

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031822\
 Data File : VD072291.D
 Acq On : 18 Mar 2022 15:47
 Operator : VA/SY
 Sample : N1943-06
 Misc : 8.59G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 DF1

Quant Time: Mar 19 05:25:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

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

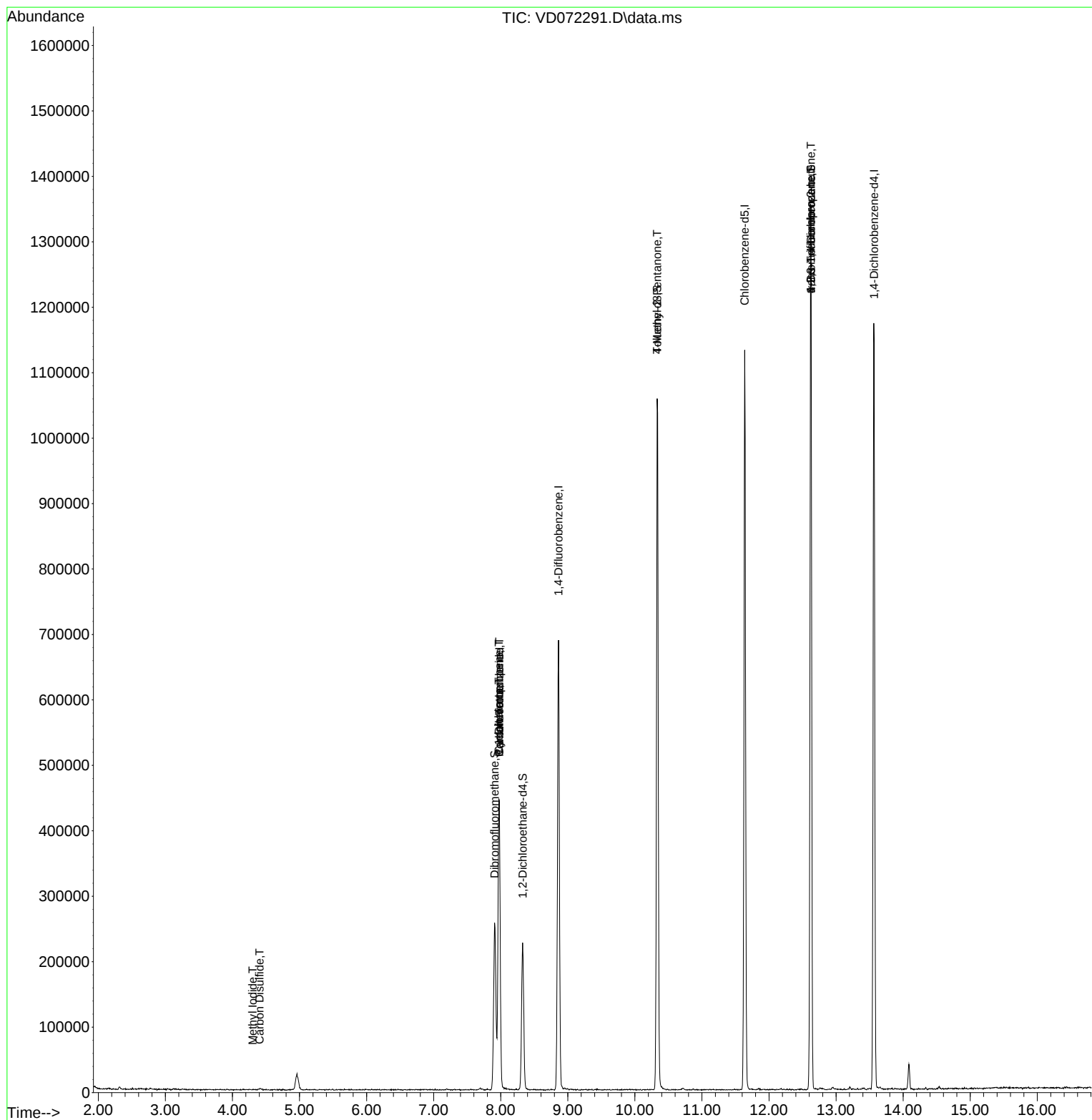
Internal Standards						
1) Pentafluorobenzene	7.979	168	324893	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	564876	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	613877	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	303999	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	182235	50.331	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.660%	
35) Dibromofluoromethane	7.908	113	183796	46.237	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 92.480%	
50) Toluene-d8	10.332	98	705618	48.546	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 97.100%	
62) 4-Bromofluorobenzene	12.626	95	309339	54.773	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 109.540%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.303	142	588	2.396	ug/l #	38
17) Carbon Disulfide	4.403	76	3803	2.030	ug/l #	92
20) Methylene Chloride	4.962	84	17895	Below Cal		92
31) Cyclohexane	7.973	56	7402	1.308	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	27912	5.005	ug/l #	51
38) Carbon Tetrachloride	7.979	117	33941	5.354	ug/l #	16
51) 4-Methyl-2-Pentanone	10.332	43	3296	1.324	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	166811	49.744	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	166811	123.420	ug/l #	8

