

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082321\
 Data File : VD070220.D
 Acq On : 23 Aug 2021 14:26
 Operator : VA/SY
 Sample : M3463-21
 Misc : 5.4G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 24 01:31:05 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)

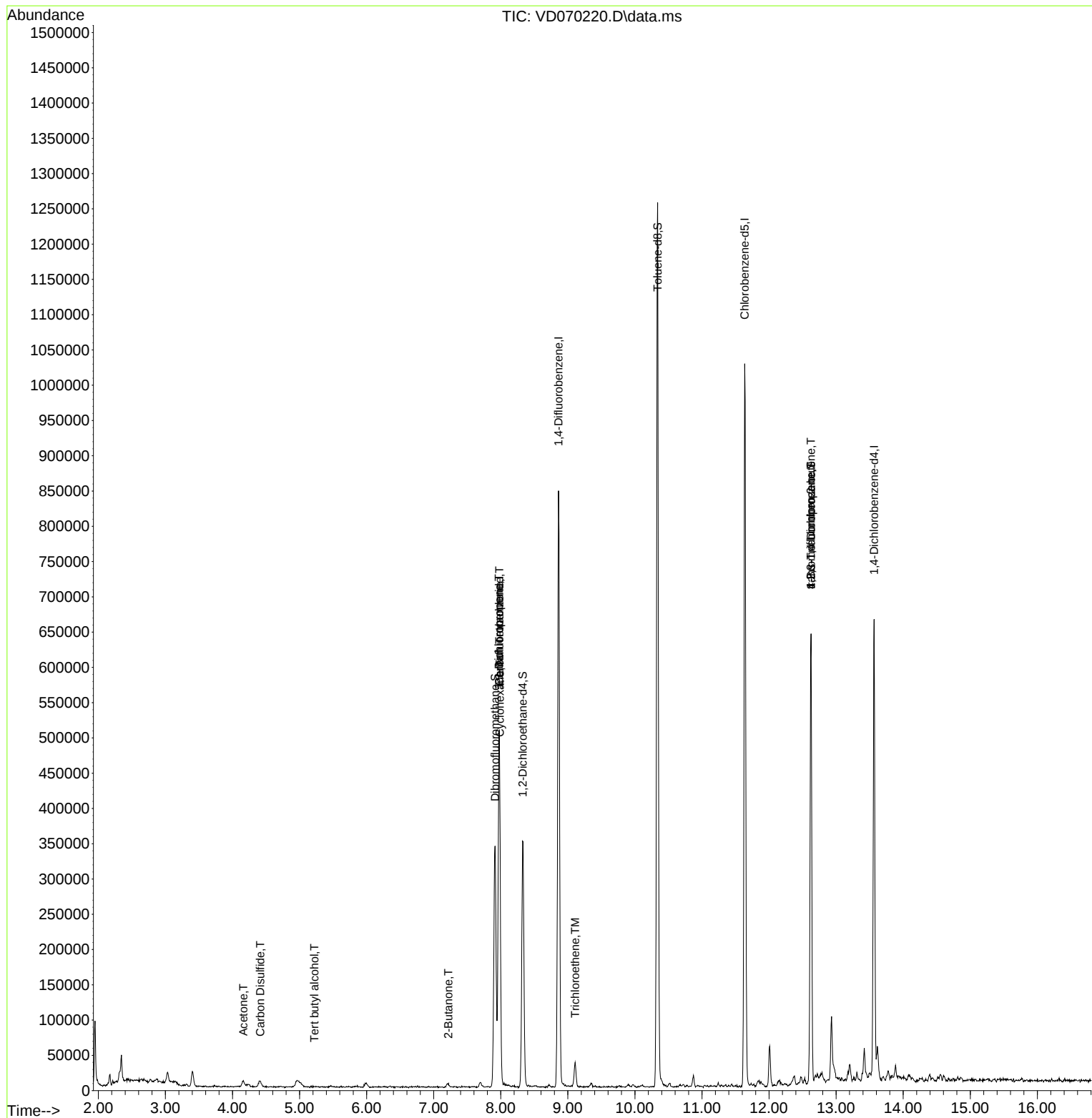
Internal Standards						
1) Pentafluorobenzene	7.979	168	351062	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	699782	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	604669	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	171046	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	274843	66.563	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	133.120%
35) Dibromofluoromethane	7.914	113	254178	56.221	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	112.440%
50) Toluene-d8	10.338	98	863647	49.114	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.220%
62) 4-Bromofluorobenzene	12.626	95	217611	37.572	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	75.140%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	780	Below Cal		79
3) Chloromethane	2.215	50	1653	Below Cal		93
5) Bromomethane	2.779	94	2249	Below Cal		91
11) Tert butyl alcohol	5.220	59	708	3.102 ug/l	#	71
16) Acetone	4.162	43	14434	18.976 ug/l	#	82
17) Carbon Disulfide	4.415	76	19056	1.264 ug/l		97
20) Methylene Chloride	4.962	84	6762	Below Cal	#	76
25) 2-Butanone	7.220	43	2126	2.045 ug/l	#	44
31) Cyclohexane	7.985	56	11370	1.391 ug/l	#	42
36) 1,1-Dichloropropene	7.973	75	33162	4.405 ug/l	#	50
38) Carbon Tetrachloride	7.979	117	38938	5.697 ug/l	#	14
44) Trichloroethene	9.108	130	10807	2.049 ug/l		97
76) 1,2,3-Trichloropropane	12.626	75	110140	63.494 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.626	75	110140	164.808 ug/l	#	18

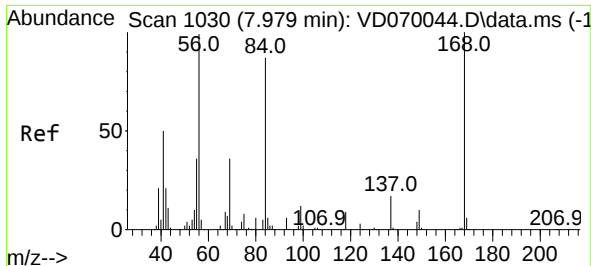
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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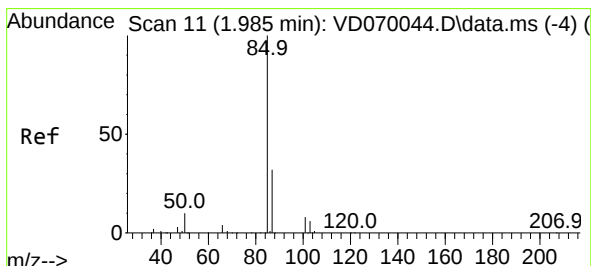
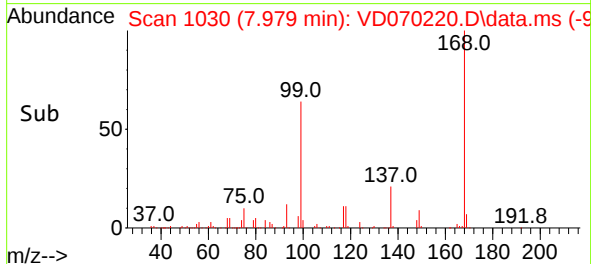
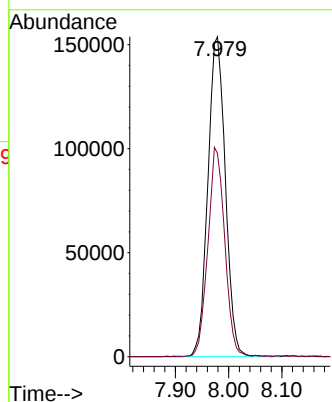
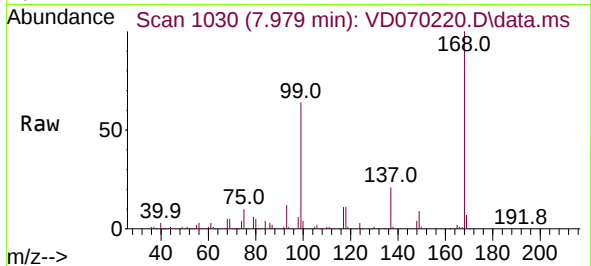




