

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD083121\
 Data File : VD070280.D
 Acq On : 31 Aug 2021 15:28
 Operator : VA/SY
 Sample : M3605-04
 Misc : 4.54G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 01 03:58:53 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)

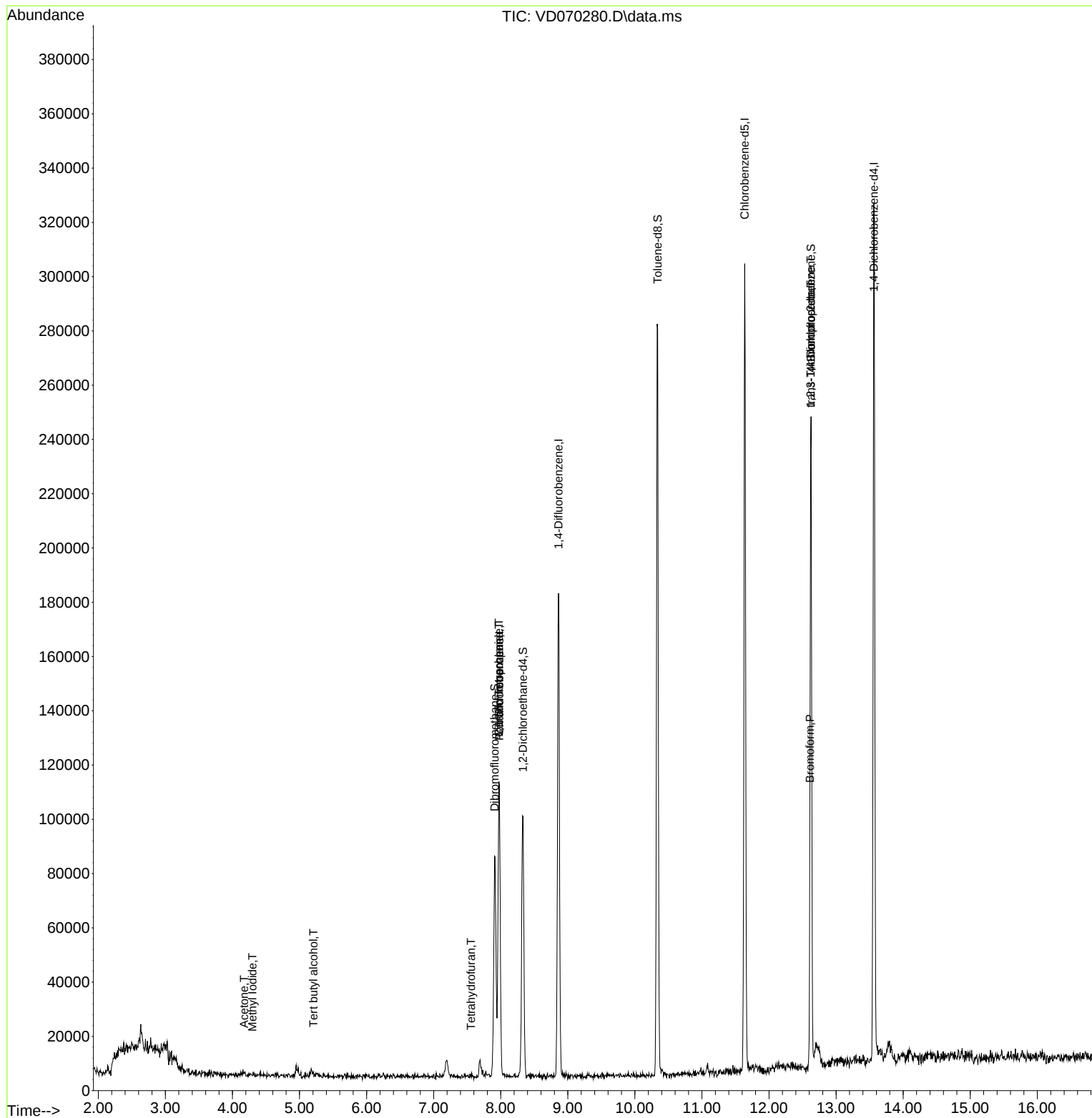
Internal Standards						
1) Pentafluorobenzene	7.979	168	77909	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	150922	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	170884	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	85543	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	77653	84.743	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 169.480%#			
35) Dibromofluoromethane	7.908	113	59255	60.771	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 121.540%			
50) Toluene-d8	10.338	98	197988	52.206	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.420%			
62) 4-Bromofluorobenzene	12.626	95	82521	66.063	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 132.120%			
Target Compounds						Qvalue
3) Chloromethane	2.209	50	940	Below Cal		89
5) Bromomethane	2.779	94	1986	Below Cal		91
10) Methyl Iodide	4.297	142	955	1.037 ug/l #		58
11) Tert butyl alcohol	5.209	59	535	10.563 ug/l #		71
16) Acetone	4.173	43	1990	11.789 ug/l #		41
20) Methylene Chloride	4.950	84	1579	Below Cal #		86
29) Tetrahydrofuran	7.556	42	311	2.059 ug/l #		32
36) 1,1-Dichloropropene	7.973	75	7160	4.410 ug/l #		48
38) Carbon Tetrachloride	7.973	117	8526	5.784 ug/l #		10
71) Bromoform	12.608	173	661	1.070 ug/l #		29
76) 1,2,3-Trichloropropane	12.620	75	40883	47.126 ug/l #		1
81) trans-1,4-Dichloro-2-b...	12.620	75	40883	122.322 ug/l #		18

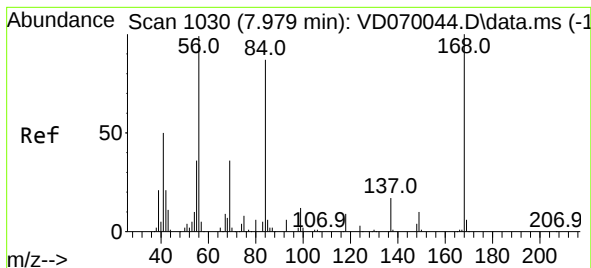
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 01 03:58:53 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD070280.D

