

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD010522\
 Data File : VD071621.D
 Acq On : 05 Jan 2022 18:29
 Operator : VA/SY
 Sample : M5236-06
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 06 07:05:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 23 08:20:24 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

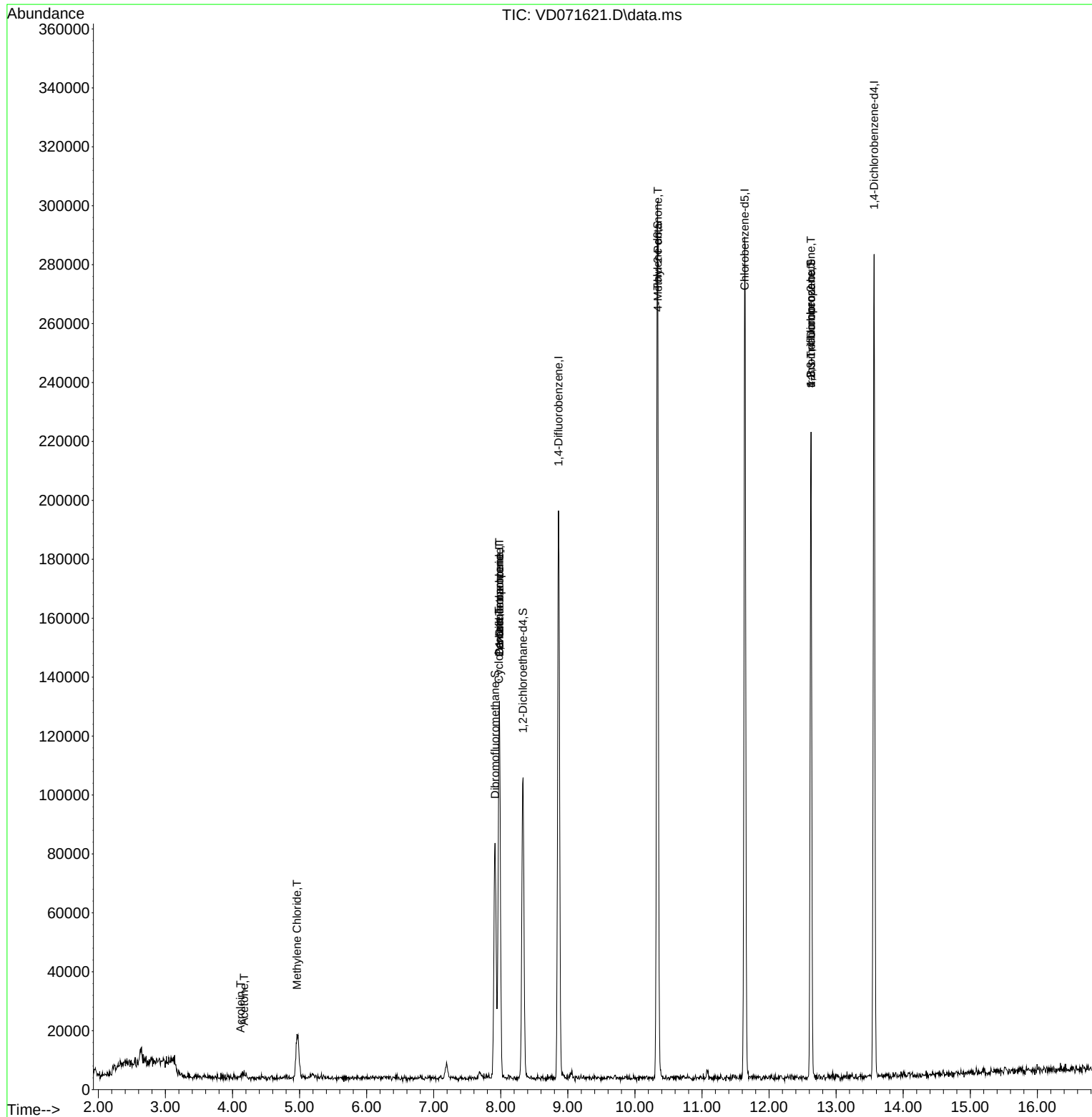
Internal Standards						
1) Pentafluorobenzene	7.979	168	88806	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	156536	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	149151	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	66361	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	84637	71.761	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 143.520%			
35) Dibromofluoromethane	7.914	113	56467	53.674	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.340%			
50) Toluene-d8	10.338	98	196299	49.375	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.740%			
62) 4-Bromofluorobenzene	12.626	95	65284	46.210	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 92.420%			
Target Compounds						
11) Tert butyl alcohol	5.167	59	701	Below Cal	#	71
13) Acrolein	4.120	56	75	1.316	ug/l #	13
16) Acetone	4.173	43	2414	8.149	ug/l #	54
20) Methylene Chloride	4.961	84	10194	2.744	ug/l #	87
31) Cyclohexane	7.973	56	2903	1.449	ug/l #	67
36) 1,1-Dichloropropene	7.979	75	8875	5.280	ug/l #	46
38) Carbon Tetrachloride	7.979	117	8863	5.345	ug/l #	16
51) 4-Methyl-2-Pentanone	10.344	43	1243	1.534	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	38246	48.505	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	38246	137.054	ug/l #	18

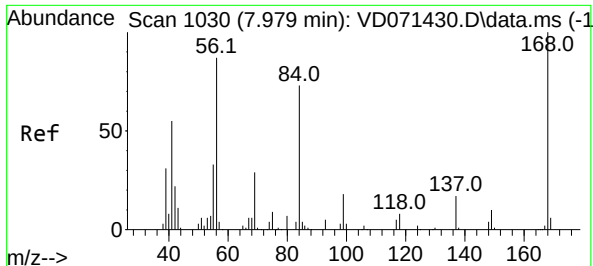
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

