

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082321\
 Data File : VD070218.D
 Acq On : 23 Aug 2021 13:29
 Operator : VA/SY
 Sample : M3451-01
 Misc : 4.61G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Aug 24 01:30:42 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)

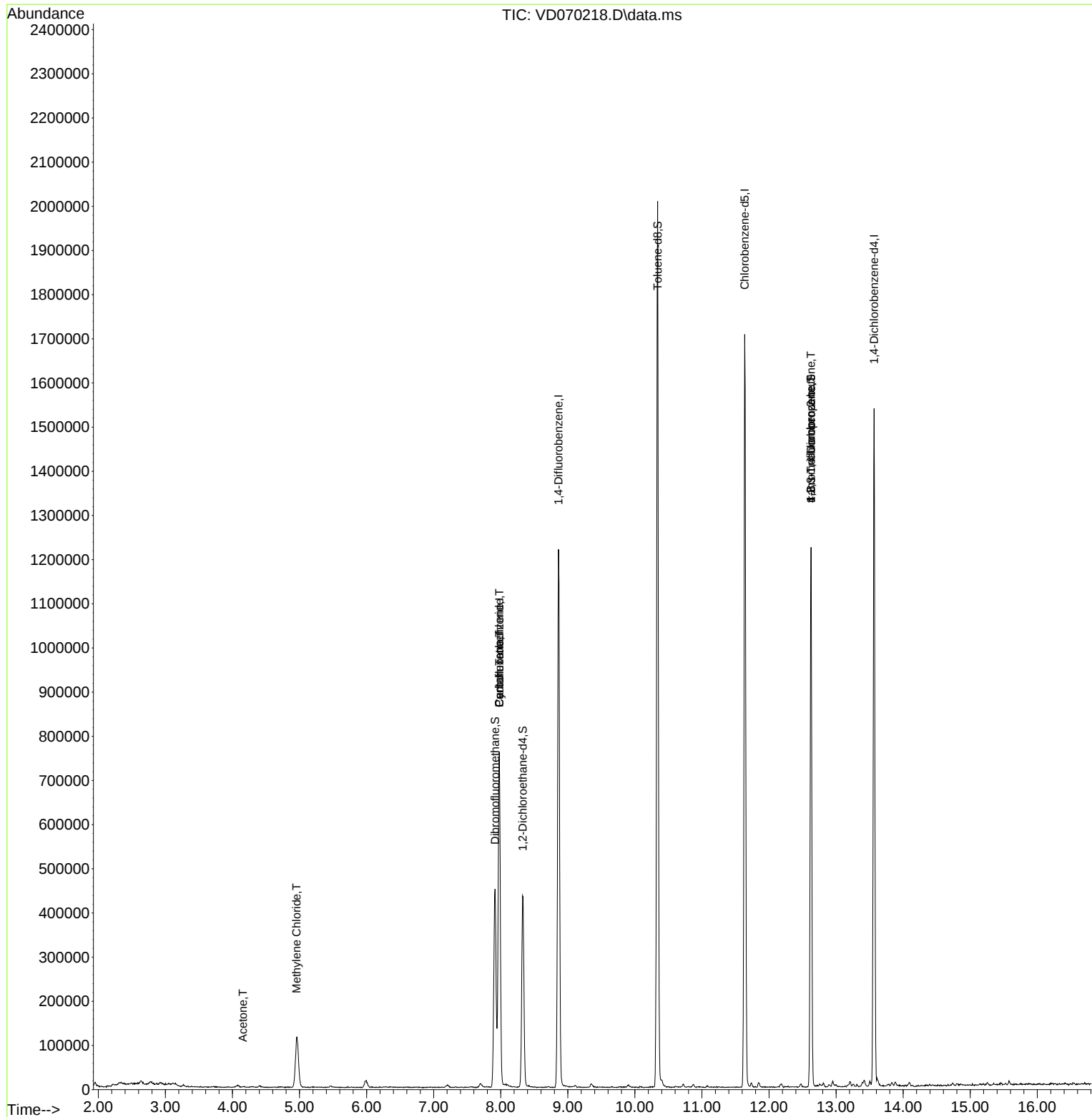
Internal Standards						
1) Pentafluorobenzene	7.979	168	525811	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1033979	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	986155	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	393946	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	342281	55.346	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.700%
35) Dibromofluoromethane	7.914	113	335767	50.263	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.520%
50) Toluene-d8	10.338	98	1328119	51.116	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.240%
62) 4-Bromofluorobenzene	12.626	95	415329	48.532	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	97.060%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	1759	Below Cal		73
3) Chloromethane	2.215	50	2693	Below Cal		94
5) Bromomethane	2.773	94	3748	Below Cal		87
16) Acetone	4.156	43	2326	2.042	ug/l #	77
20) Methylene Chloride	4.956	84	91887	4.400	ug/l	95
31) Cyclohexane	7.979	56	15731	1.285	ug/l #	1
38) Carbon Tetrachloride	7.979	117	58495	5.792	ug/l #	15
76) 1,2,3-Trichloropropane	12.626	75	208310	52.141	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	208310	135.338	ug/l #	17

