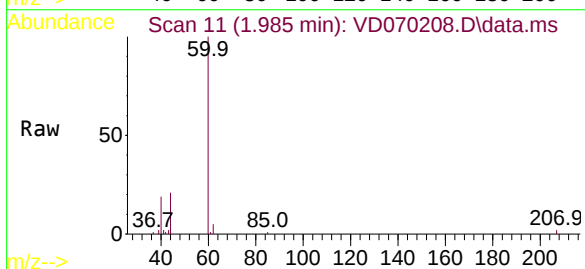
Instrument :
MSVOA_D
ClientSampled :

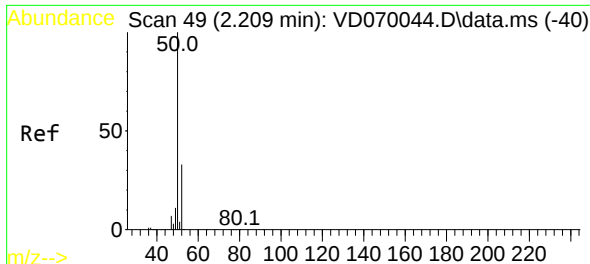
Tgt Ion:168 Resp: 490615
Ion Ratio Lower Upper
168 100
99 62.4 50.3 75.5



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.985 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD070208.D
Acq: 20 Aug 2021 17:44

Tgt Ion: 85 Resp: 54
Ion Ratio Lower Upper
85 100
87 0.0 16.2 48.6#

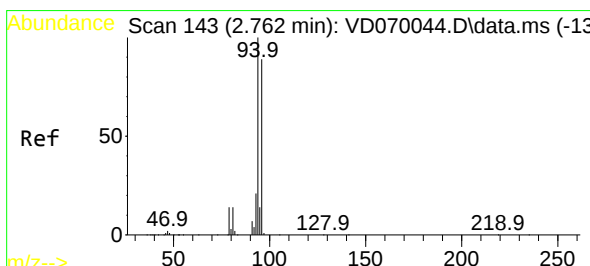
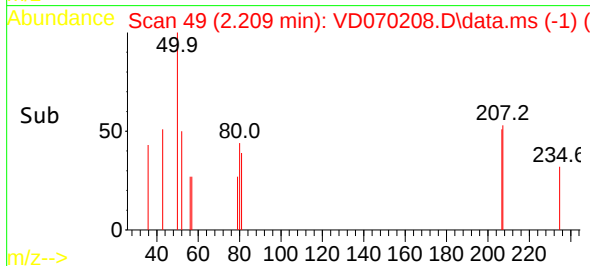
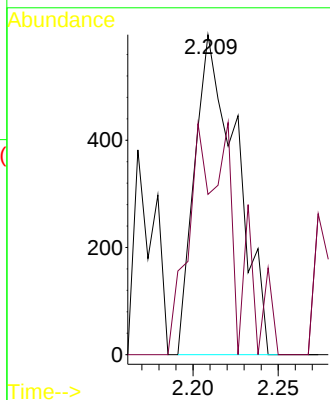
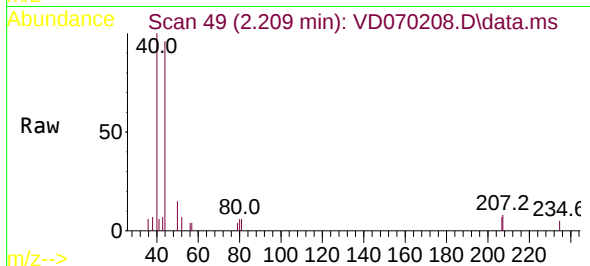




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070208.D
Acq: 20 Aug 2021 17:44

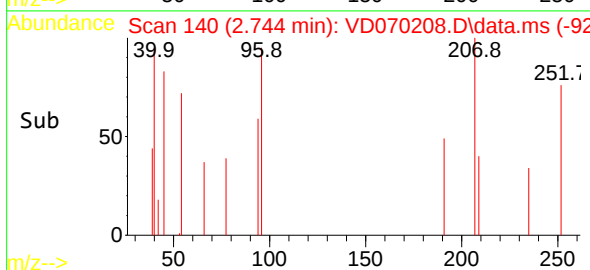
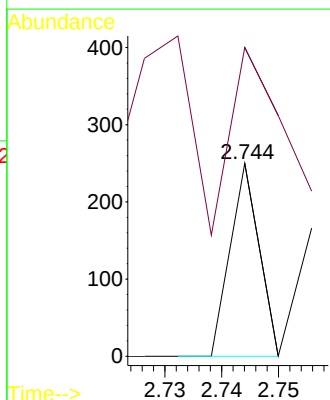
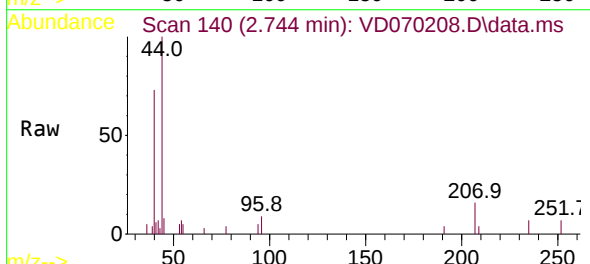
Instrument :
MSVOA_D
ClientSampled :

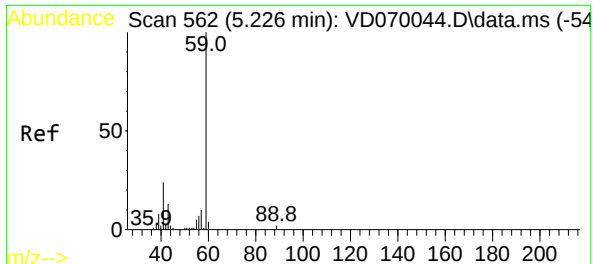
Tgt Ion: 50 Resp: 1023
Ion Ratio Lower Upper
50 100
52 50.1 26.3 39.5#