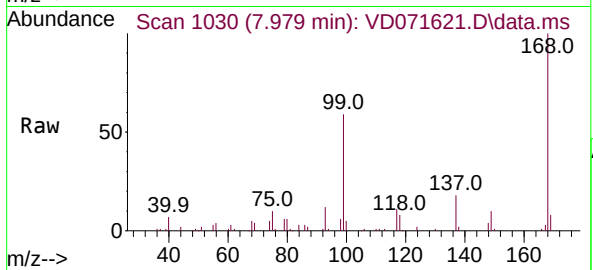
Quant Time: Jan 06 07:05:39 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 23 08:20:24 2021
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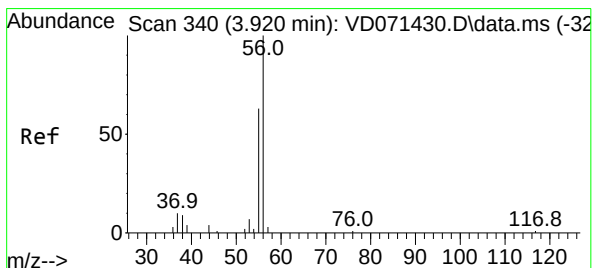
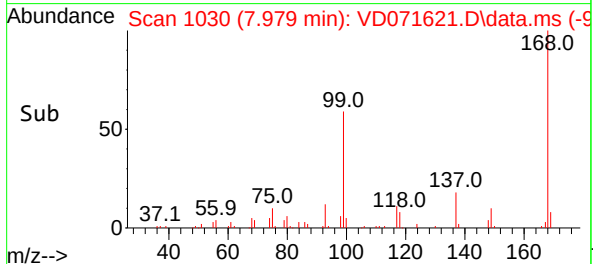
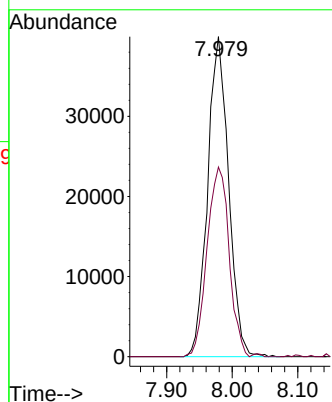


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VD071621.D
Acq: 05 Jan 2022 18:29

Instrument :
MSVOA_D
ClientSampleId :

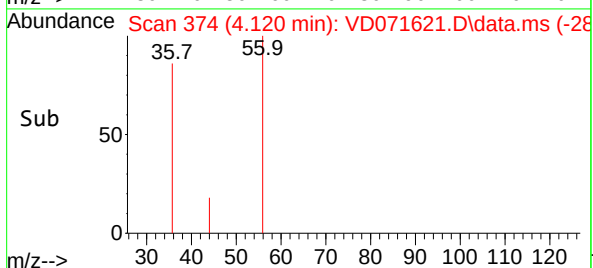
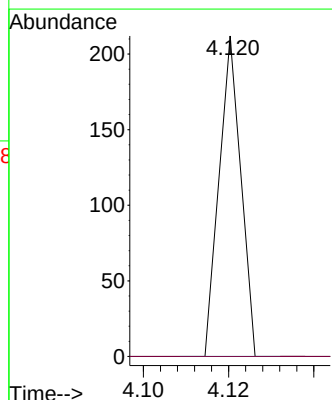
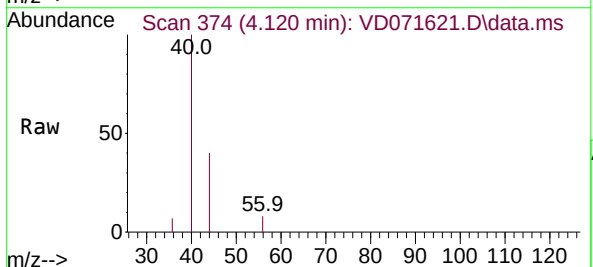


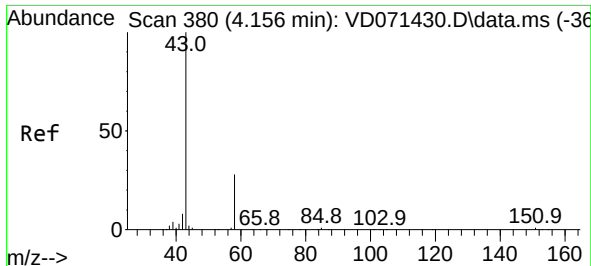
Tgt Ion:168 Resp: 88806
Ion Ratio Lower Upper
168 100
99 59.2 46.6 69.8



#13
Acrolein
Concen: 1.316 ug/l
RT: 4.120 min Scan# 374
Delta R.T. 0.206 min
Lab File: VD071621.D
Acq: 05 Jan 2022 18:29

Tgt Ion: 56 Resp: 75
Ion Ratio Lower Upper
56 100
55 0.0 58.6 87.8#





#16

Acetone

Concen: 8.149 ug/l

RT: 4.173 min Scan# 380

Delta R.T. 0.017 min

Lab File: VD071621.D

Acq: 05 Jan 2022 18:29

Instrument :