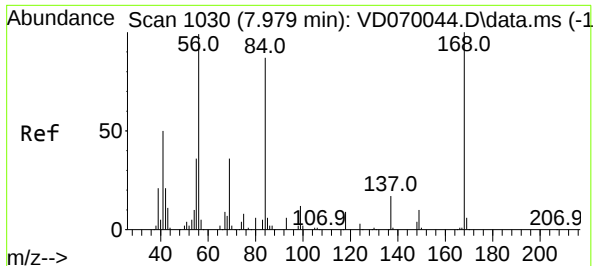
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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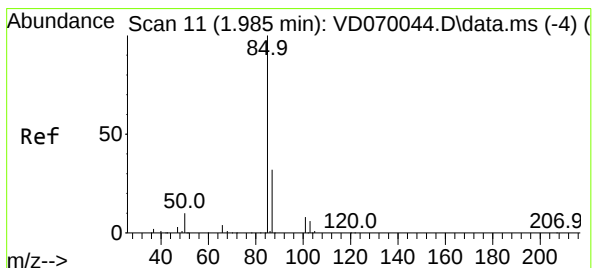
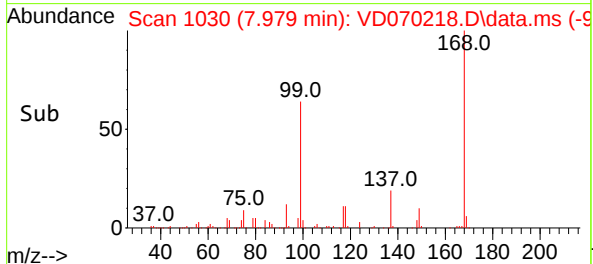
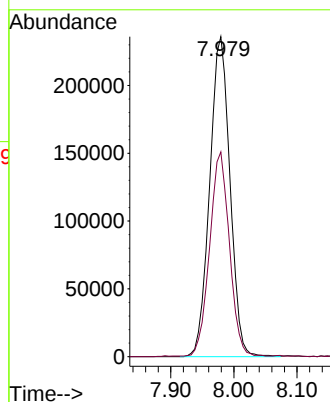
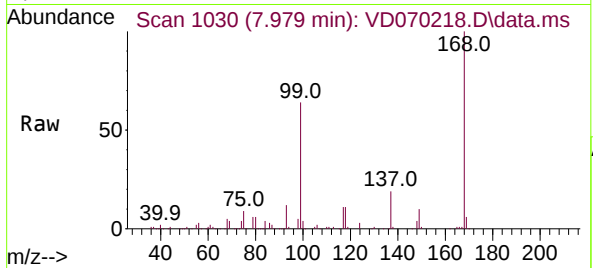




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070218.D
Acq: 23 Aug 2021 13:29

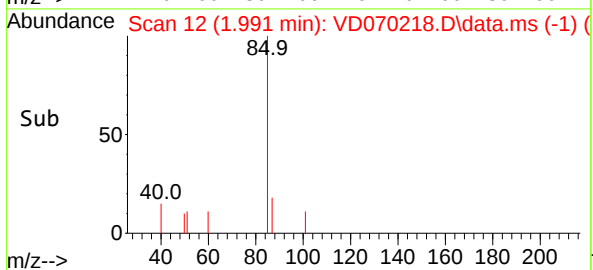
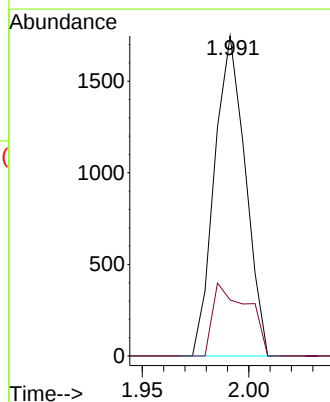
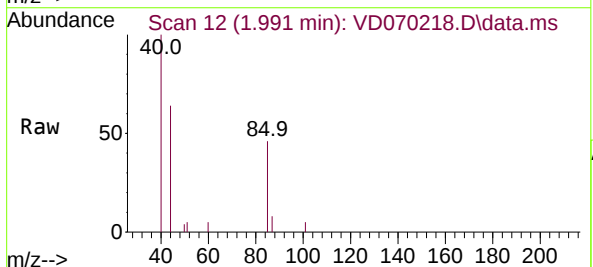
Instrument :
MSVOA_D
ClientSampleId :

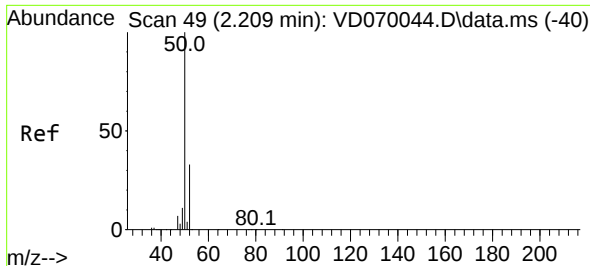
Tgt Ion:168 Resp: 525811
Ion Ratio Lower Upper
168 100
99 63.8 50.3 75.5



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.006 min
Lab File: VD070218.D
Acq: 23 Aug 2021 13:29