#5
Bromomethane
Concen: Below Cal
RT: 2.744 min Scan# 140
Delta R.T. -0.018 min
Lab File: VD070208.D
Acq: 20 Aug 2021 17:44

Tgt Ion: 94 Resp: 88
Ion Ratio Lower Upper
94 100
96 35.2 70.9 106.3#



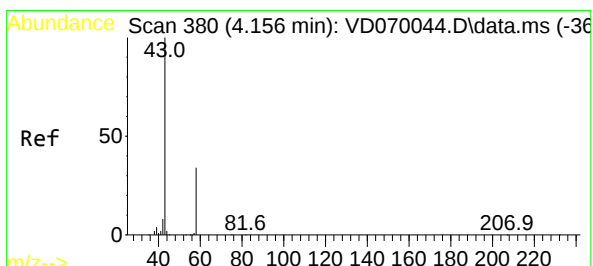
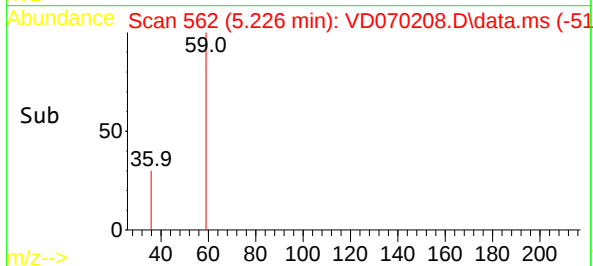
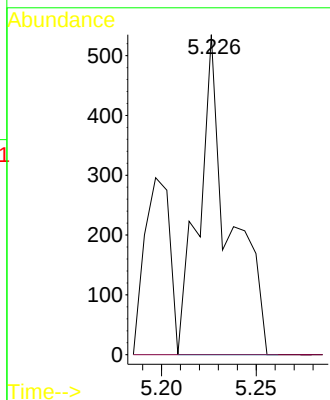
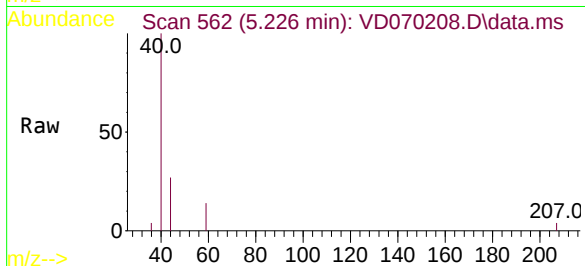


#11

Tert butyl alcohol
Concen: 1.903 ug/l
RT: 5.226 min Scan# 562
Delta R.T. 0.000 min
Lab File: VD070208.D
Acq: 20 Aug 2021 17:44

Instrument :
MSVOA_D
ClientSampled :

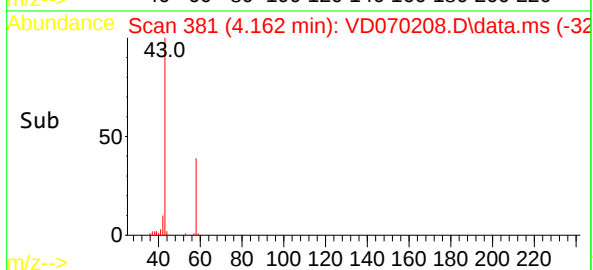
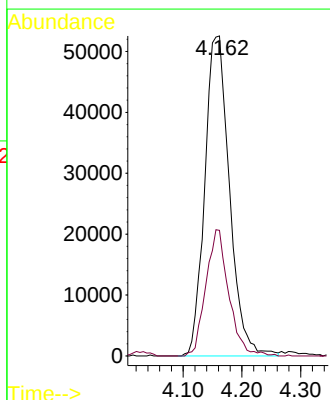
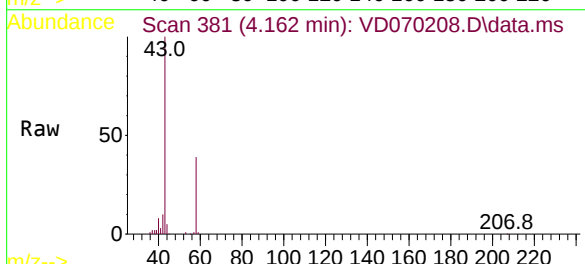
Tgt Ion: 59 Resp: 607
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

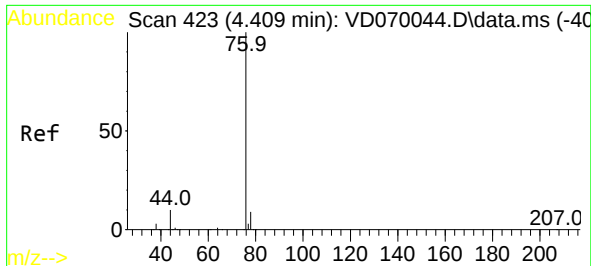


#16

Acetone
Concen: 144.584 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070208.D
Acq: 20 Aug 2021 17:44

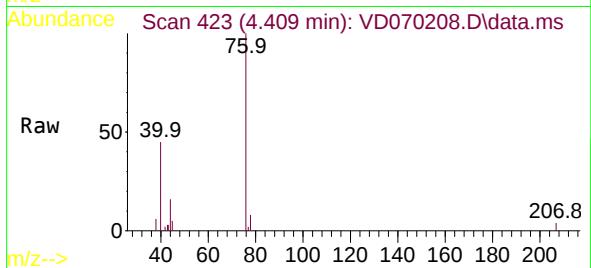
Tgt Ion: 43 Resp: 153693
Ion Ratio Lower Upper
43 100
58 39.2 26.8 40.2



