

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD081921\
 Data File : VD070188.D
 Acq On : 20 Aug 2021 02:47
 Operator : VA/SY
 Sample : M3449-04
 Misc : 5.33G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP2

Quant Time: Aug 20 05:50:41 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)

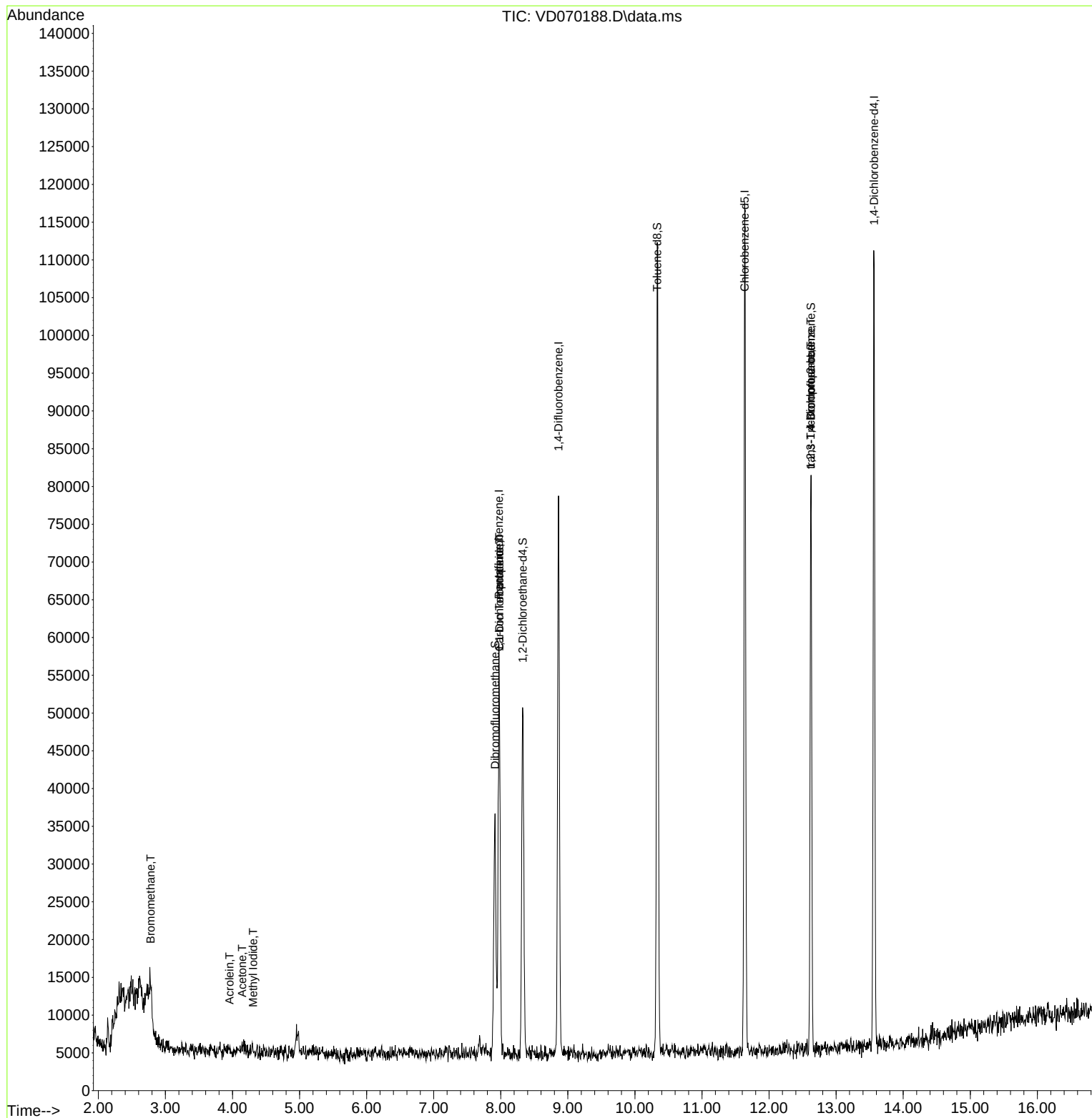
Internal Standards						
1) Pentafluorobenzene	7.973	168	32297	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	58449	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	64707	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	28455	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	36794	96.861	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 193.720%#	
35) Dibromofluoromethane	7.914	113	23116	61.215	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 122.440%	
50) Toluene-d8	10.331	98	76598	52.153	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.300%	
62) 4-Bromofluorobenzene	12.625	95	27221	56.270	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 112.540%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.226	85	70	Below Cal	#	42
3) Chloromethane	2.208	50	711	Below Cal	#	74
5) Bromomethane	2.779	94	2513	4.485	ug/l #	75
10) Methyl Iodide	4.308	142	845	2.213	ug/l #	52
13) Acrolein	3.955	56	55	2.274	ug/l #	14
16) Acetone	4.144	43	945	13.504	ug/l #	41
20) Methylene Chloride	4.961	84	2411	Below Cal	#	60
36) 1,1-Dichloropropene	7.979	75	3187	5.068	ug/l #	46
38) Carbon Tetrachloride	7.979	117	3659	6.410	ug/l #	10
76) 1,2,3-Trichloropropane	12.620	75	12761	44.221	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	12761	114.782	ug/l #	17