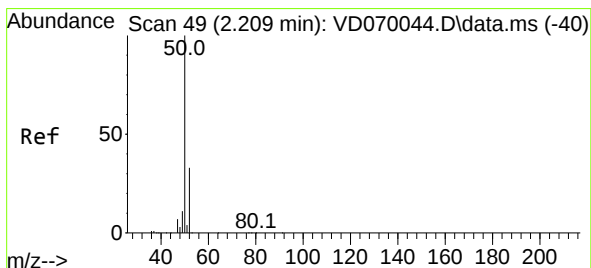
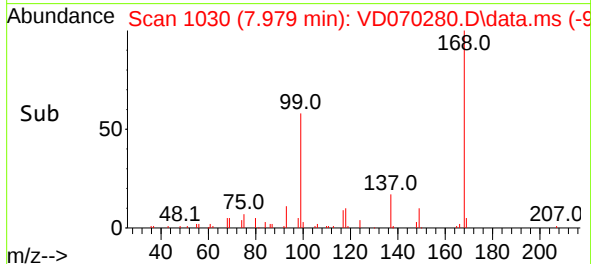
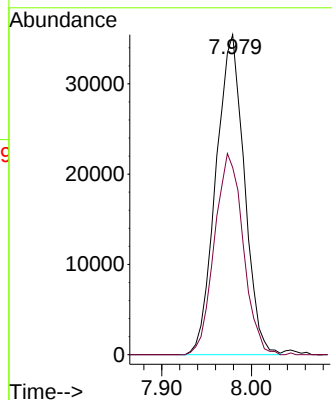
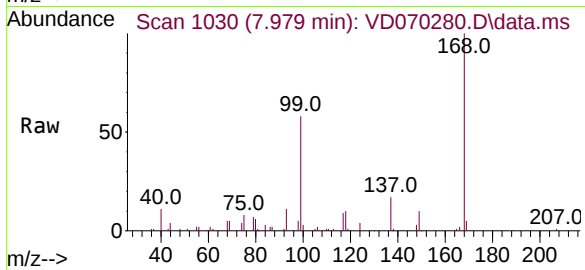
Acq: 31 Aug 2021 15:28

Tgt Ion:168 Resp: 77909

Ion Ratio Lower Upper

168 100

99 58.5 50.3 75.5



#3

Chloromethane

Concen: Below Cal

RT: 2.209 min Scan# 49

Delta R.T. -0.000 min

Lab File: VD070280.D

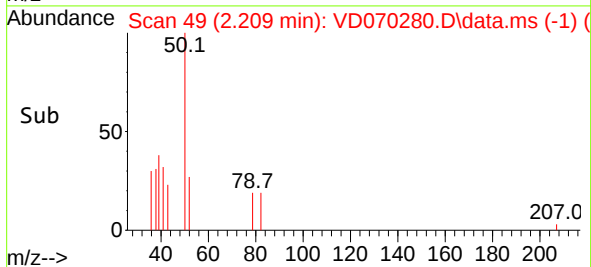
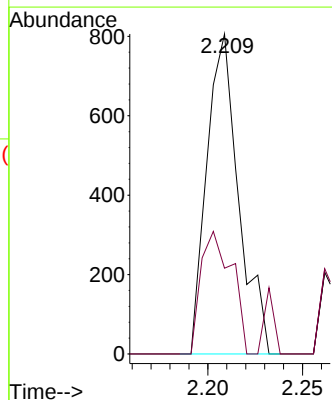
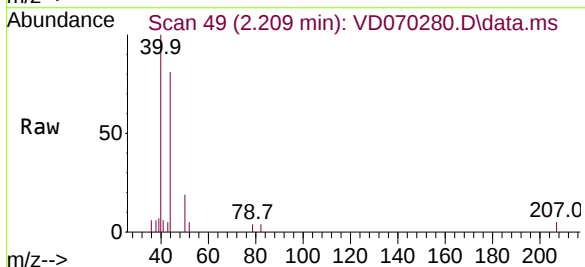
Acq: 31 Aug 2021 15:28

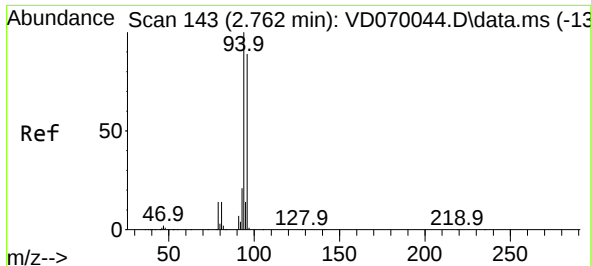
Tgt Ion: 50 Resp: 940

Ion Ratio Lower Upper

50 100

52 26.8 26.3 39.5

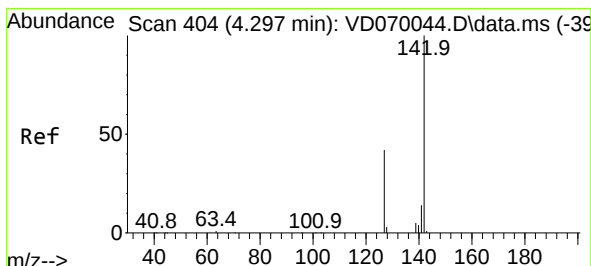
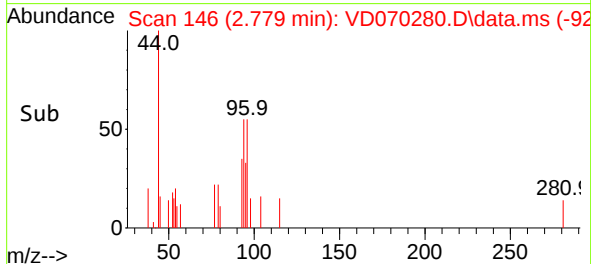
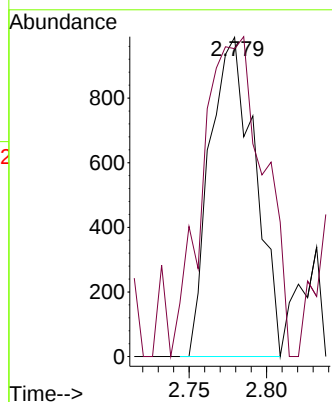
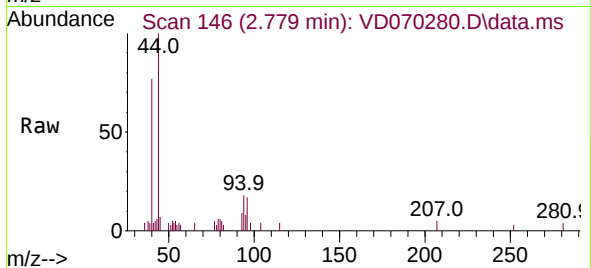




#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD070280.D
Acq: 31 Aug 2021 15:28