MSVOA_D

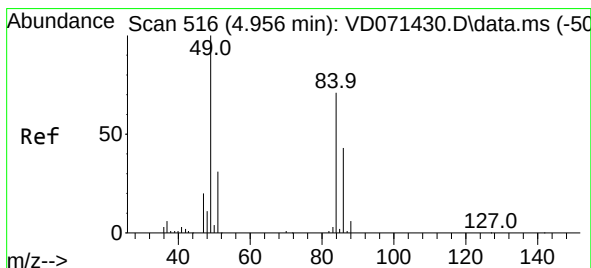
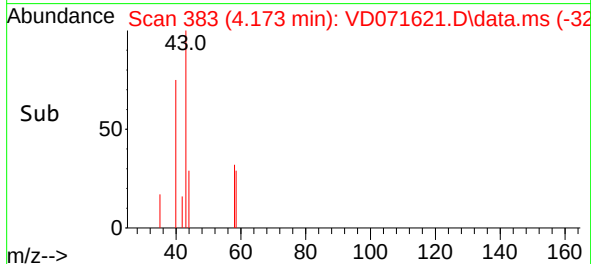
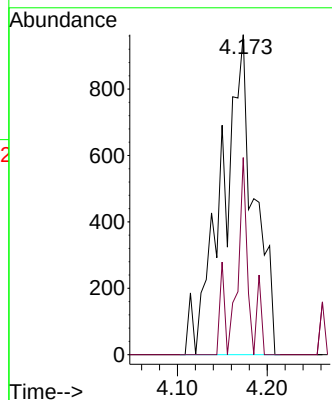
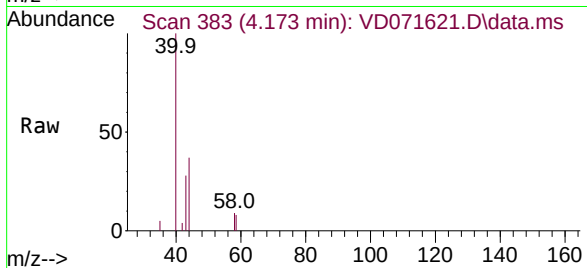
ClientSampleId :

Tgt Ion: 43 Resp: 2414

Ion Ratio Lower Upper

43 100

58 61.6 27.8 41.8#



#20

Methylene Chloride

Concen: 2.744 ug/l

RT: 4.961 min Scan# 517

Delta R.T. 0.000 min

Lab File: VD071621.D

Acq: 05 Jan 2022 18:29

Tgt Ion: 84 Resp: 10194

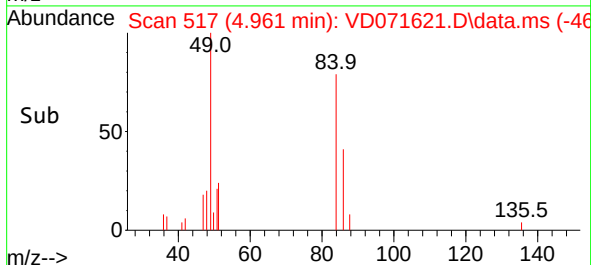
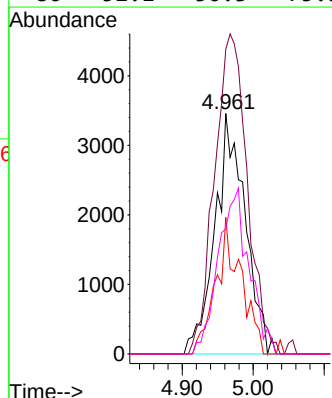
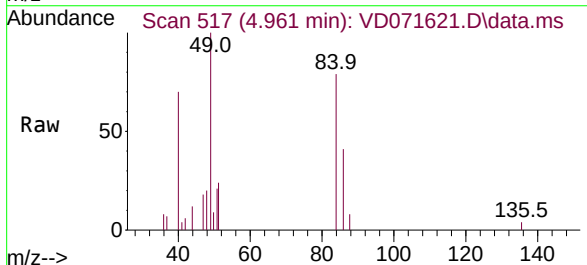
Ion Ratio Lower Upper

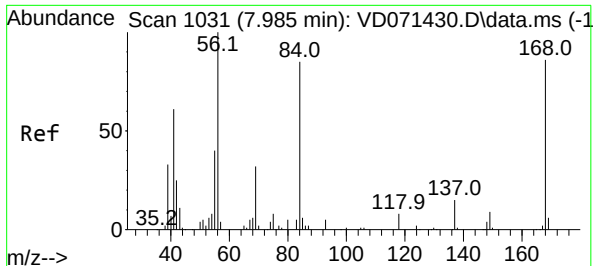
84 100

49 126.7 95.8 143.6

51 56.7 30.9 46.3#

86 52.1 50.3 75.5





#31

Cyclohexane

Concen: 1.449 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

Lab File: VD071621.D

Acq: 05 Jan 2022 18:29

Instrument :

MSVOA_D

ClientSampleId :

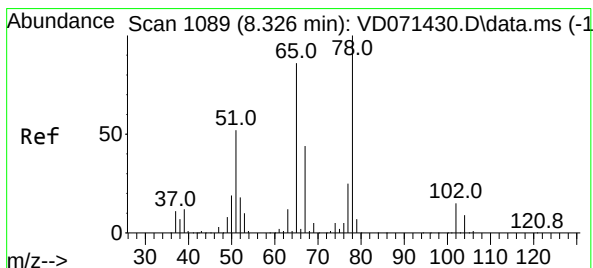
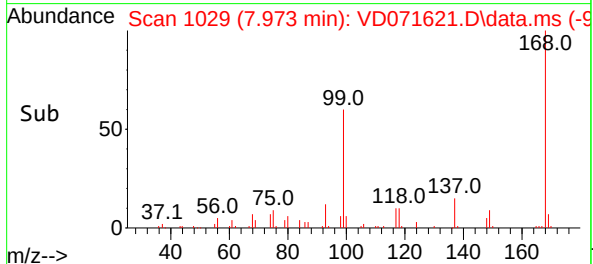
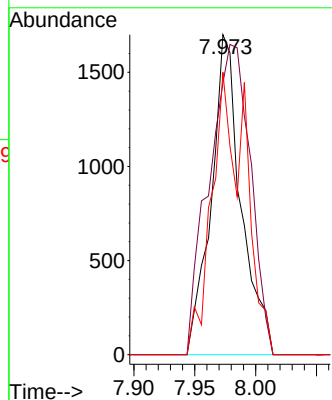
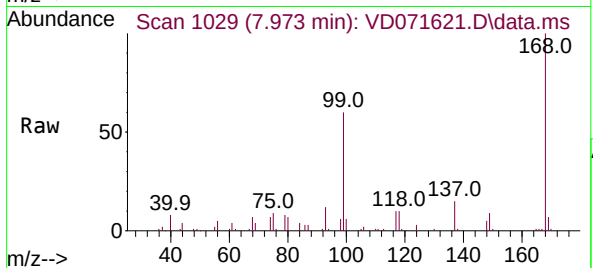
Tgt Ion: 56 Resp: 2903