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070220.D
Acq: 23 Aug 2021 14:26

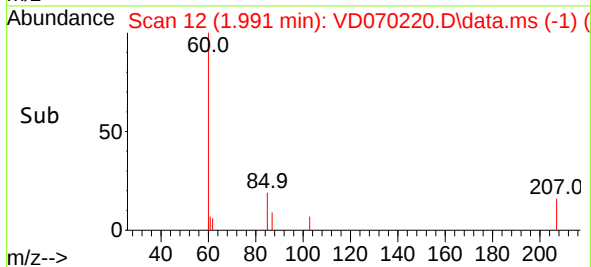
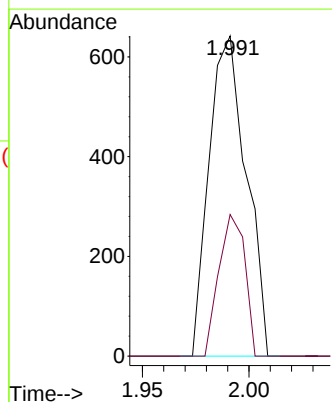
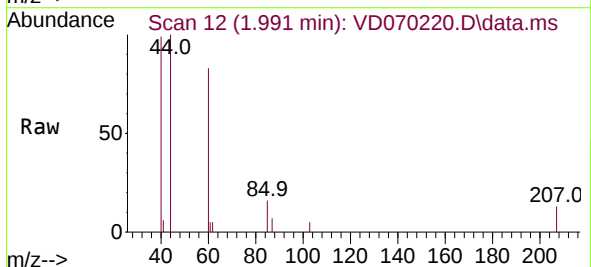
Instrument :
MSVOA_D
ClientSampleId :

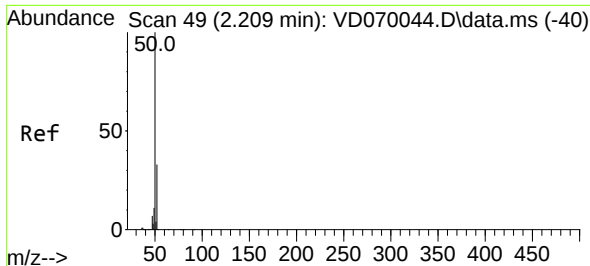
Tgt Ion:168 Resp: 351062
Ion Ratio Lower Upper
168 100
99 63.4 50.3 75.5



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.006 min
Lab File: VD070220.D
Acq: 23 Aug 2021 14:26

Tgt Ion: 85 Resp: 780
Ion Ratio Lower Upper
85 100
87 44.2 16.2 48.6

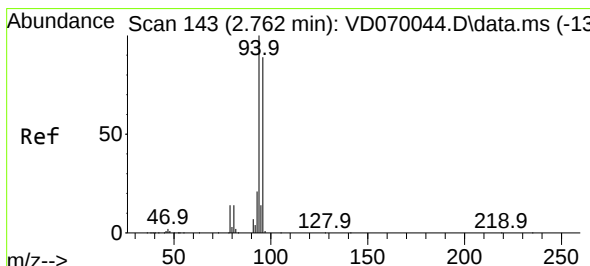
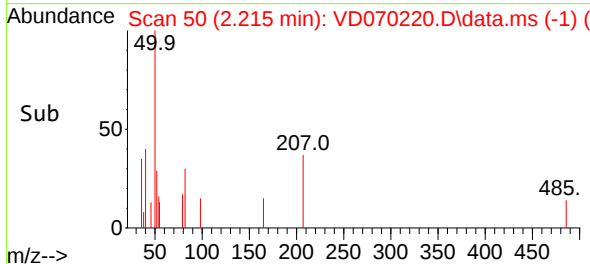
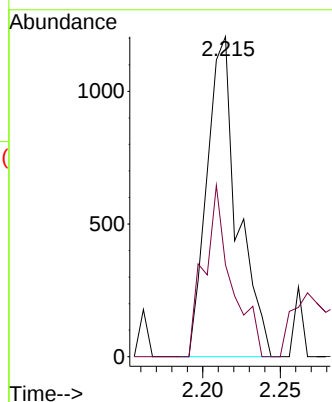
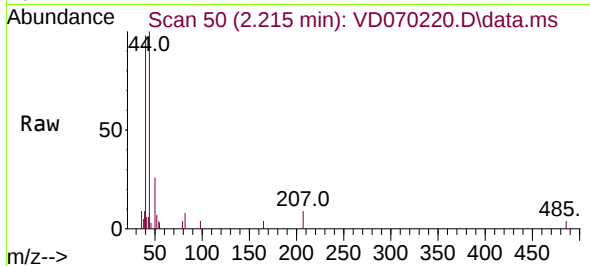




#3
Chloromethane
Concen: Below Cal
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD070220.D
Acq: 23 Aug 2021 14:26

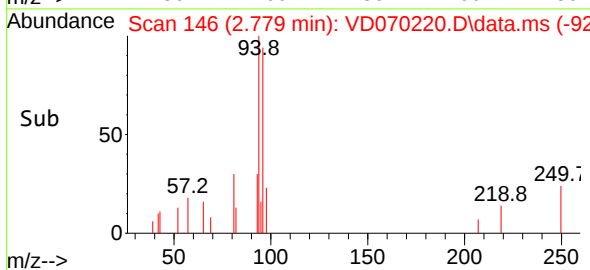
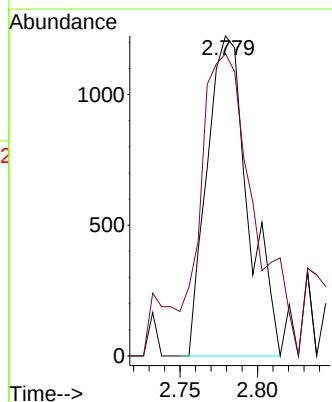
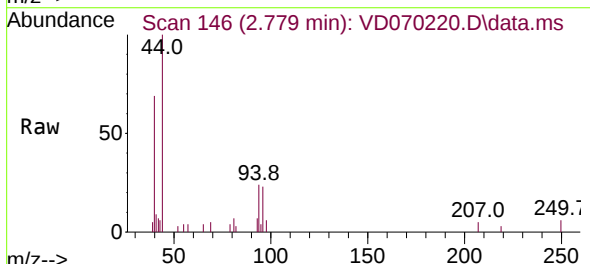
Instrument :
MSVOA_D
ClientSampled :