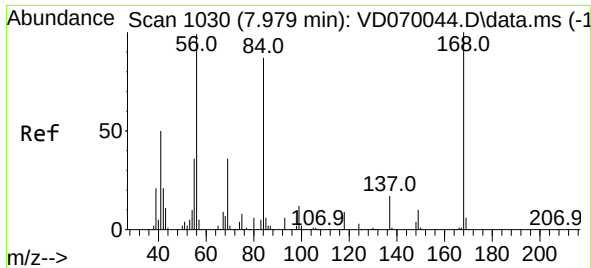
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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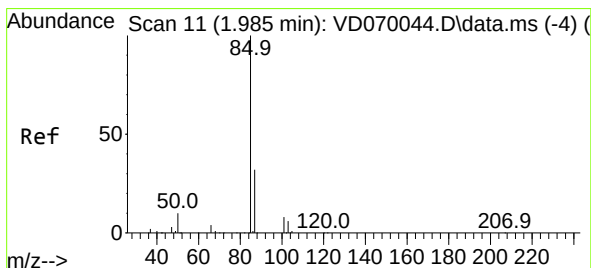
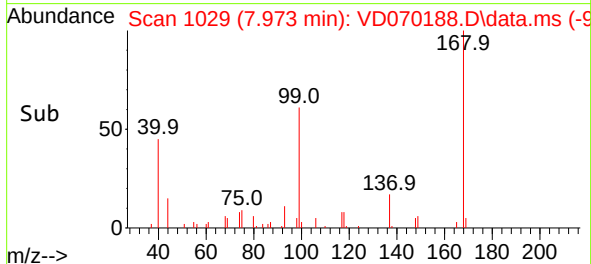
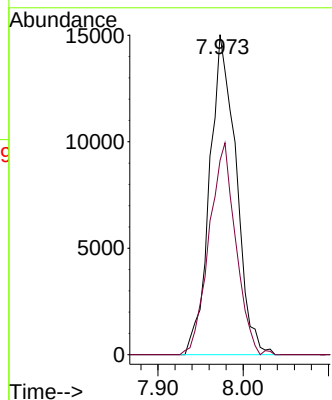
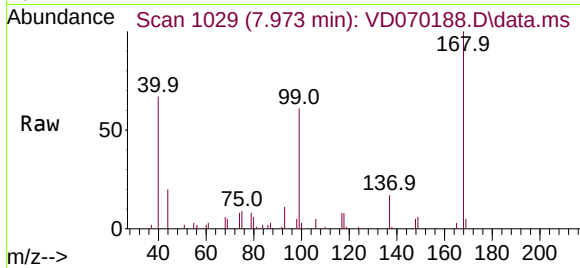




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD070188.D
Acq: 20 Aug 2021 02:47

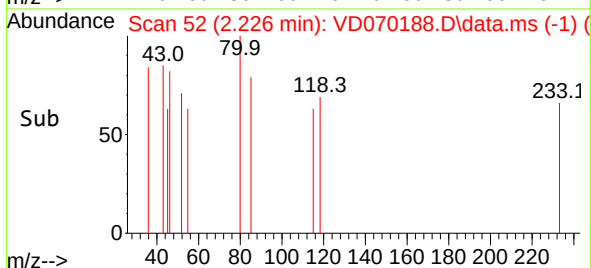
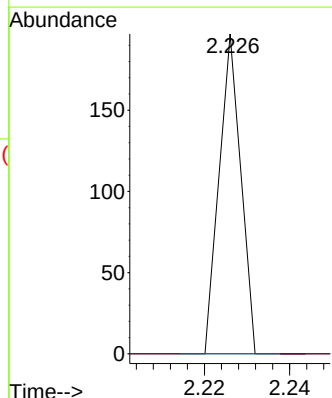
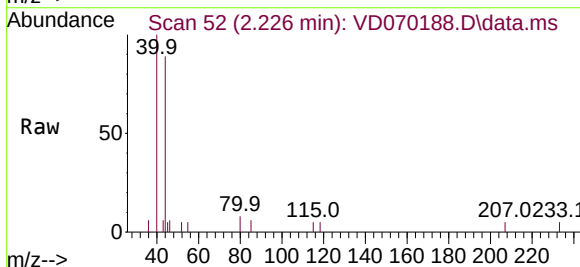
Instrument :
MSVOA_D
ClientSampleId :
TP2

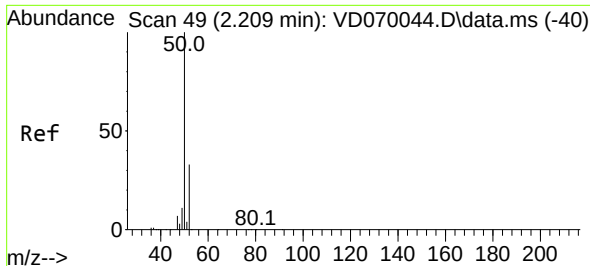
Tgt Ion:168 Resp: 32297
Ion Ratio Lower Upper
168 100
99 60.7 50.3 75.5



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 2.226 min Scan# 52
Delta R.T. 0.241 min
Lab File: VD070188.D
Acq: 20 Aug 2021 02:47

Tgt Ion: 85 Resp: 70
Ion Ratio Lower Upper
85 100
87 0.0 16.2 48.6#

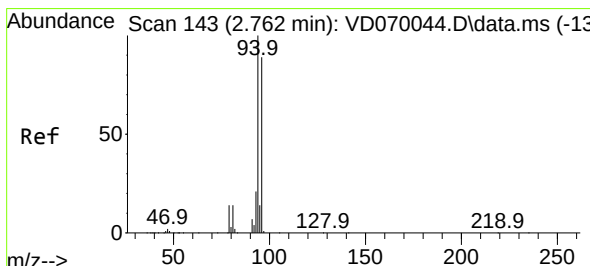
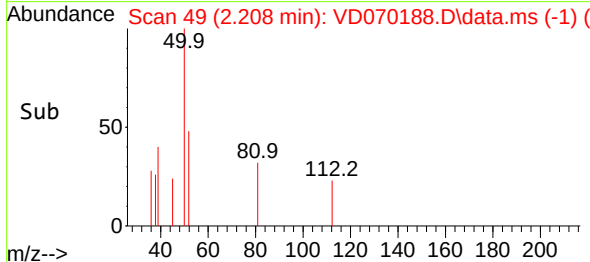
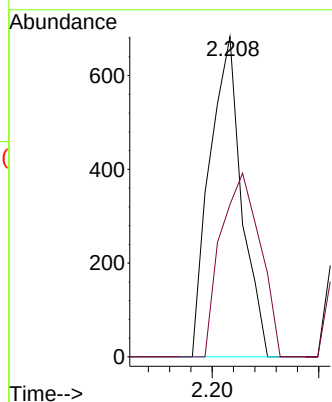
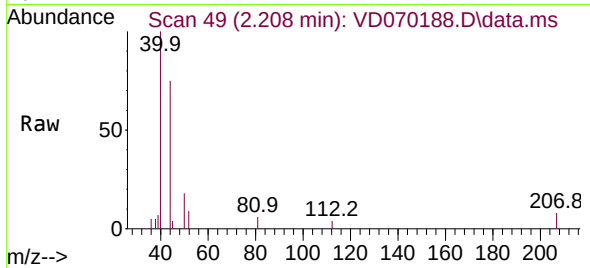




