

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082021\
 Data File : VD070206.D
 Acq On : 20 Aug 2021 16:47
 Operator : VA/SY
 Sample : M3449-16RE
 Misc : 4.55G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 23 03:54:05 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)

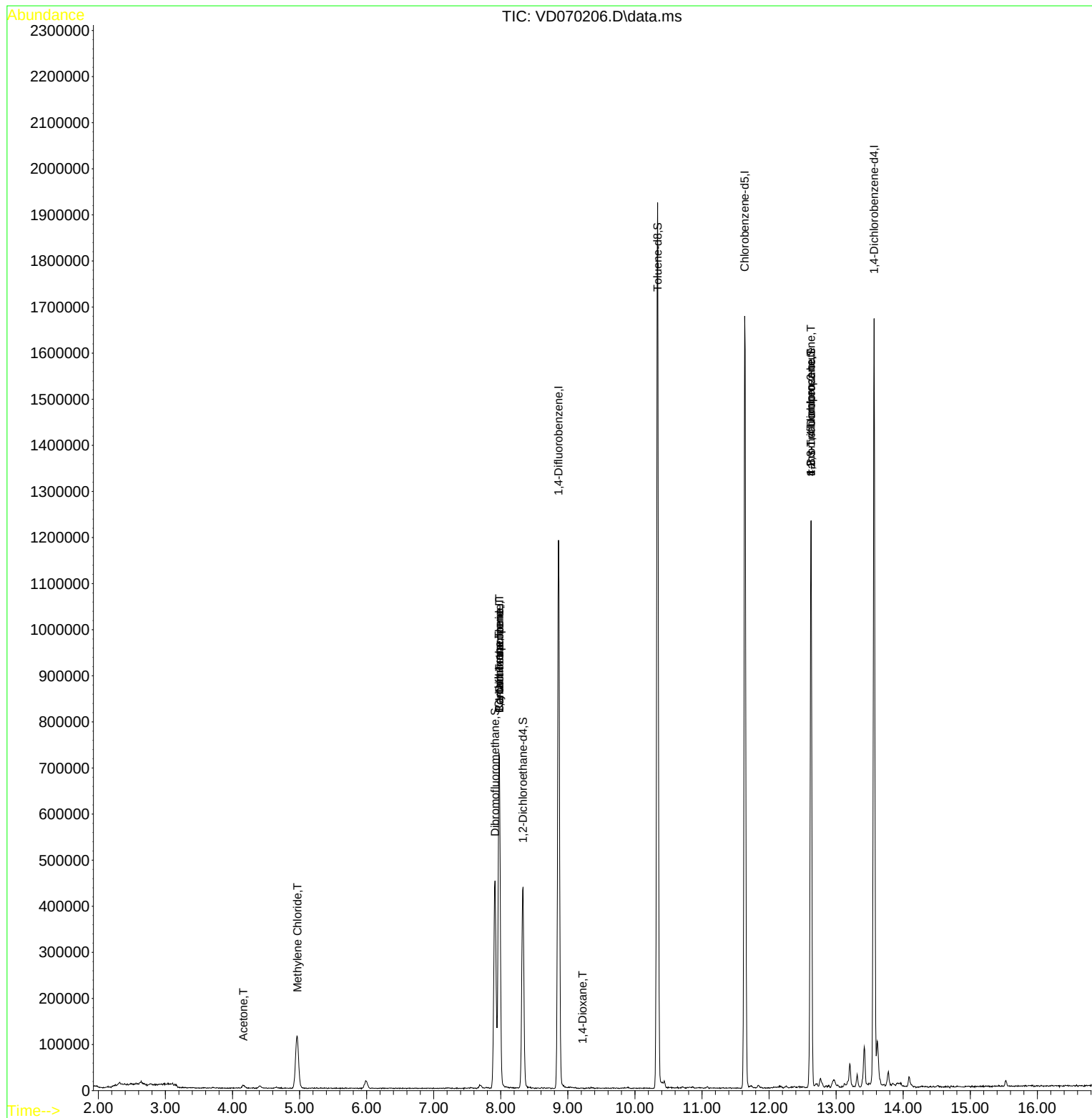
Internal Standards						
1) Pentafluorobenzene	7.979	168	514714	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1007181	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	988542	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	432550	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	341946	56.484	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.960%	
35) Dibromofluoromethane	7.914	113	337061	51.799	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.600%	
50) Toluene-d8	10.338	98	1303268	51.495	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.980%	
62) 4-Bromofluorobenzene	12.626	95	423741	50.832	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 101.660%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.997	85	501	Below Cal		96
3) Chloromethane	2.209	50	1164	Below Cal	#	42
5) Bromomethane	2.773	94	2202	Below Cal	#	74
16) Acetone	4.162	43	12365	11.088	ug/l #	78
20) Methylene Chloride	4.967	84	94131	5.058	ug/l	96
31) Cyclohexane	7.973	56	13368	1.116	ug/l #	12
36) 1,1-Dichloropropene	7.979	75	47861	4.417	ug/l #	49
38) Carbon Tetrachloride	7.979	117	57591	5.855	ug/l #	14
49) 1,4-Dioxane	9.220	88	81	1.877	ug/l #	23
76) 1,2,3-Trichloropropane	12.626	75	208936	47.630	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	208936	123.630	ug/l #	18

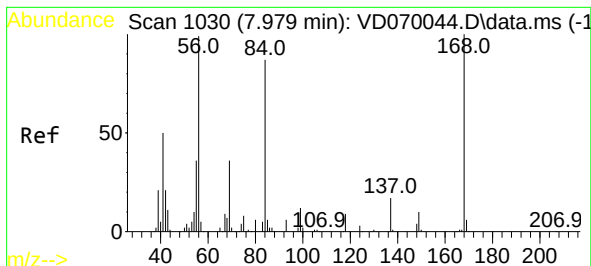
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 23 03:54:05 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