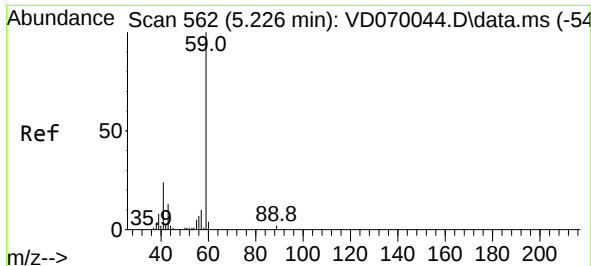
Tgt Ion: 50 Resp: 1653
Ion Ratio Lower Upper
50 100
52 28.7 26.3 39.5



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD070220.D
Acq: 23 Aug 2021 14:26

Tgt Ion: 94 Resp: 2249
Ion Ratio Lower Upper
94 100
96 80.6 70.9 106.3



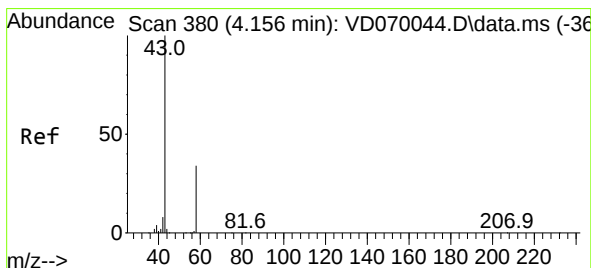
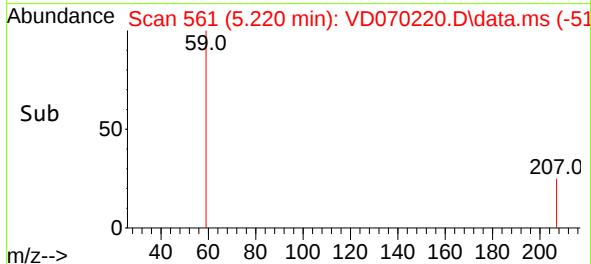
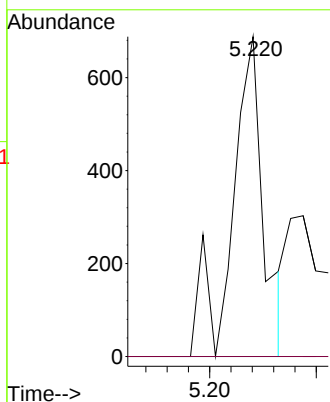
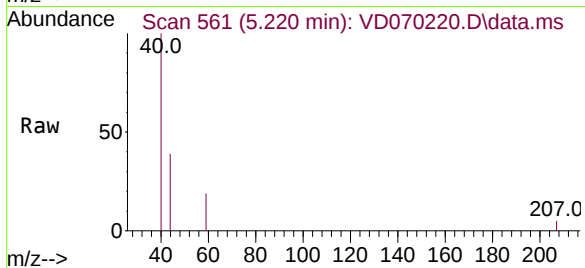


#11

Tert butyl alcohol
Concen: 3.102 ug/l
RT: 5.220 min Scan# 561
Delta R.T. -0.006 min
Lab File: VD070220.D
Acq: 23 Aug 2021 14:26

Instrument :
MSVOA_D
ClientSampleId :

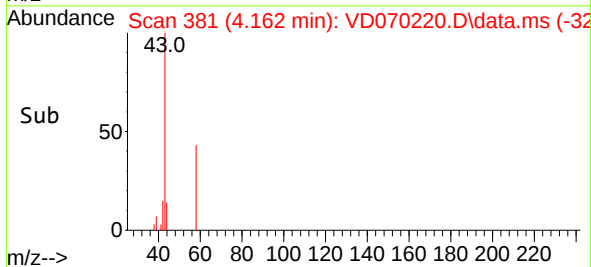
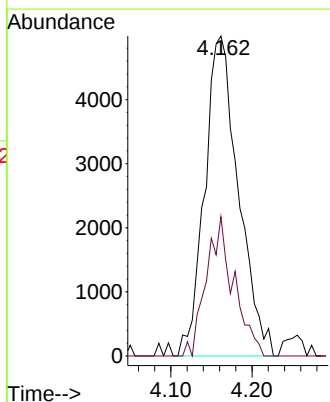
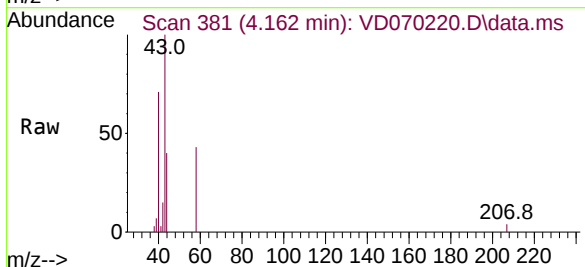
Tgt Ion: 59 Resp: 708
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

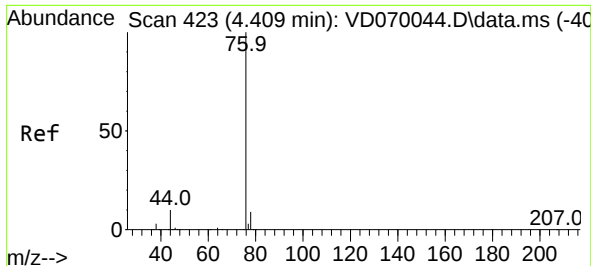


#16

Acetone
Concen: 18.976 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070220.D
Acq: 23 Aug 2021 14:26