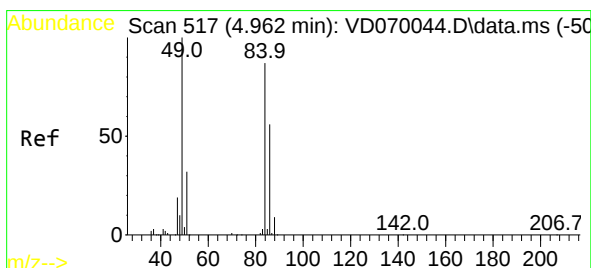
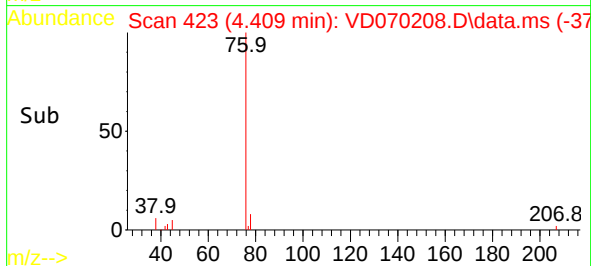
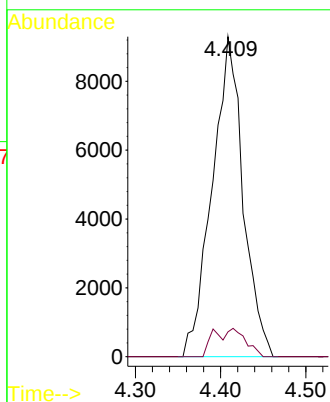


#17
Carbon Disulfide
Concen: 1.114 ug/l
RT: 4.409 min Scan# 423
Delta R.T. 0.000 min
Lab File: VD070208.D
Acq: 20 Aug 2021 17:44

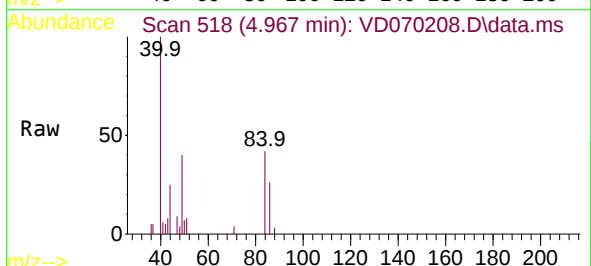
Instrument :
MSVOA_D
ClientSampled :



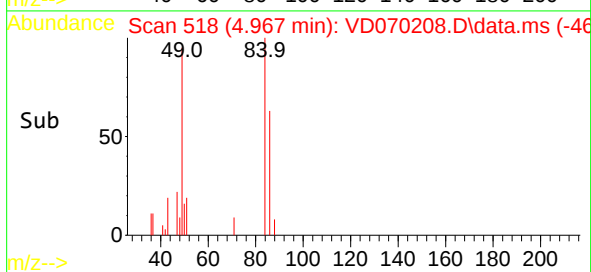
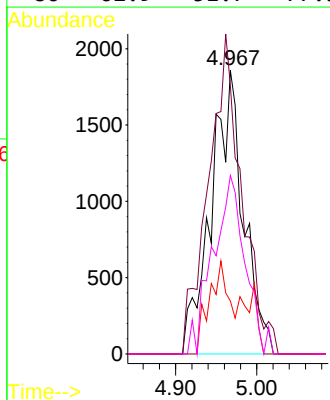
Tgt Ion: 76 Resp: 23470
Ion Ratio Lower Upper
76 100
78 7.7 7.1 10.7

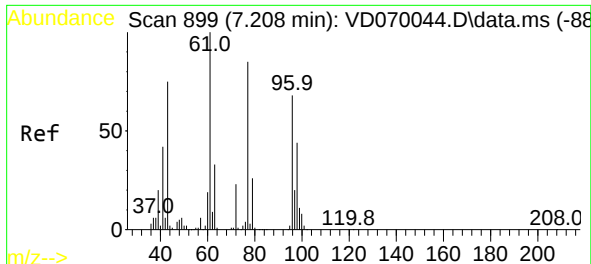


#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD070208.D
Acq: 20 Aug 2021 17:44



Tgt Ion: 84 Resp: 5147
Ion Ratio Lower Upper
84 100
49 94.8 92.5 138.7
51 18.7 29.7 44.5#
86 62.9 51.7 77.5

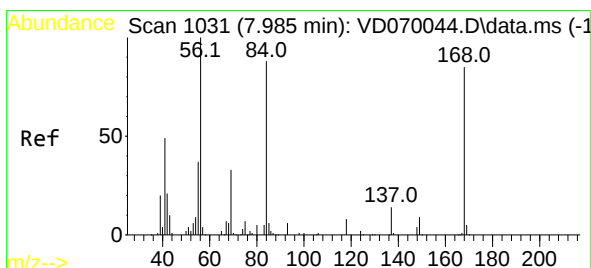
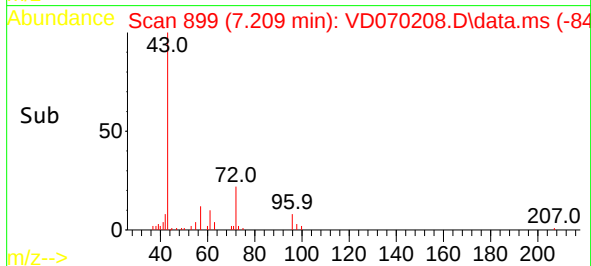
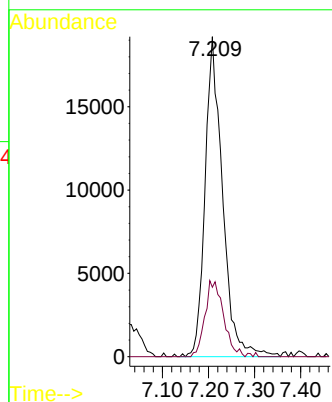
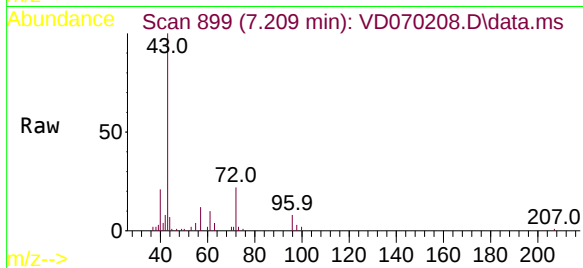