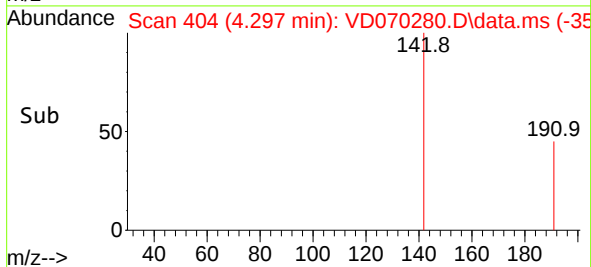
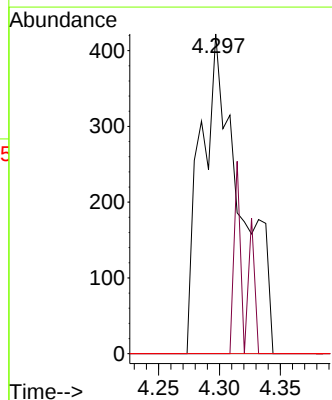
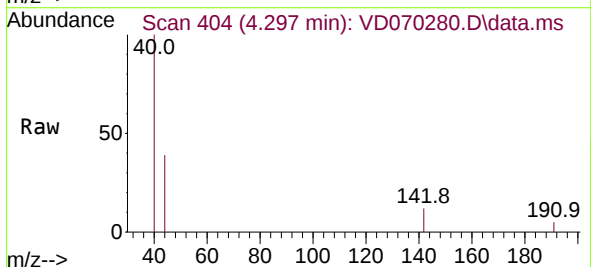
Instrument :
MSVOA_D
ClientSampled :

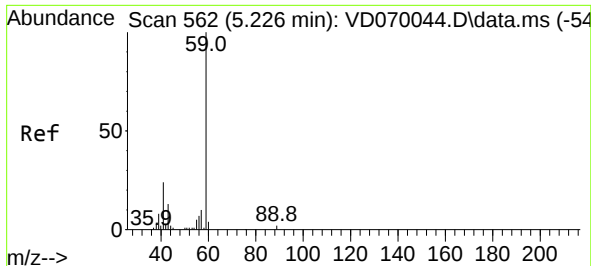
Tgt Ion: 94 Resp: 1986
Ion Ratio Lower Upper
94 100
96 79.8 70.9 106.3



#10
Methyl Iodide
Concen: 1.037 ug/l
RT: 4.297 min Scan# 404
Delta R.T. 0.000 min
Lab File: VD070280.D
Acq: 31 Aug 2021 15:28

Tgt Ion:142 Resp: 955
Ion Ratio Lower Upper
142 100
127 16.0 35.4 53.0#
141 0.0 12.1 18.1#



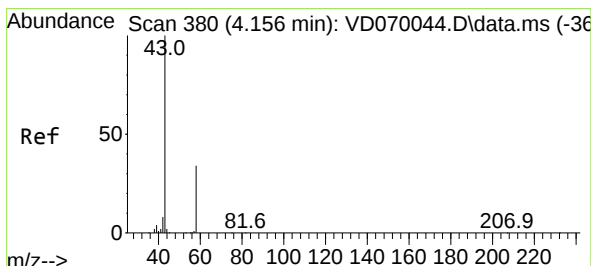
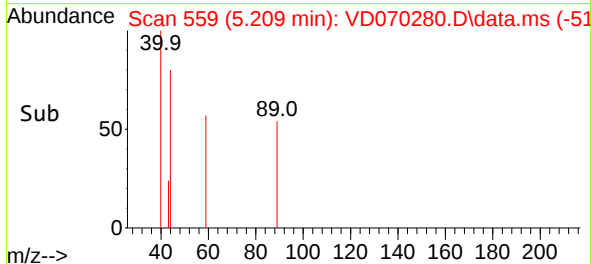
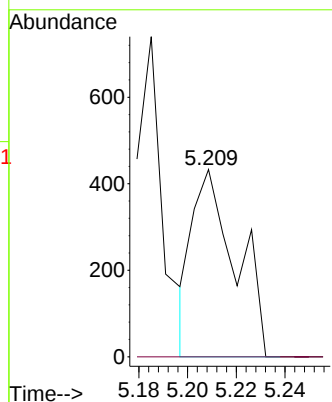
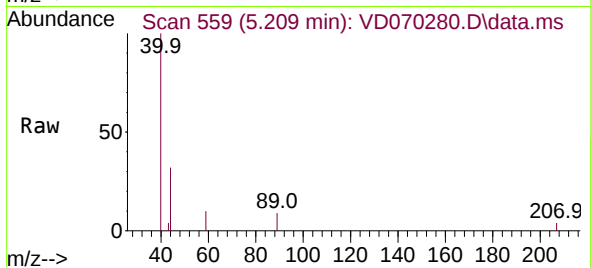


#11

Tert butyl alcohol
Concen: 10.563 ug/l
RT: 5.209 min Scan# 559
Delta R.T. -0.018 min
Lab File: VD070280.D
Acq: 31 Aug 2021 15:28

Instrument :
MSVOA_D
ClientSampleId :

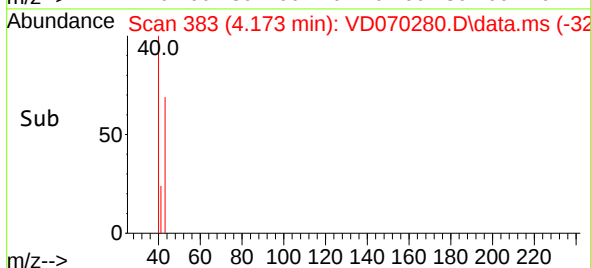
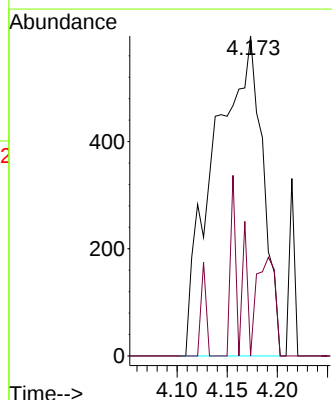
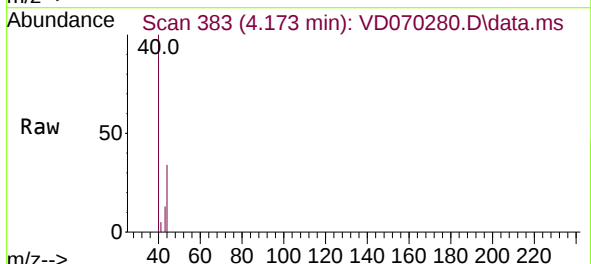
Tgt Ion: 59 Resp: 535
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