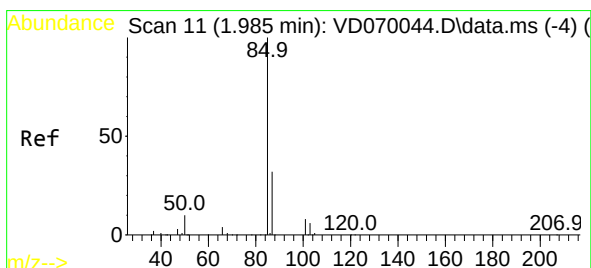
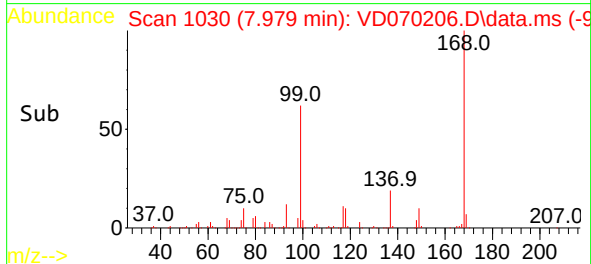
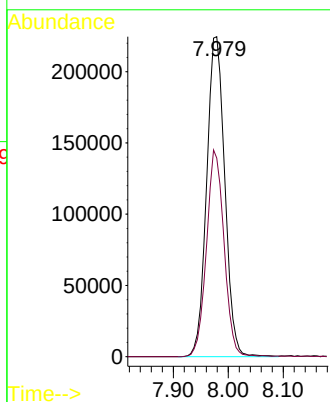
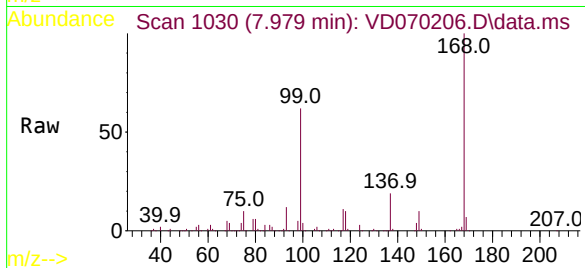


#1

Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.979 min Scan# 1030
 Delta R.T. -0.000 min
 Lab File: VD070206.D
 Acq: 20 Aug 2021 16:47

Instrument :
 MSVOA_D
 ClientSampled :

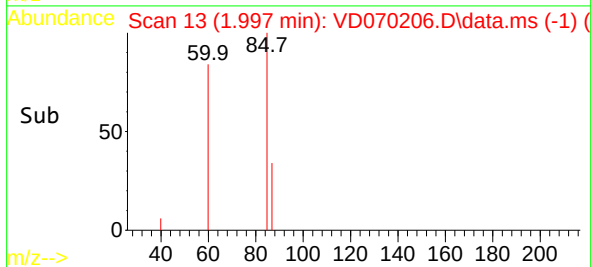
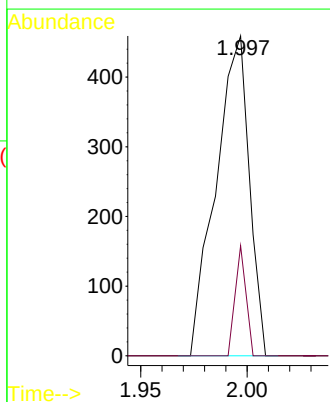
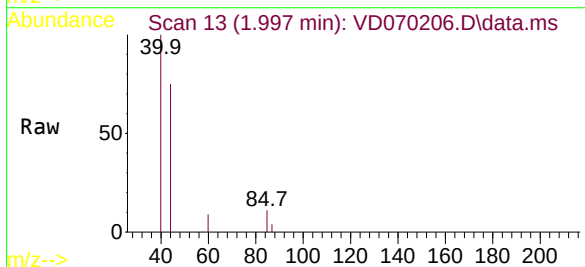
Tgt Ion:168 Resp: 514714
 Ion Ratio Lower Upper
 168 100
 99 62.0 50.3 75.5

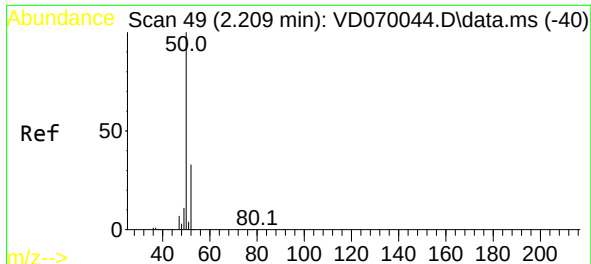


#2

Dichlorodifluoromethane
 Concen: Below Cal
 RT: 1.997 min Scan# 13
 Delta R.T. 0.012 min
 Lab File: VD070206.D
 Acq: 20 Aug 2021 16:47

Tgt Ion: 85 Resp: 501
 Ion Ratio Lower Upper
 85 100
 87 34.4 16.2 48.6

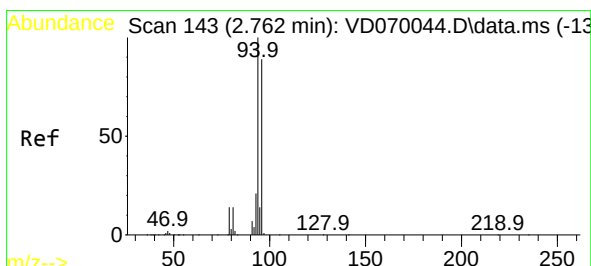
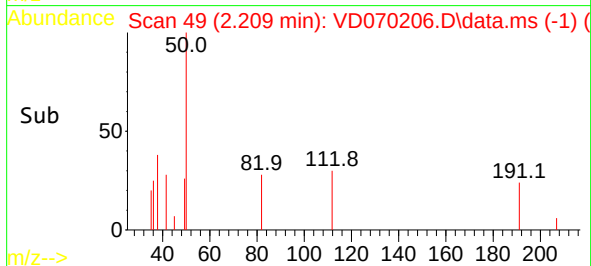
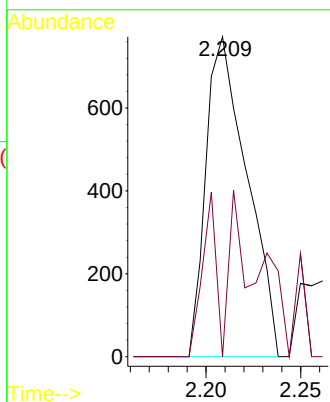
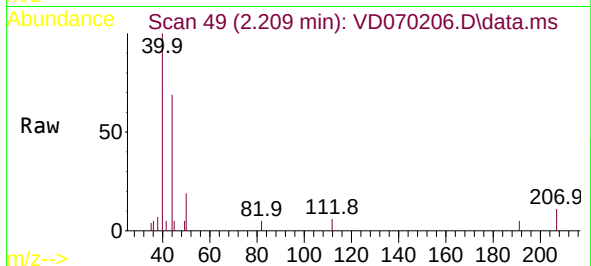