#25
2-Butanone
Concen: 35.028 ug/l
RT: 7.209 min Scan# 899
Delta R.T. 0.000 min
Lab File: VD070208.D
Acq: 20 Aug 2021 17:44

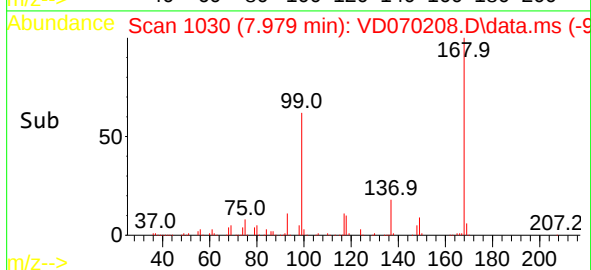
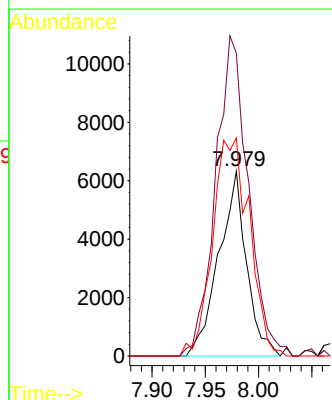
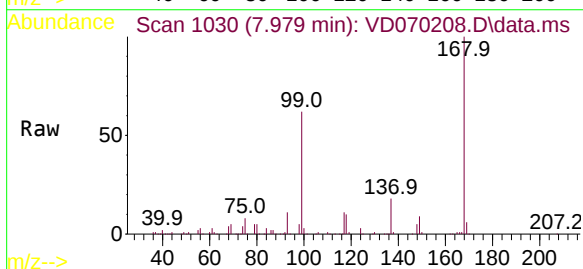
Instrument :
MSVOA_D
ClientSampled :

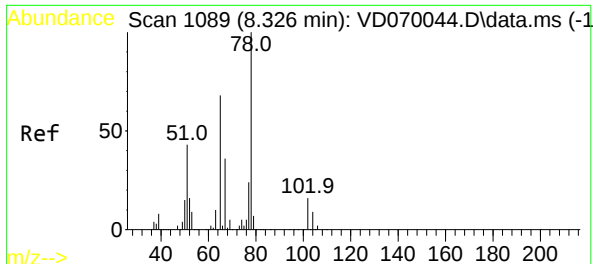
Tgt Ion: 43 Resp: 50879
Ion Ratio Lower Upper
43 100
72 21.7 24.2 36.4#



#31
Cyclohexane
Concen: 1.002 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070208.D
Acq: 20 Aug 2021 17:44

Tgt Ion: 56 Resp: 11449
Ion Ratio Lower Upper
56 100
69 163.8 26.7 40.1#
84 118.0 70.4 105.6#

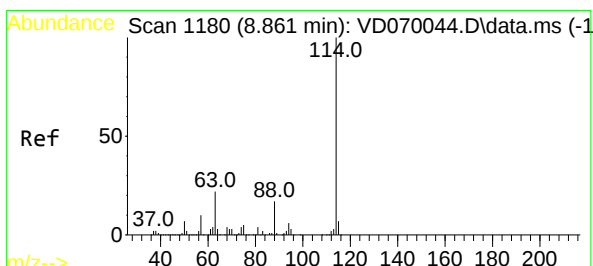
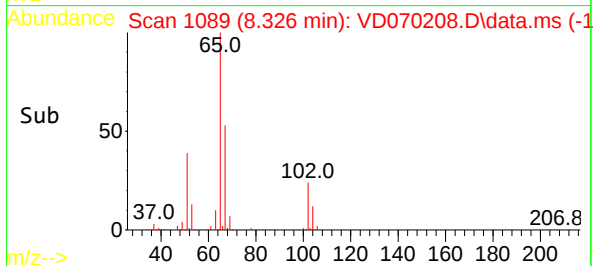
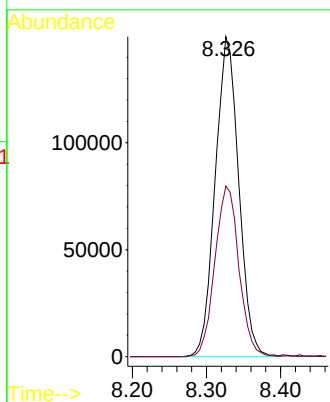
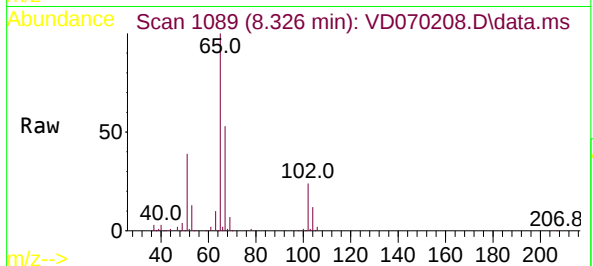




#33
1,2-Dichloroethane-d4
Concen: 57.167 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070208.D
Acq: 20 Aug 2021 17:44