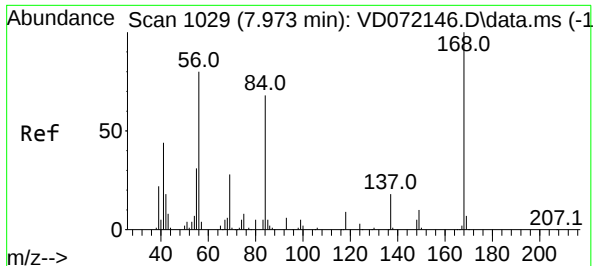
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Mar 14 05:18:06 2022
Response via : Initial Calibration

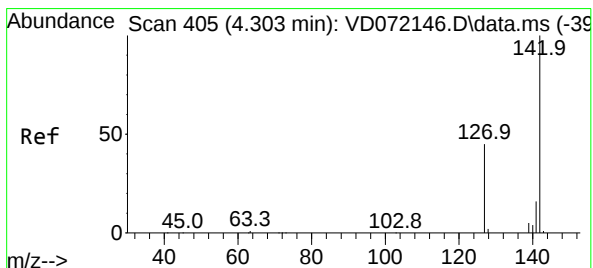
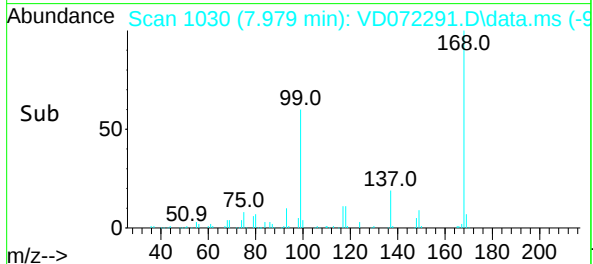
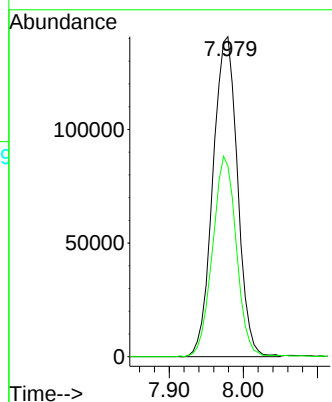
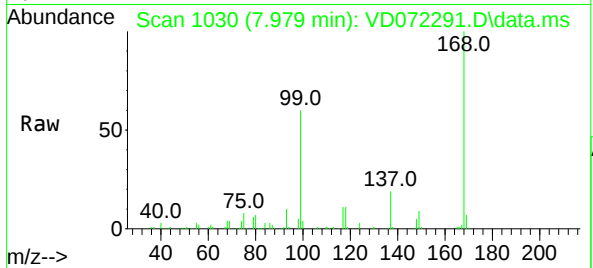