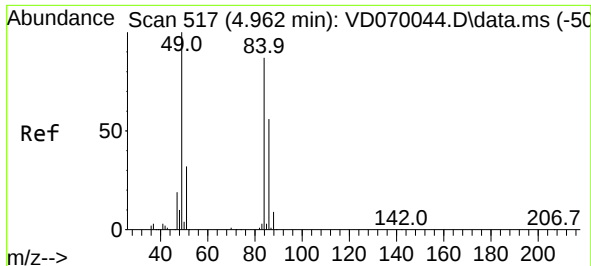


#16

Acetone
Concen: 11.789 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.018 min
Lab File: VD070280.D
Acq: 31 Aug 2021 15:28

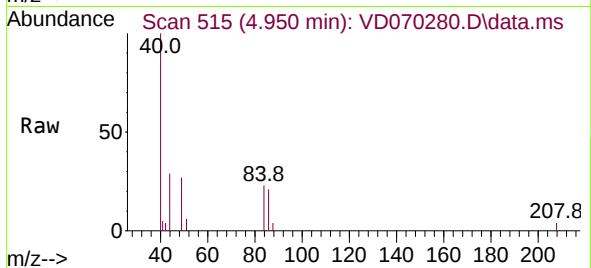
Tgt Ion: 43 Resp: 1990
Ion Ratio Lower Upper
43 100
58 0.0 26.8 40.2#



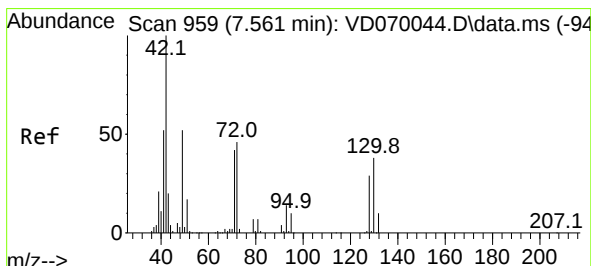
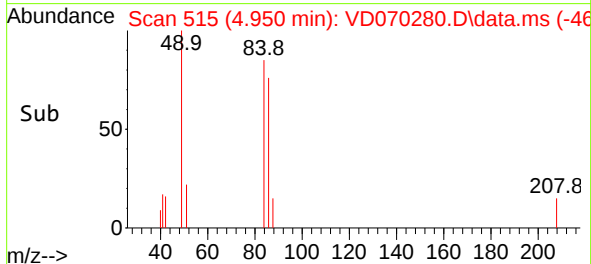
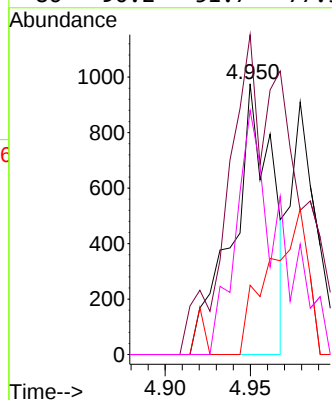


#20
Methylene Chloride
Concen: Below Cal
RT: 4.950 min Scan# 515
Delta R.T. -0.012 min
Lab File: VD070280.D
Acq: 31 Aug 2021 15:28

Instrument :
MSVOA_D
ClientSampled :

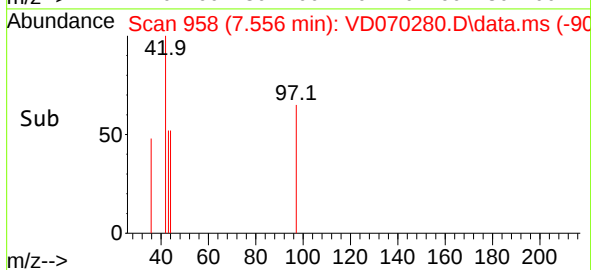
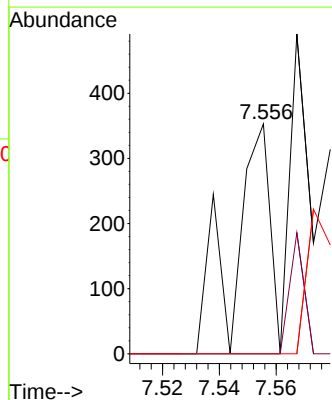
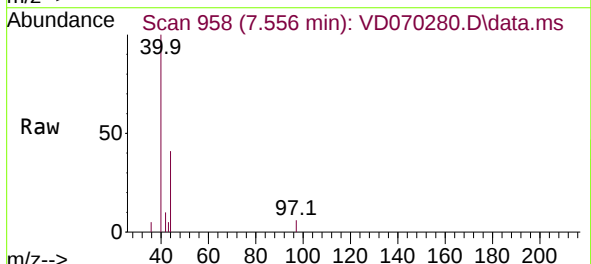


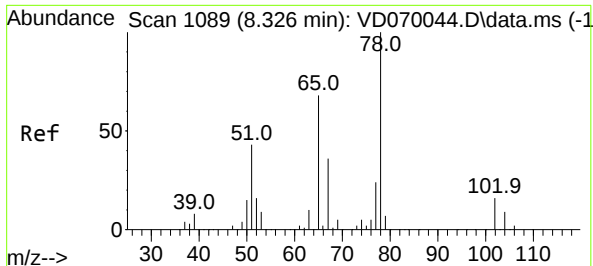
Tgt Ion:	84	Resp:	1579
Ion	Ratio	Lower	Upper
84	100		
49	118.1	92.5	138.7
51	25.6	29.7	44.5#
86	90.2	51.7	77.5#



#29
Tetrahydrofuran
Concen: 2.059 ug/l
RT: 7.556 min Scan# 958
Delta R.T. -0.006 min
Lab File: VD070280.D
Acq: 31 Aug 2021 15:28

Tgt Ion:	42	Resp:	311
Ion	Ratio	Lower	Upper
42	100		
72	0.0	37.5	56.3#
71	0.0	33.6	50.4#