#3
Chloromethane
Concen: Below Cal
RT: 2.208 min Scan# 49
Delta R.T. -0.001 min
Lab File: VD070188.D
Acq: 20 Aug 2021 02:47

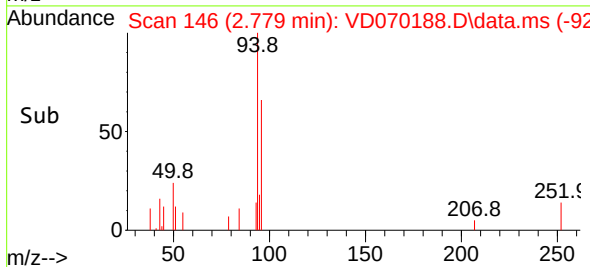
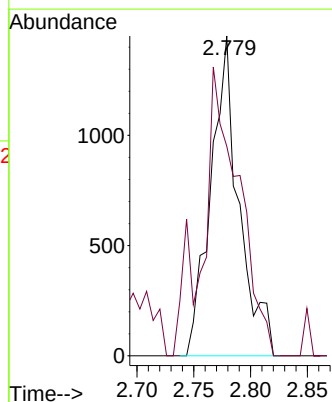
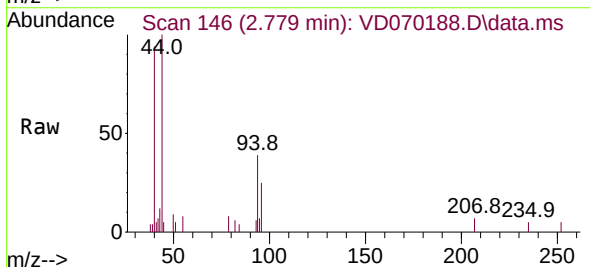
Instrument :
MSVOA_D
ClientSampled :
TP2

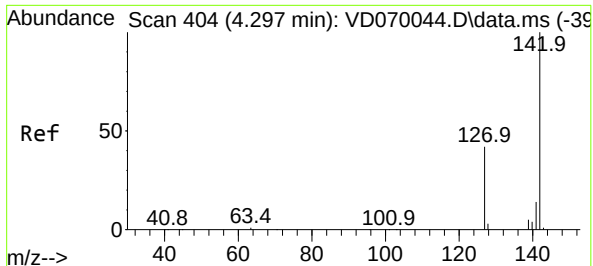
Tgt Ion: 50 Resp: 711
Ion Ratio Lower Upper
50 100
52 47.6 26.3 39.5#



#5
Bromomethane
Concen: 4.485 ug/l
RT: 2.779 min Scan# 146
Delta R.T. 0.017 min
Lab File: VD070188.D
Acq: 20 Aug 2021 02:47

Tgt Ion: 94 Resp: 2513
Ion Ratio Lower Upper
94 100
96 65.5 70.9 106.3#

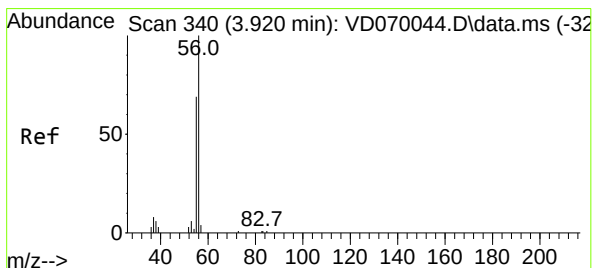
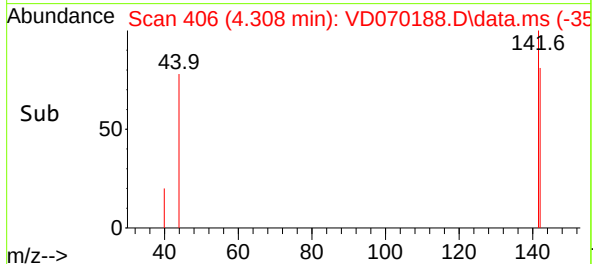
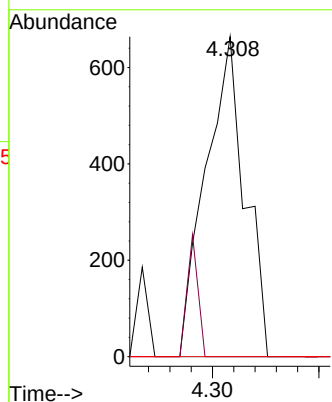
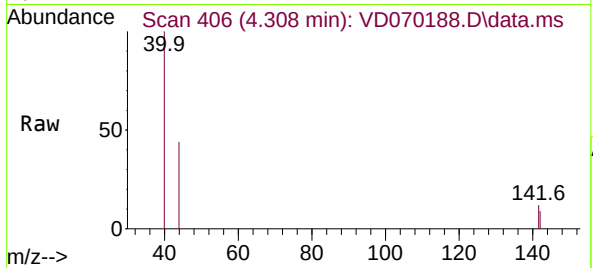




#10
Methyl Iodide
Concen: 2.213 ug/l
RT: 4.308 min Scan# 406
Delta R.T. 0.011 min
Lab File: VD070188.D
Acq: 20 Aug 2021 02:47

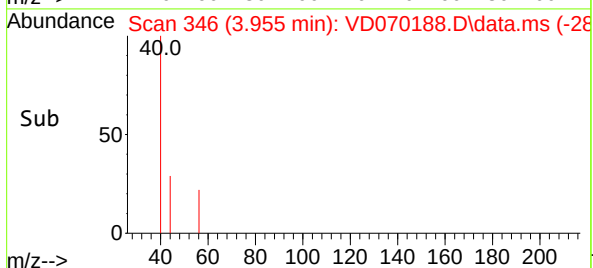
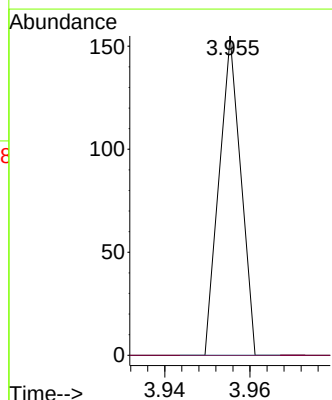
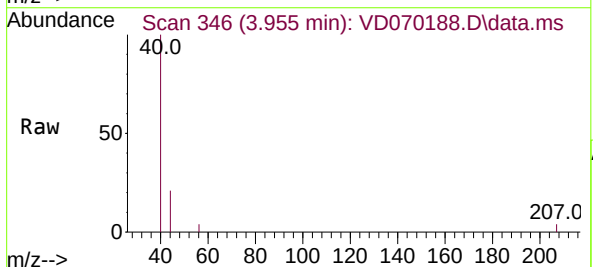
Instrument :
MSVOA_D
ClientSampleId :
TP2