Tgt Ion: 43 Resp: 14434
Ion Ratio Lower Upper
43 100
58 43.5 26.8 40.2#

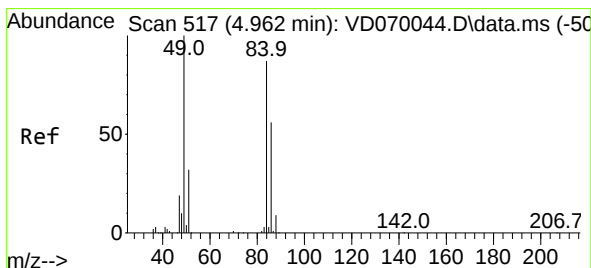
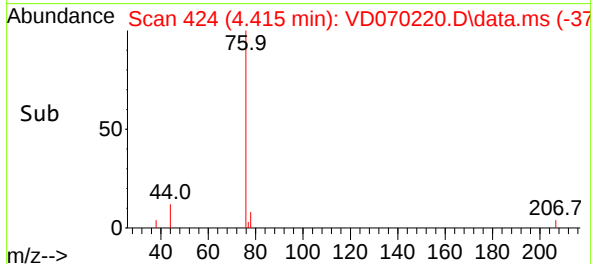
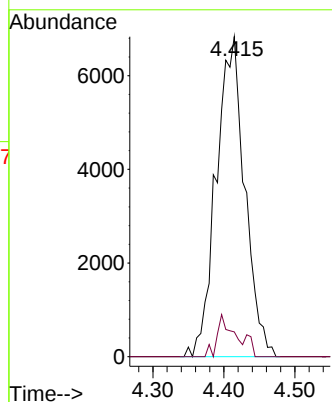
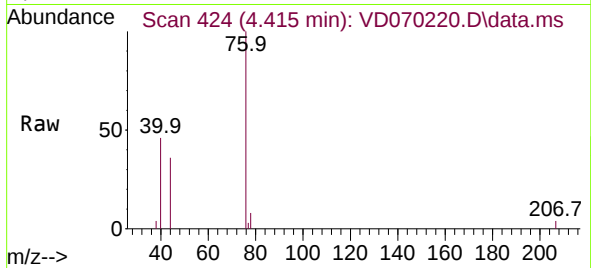




#17
Carbon Disulfide
Concen: 1.264 ug/l
RT: 4.415 min Scan# 424
Delta R.T. 0.006 min
Lab File: VD070220.D
Acq: 23 Aug 2021 14:26

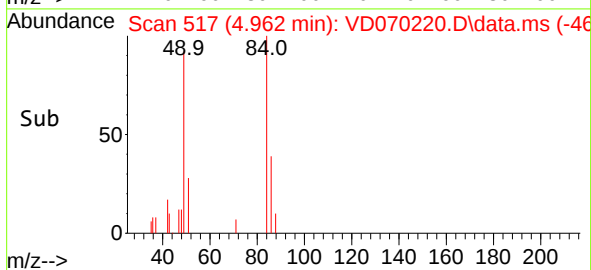
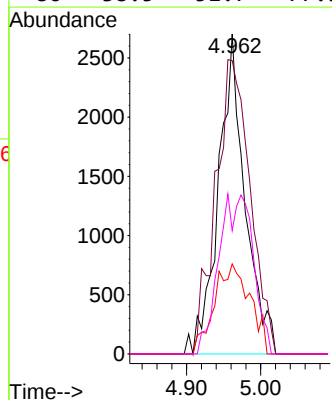
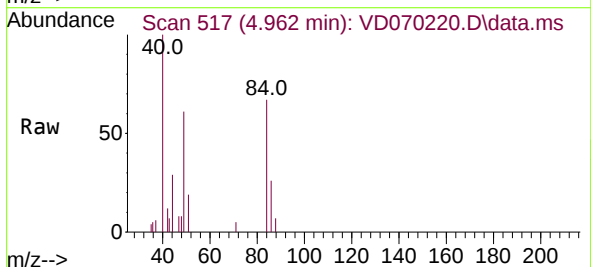
Instrument :
MSVOA_D
ClientSampleId :

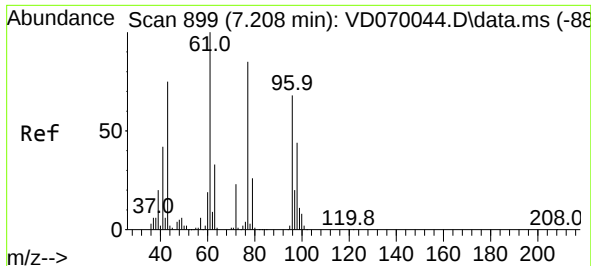
Tgt Ion: 76 Resp: 19056
Ion Ratio Lower Upper
76 100
78 7.8 7.1 10.7



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD070220.D
Acq: 23 Aug 2021 14:26

Tgt Ion: 84 Resp: 6762
Ion Ratio Lower Upper
84 100
49 91.7 92.5 138.7#
51 28.2 29.7 44.5#
86 38.5 51.7 77.5#

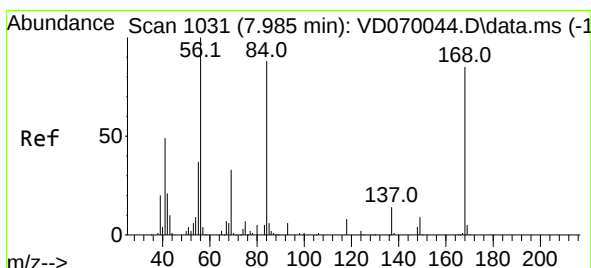
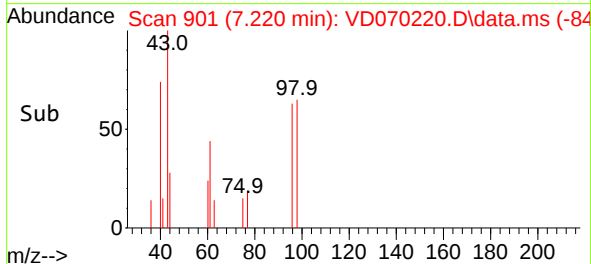
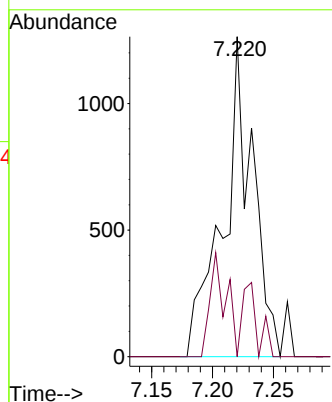
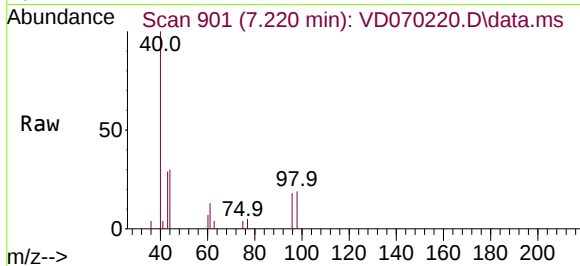




#25
2-Butanone
Concen: 2.045 ug/l
RT: 7.220 min Scan# 901
Delta R.T. 0.012 min
Lab File: VD070220.D
Acq: 23 Aug 2021 14:26