Ion Ratio Lower Upper

56 100

69 84.9 25.9 38.9#

84 88.2 64.3 96.5



#33

1,2-Dichloroethane-d4

Concen: 71.761 ug/l

RT: 8.332 min Scan# 1090

Delta R.T. 0.006 min

Lab File: VD071621.D

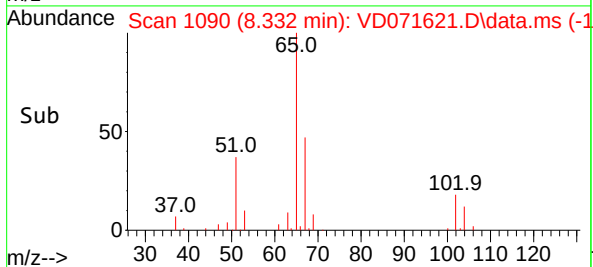
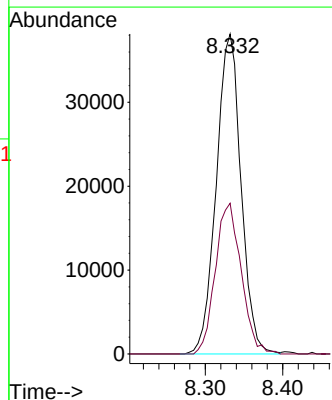
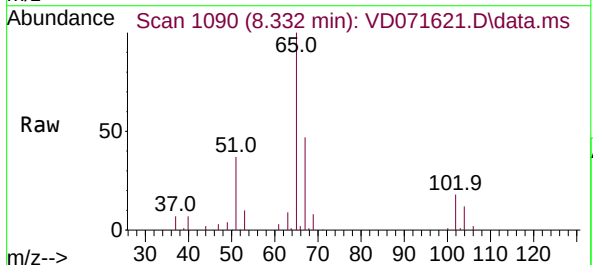
Acq: 05 Jan 2022 18:29

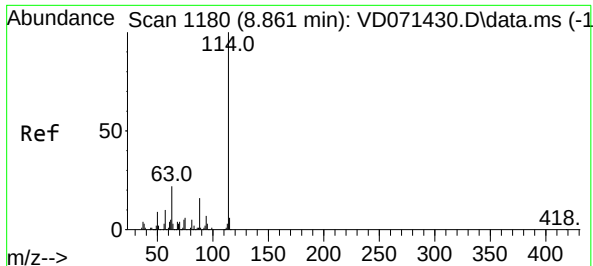
Tgt Ion: 65 Resp: 84637

Ion Ratio Lower Upper

65 100

67 49.3 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071621.D

Acq: 05 Jan 2022 18:29

Instrument :

MSVOA_D

ClientSampleId :

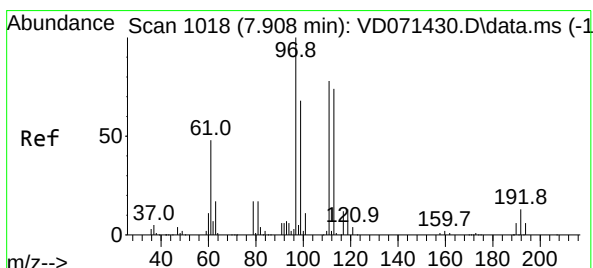
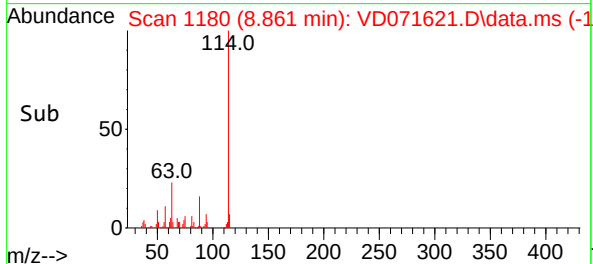
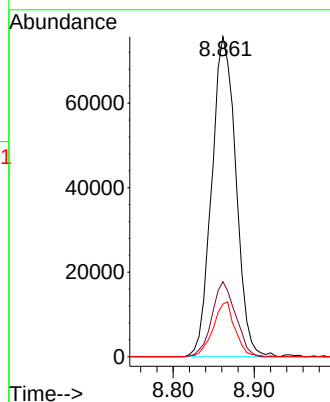
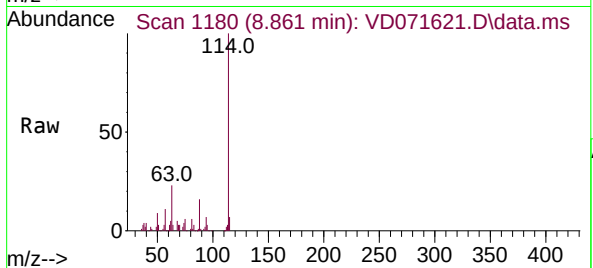
Tgt Ion:114 Resp: 156536