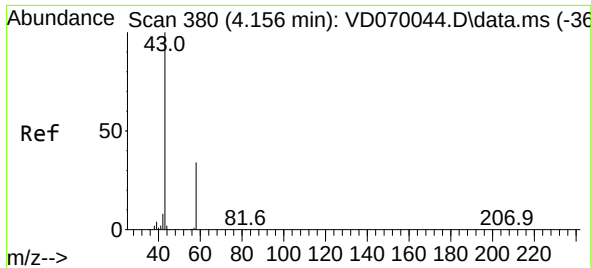
Tgt Ion:142 Resp: 845
Ion Ratio Lower Upper
142 100
127 10.5 35.4 53.0#
141 0.0 12.1 18.1#



#13
Acrolein
Concen: 2.274 ug/l
RT: 3.955 min Scan# 346
Delta R.T. 0.035 min
Lab File: VD070188.D
Acq: 20 Aug 2021 02:47

Tgt Ion: 56 Resp: 55
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#

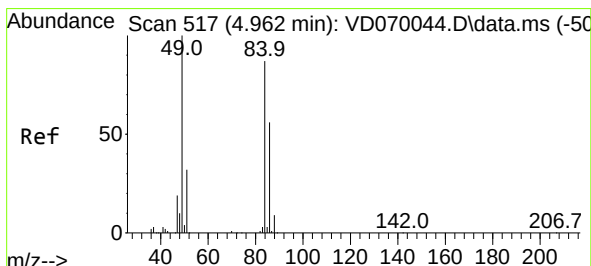
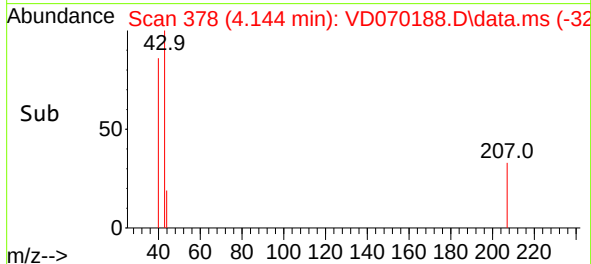
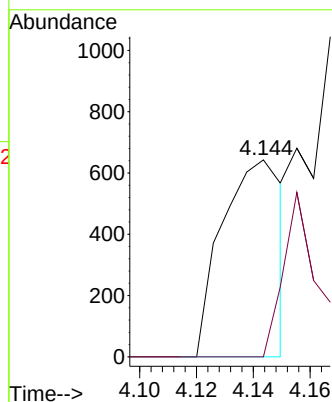
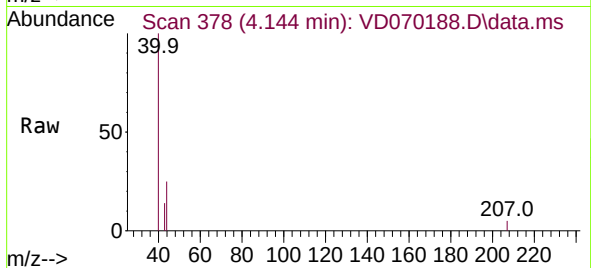




#16
Acetone
Concen: 13.504 ug/l
RT: 4.144 min Scan# 378
Delta R.T. -0.012 min
Lab File: VD070188.D
Acq: 20 Aug 2021 02:47

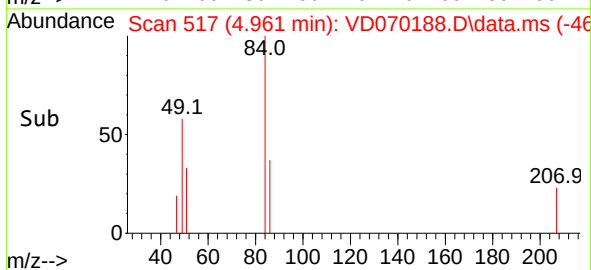
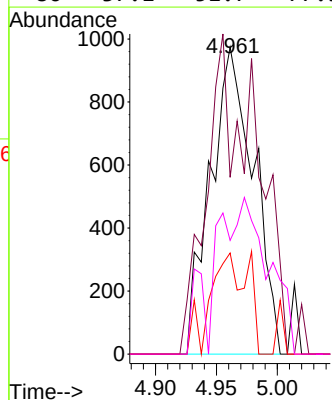
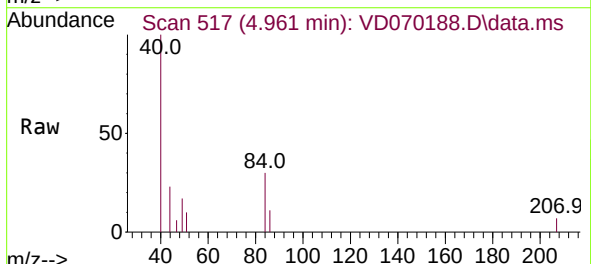
Instrument :
MSVOA_D
ClientSampled :
TP2

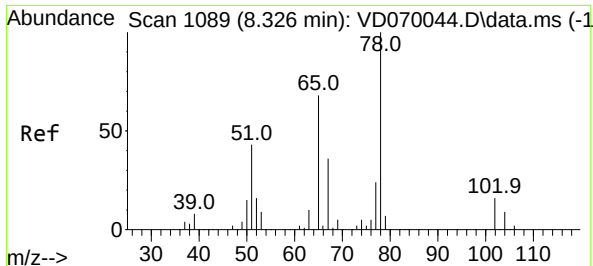
Tgt Ion: 43 Resp: 945
Ion Ratio Lower Upper
43 100
58 0.0 26.8 40.2#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD070188.D
Acq: 20 Aug 2021 02:47