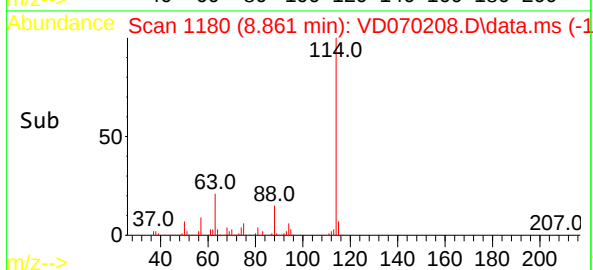
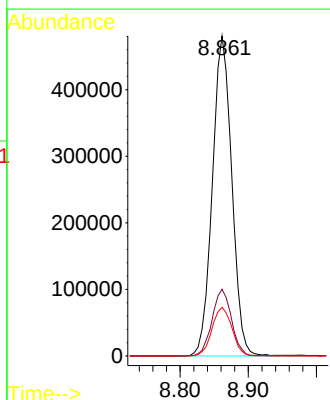
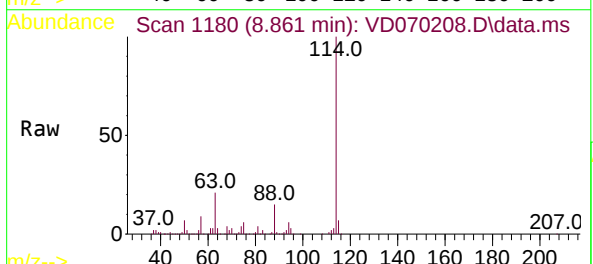
Instrument :
MSVOA_D
ClientSampled :

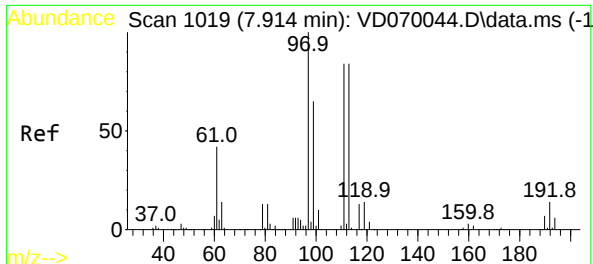
Tgt Ion: 65 Resp: 329874
Ion Ratio Lower Upper
65 100
67 54.4 0.0 107.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070208.D
Acq: 20 Aug 2021 17:44

Tgt Ion:114 Resp: 953674
Ion Ratio Lower Upper
114 100
63 20.9 0.0 43.6
88 15.2 0.0 33.4



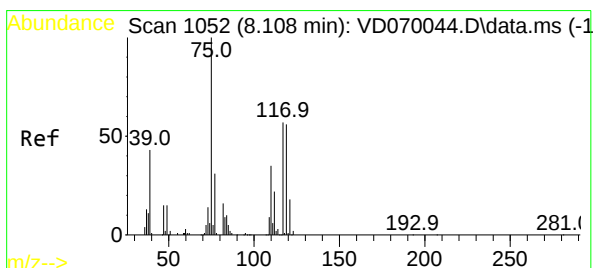
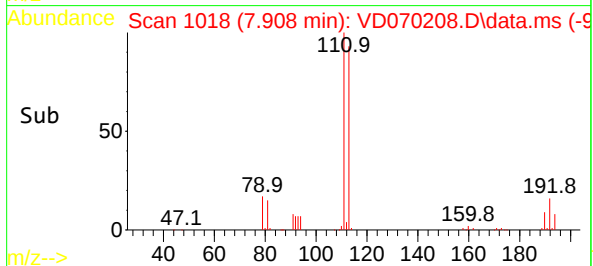
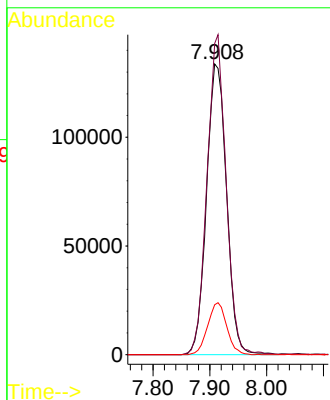
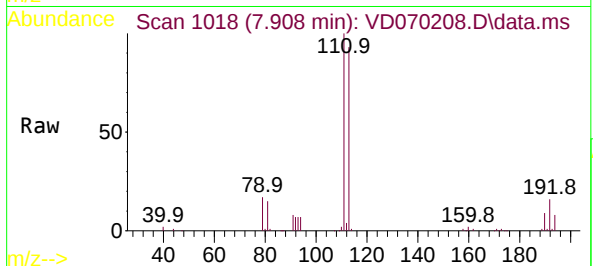


#35

Dibromofluoromethane
Concen: 53.113 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD070208.D
Acq: 20 Aug 2021 17:44

Instrument :
MSVOA_D
ClientSampleId :

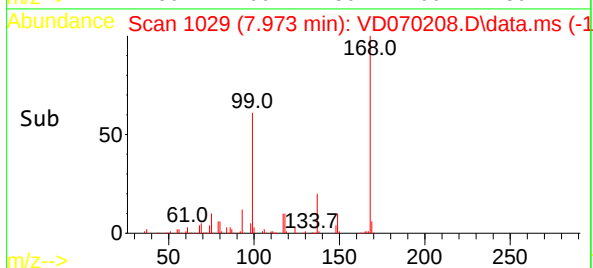
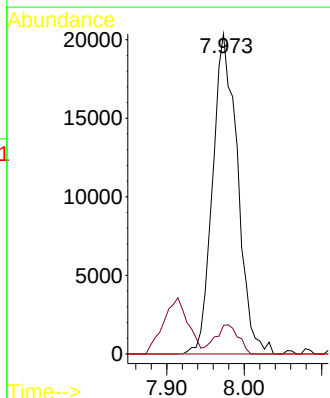
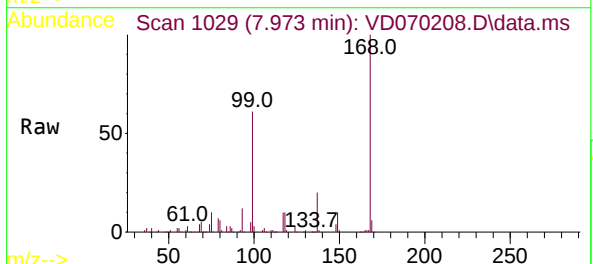
Tgt Ion:113 Resp: 327250
Ion Ratio Lower Upper
113 100
111 104.7 81.8 122.6
192 17.0 13.2 19.8