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070206.D
Acq: 20 Aug 2021 16:47

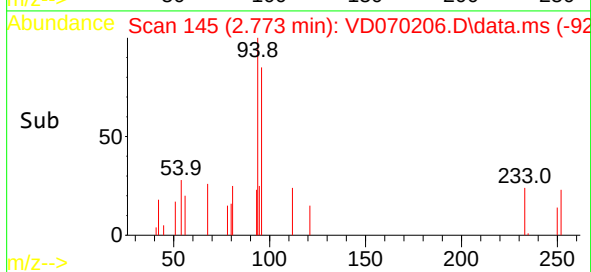
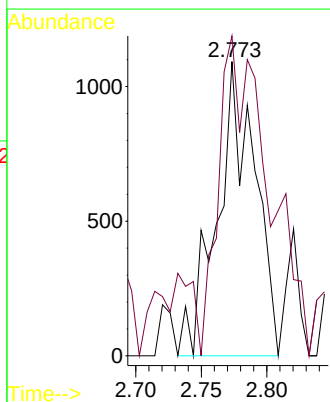
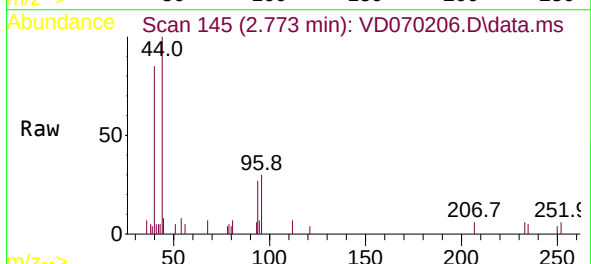
Instrument :
MSVOA_D
ClientSampled :

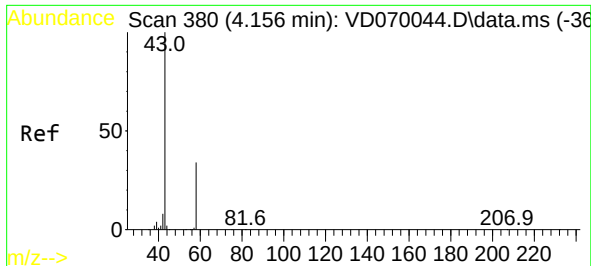
Tgt Ion: 50 Resp: 1164
Ion Ratio Lower Upper
50 100
52 0.0 26.3 39.5#



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD070206.D
Acq: 20 Aug 2021 16:47

Tgt Ion: 94 Resp: 2202
Ion Ratio Lower Upper
94 100
96 64.7 70.9 106.3#

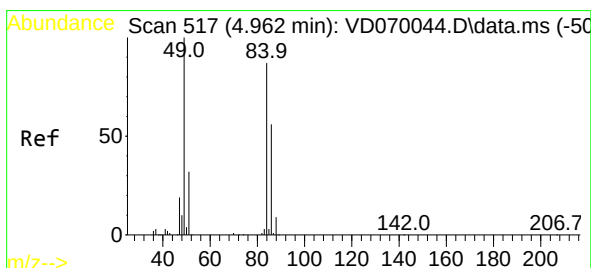
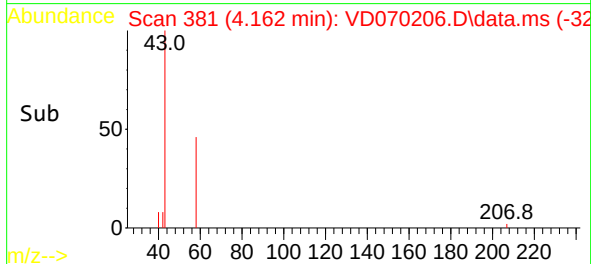
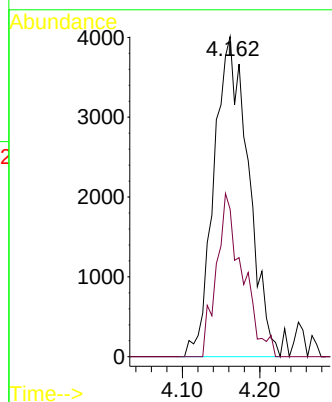
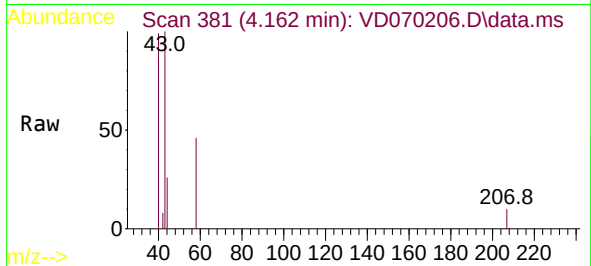




#16
Acetone
Concen: 11.088 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD070206.D
Acq: 20 Aug 2021 16:47

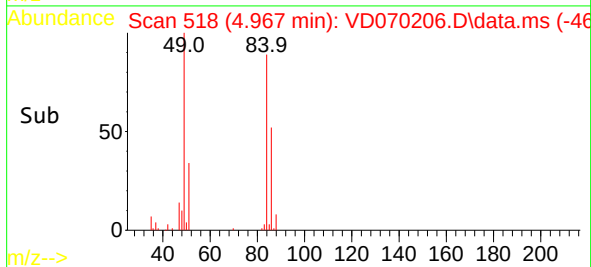
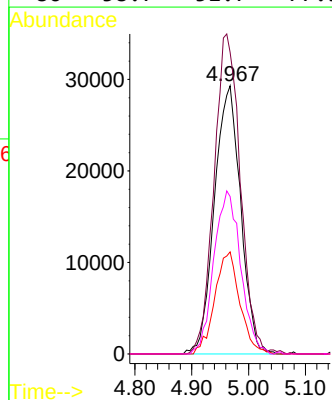
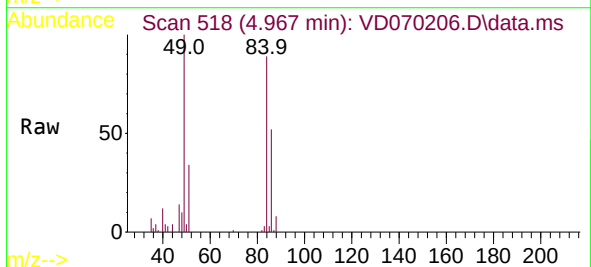
Instrument :
MSVOA_D
ClientSampled :