Tgt Ion: 84 Resp: 2411
Ion Ratio Lower Upper
84 100
49 57.6 92.5 138.7#
51 33.0 29.7 44.5
86 37.1 51.7 77.5#

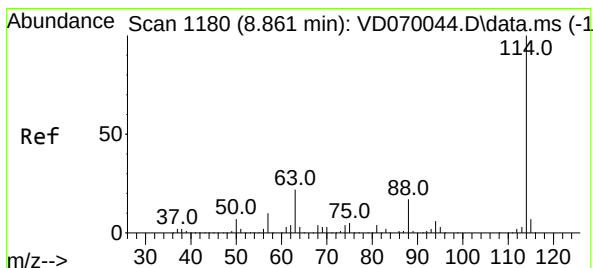
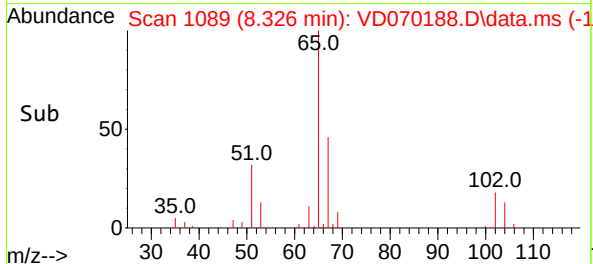
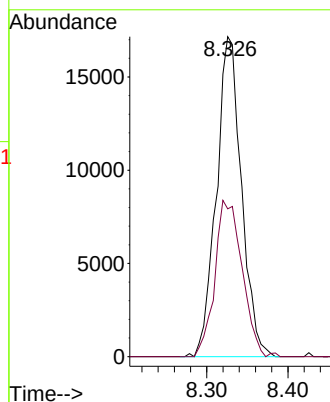
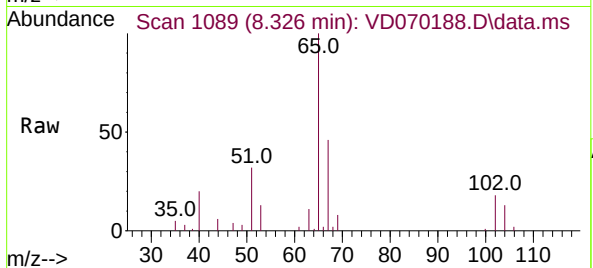




#33
1,2-Dichloroethane-d4
Concen: 96.861 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD070188.D
Acq: 20 Aug 2021 02:47

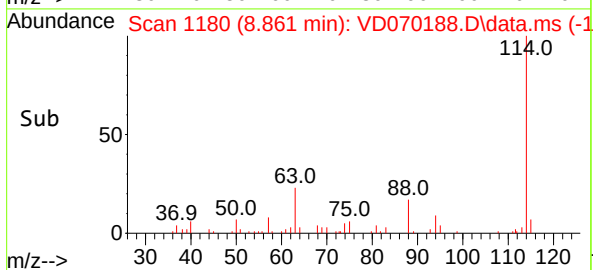
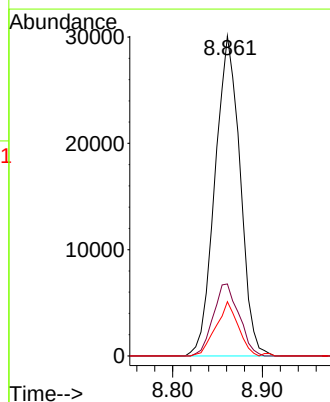
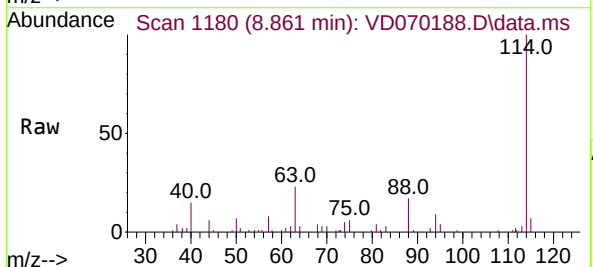
Instrument :
MSVOA_D
ClientSampled :
TP2

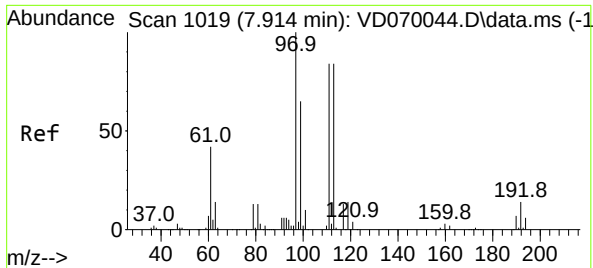
Tgt Ion: 65 Resp: 36794
Ion Ratio Lower Upper
65 100
67 53.1 0.0 107.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070188.D
Acq: 20 Aug 2021 02:47

Tgt Ion: 114 Resp: 58449
Ion Ratio Lower Upper
114 100
63 22.5 0.0 43.6
88 16.9 0.0 33.4

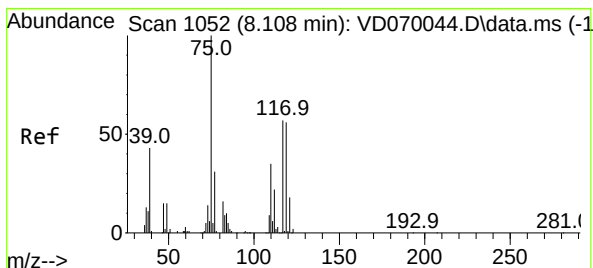
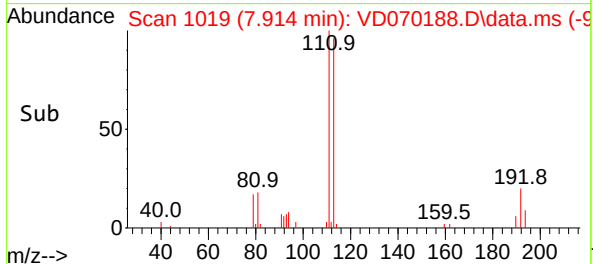
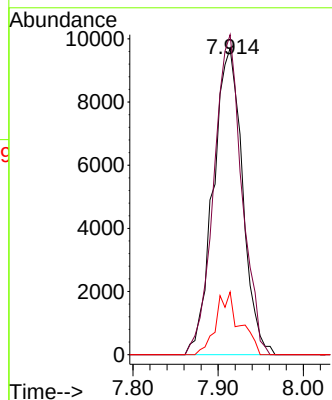
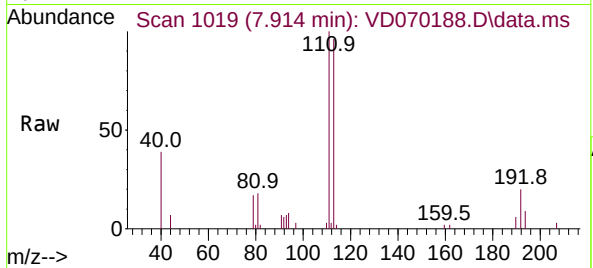