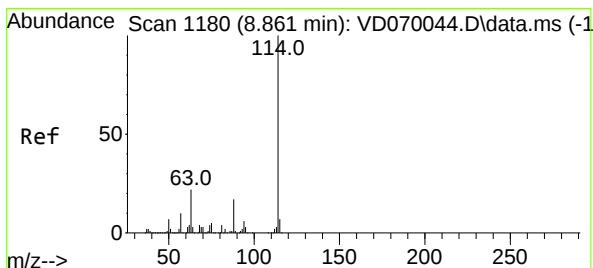
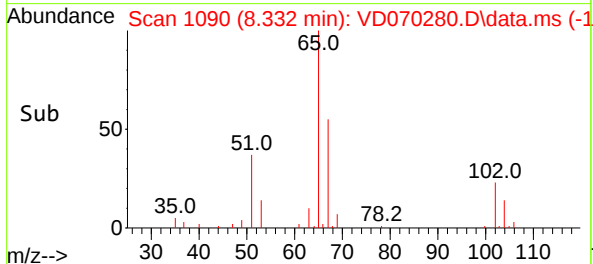
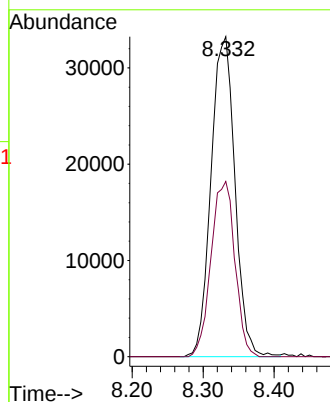
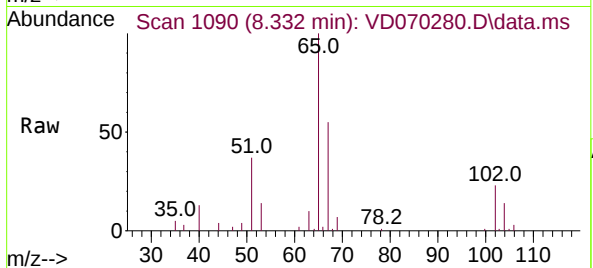


#33

1,2-Dichloroethane-d4
Concen: 84.743 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD070280.D
Acq: 31 Aug 2021 15:28

Instrument :
MSVOA_D
ClientSampleId :

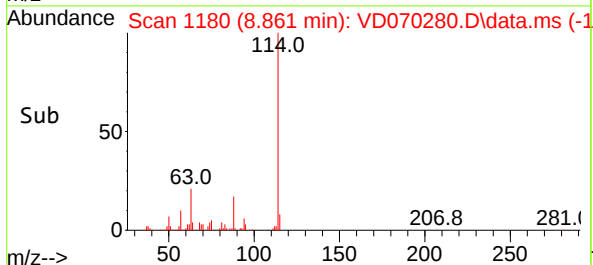
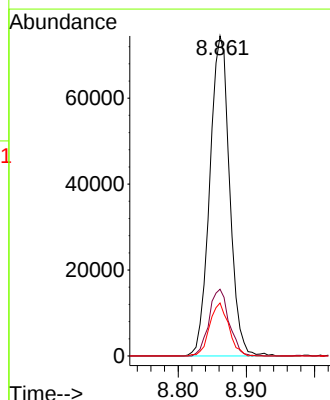
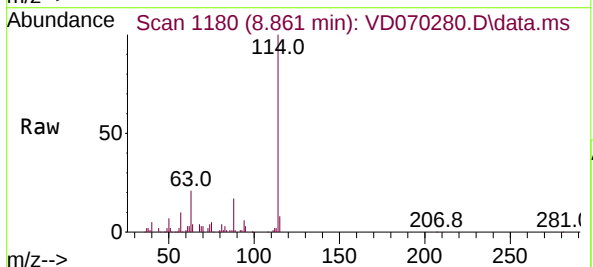
Tgt Ion: 65 Resp: 77653
Ion Ratio Lower Upper
65 100
67 54.6 0.0 107.8

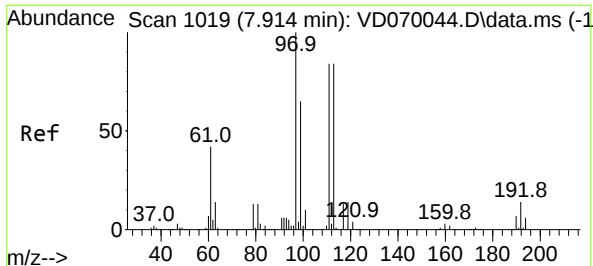


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070280.D
Acq: 31 Aug 2021 15:28

Tgt Ion:114 Resp: 150922
Ion Ratio Lower Upper
114 100
63 20.9 0.0 43.6
88 16.5 0.0 33.4

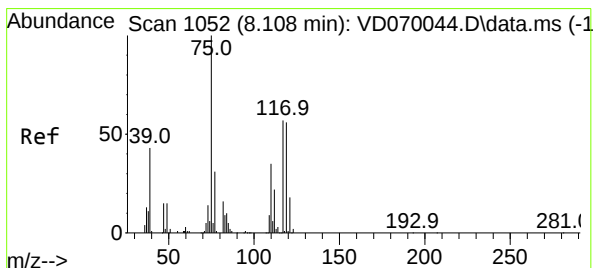
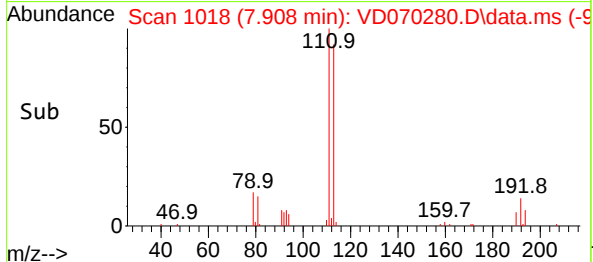
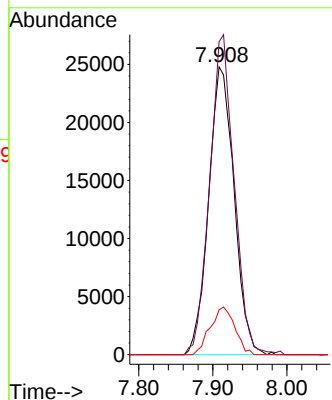
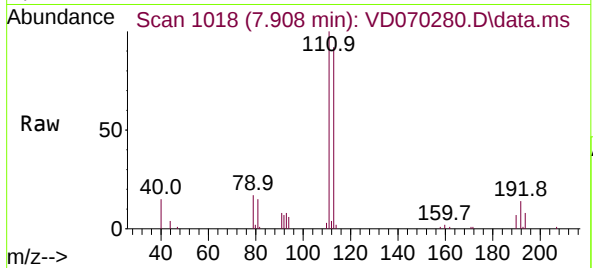




#35
Dibromofluoromethane
Concen: 60.771 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD070280.D
Acq: 31 Aug 2021 15:28