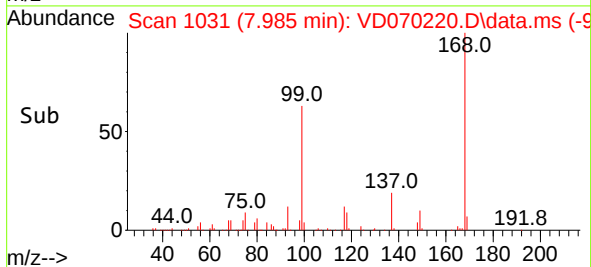
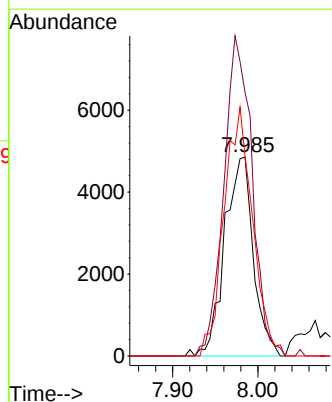
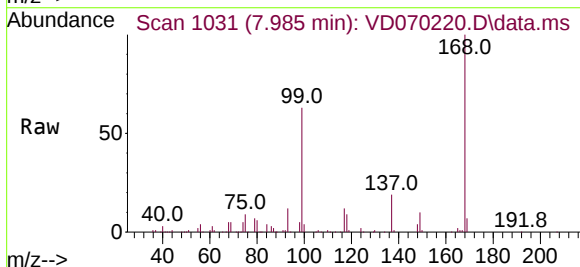
Instrument :
MSVOA_D
ClientSampled :

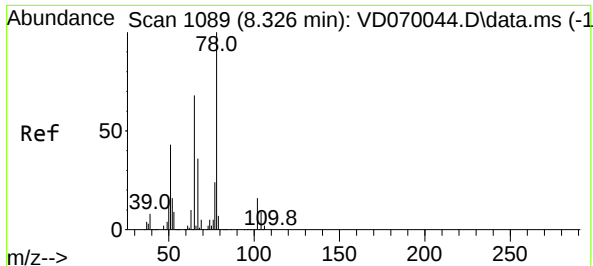
Tgt Ion: 43 Resp: 2126
Ion Ratio Lower Upper
43 100
72 0.0 24.2 36.4#



#31
Cyclohexane
Concen: 1.391 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD070220.D
Acq: 23 Aug 2021 14:26

Tgt Ion: 56 Resp: 11370
Ion Ratio Lower Upper
56 100
69 132.7 26.7 40.1#
84 100.6 70.4 105.6

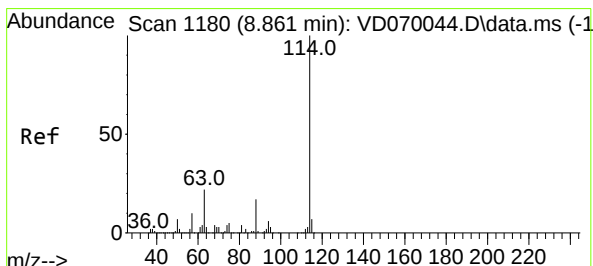
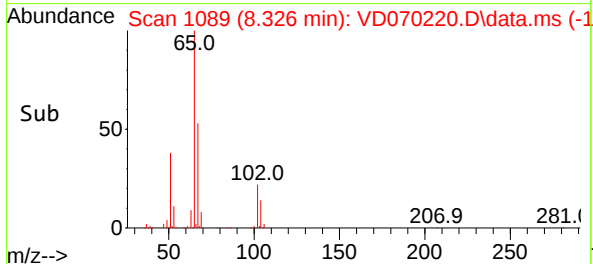
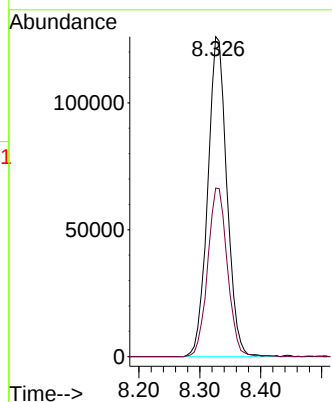
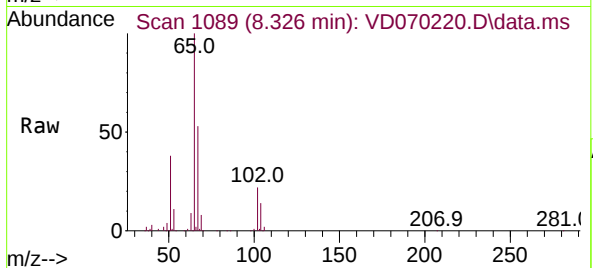




#33
1,2-Dichloroethane-d4
Concen: 66.563 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070220.D
Acq: 23 Aug 2021 14:26

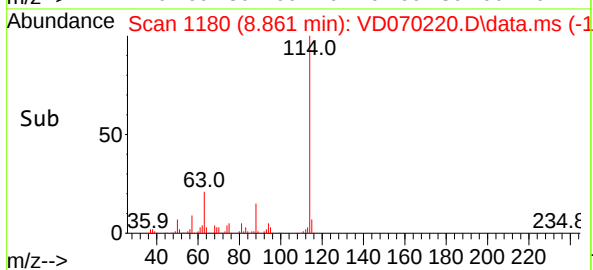
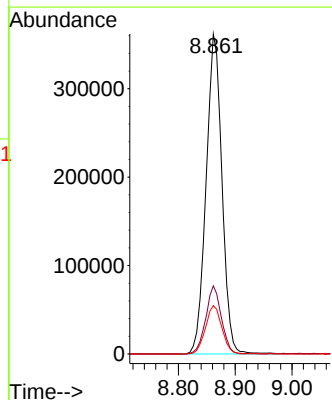
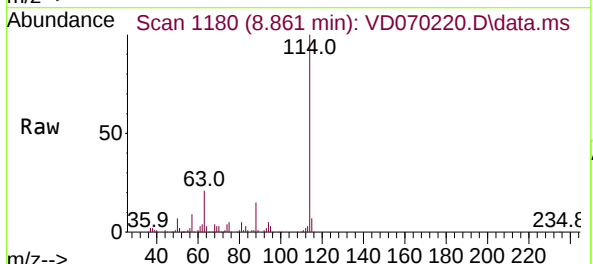
Instrument :
MSVOA_D
ClientSampled :

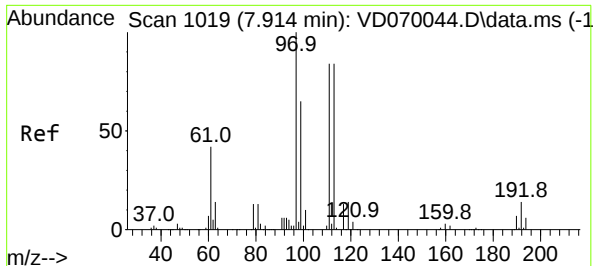
Tgt Ion: 65 Resp: 274843
Ion Ratio Lower Upper
65 100
67 54.2 0.0 107.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070220.D
Acq: 23 Aug 2021 14:26

Tgt Ion: 114 Resp: 699782
Ion Ratio Lower Upper
114 100
63 21.3 0.0 43.6
88 15.1 0.0 33.4