Tgt Ion: 85 Resp: 1759
Ion Ratio Lower Upper
85 100
87 17.5 16.2 48.6

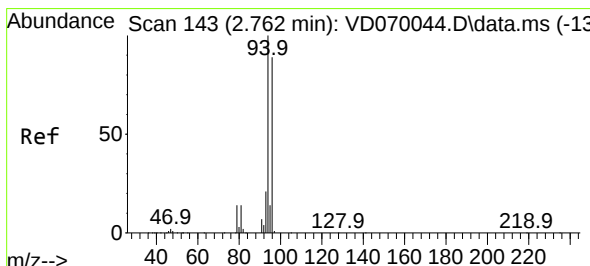
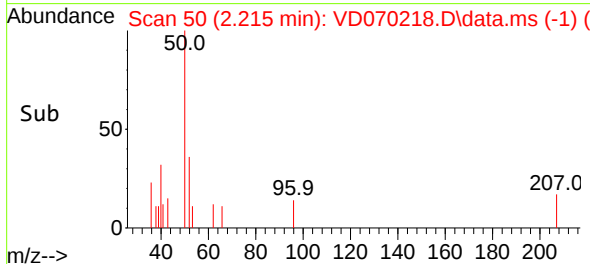
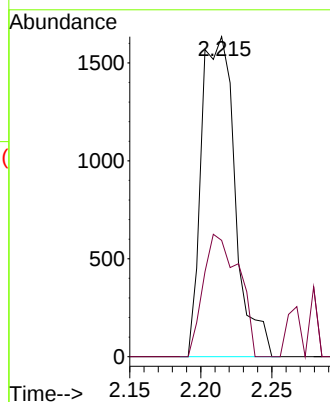
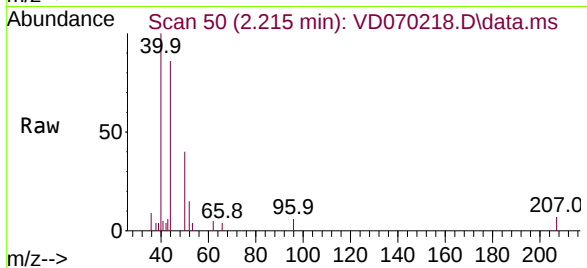




#3
Chloromethane
Concen: Below Cal
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD070218.D
Acq: 23 Aug 2021 13:29

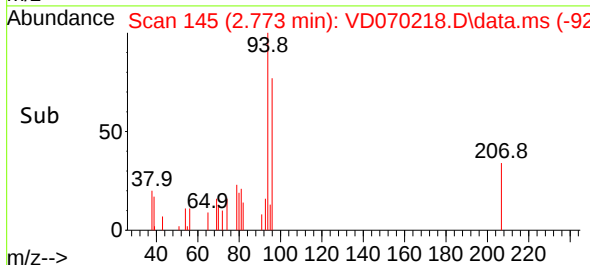
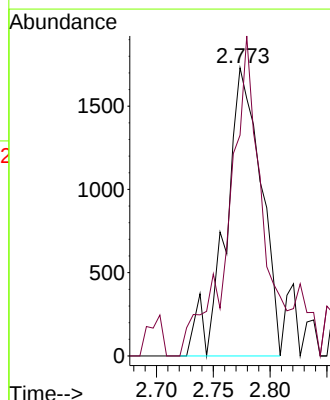
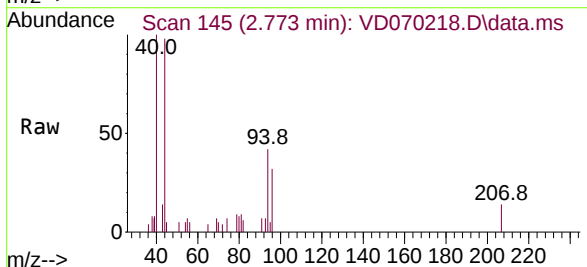
Instrument :
MSVOA_D
ClientSampled :

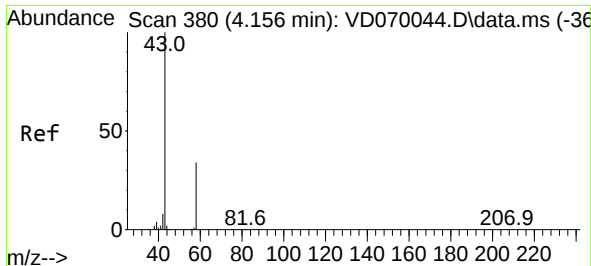
Tgt Ion: 50 Resp: 2693
Ion Ratio Lower Upper
50 100
52 36.4 26.3 39.5



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.011 min
Lab File: VD070218.D
Acq: 23 Aug 2021 13:29

Tgt Ion: 94 Resp: 3748
Ion Ratio Lower Upper
94 100
96 76.6 70.9 106.3

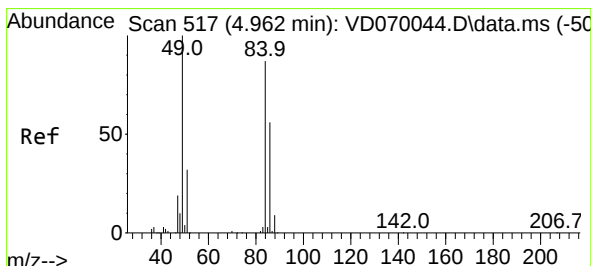
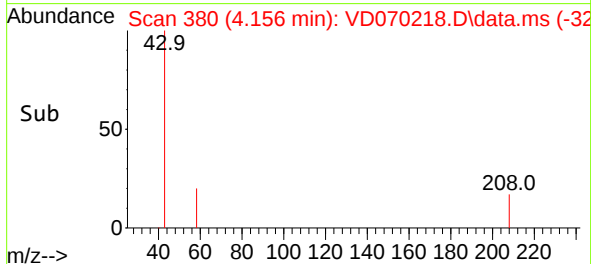
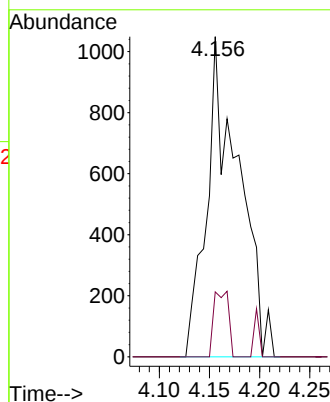
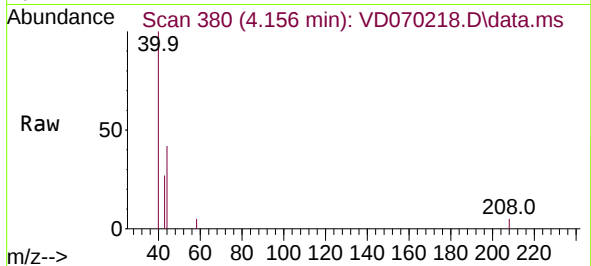