Ion Ratio Lower Upper

114 100

63 23.4 0.0 41.8

88 16.5 0.0 32.8



#35

Dibromofluoromethane

Concen: 53.674 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD071621.D

Acq: 05 Jan 2022 18:29

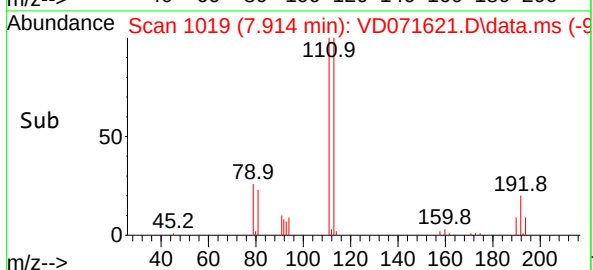
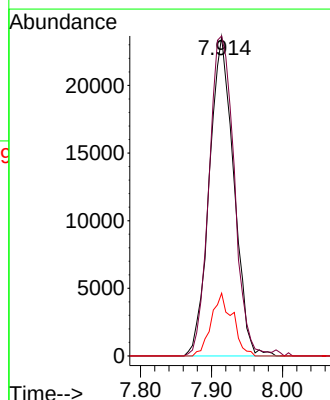
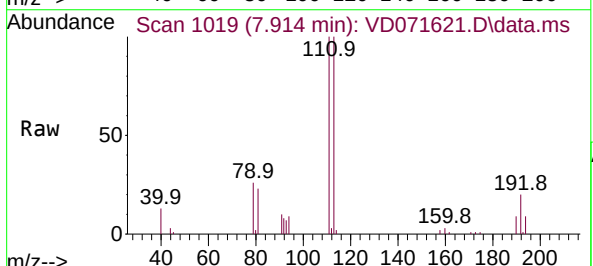
Tgt Ion:113 Resp: 56467

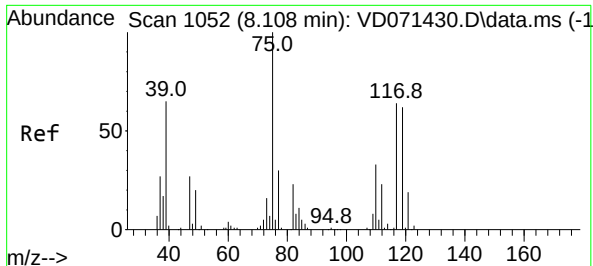
Ion Ratio Lower Upper

113 100

111 103.0 82.0 123.0

192 17.3 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.280 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

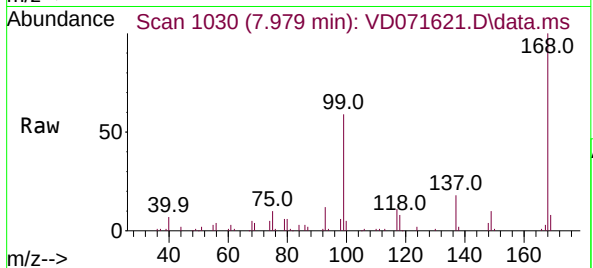
Lab File: VD071621.D

Acq: 05 Jan 2022 18:29

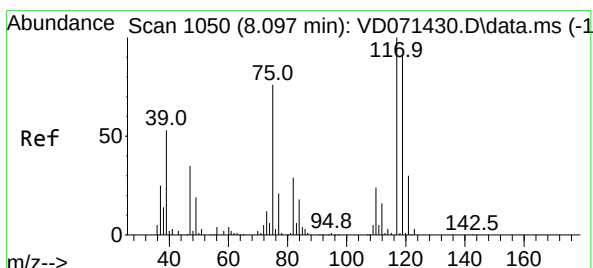
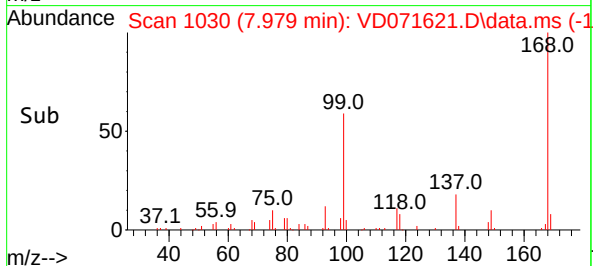
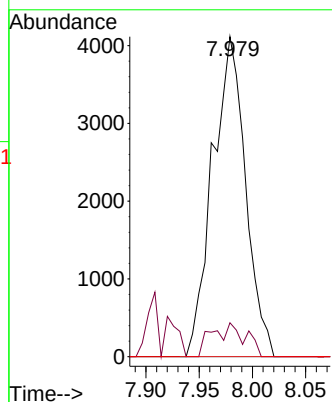
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 75	Resp: 8875
Ion Ratio	Lower Upper
75	100
110	4.7 17.8 53.4#
77	0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.345 ug/l