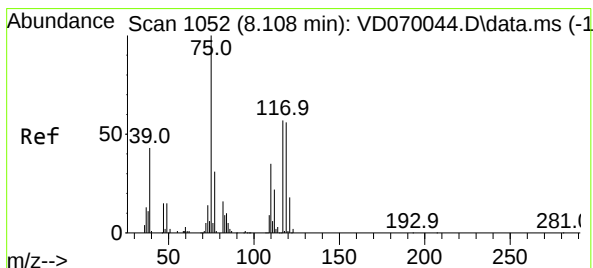
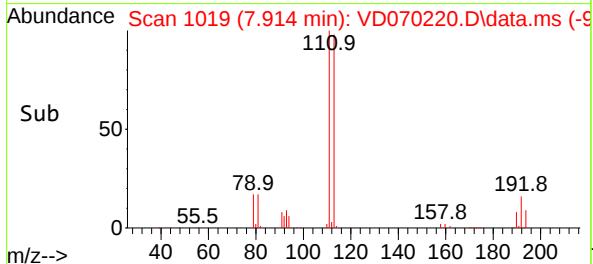
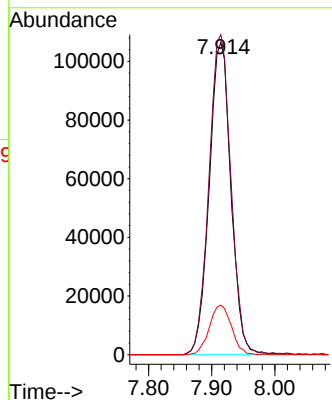
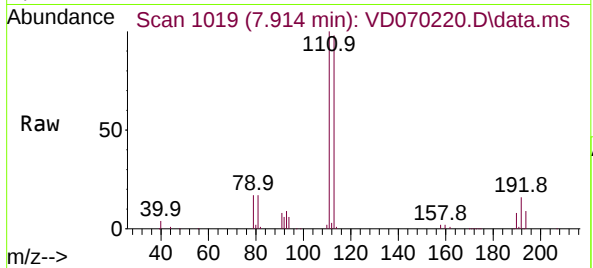




#35
Dibromofluoromethane
Concen: 56.221 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD070220.D
Acq: 23 Aug 2021 14:26

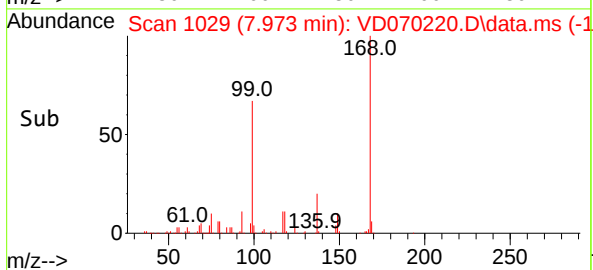
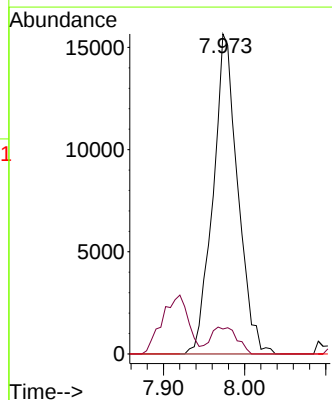
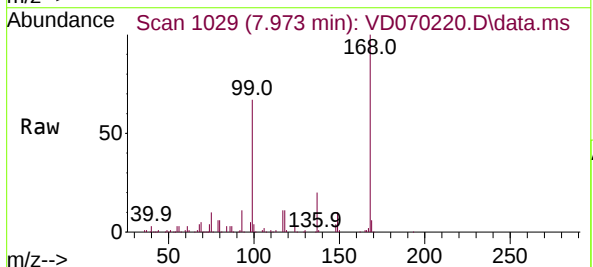
Instrument :
MSVOA_D
ClientSampled :

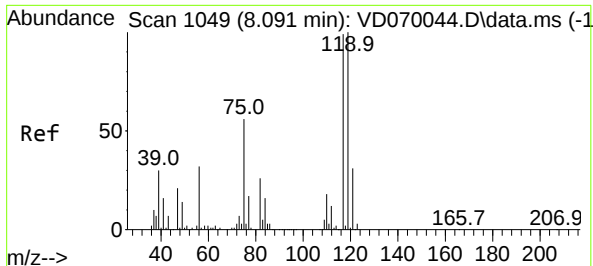
Tgt Ion:113 Resp: 254178
Ion Ratio Lower Upper
113 100
111 104.2 81.8 122.6
192 16.2 13.2 19.8



#36
1,1-Dichloropropene
Concen: 4.405 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070220.D
Acq: 23 Aug 2021 14:26

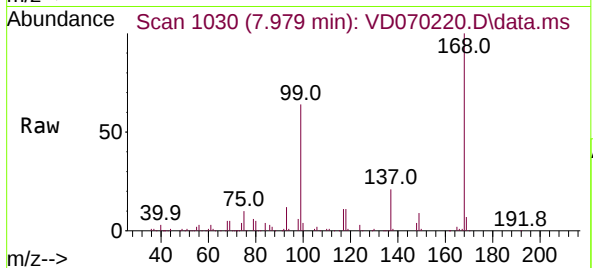
Tgt Ion: 75 Resp: 33162
Ion Ratio Lower Upper
75 100
110 9.1 16.9 50.7#
77 0.0 25.2 37.8#



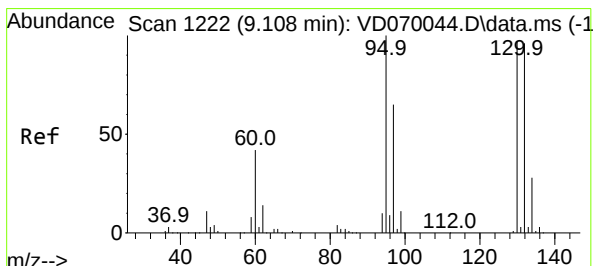
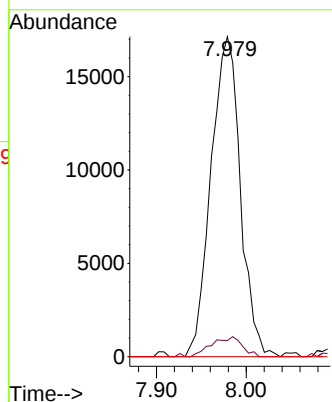
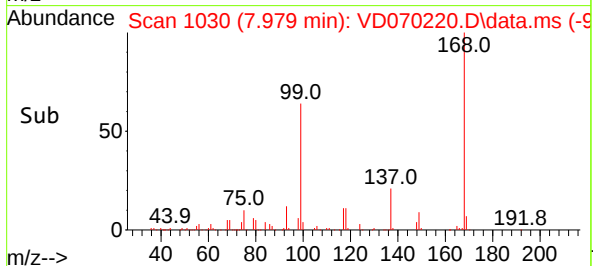


#38
Carbon Tetrachloride
Concen: 5.697 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD070220.D
Acq: 23 Aug 2021 14:26

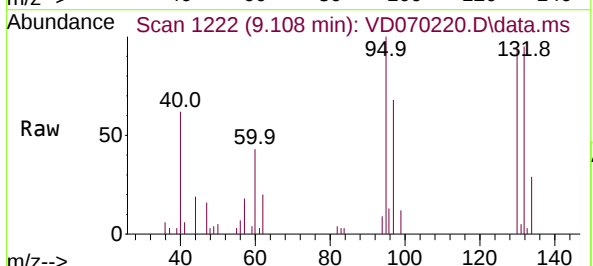
Instrument :
MSVOA_D
ClientSampled :