#35
Dibromofluoromethane
Concen: 61.215 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD070188.D
Acq: 20 Aug 2021 02:47

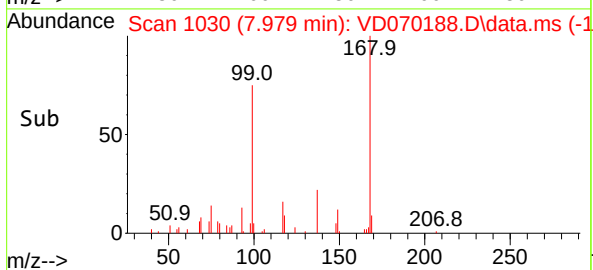
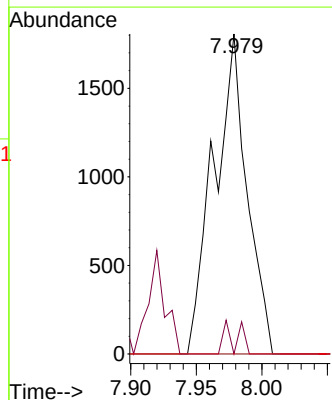
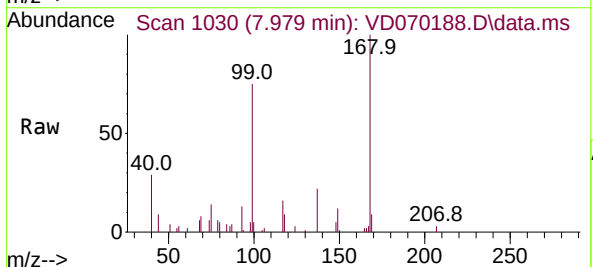
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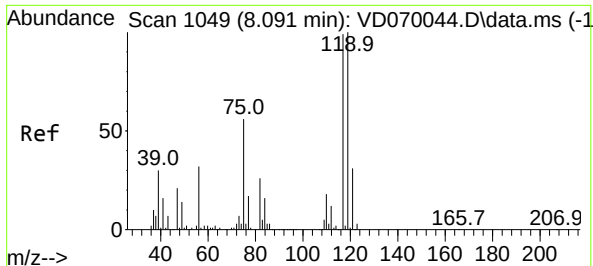
Tgt Ion:	113	Resp:	23116
Ion	Ratio	Lower	Upper
113	100		
111	100.5	81.8	122.6
192	16.7	13.2	19.8



#36
1,1-Dichloropropene
Concen: 5.068 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD070188.D
Acq: 20 Aug 2021 02:47

Tgt Ion:	75	Resp:	3187
Ion	Ratio	Lower	Upper
75	100		
110	4.1	16.9	50.7#
77	0.0	25.2	37.8#

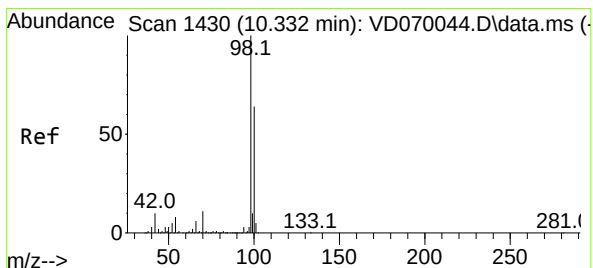
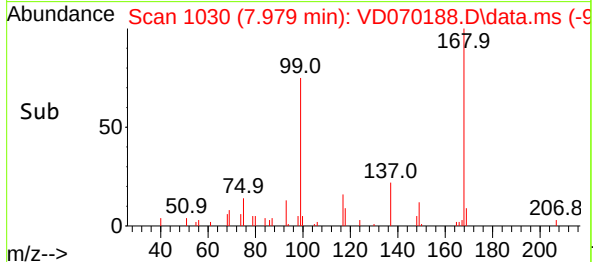
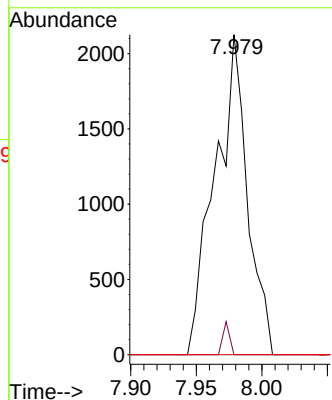
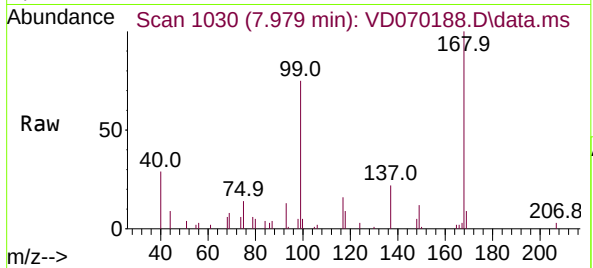




#38
Carbon Tetrachloride
Concen: 6.410 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD070188.D
Acq: 20 Aug 2021 02:47