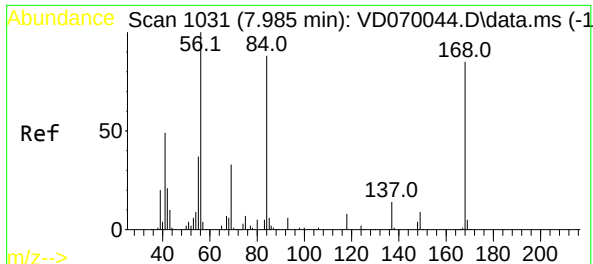
Tgt Ion: 43 Resp: 12365
Ion Ratio Lower Upper
43 100
58 46.1 26.8 40.2#



#20
Methylene Chloride
Concen: 5.058 ug/l
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD070206.D
Acq: 20 Aug 2021 16:47

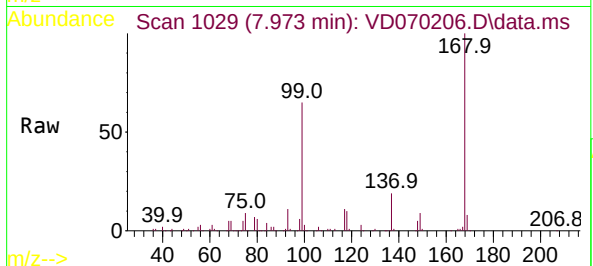
Tgt Ion: 84 Resp: 94131
Ion Ratio Lower Upper
84 100
49 112.4 92.5 138.7
51 38.1 29.7 44.5
86 58.7 51.7 77.5



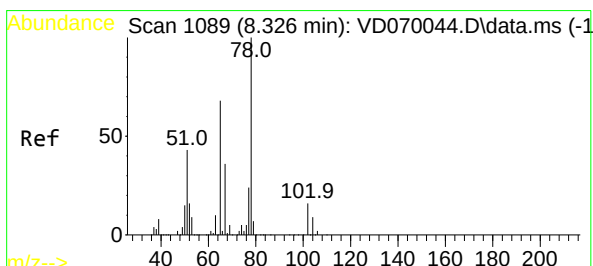
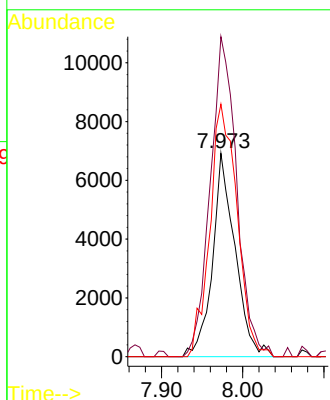
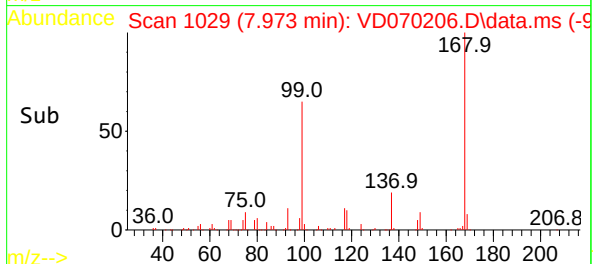


#31
Cyclohexane
Concen: 1.116 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD070206.D
Acq: 20 Aug 2021 16:47

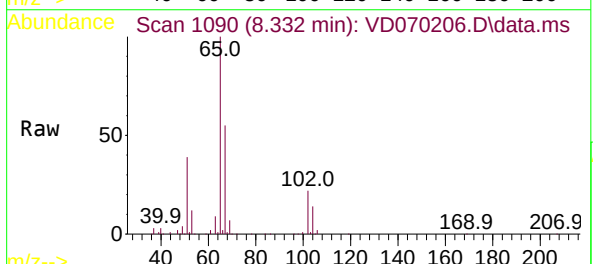
Instrument :
MSVOA_D
ClientSampled :



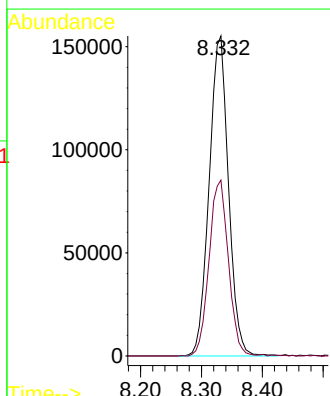
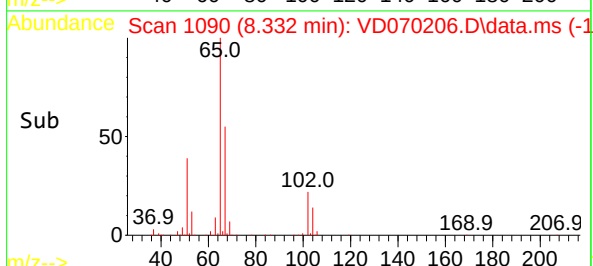
Tgt Ion: 56 Resp: 13368
Ion Ratio Lower Upper
56 100
69 157.3 26.7 40.1#
84 124.1 70.4 105.6#

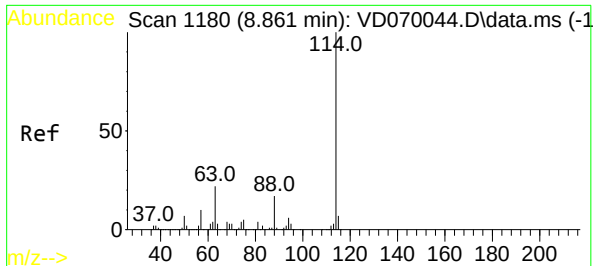


#33
1,2-Dichloroethane-d4
Concen: 56.484 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD070206.D
Acq: 20 Aug 2021 16:47