#16
Acetone
Concen: 2.042 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD070218.D
Acq: 23 Aug 2021 13:29

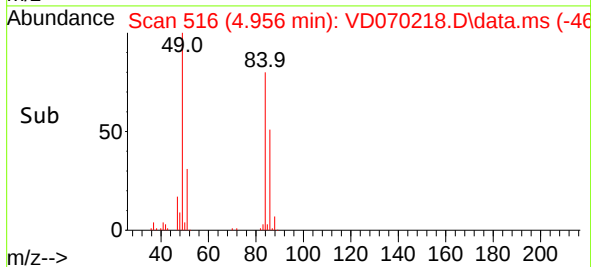
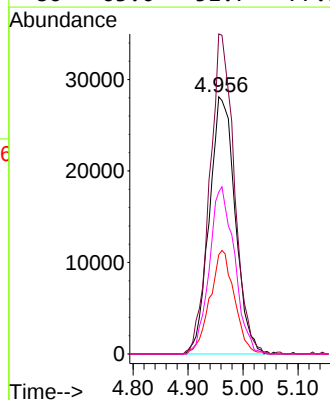
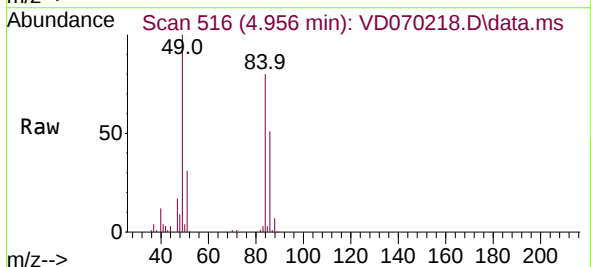
Instrument :
MSVOA_D
ClientSampled :

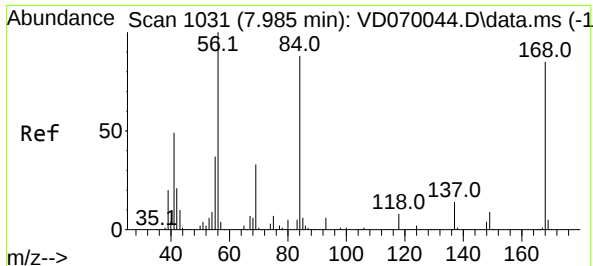
Tgt Ion: 43 Resp: 2326
Ion Ratio Lower Upper
43 100
58 20.3 26.8 40.2#



#20
Methylene Chloride
Concen: 4.400 ug/l
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD070218.D
Acq: 23 Aug 2021 13:29

Tgt Ion: 84 Resp: 91887
Ion Ratio Lower Upper
84 100
49 124.5 92.5 138.7
51 38.6 29.7 44.5
86 63.0 51.7 77.5

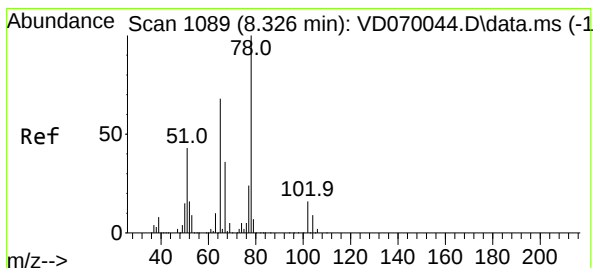
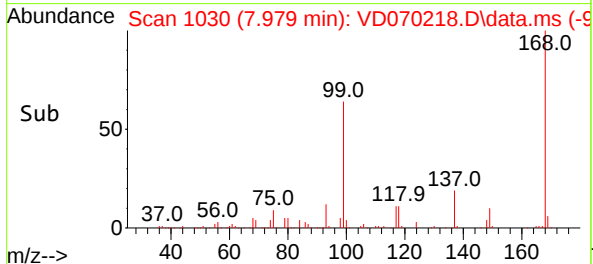
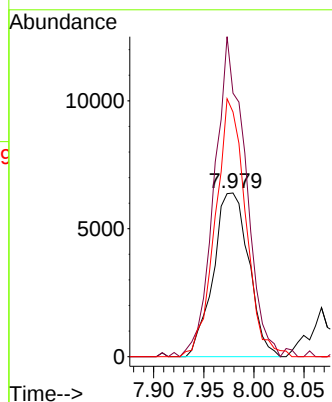
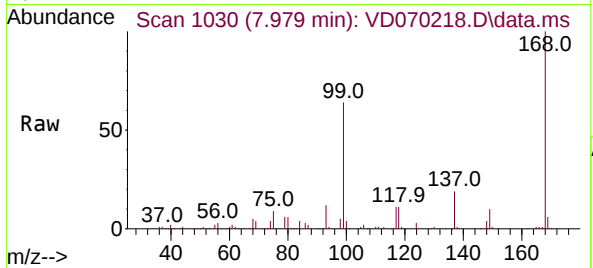




#31
Cyclohexane
Concen: 1.285 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD070218.D
Acq: 23 Aug 2021 13:29