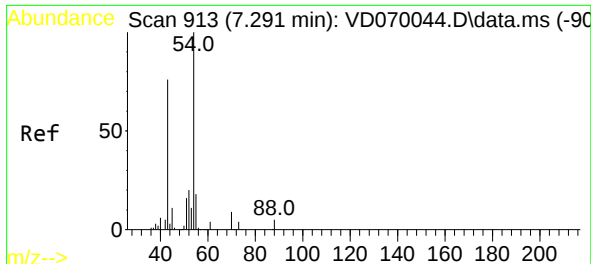


#36

1,1-Dichloropropene
Concen: 4.424 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070208.D
Acq: 20 Aug 2021 17:44

Tgt Ion: 75 Resp: 45387
Ion Ratio Lower Upper
75 100
110 8.2 16.9 50.7#
77 0.0 25.2 37.8#





#37

Ethyl Acetate

Concen: 13.653 ug/l

RT: 7.209 min Scan# 899

Delta R.T. -0.082 min

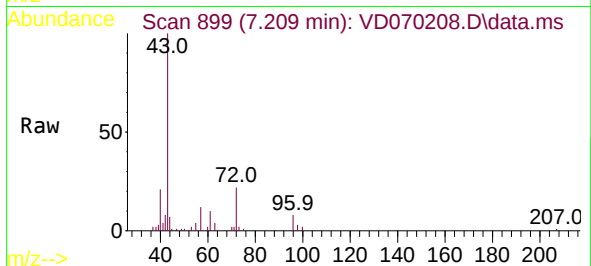
Lab File: VD070208.D

Acq: 20 Aug 2021 17:44

Instrument :

MSVOA_D

ClientSampled :



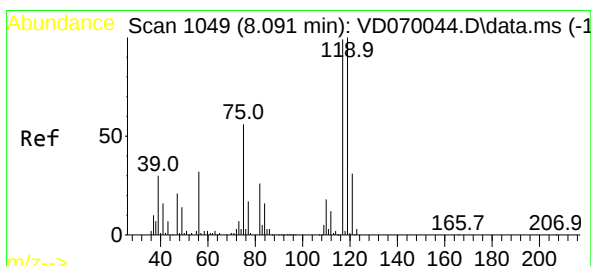
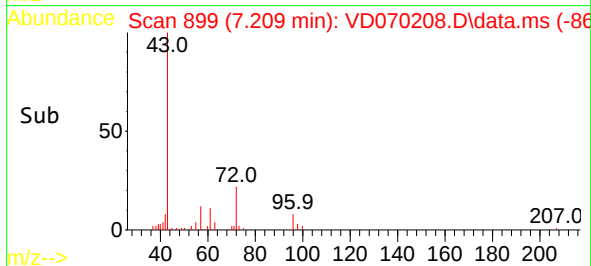
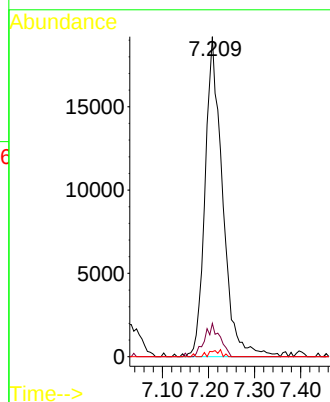
Tgt Ion: 43 Resp: 50879

Ion Ratio Lower Upper

43 100

61 8.9 11.8 17.6#

70 1.4 9.0 13.6#



#38

Carbon Tetrachloride

Concen: 5.693 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.112 min

Lab File: VD070208.D

Acq: 20 Aug 2021 17:44

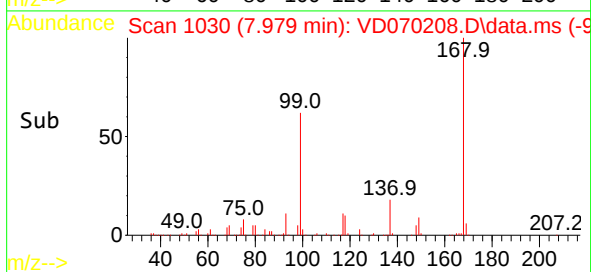
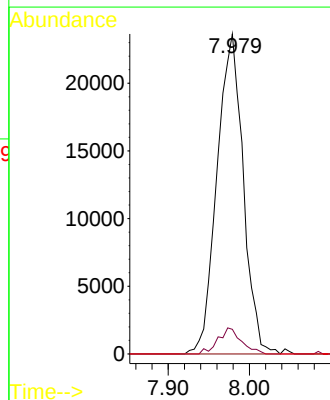
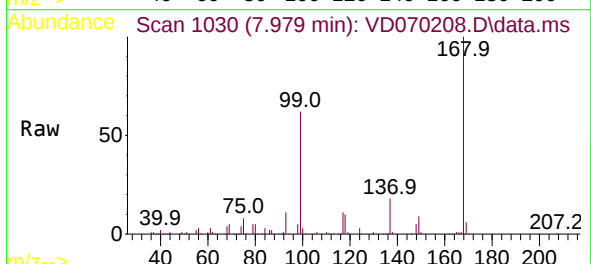
Tgt Ion: 117 Resp: 53021