Tgt Ion: 65 Resp: 341946
Ion Ratio Lower Upper
65 100
67 54.9 0.0 107.8



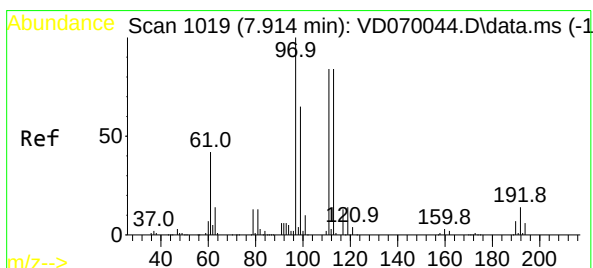
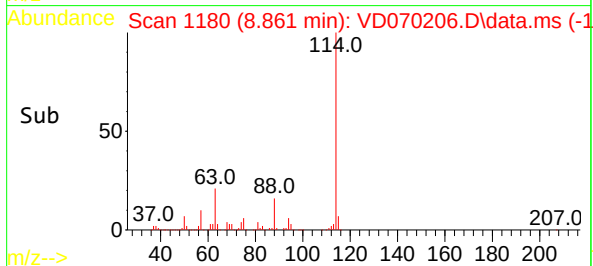
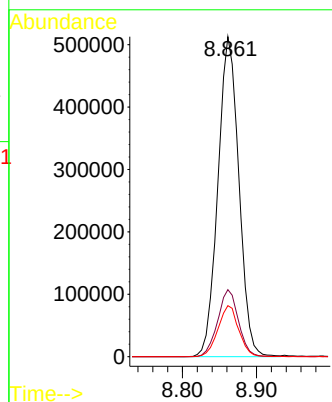
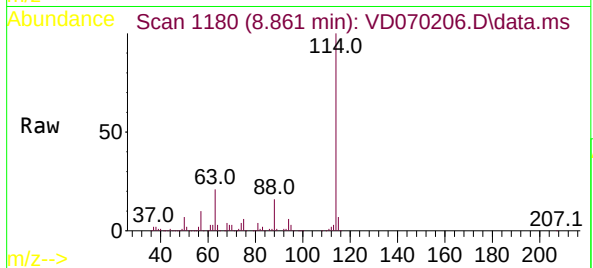


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD070206.D
Acq: 20 Aug 2021 16:47

Instrument :
MSVOA_D
ClientSampled :

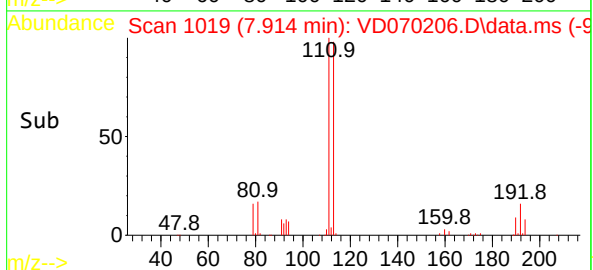
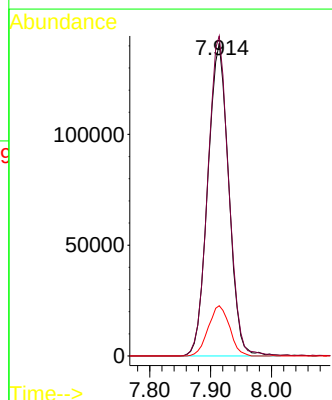
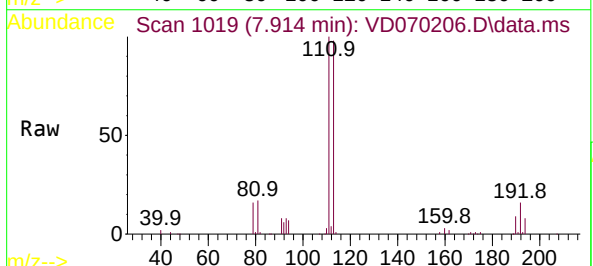
Tgt Ion:114 Resp: 1007181
Ion Ratio Lower Upper
114 100
63 20.9 0.0 43.6
88 16.0 0.0 33.4

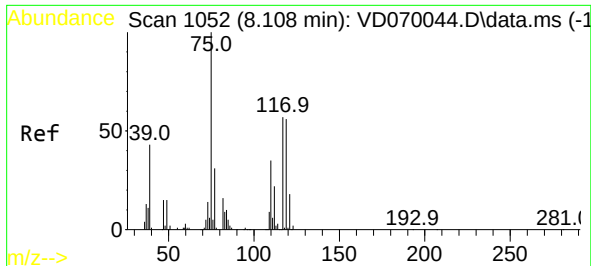


#35

Dibromofluoromethane
Concen: 51.799 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD070206.D
Acq: 20 Aug 2021 16:47

Tgt Ion:113 Resp: 337061
Ion Ratio Lower Upper
113 100
111 102.4 81.8 122.6
192 16.3 13.2 19.8

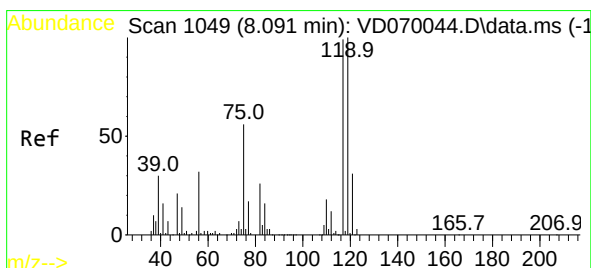
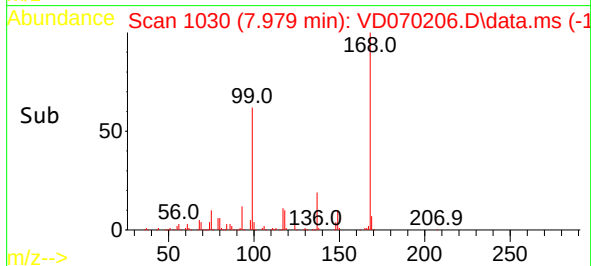
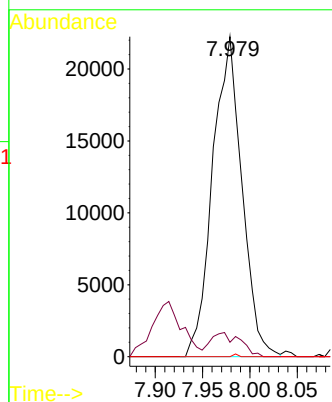
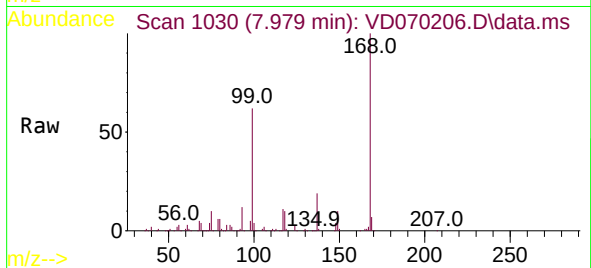