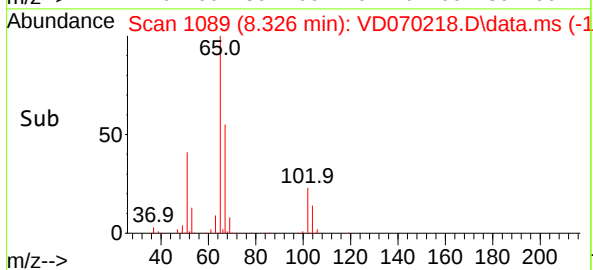
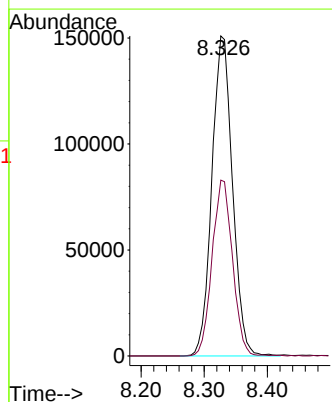
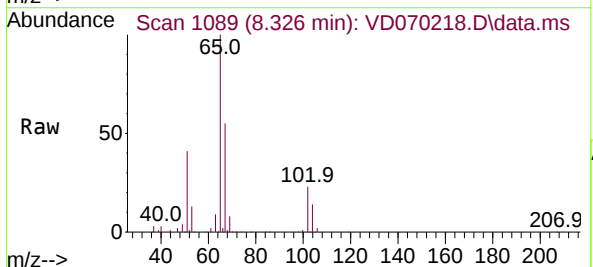
Instrument :
MSVOA_D
ClientSampled :

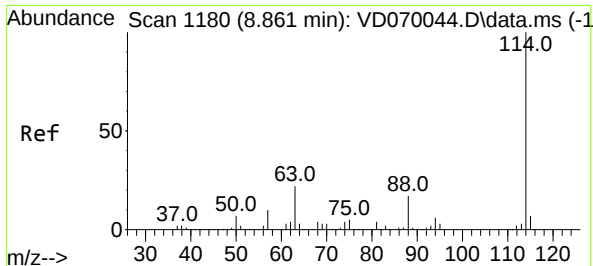
Tgt Ion: 56 Resp: 15731
Ion Ratio Lower Upper
56 100
69 161.1 26.7 40.1#
84 149.5 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 55.346 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD070218.D
Acq: 23 Aug 2021 13:29

Tgt Ion: 65 Resp: 342281
Ion Ratio Lower Upper
65 100
67 54.5 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: VD070218.D

Acq: 23 Aug 2021 13:29

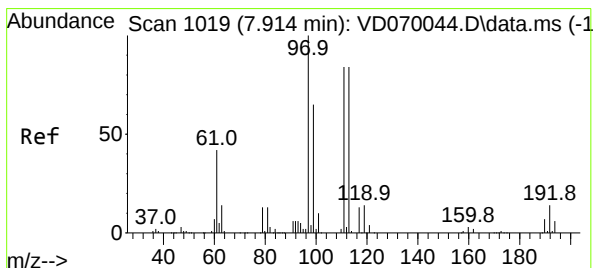
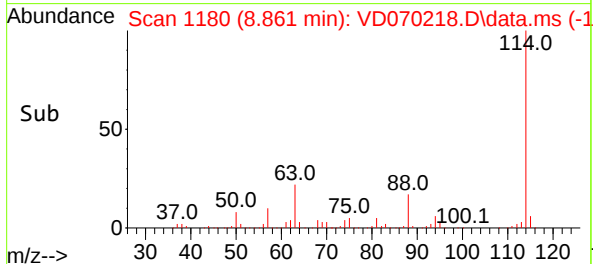
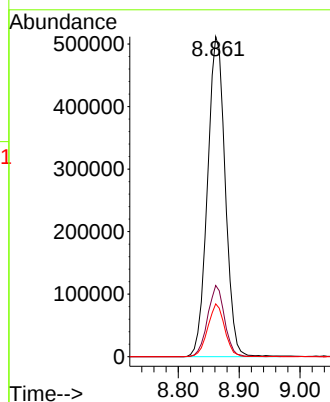
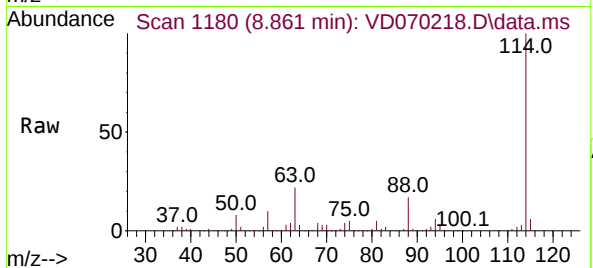
Tgt Ion:114 Resp: 1033979

Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.6

88 16.5 0.0 33.4



#35

Dibromofluoromethane

Concen: 50.263 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD070218.D

Acq: 23 Aug 2021 13:29

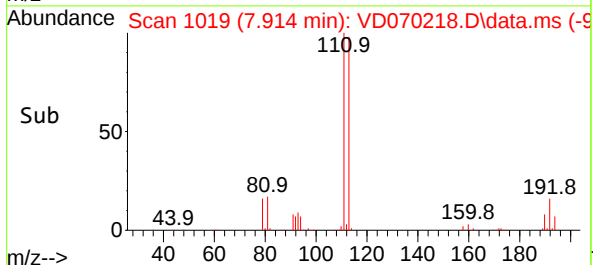
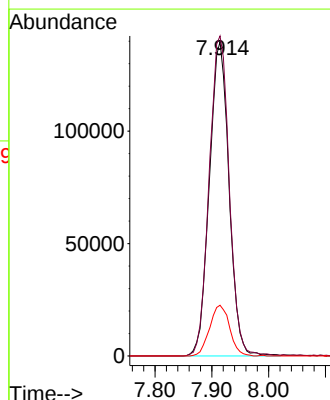
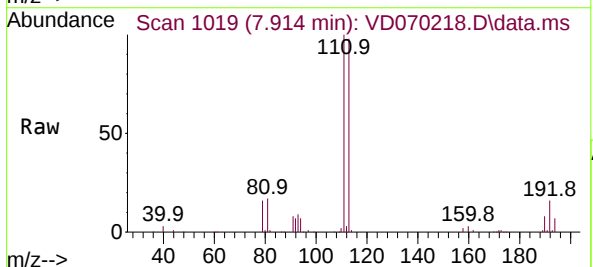
Tgt Ion:113 Resp: 335767

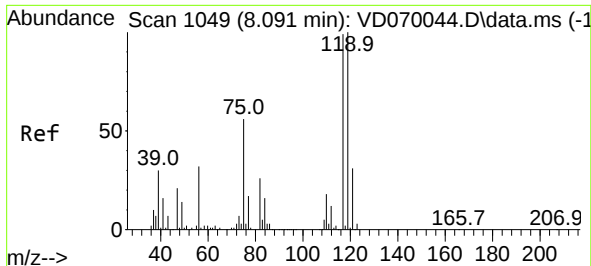
Ion Ratio Lower Upper

113 100

111 103.6 81.8 122.6

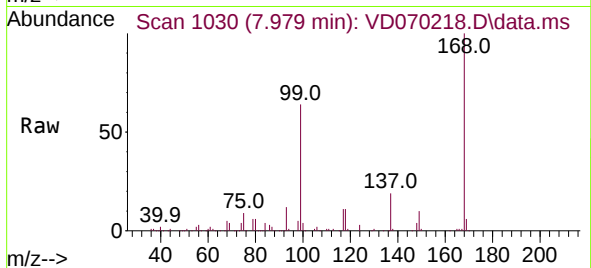
192 16.4 13.2 19.8



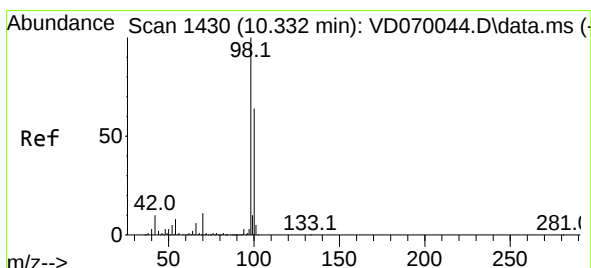
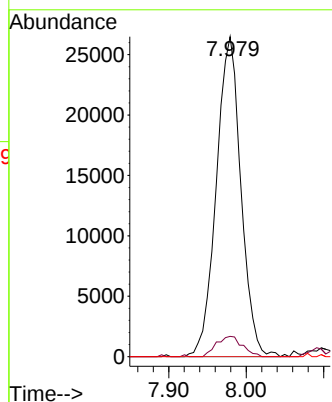
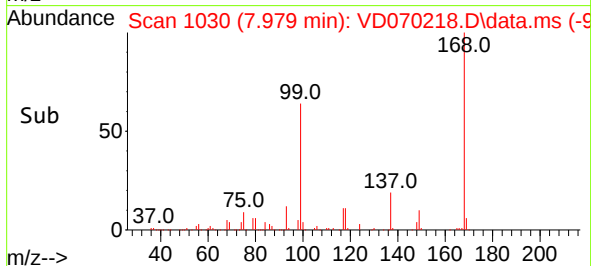


#38
Carbon Tetrachloride
Concen: 5.792 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD070218.D
Acq: 23 Aug 2021 13:29

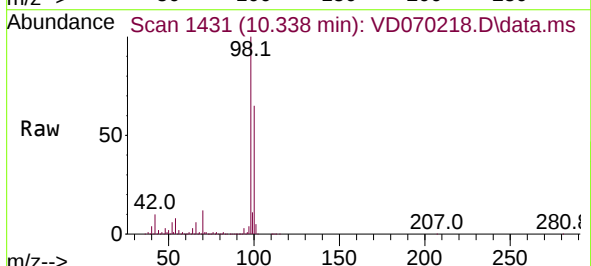
Instrument :
MSVOA_D
ClientSampled :



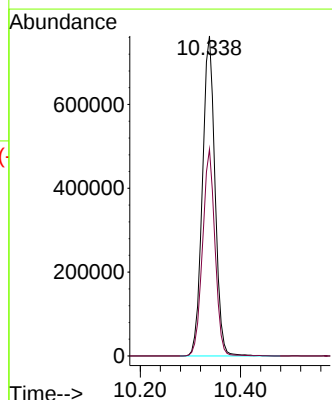
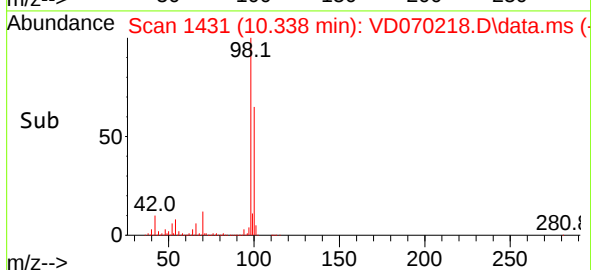
Tgt Ion:117 Resp: 58495
Ion Ratio Lower Upper
117 100
119 6.4 81.0 121.6#
121 0.0 25.0 37.6#