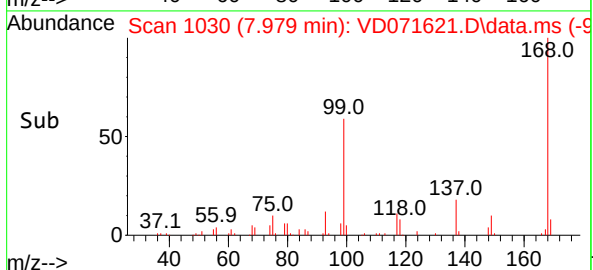
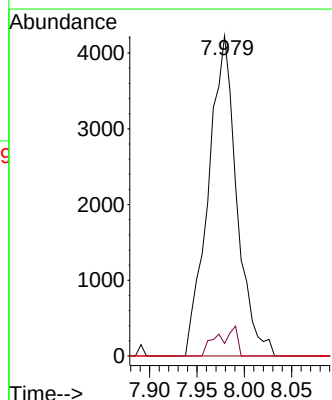
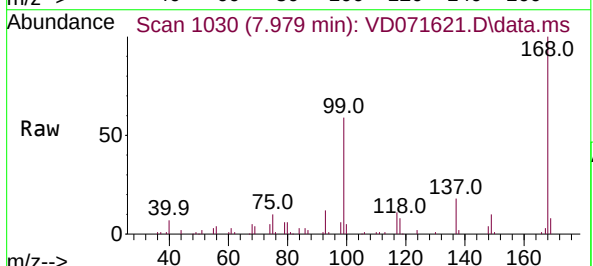
RT: 7.979 min Scan# 1030

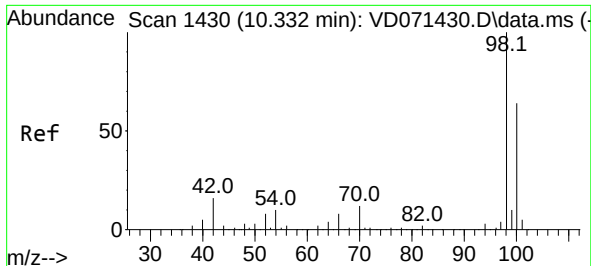
Delta R.T. -0.118 min

Lab File: VD071621.D

Acq: 05 Jan 2022 18:29

Tgt Ion: 117	Resp: 8863
Ion Ratio	Lower Upper
117	100
119	3.9 75.8 113.6#
121	0.0 23.6 35.4#

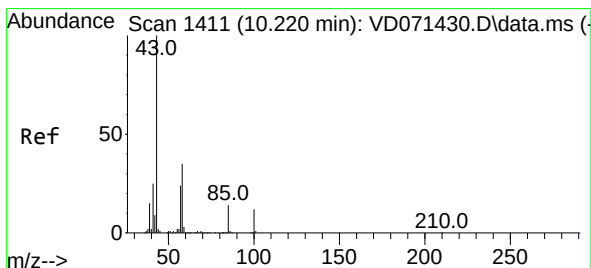
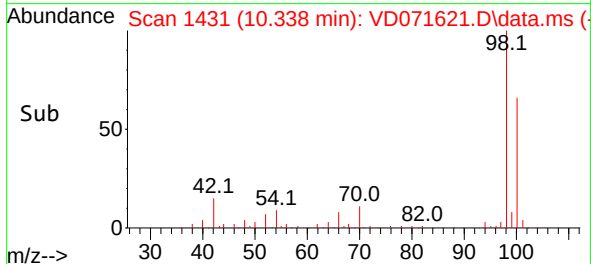
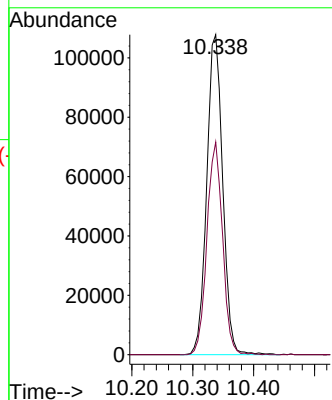
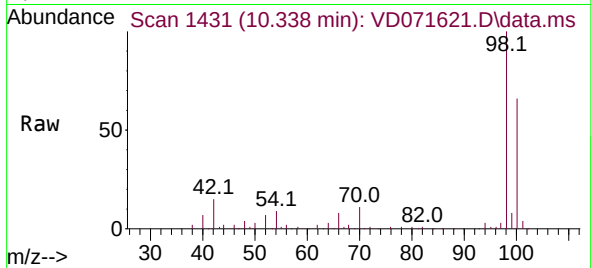




#50
Toluene-d8
Concen: 49.375 ug/l
RT: 10.338 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VD071621.D
Acq: 05 Jan 2022 18:29

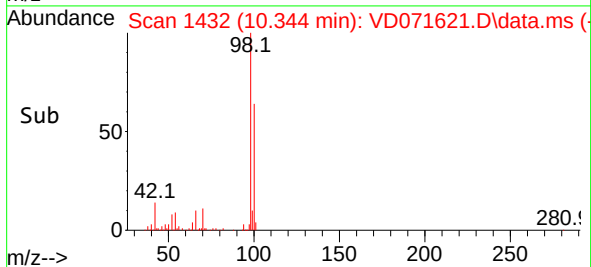
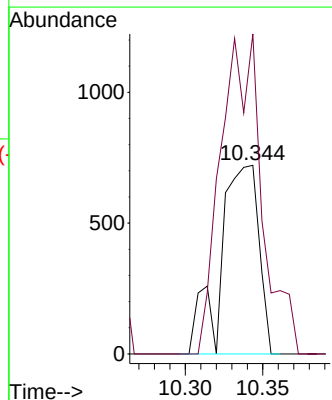
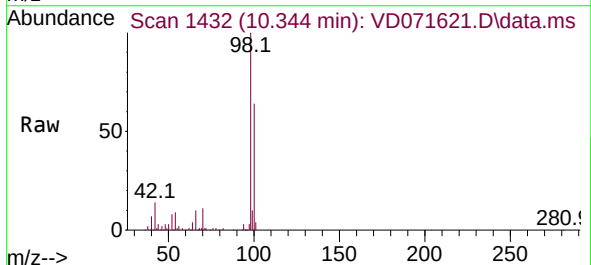
Instrument :
MSVOA_D
ClientSampleId :