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1029
Delta R.T. 0.006 min
Lab File: VD072291.D
Acq: 18 Mar 2022 15:47

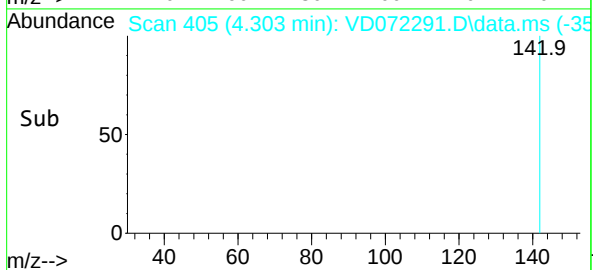
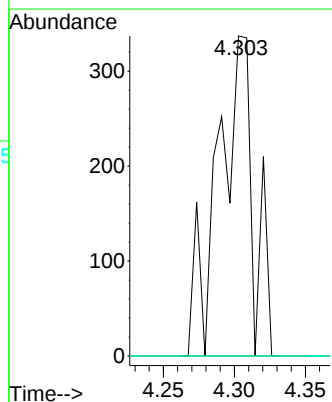
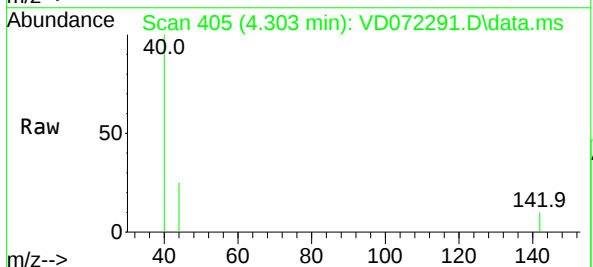
Instrument :
MSVOA_D
ClientSampleId :
DF1

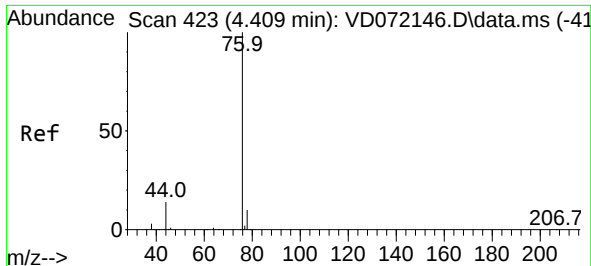
Tgt Ion:168 Resp: 324893
Ion Ratio Lower Upper
168 100
99 59.3 49.8 74.6



#10
Methyl Iodide
Concen: 2.396 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD072291.D
Acq: 18 Mar 2022 15:47

Tgt Ion:142 Resp: 588
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 0.0 11.7 17.5#

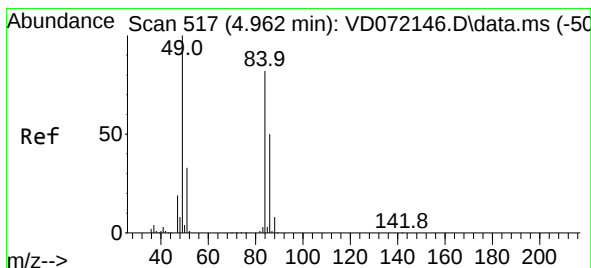
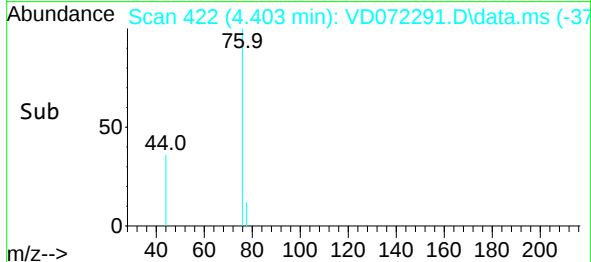
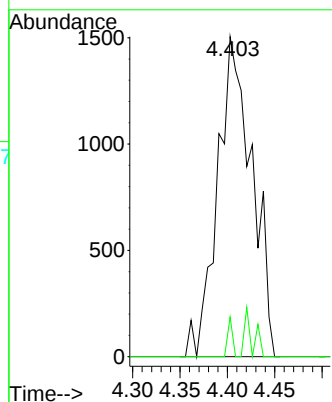
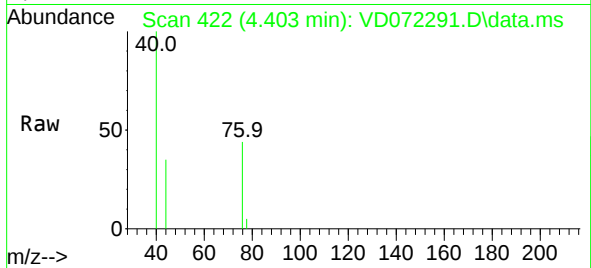