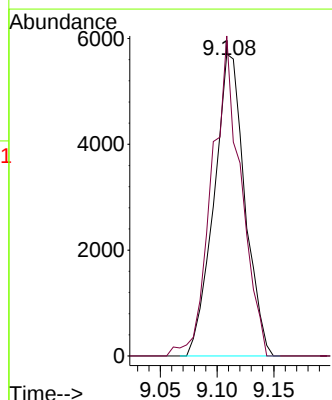
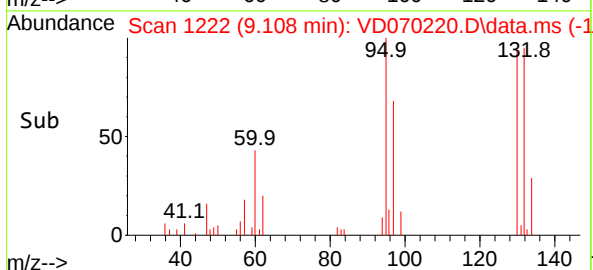
Tgt Ion:117 Resp: 38938
Ion Ratio Lower Upper
117 100
119 5.1 81.0 121.6#
121 0.0 25.0 37.6#

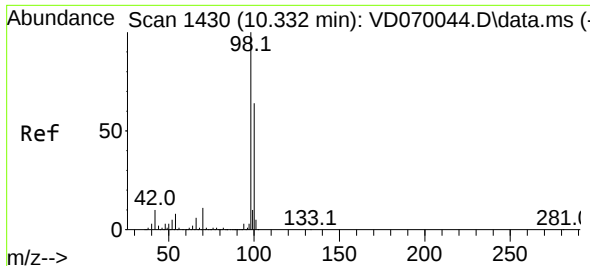


#44
Trichloroethene
Concen: 2.049 ug/l
RT: 9.108 min Scan# 1222
Delta R.T. 0.000 min
Lab File: VD070220.D
Acq: 23 Aug 2021 14:26



Tgt Ion:130 Resp: 10807
Ion Ratio Lower Upper
130 100
95 106.0 0.0 206.4

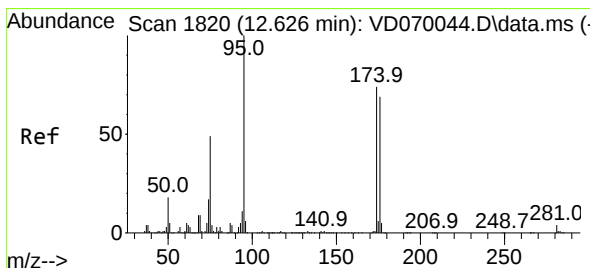
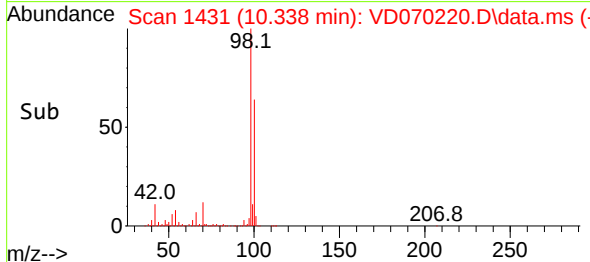
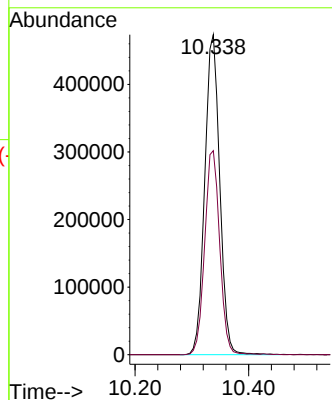
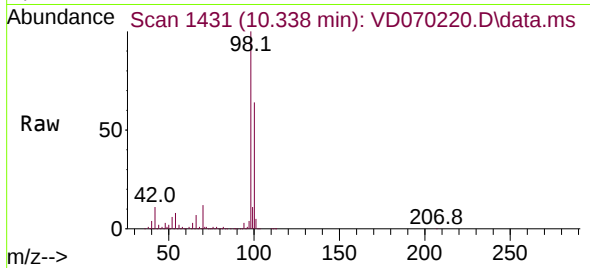




#50
Toluene-d8
Concen: 49.114 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070220.D
Acq: 23 Aug 2021 14:26

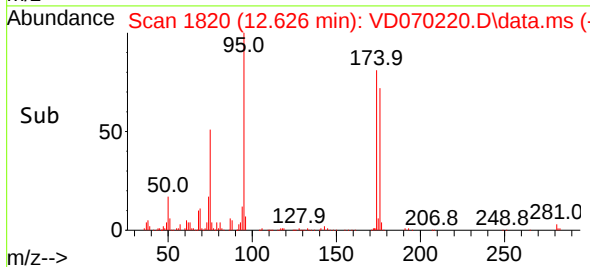
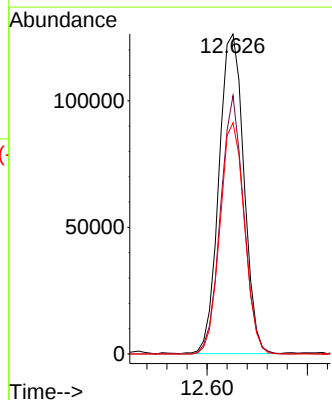
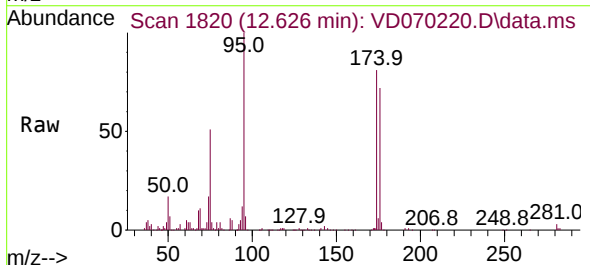
Instrument :
MSVOA_D
ClientSampled :

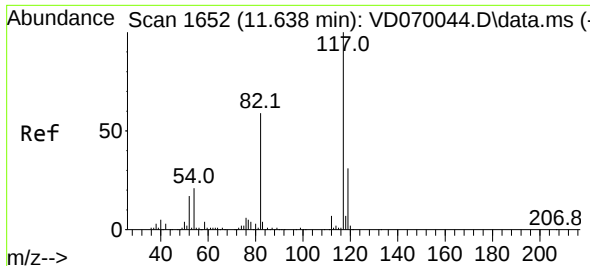
Tgt Ion: 98 Resp: 863647
Ion Ratio Lower Upper
98 100
100 63.8 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 37.572 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070220.D
Acq: 23 Aug 2021 14:26

Tgt Ion: 95 Resp: 217611
Ion Ratio Lower Upper
95 100
174 75.3 0.0 141.6
176 71.1 0.0 138.2