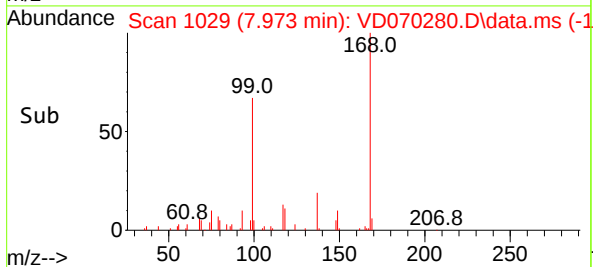
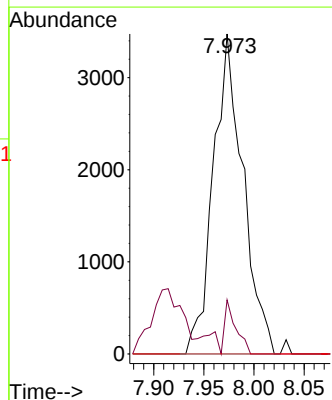
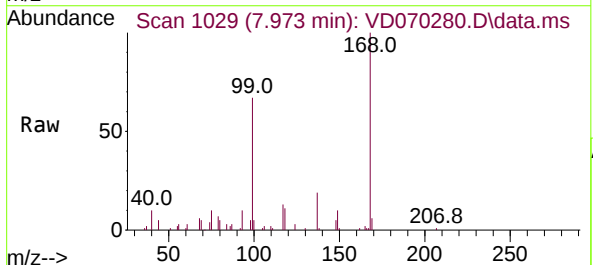
Instrument :
MSVOA_D
ClientSampleId :

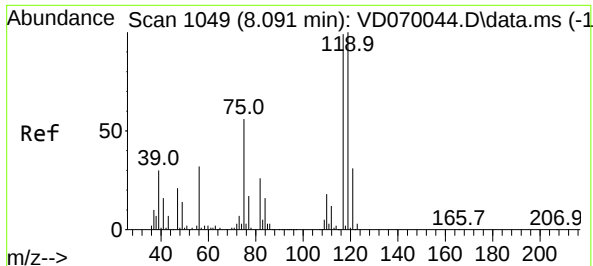
Tgt Ion:	113	Resp:	59255
Ion Ratio	Lower	Upper	
113	100		
111	106.7	81.8	122.6
192	16.0	13.2	19.8



#36
1,1-Dichloropropene
Concen: 4.410 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.135 min
Lab File: VD070280.D
Acq: 31 Aug 2021 15:28

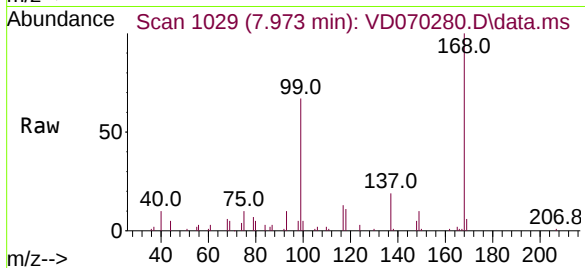
Tgt Ion:	75	Resp:	7160
Ion Ratio	Lower	Upper	
75	100		
110	6.4	16.9	50.7#
77	0.0	25.2	37.8#



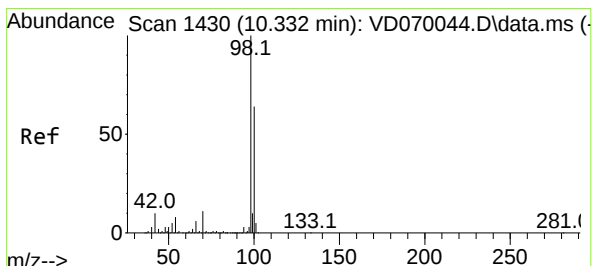
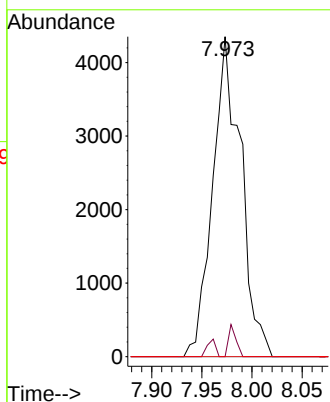
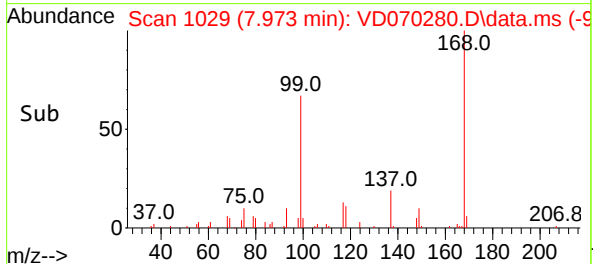


#38
Carbon Tetrachloride
Concen: 5.784 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.118 min
Lab File: VD070280.D
Acq: 31 Aug 2021 15:28

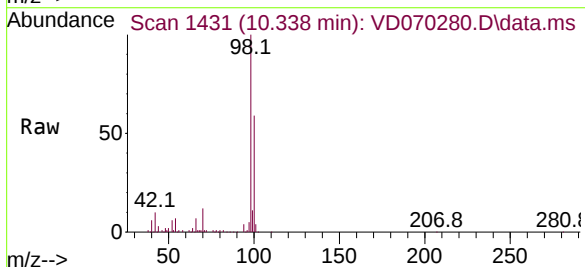
Instrument :
MSVOA_D
ClientSampleId :



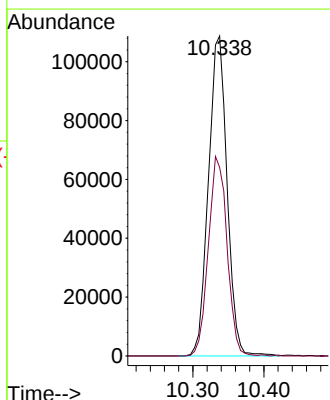
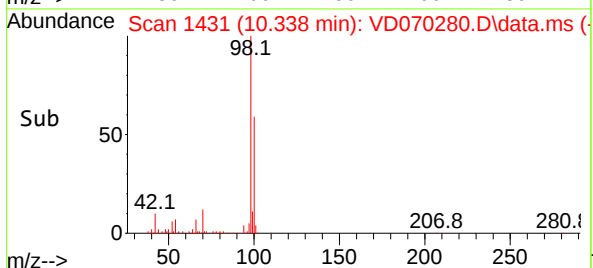
Tgt Ion:117 Resp: 8526
Ion Ratio Lower Upper
117 100
119 0.0 81.0 121.6#
121 0.0 25.0 37.6#