#17
Carbon Disulfide
Concen: 2.030 ug/l
RT: 4.403 min Scan# 41
Delta R.T. -0.006 min
Lab File: VD072291.D
Acq: 18 Mar 2022 15:47

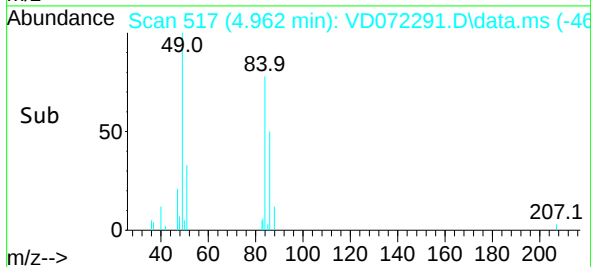
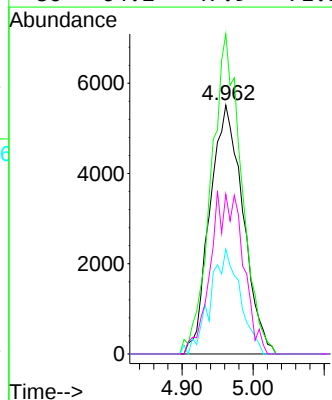
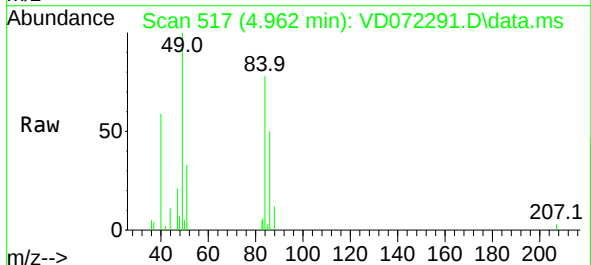
Instrument :
MSVOA_D
ClientSampleId :
DF1

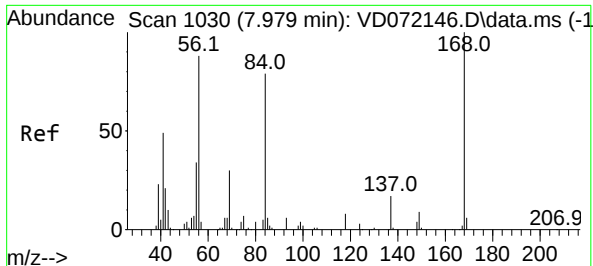
Tgt Ion: 76 Resp: 3803
Ion Ratio Lower Upper
76 100
78 12.4 7.5 11.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD072291.D
Acq: 18 Mar 2022 15:47

Tgt Ion: 84 Resp: 17895
Ion Ratio Lower Upper
84 100
49 128.6 112.8 169.2
51 42.1 32.6 48.8
86 64.2 47.9 71.9





#31

Cyclohexane

Concen: 1.308 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD072291.D

Acq: 18 Mar 2022 15:47

Instrument :

MSVOA_D

ClientSampleId :