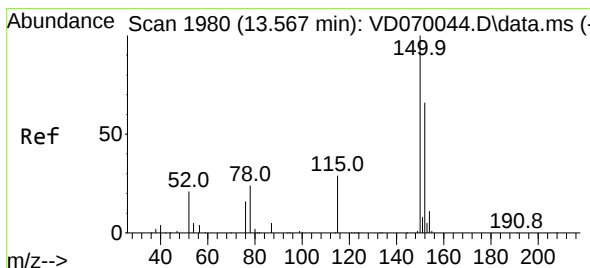
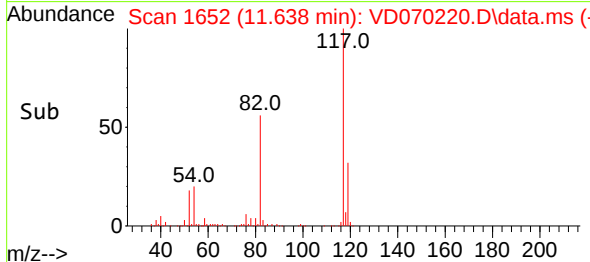
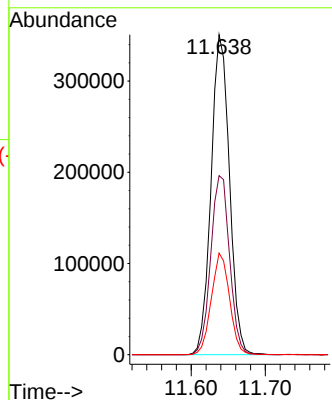
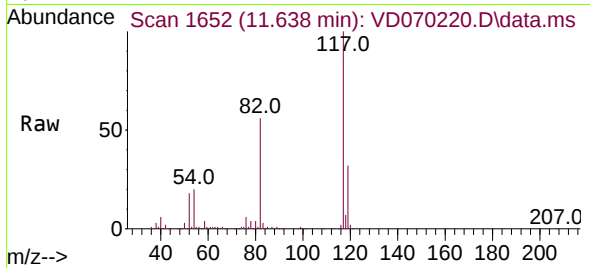




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070220.D
Acq: 23 Aug 2021 14:26

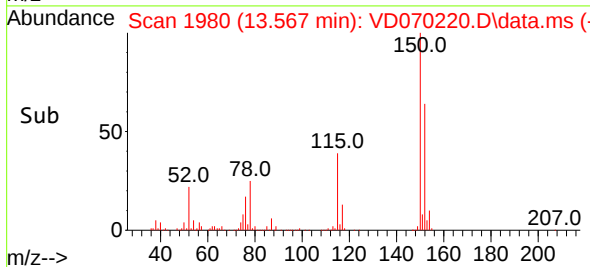
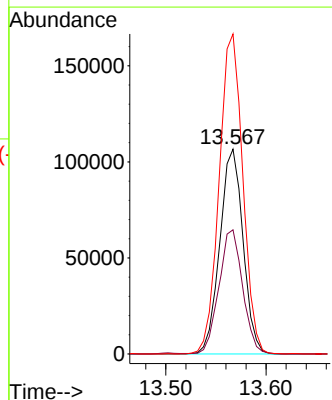
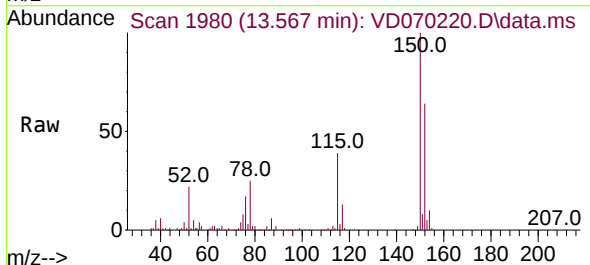
Instrument :
MSVOA_D
ClientSampleId :

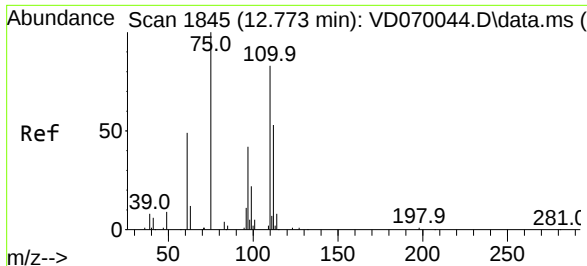
Tgt Ion:117 Resp: 604669
Ion Ratio Lower Upper
117 100
82 56.0 47.5 71.3
119 31.8 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070220.D
Acq: 23 Aug 2021 14:26

Tgt Ion:152 Resp: 171046
Ion Ratio Lower Upper
152 100
115 61.8 31.2 93.6
150 158.8 0.0 352.0

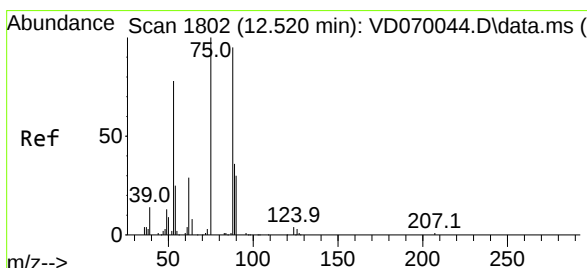
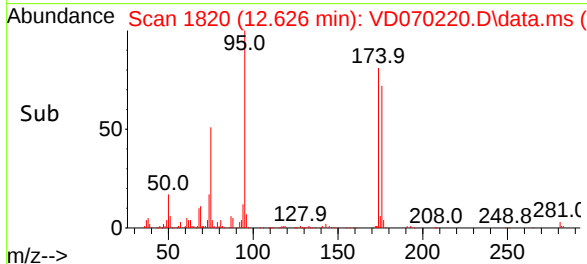
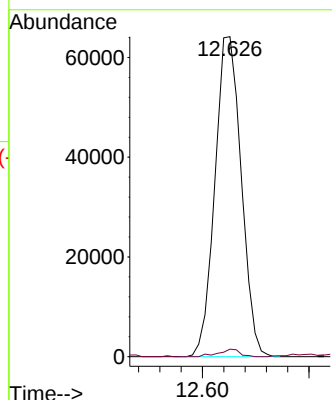
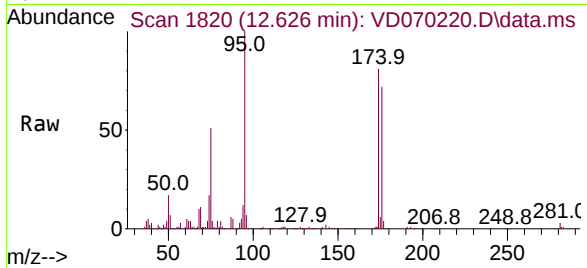




#76
1,2,3-Trichloropropane
Concen: 63.494 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070220.D
Acq: 23 Aug 2021 14:26

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 110140
Ion Ratio Lower Upper
75 100
77 1.9 182.4 547.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 164.808 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070220.D
Acq: 23 Aug 2021 14:26

Tgt Ion: 75 Resp: 110140
Ion Ratio Lower Upper
75 100
53 0.6 64.5 96.7#
89 0.0 33.7 50.5#