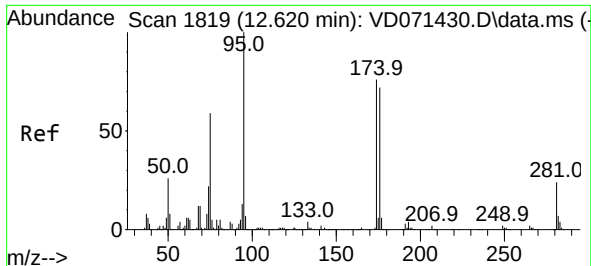
Tgt Ion: 98 Resp: 196299
Ion Ratio Lower Upper
98 100
100 65.1 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 1.534 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.124 min
Lab File: VD071621.D
Acq: 05 Jan 2022 18:29

Tgt Ion: 43 Resp: 1243
Ion Ratio Lower Upper
43 100
58 180.8 33.1 49.7#

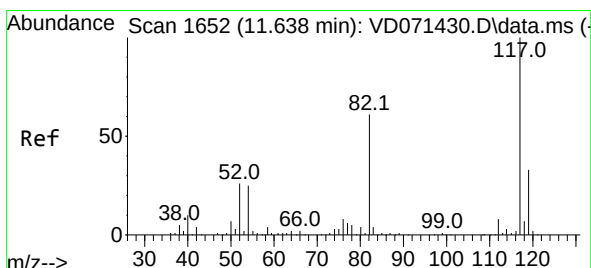
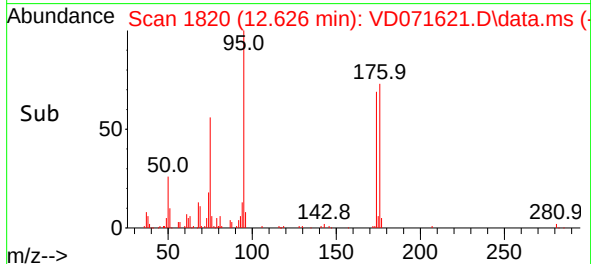
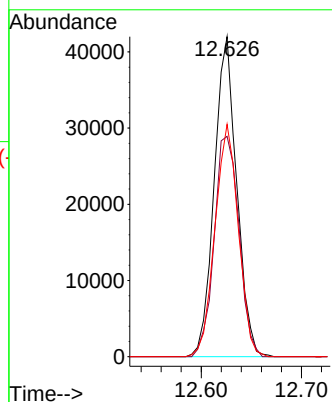
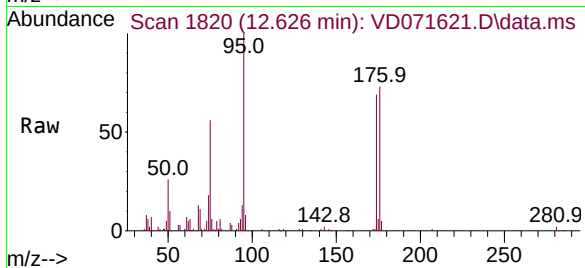




#62
4-Bromofluorobenzene
Concen: 46.210 ug/l
RT: 12.626 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD071621.D
Acq: 05 Jan 2022 18:29

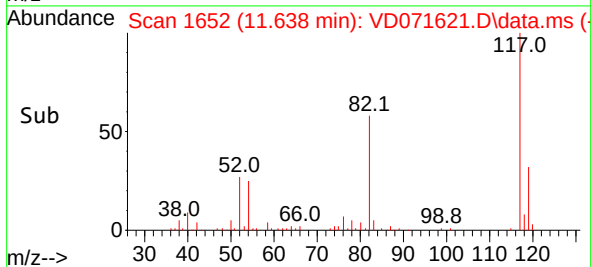
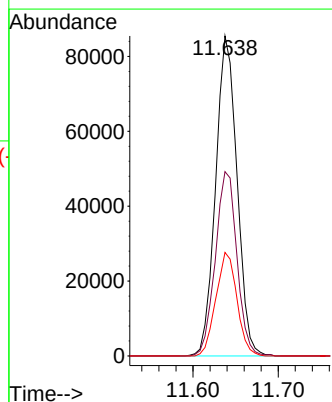
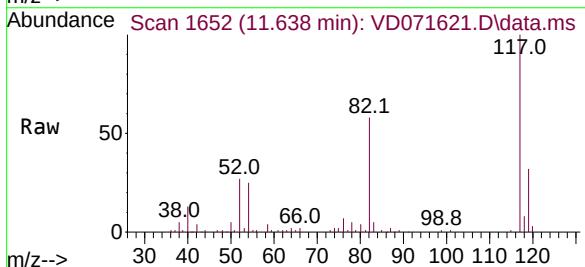
Instrument :
MSVOA_D
ClientSampleId :

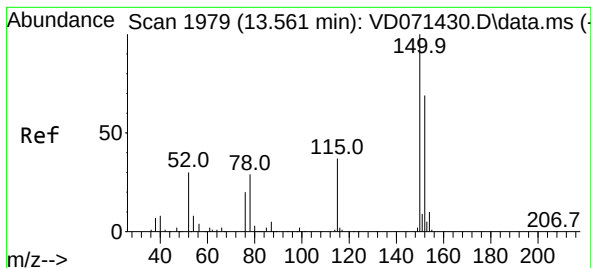
Tgt Ion: 95 Resp: 65284
Ion Ratio Lower Upper
95 100
174 75.9 0.0 159.4
176 75.5 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071621.D
Acq: 05 Jan 2022 18:29

Tgt Ion: 117 Resp: 149151
Ion Ratio Lower Upper
117 100
82 57.6 44.7 67.1
119 32.3 26.2 39.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.567 min Scan# 1979