DF1

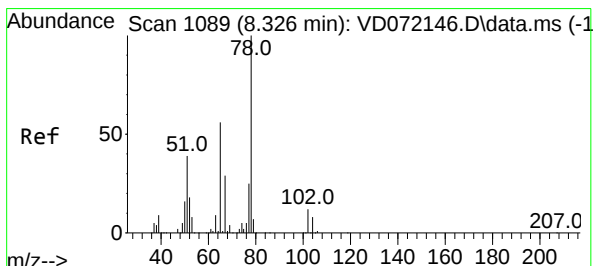
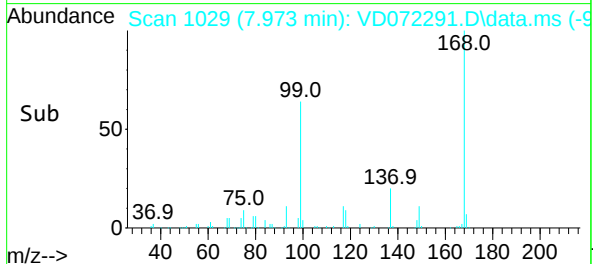
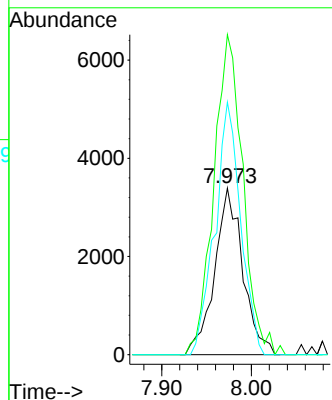
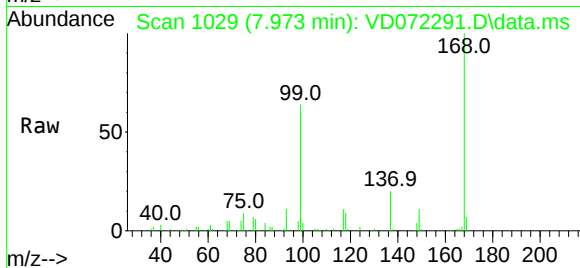
Tgt Ion: 56 Resp: 7402

Ion Ratio Lower Upper

56 100

69 192.0 25.4 38.2#

84 151.6 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 50.331 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072291.D

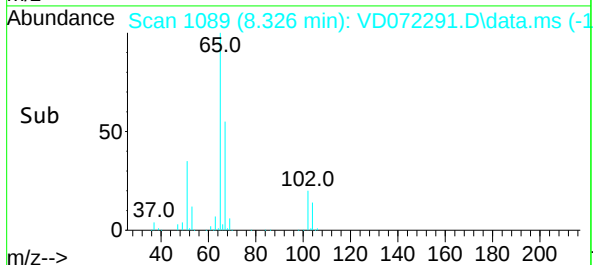
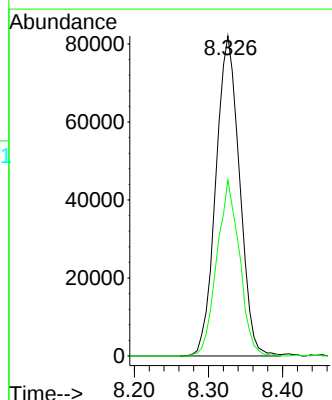
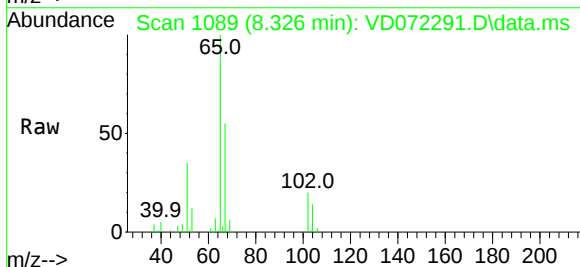
Acq: 18 Mar 2022 15:47