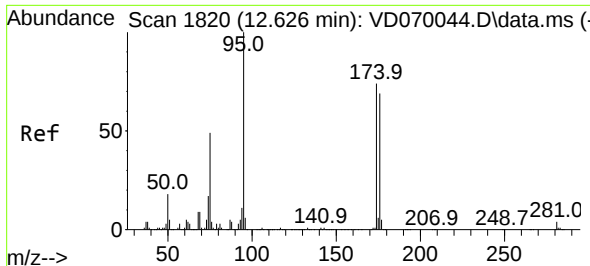


#50
Toluene-d8
Concen: 51.116 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070218.D
Acq: 23 Aug 2021 13:29



Tgt Ion: 98 Resp: 1328119
Ion Ratio Lower Upper
98 100
100 63.8 52.6 78.8

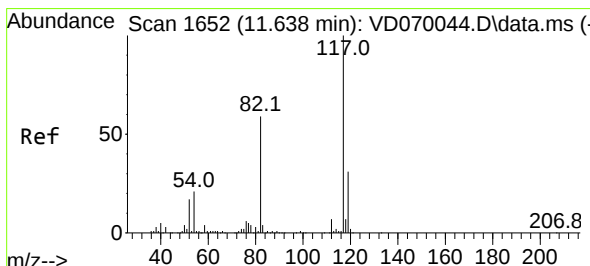
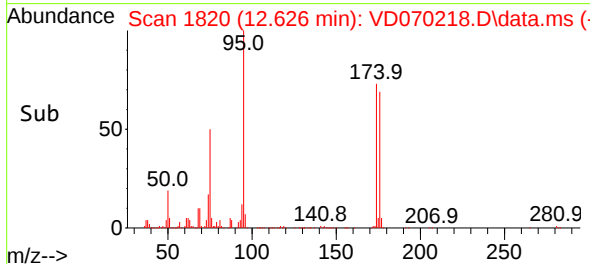
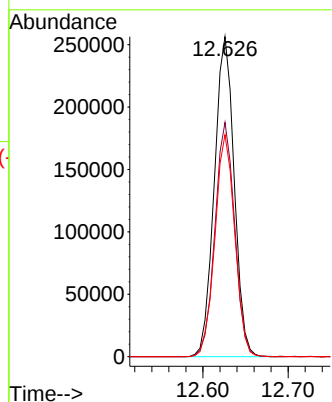
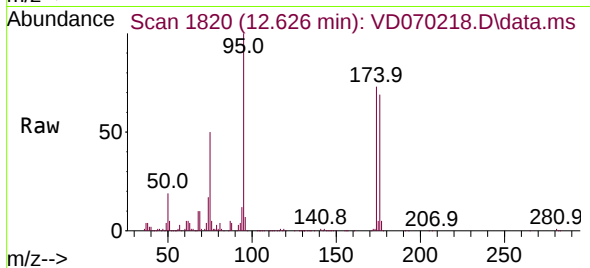




#62
4-Bromofluorobenzene
Concen: 48.532 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070218.D
Acq: 23 Aug 2021 13:29

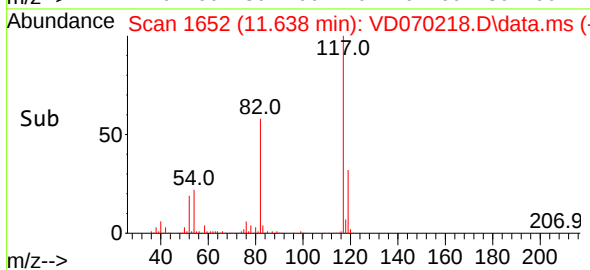
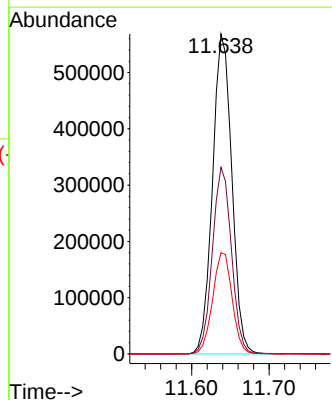
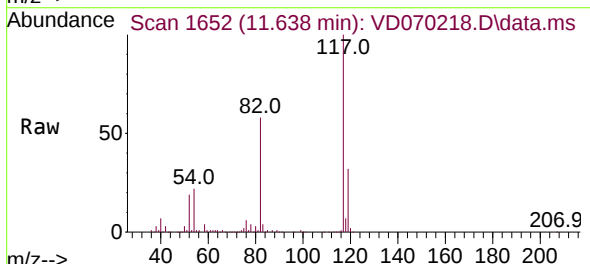
Instrument :
MSVOA_D
ClientSampleId :

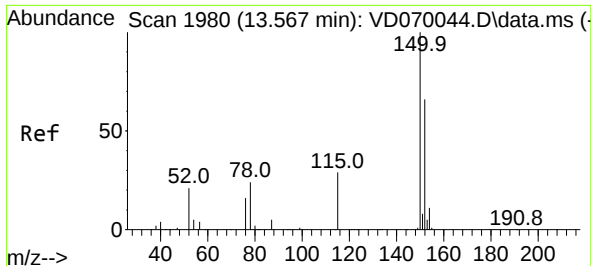
Tgt Ion: 95 Resp: 415329
Ion Ratio Lower Upper
95 100
174 72.6 0.0 141.6
176 69.2 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070218.D
Acq: 23 Aug 2021 13:29