Delta R.T. 0.006 min

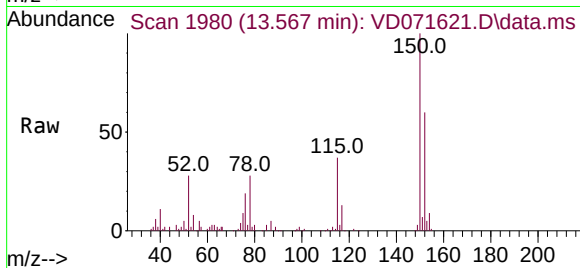
Lab File: VD071621.D

Acq: 05 Jan 2022 18:29

Instrument :

MSVOA_D

ClientSampleId :



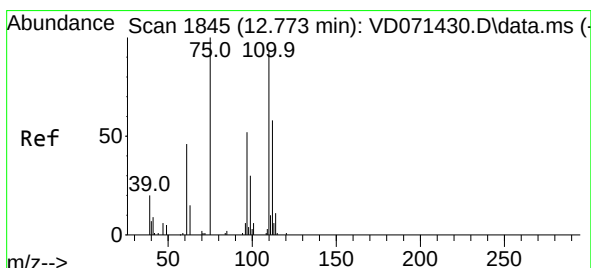
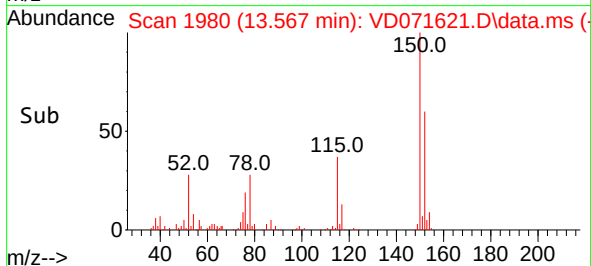
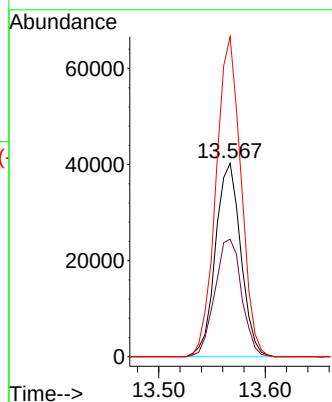
Tgt Ion:152 Resp: 66361

Ion Ratio Lower Upper

152 100

115 64.3 29.8 89.3

150 163.0 0.0 349.2



#76

1,2,3-Trichloropropane

Concen: 48.505 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. -0.147 min

Lab File: VD071621.D

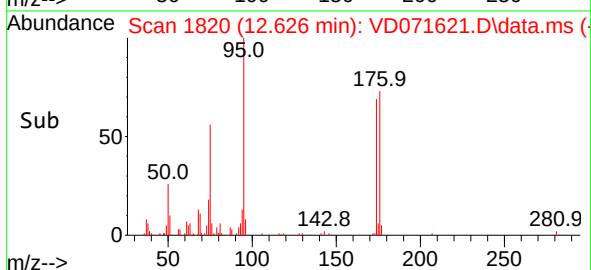
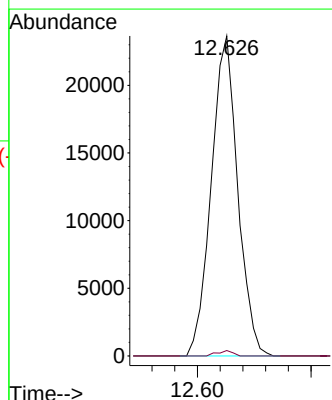
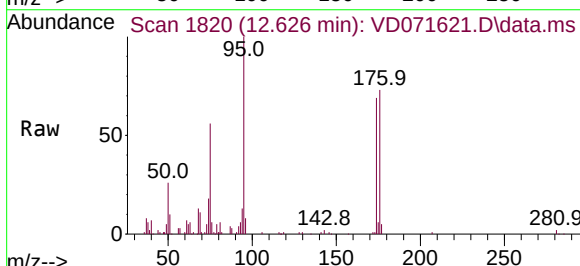
Acq: 05 Jan 2022 18:29

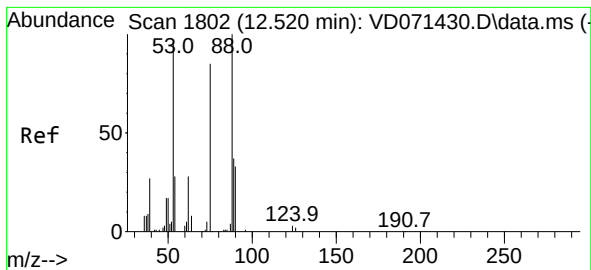
Tgt Ion: 75 Resp: 38246

Ion Ratio Lower Upper

75 100

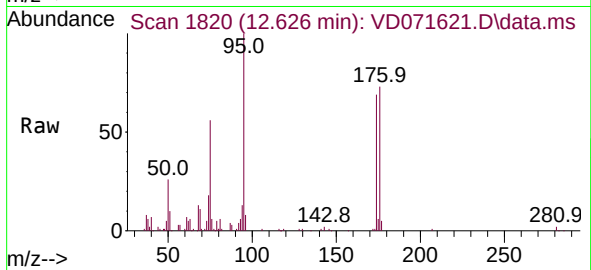
77 1.0 158.4 475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 137.054 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD071621.D
 Acq: 05 Jan 2022 18:29

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 38246
 Ion Ratio Lower Upper
 75 100
 53 0.0 62.6 94.0#
 89 0.3 34.5 51.7#