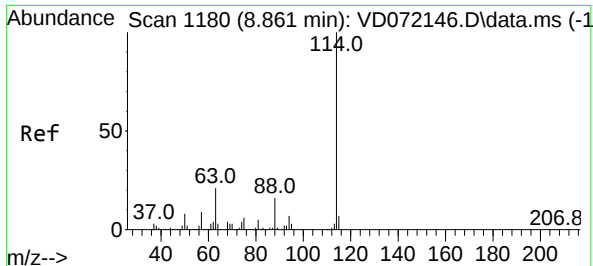
Tgt Ion: 65 Resp: 182235

Ion Ratio Lower Upper

65 100

67 52.6 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072291.D

Acq: 18 Mar 2022 15:47

Instrument :

MSVOA_D

ClientSampleId :

DF1

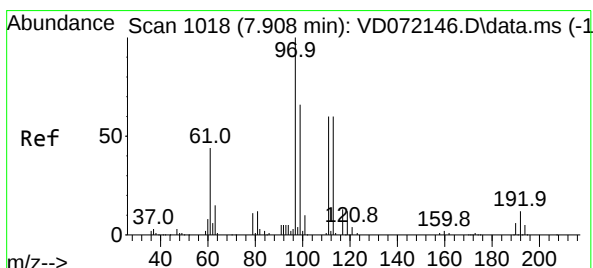
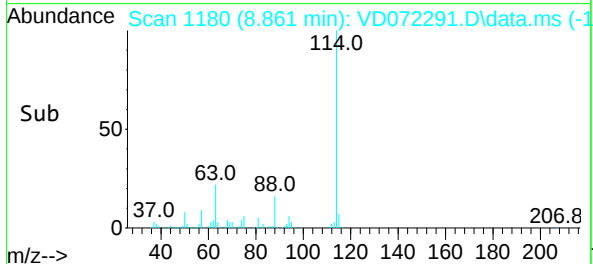
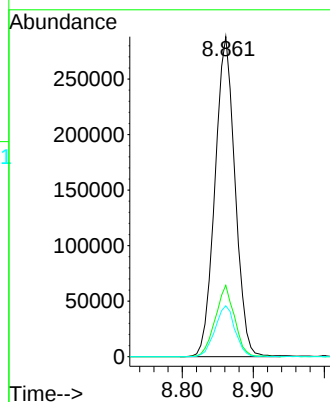
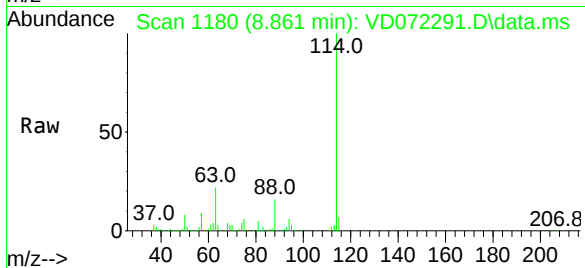
Tgt Ion:114 Resp: 564876

Ion Ratio Lower Upper

114 100

63 22.3 0.0 46.6

88 15.9 0.0 33.2



#35

Dibromofluoromethane

Concen: 46.237 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD072291.D

Acq: 18 Mar 2022 15:47

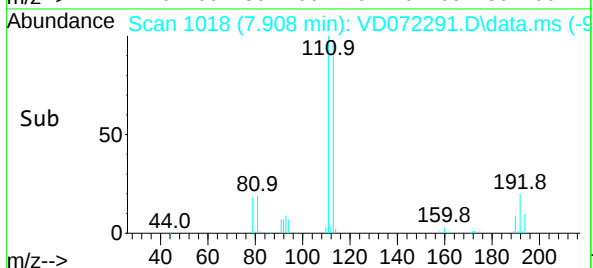
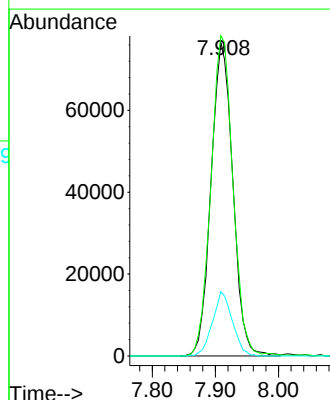
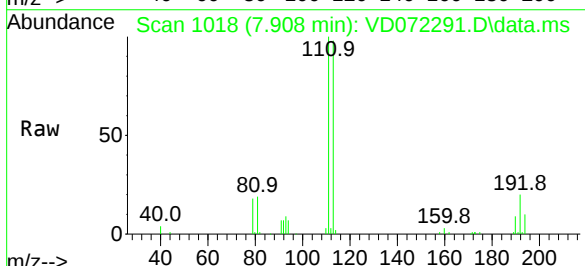
Tgt Ion:113 Resp: 183796