#36
1,1-Dichloropropene
Concen: 4.417 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD070206.D
Acq: 20 Aug 2021 16:47

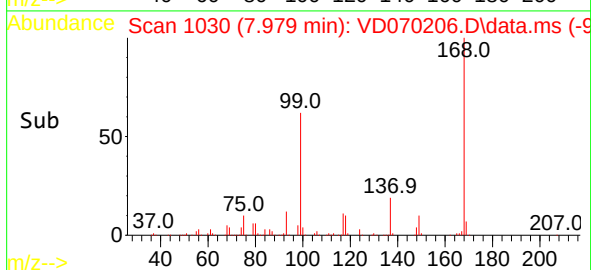
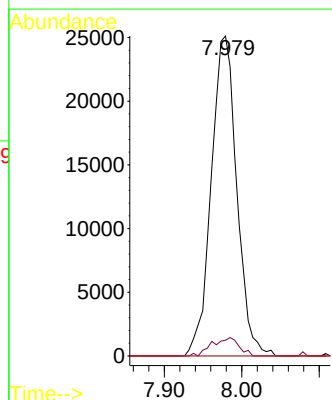
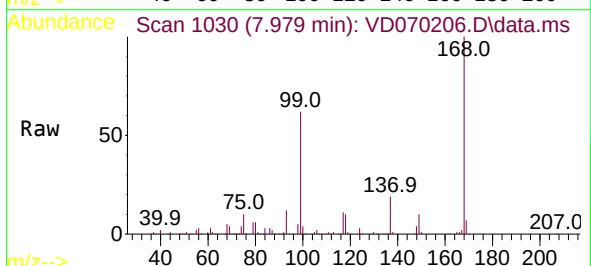
Instrument :
MSVOA_D
ClientSampled :

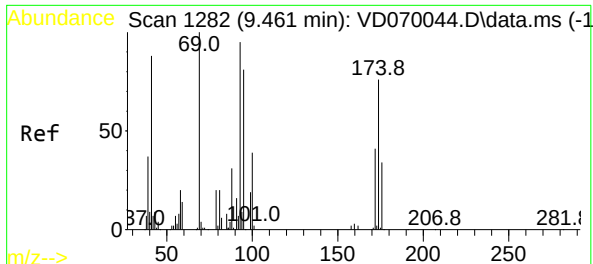
Tgt Ion: 75 Resp: 47861
Ion Ratio Lower Upper
75 100
110 7.6 16.9 50.7#
77 0.1 25.2 37.8#



#38
Carbon Tetrachloride
Concen: 5.855 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD070206.D
Acq: 20 Aug 2021 16:47

Tgt Ion: 117 Resp: 57591
Ion Ratio Lower Upper
117 100
119 4.9 81.0 121.6#
121 0.0 25.0 37.6#

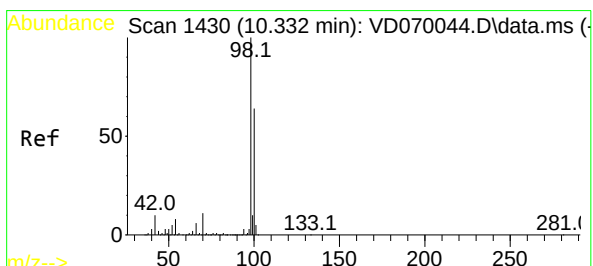
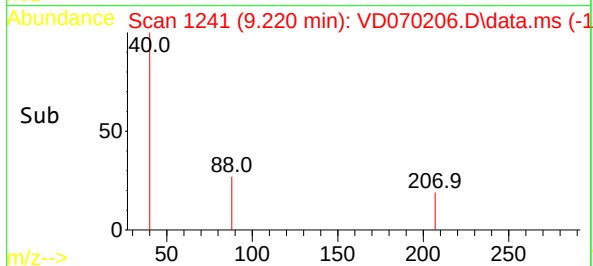
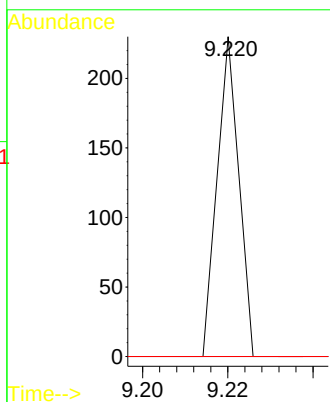
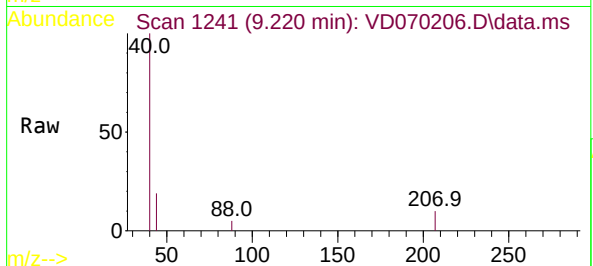




#49
1,4-Dioxane
Concen: 1.877 ug/l
RT: 9.220 min Scan# 1241
Delta R.T. -0.241 min
Lab File: VD070206.D
Acq: 20 Aug 2021 16:47