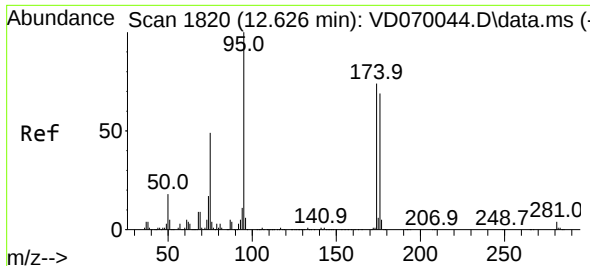


#50
Toluene-d8
Concen: 52.206 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070280.D
Acq: 31 Aug 2021 15:28



Tgt Ion: 98 Resp: 197988
Ion Ratio Lower Upper
98 100
100 62.5 52.6 78.8

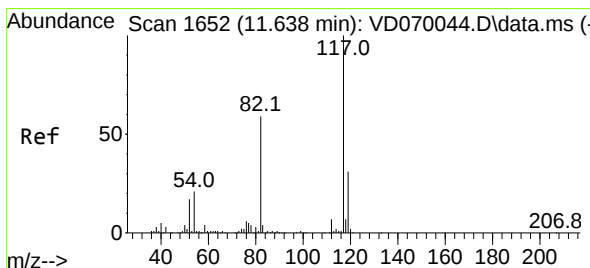
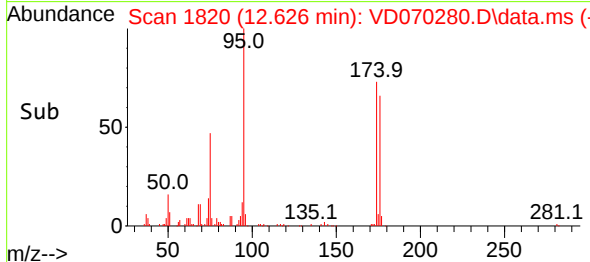
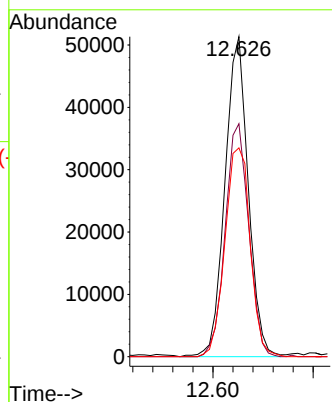
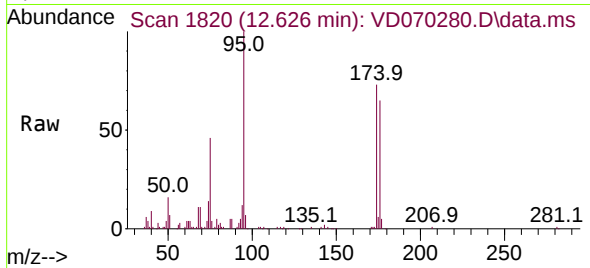




#62
4-Bromofluorobenzene
Concen: 66.063 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070280.D
Acq: 31 Aug 2021 15:28

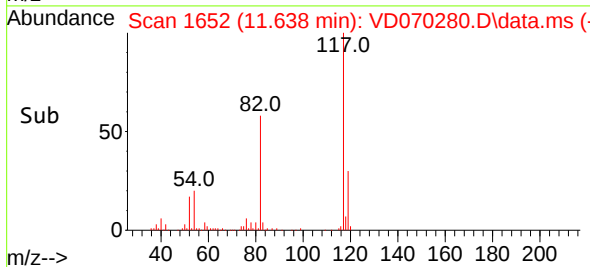
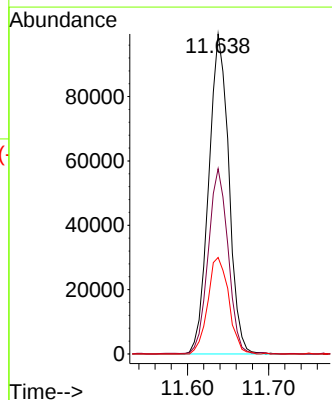
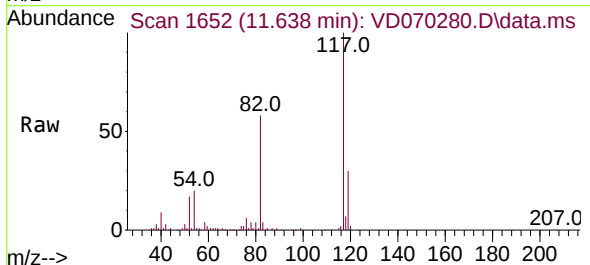
Instrument :
MSVOA_D
ClientSampled :

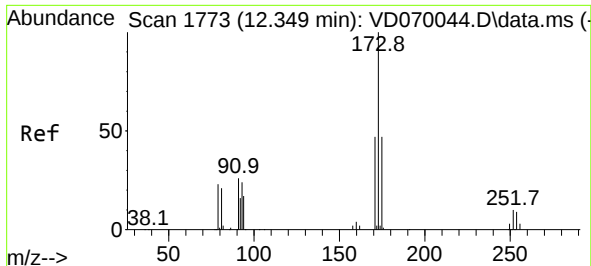
Tgt Ion: 95 Resp: 82521
Ion Ratio Lower Upper
95 100
174 73.8 0.0 141.6
176 70.9 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070280.D
Acq: 31 Aug 2021 15:28

Tgt Ion: 117 Resp: 170884
Ion Ratio Lower Upper
117 100
82 57.9 47.5 71.3
119 30.2 25.1 37.7