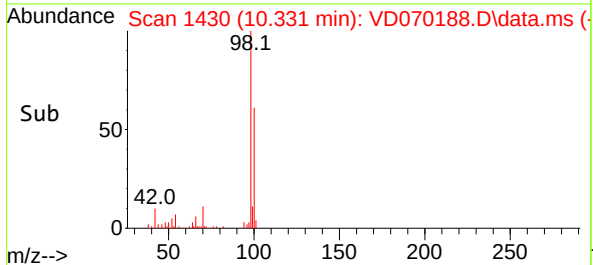
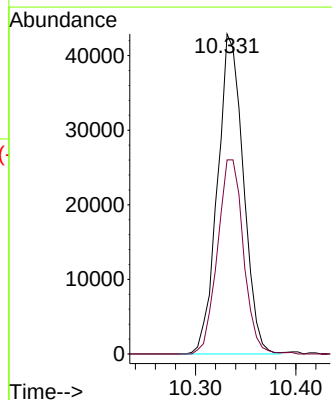
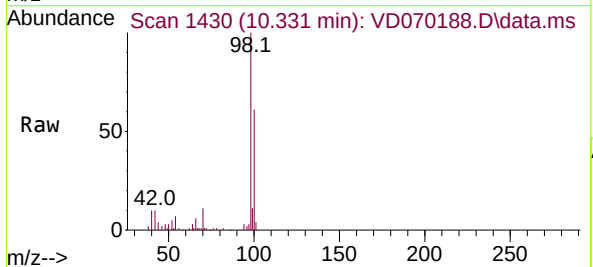
Instrument :
MSVOA_D
ClientSampled :
TP2

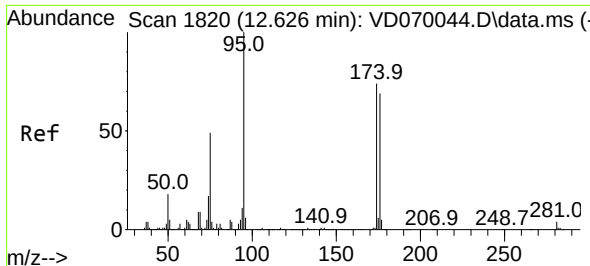
Tgt Ion:117 Resp: 3659
Ion Ratio Lower Upper
117 100
119 0.0 81.0 121.6#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 52.153 ug/l
RT: 10.331 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD070188.D
Acq: 20 Aug 2021 02:47

Tgt Ion: 98 Resp: 76598
Ion Ratio Lower Upper
98 100
100 61.1 52.6 78.8

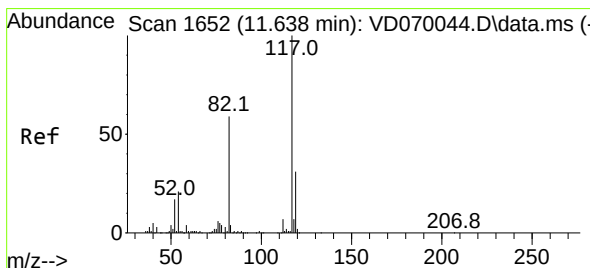
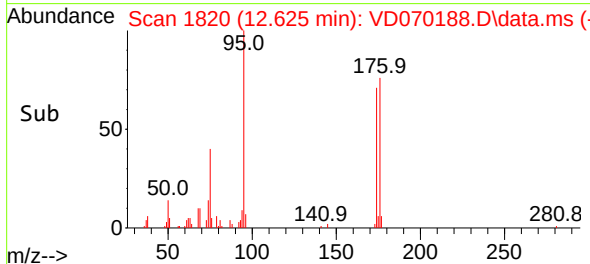
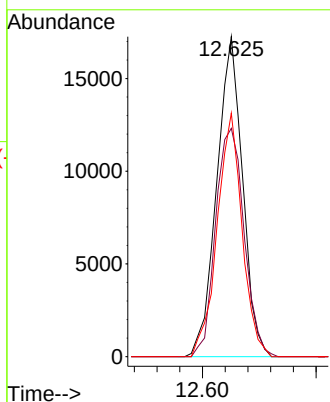
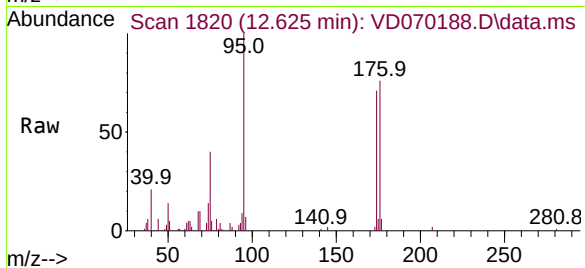




#62
4-Bromofluorobenzene
Concen: 56.270 ug/l
RT: 12.625 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070188.D
Acq: 20 Aug 2021 02:47

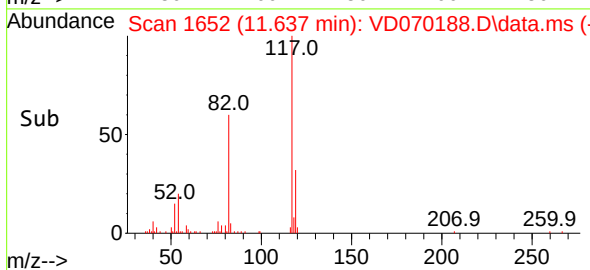
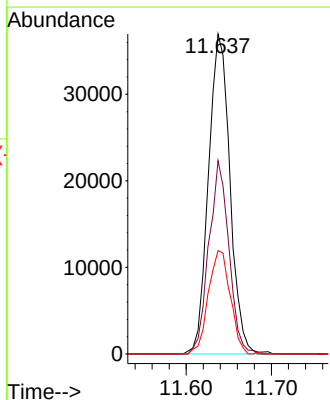
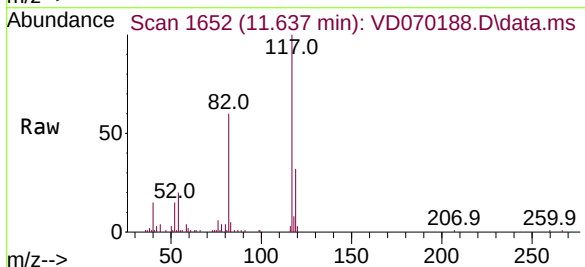
Instrument :
MSVOA_D
ClientSampleId :
TP2