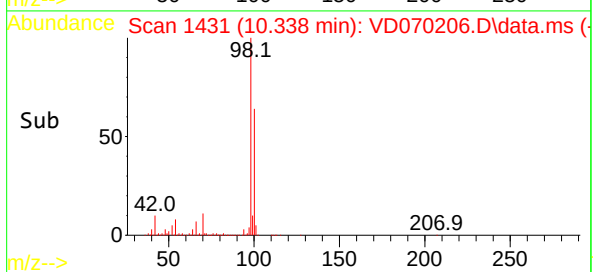
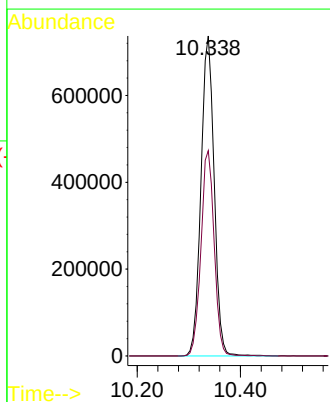
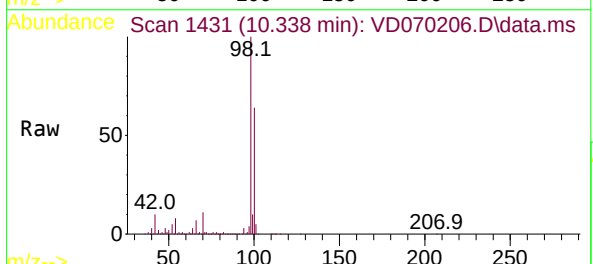
Instrument :
MSVOA_D
ClientSampled :

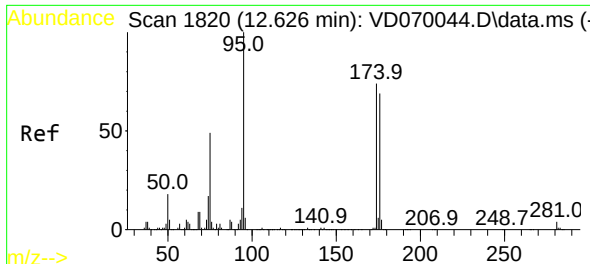
Tgt Ion: 88 Resp: 81
Ion Ratio Lower Upper
88 100
43 0.0 25.8 38.6#
58 0.0 57.4 86.2#



#50
Toluene-d8
Concen: 51.495 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070206.D
Acq: 20 Aug 2021 16:47

Tgt Ion: 98 Resp: 1303268
Ion Ratio Lower Upper
98 100
100 64.3 52.6 78.8

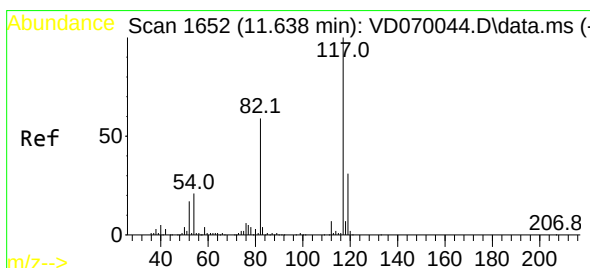
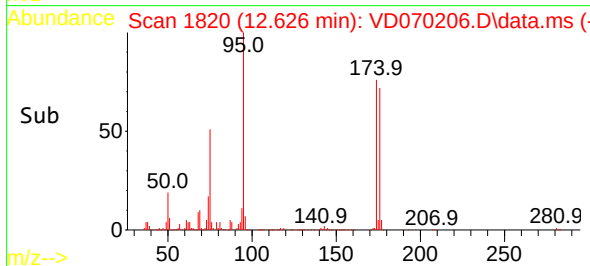
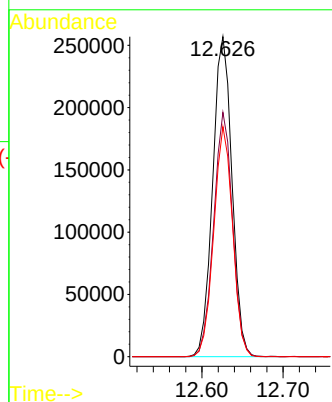
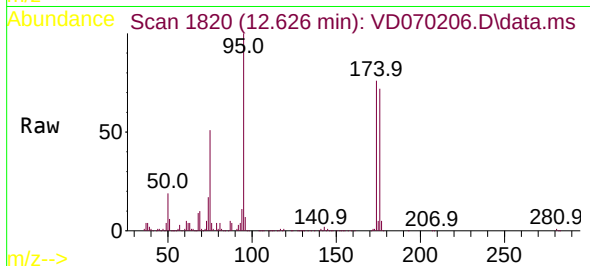




#62
4-Bromofluorobenzene
Concen: 50.832 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD070206.D
Acq: 20 Aug 2021 16:47

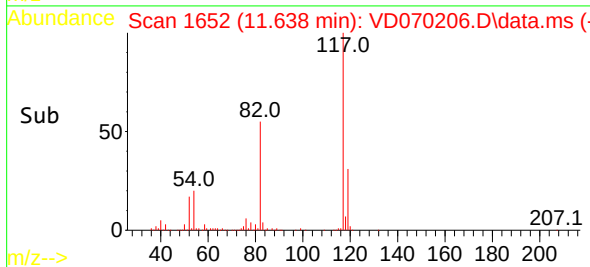
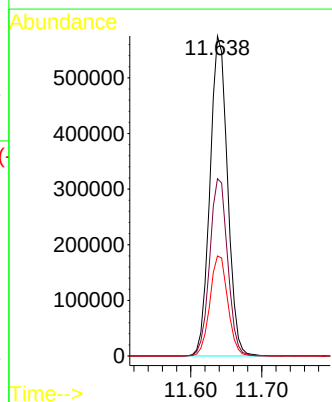
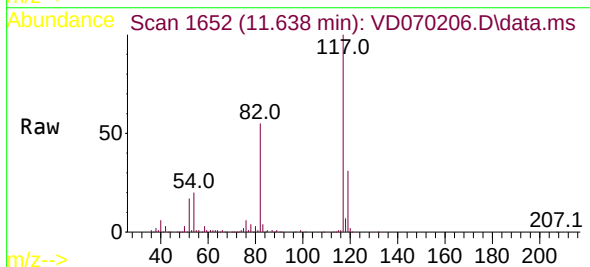
Instrument :
MSVOA_D
ClientSampleId :