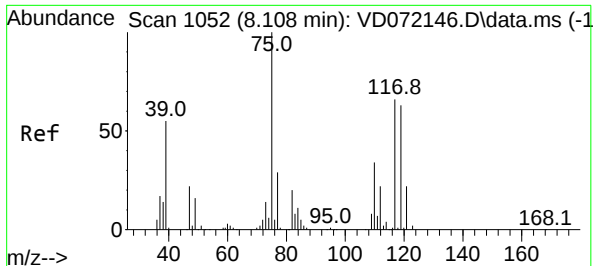
Ion Ratio Lower Upper

113 100

111 103.4 83.8 125.6

192 18.7 14.6 21.8





#36

1,1-Dichloropropene

Concen: 5.005 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD072291.D

Acq: 18 Mar 2022 15:47

Instrument :

MSVOA_D

ClientSampleId :

DF1

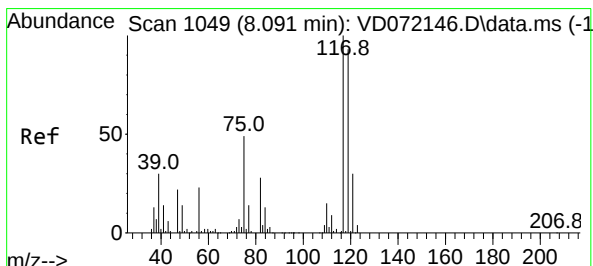
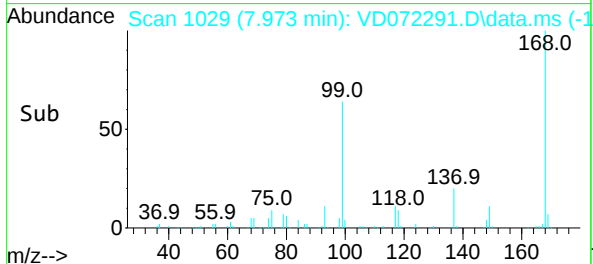
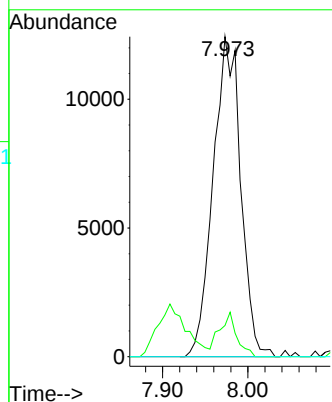
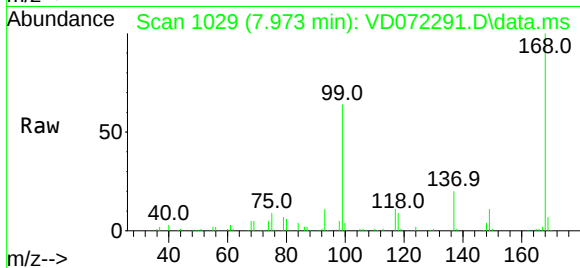
Tgt Ion: 75 Resp: 27912

Ion Ratio Lower Upper

75 100

110 8.7 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.354 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.112 min