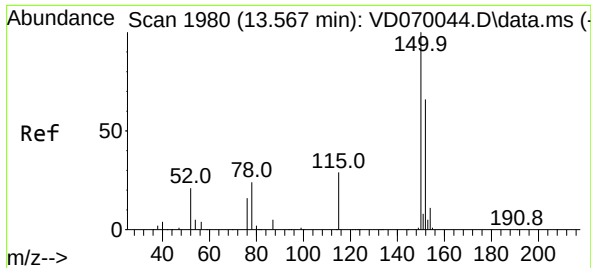
Tgt Ion:	95	Resp:	27221
Ion	Ratio	Lower	Upper
95	100		
174	78.7	0.0	141.6
176	73.5	0.0	138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070188.D
Acq: 20 Aug 2021 02:47

Tgt Ion:	117	Resp:	64707
Ion	Ratio	Lower	Upper
117	100		
82	60.4	47.5	71.3
119	32.3	25.1	37.7

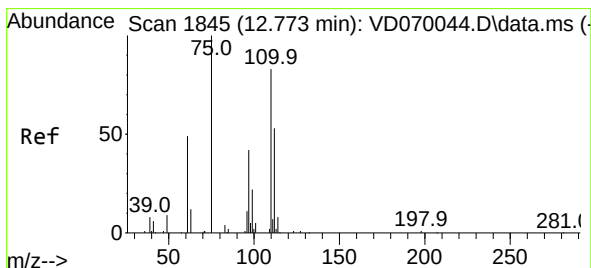
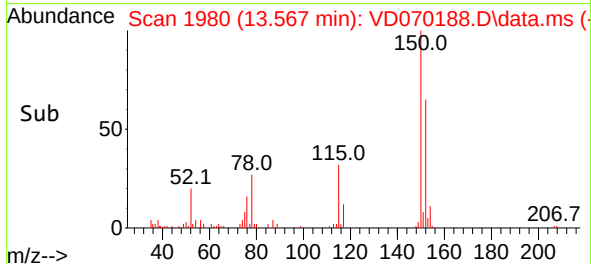
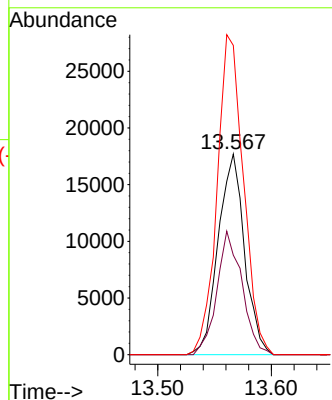
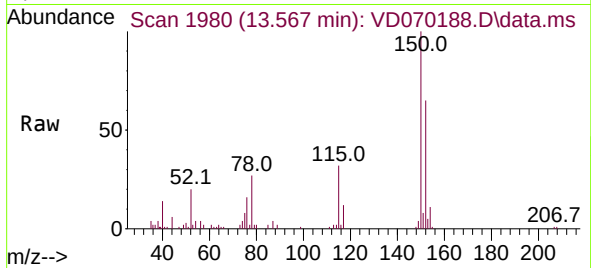




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070188.D
Acq: 20 Aug 2021 02:47

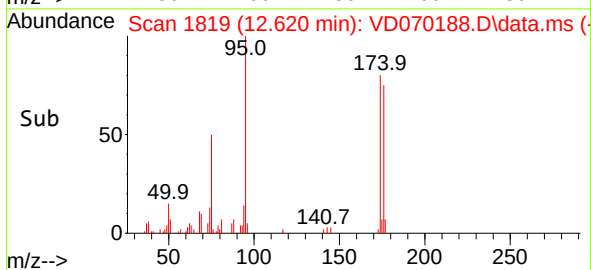
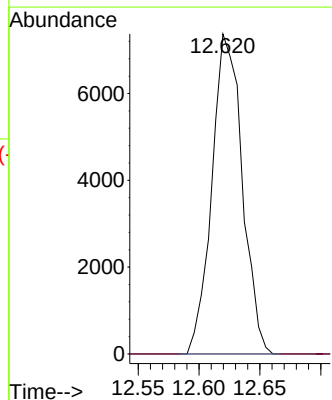
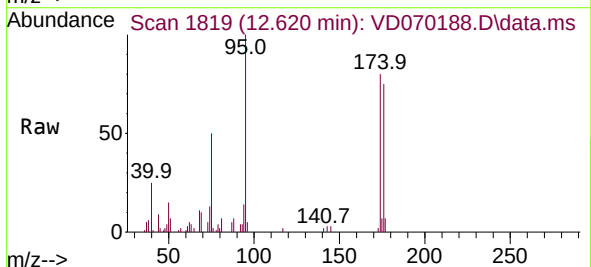
Instrument :
MSVOA_D
ClientSampled :
TP2

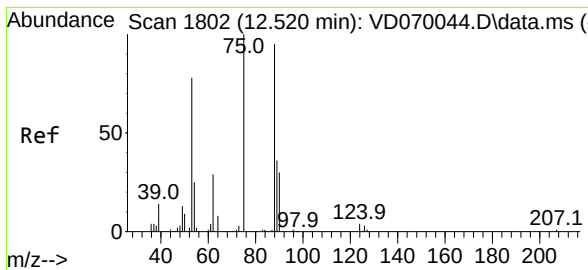
Tgt Ion:152 Resp: 28455
Ion Ratio Lower Upper
152 100
115 58.8 31.2 93.6
150 159.9 0.0 352.0



#76
1,2,3-Trichloropropane
Concen: 44.221 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070188.D
Acq: 20 Aug 2021 02:47

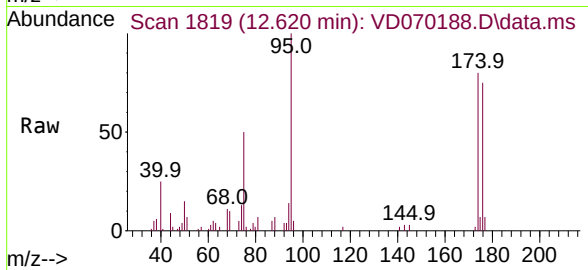
Tgt Ion: 75 Resp: 12761
Ion Ratio Lower Upper
75 100
77 0.0 182.4 547.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 114.782 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. 0.100 min
 Lab File: VD070188.D
 Acq: 20 Aug 2021 02:47

Instrument :
 MSVOA_D
 ClientSampleId :
 TP2



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	64.5	96.7#
89	0.0	33.7	50.5#