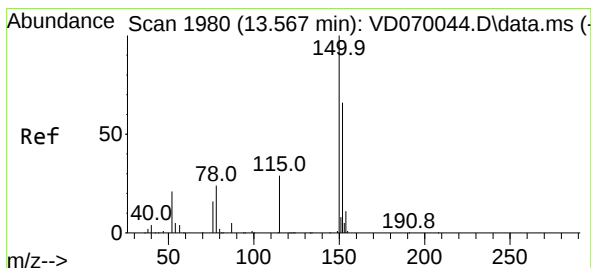
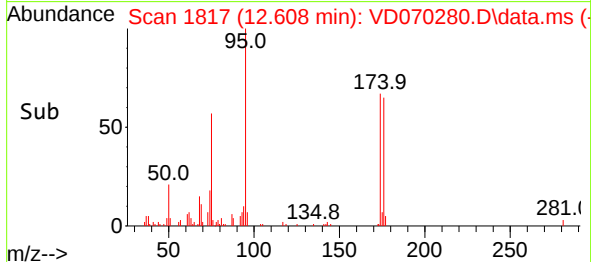
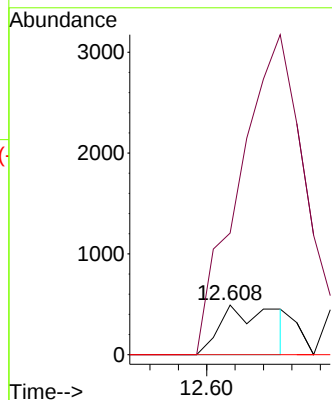
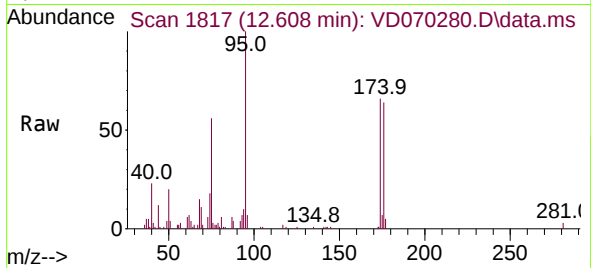




#71
Bromoform
Concen: 1.070 ug/l
RT: 12.608 min Scan# 1817
Delta R.T. 0.259 min
Lab File: VD070280.D
Acq: 31 Aug 2021 15:28

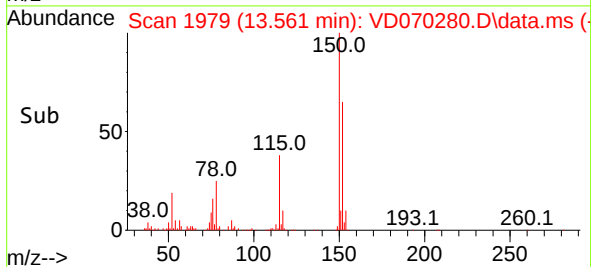
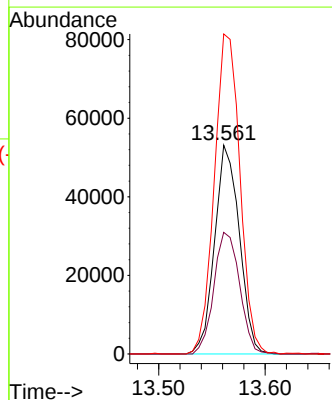
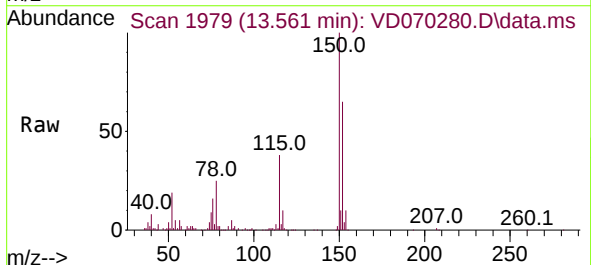
Instrument :
MSVOA_D
ClientSampled :

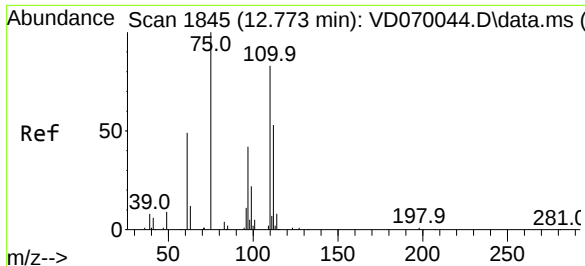
Tgt Ion:173 Resp: 661
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD070280.D
Acq: 31 Aug 2021 15:28

Tgt Ion:152 Resp: 85543
Ion Ratio Lower Upper
152 100
115 60.7 31.2 93.6
150 159.0 0.0 352.0

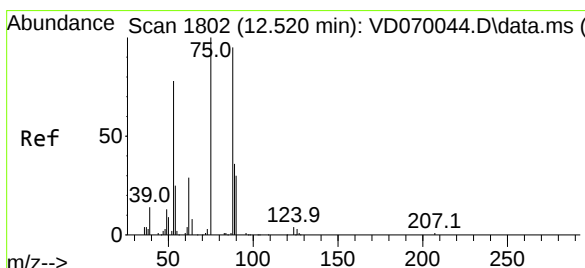
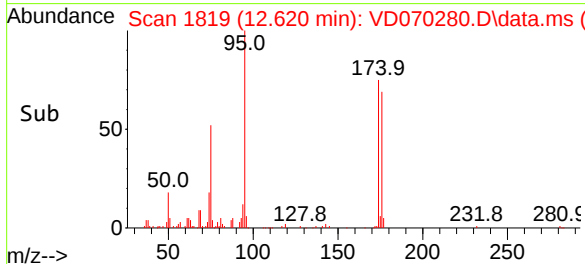
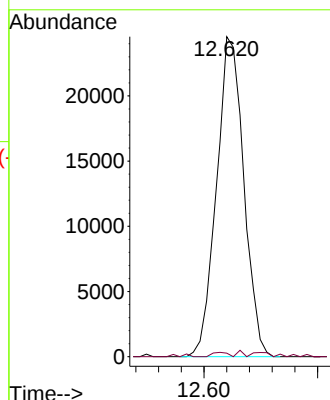
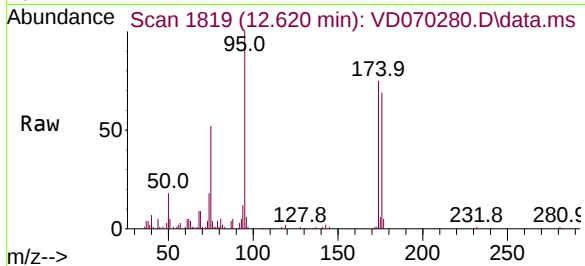




#76
1,2,3-Trichloropropane
Concen: 47.126 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070280.D
Acq: 31 Aug 2021 15:28

Instrument :
MSVOA_D
ClientSampled :

Tgt Ion: 75 Resp: 40883
Ion Ratio Lower Upper
75 100
77 0.8 182.4 547.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 122.322 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070280.D
Acq: 31 Aug 2021 15:28

Tgt Ion: 75 Resp: 40883
Ion Ratio Lower Upper
75 100
53 0.6 64.5 96.7#
89 0.0 33.7 50.5#