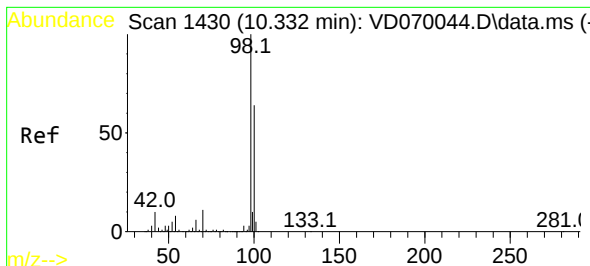
Ion Ratio Lower Upper

117 100

119 7.7 81.0 121.6#

121 0.0 25.0 37.6#

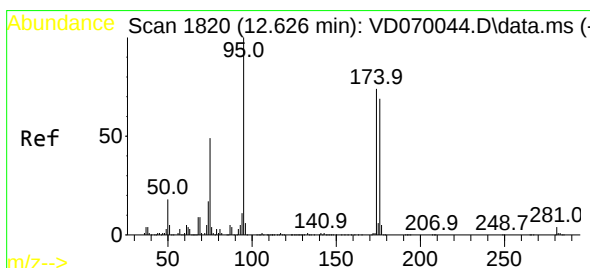
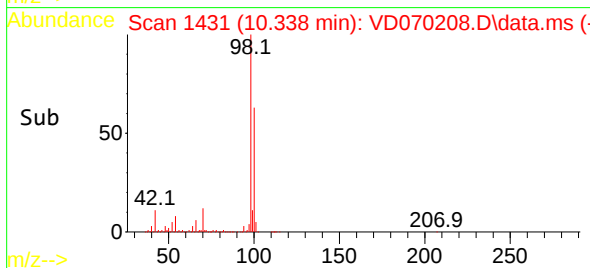
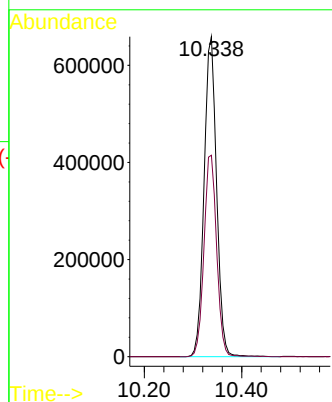
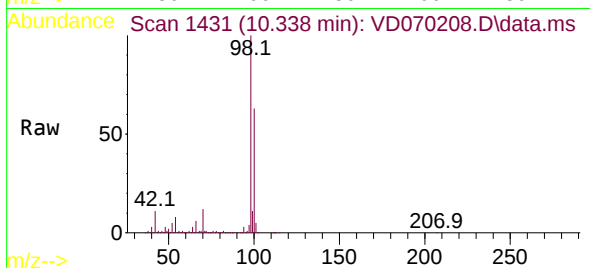




#50
Toluene-d8
Concen: 48.849 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070208.D
Acq: 20 Aug 2021 17:44

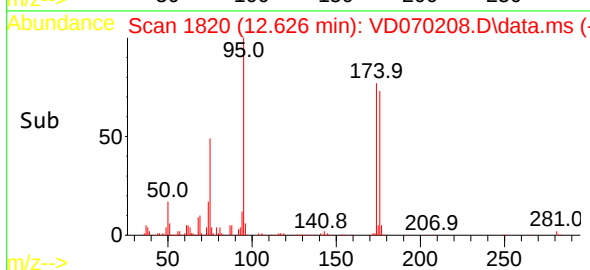
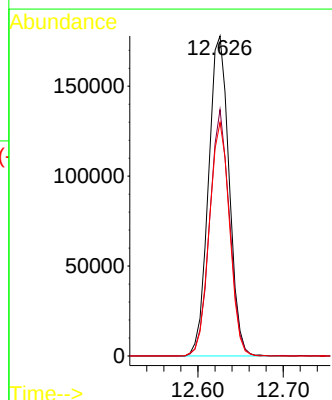
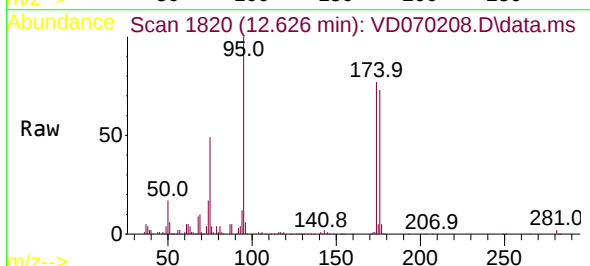
Instrument :
MSVOA_D
ClientSampled :

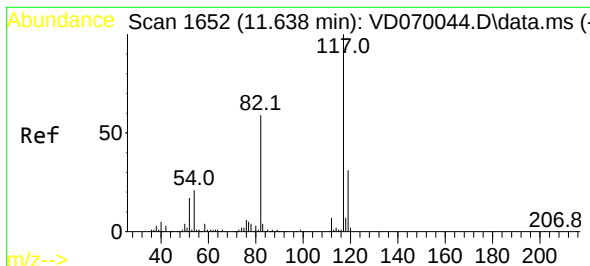
Tgt Ion: 98 Resp: 1170639
Ion Ratio Lower Upper
98 100
100 63.9 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 37.819 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070208.D
Acq: 20 Aug 2021 17:44

Tgt Ion: 95 Resp: 298510
Ion Ratio Lower Upper
95 100
174 73.9 0.0 141.6
176 71.8 0.0 138.2

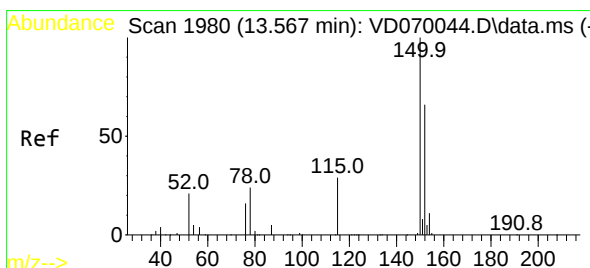
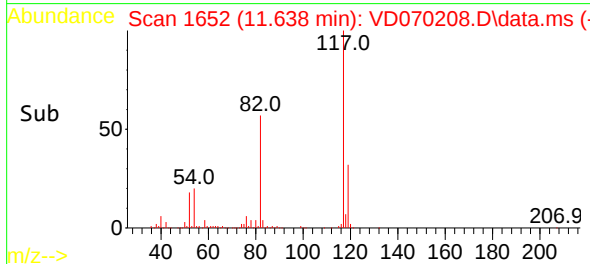
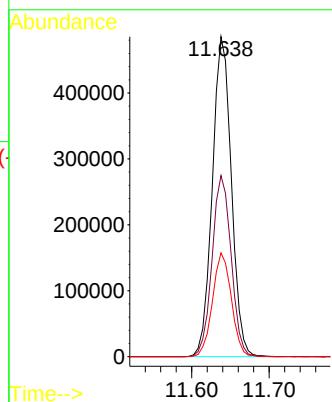
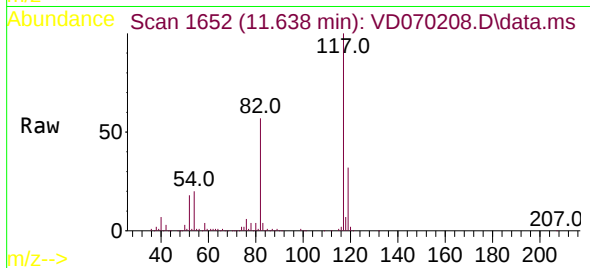