Tgt Ion: 117 Resp: 986155
Ion Ratio Lower Upper
117 100
82 58.3 47.5 71.3
119 31.7 25.1 37.7

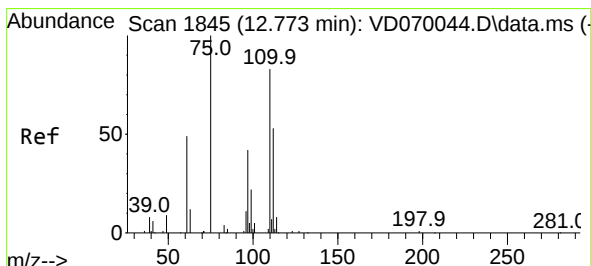
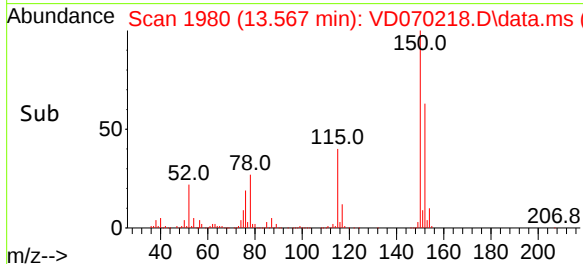
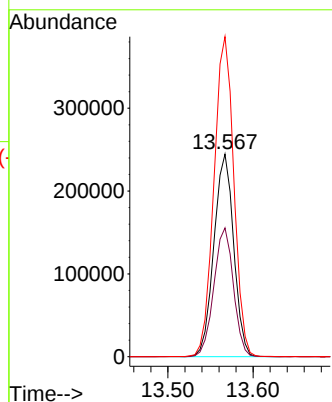
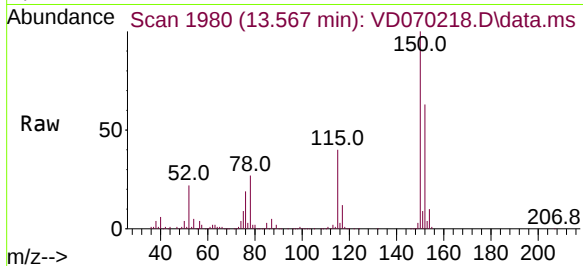




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD070218.D
Acq: 23 Aug 2021 13:29

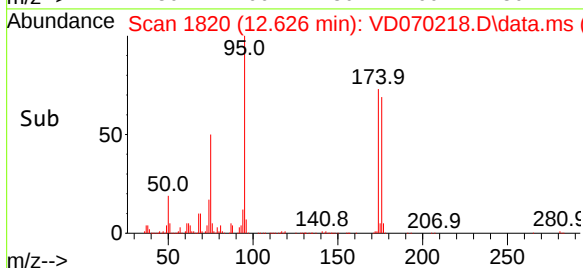
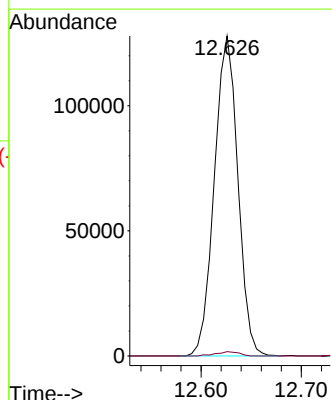
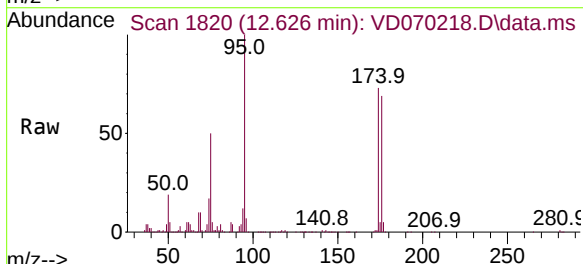
Instrument :
MSVOA_D
ClientSampleId :

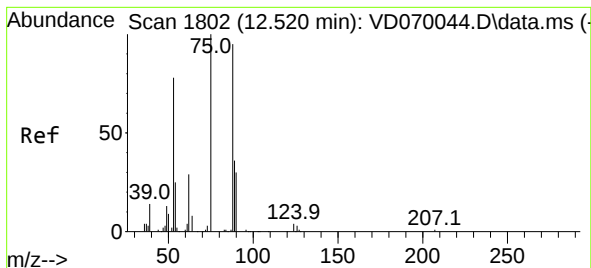
Tgt Ion:152 Resp: 393946
Ion Ratio Lower Upper
152 100
115 62.9 31.2 93.6
150 158.8 0.0 352.0



#76
1,2,3-Trichloropropane
Concen: 52.141 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD070218.D
Acq: 23 Aug 2021 13:29

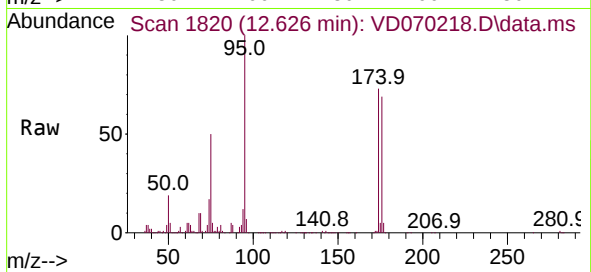
Tgt Ion: 75 Resp: 208310
Ion Ratio Lower Upper
75 100
77 1.3 182.4 547.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 135.338 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD070218.D
 Acq: 23 Aug 2021 13:29

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 208310
 Ion Ratio Lower Upper
 75 100
 53 0.1 64.5 96.7#
 89 0.0 33.7 50.5#