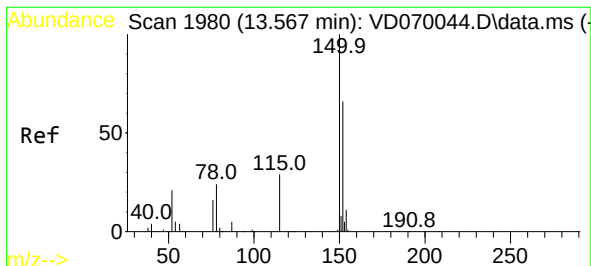
Tgt Ion: 95 Resp: 423741
Ion Ratio Lower Upper
95 100
174 74.8 0.0 141.6
176 70.2 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070206.D
Acq: 20 Aug 2021 16:47

Tgt Ion: 117 Resp: 988542
Ion Ratio Lower Upper
117 100
82 55.4 47.5 71.3
119 31.2 25.1 37.7

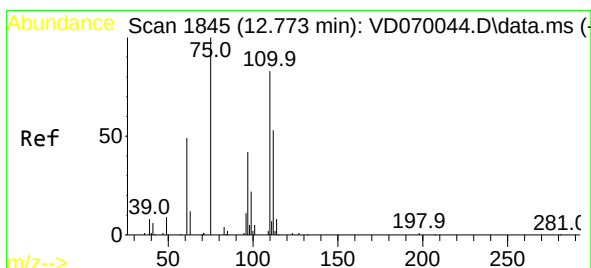
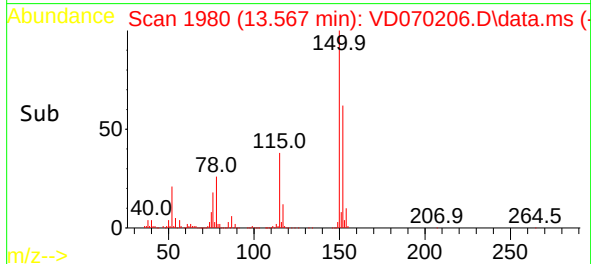
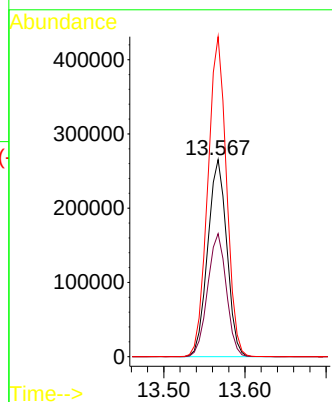
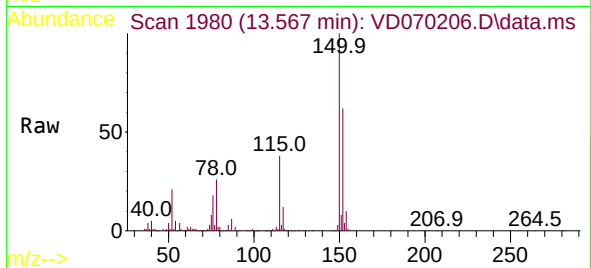




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD070206.D
Acq: 20 Aug 2021 16:47

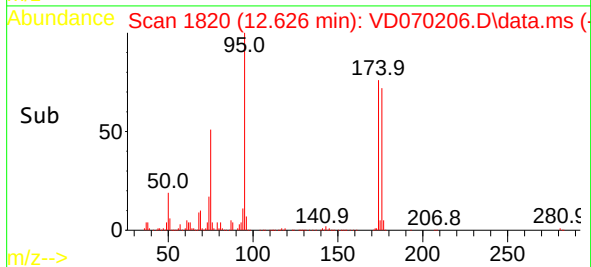
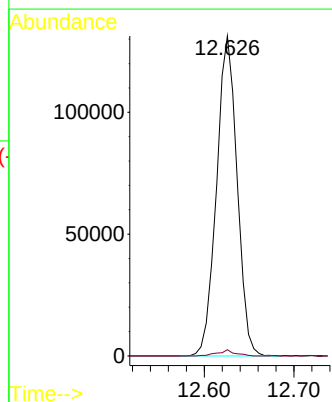
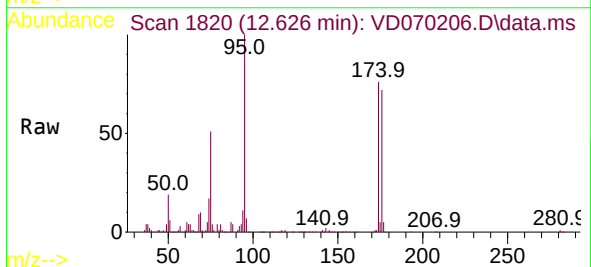
Instrument :
MSVOA_D
ClientSampleId :

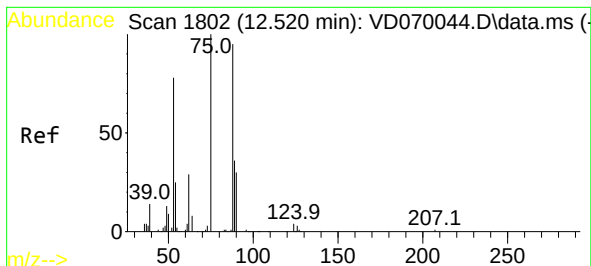
Tgt Ion:152 Resp: 432550
Ion Ratio Lower Upper
152 100
115 61.3 31.2 93.6
150 158.7 0.0 352.0



#76
1,2,3-Trichloropropane
Concen: 47.630 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070206.D
Acq: 20 Aug 2021 16:47

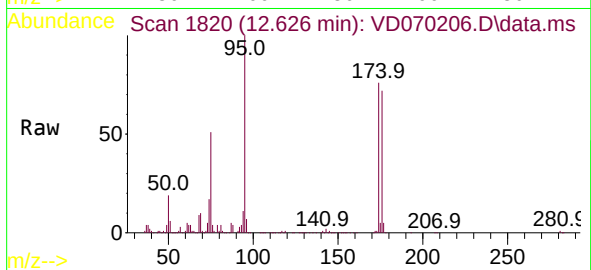
Tgt Ion: 75 Resp: 208936
Ion Ratio Lower Upper
75 100
77 1.6 182.4 547.2#





#81
trans-1,4-Dichloro-2-butene
Concen: 123.630 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD070206.D
Acq: 20 Aug 2021 16:47

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 208936
Ion Ratio Lower Upper
75 100
53 0.6 64.5 96.7#
89 0.0 33.7 50.5#