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070208.D
Acq: 20 Aug 2021 17:44

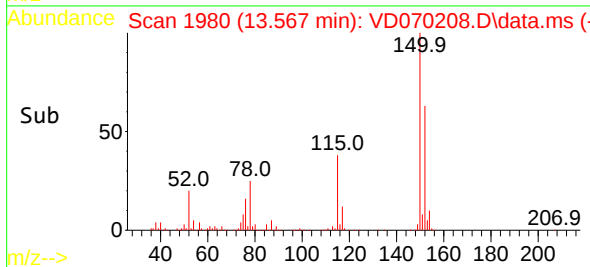
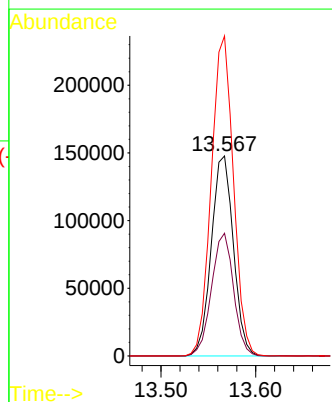
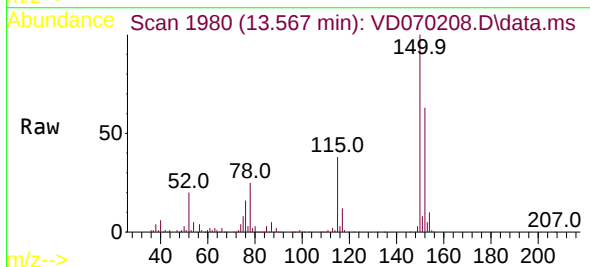
Instrument :
MSVOA_D
ClientSampled :

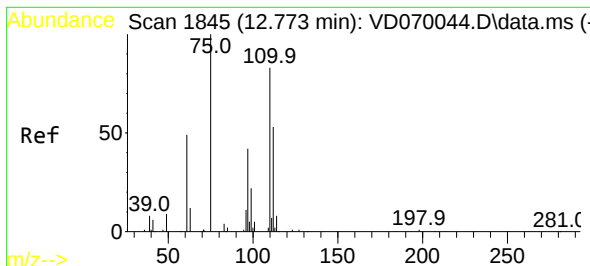
Tgt Ion:117 Resp: 827298
Ion Ratio Lower Upper
117 100
82 56.6 47.5 71.3
119 32.4 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD070208.D
Acq: 20 Aug 2021 17:44

Tgt Ion:152 Resp: 239783
Ion Ratio Lower Upper
152 100
115 61.2 31.2 93.6
150 160.1 0.0 352.0

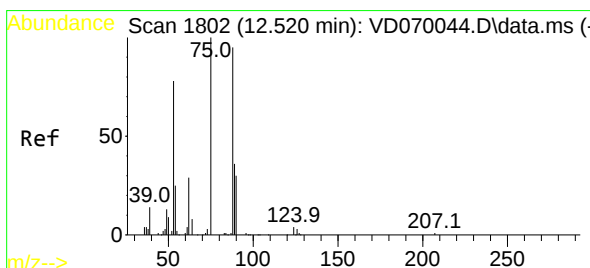
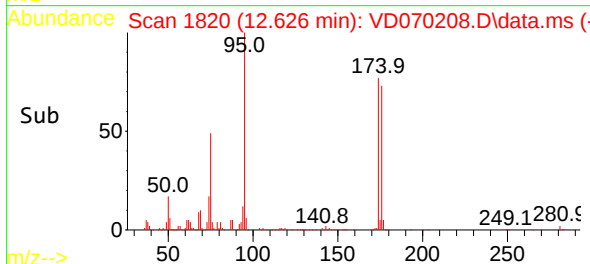
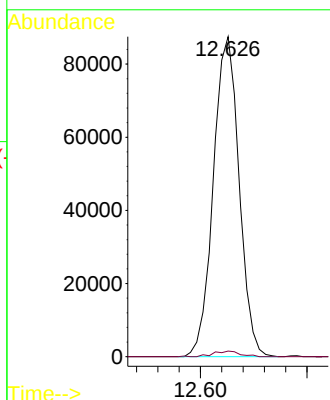
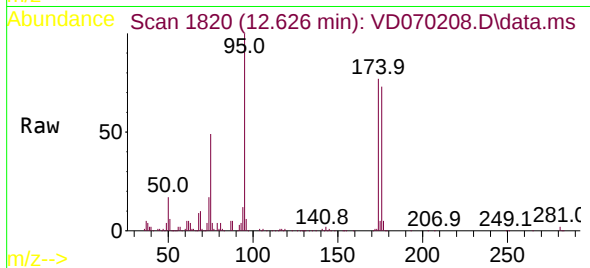




#76
1,2,3-Trichloropropane
Concen: 60.240 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070208.D
Acq: 20 Aug 2021 17:44

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 146488
Ion Ratio Lower Upper
75 100
77 1.8 182.4 547.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 156.362 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070208.D
Acq: 20 Aug 2021 17:44

Tgt Ion: 75 Resp: 146488
Ion Ratio Lower Upper
75 100
53 0.3 64.5 96.7#
89 0.1 33.7 50.5#