Lab File: VD072291.D

Acq: 18 Mar 2022 15:47

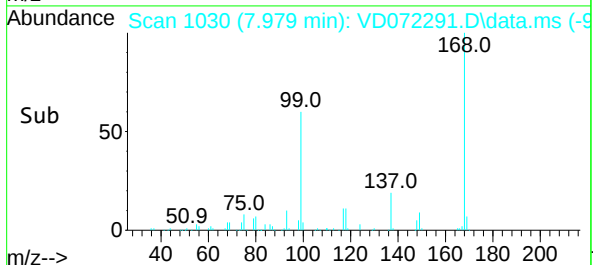
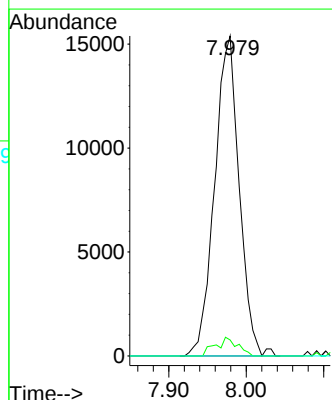
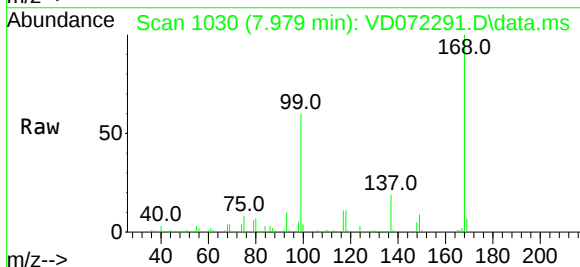
Tgt Ion: 117 Resp: 33941

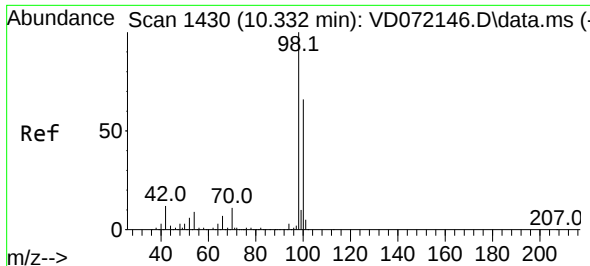
Ion Ratio Lower Upper

117 100

119 5.0 75.8 113.6#

121 0.0 24.5 36.7#

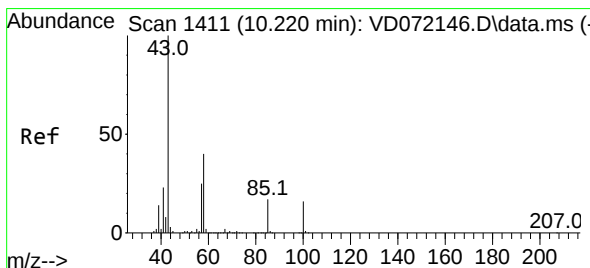
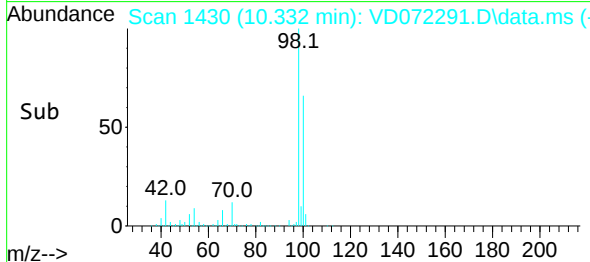
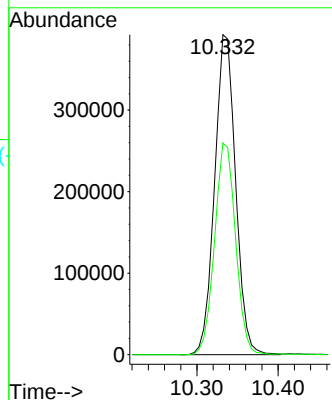
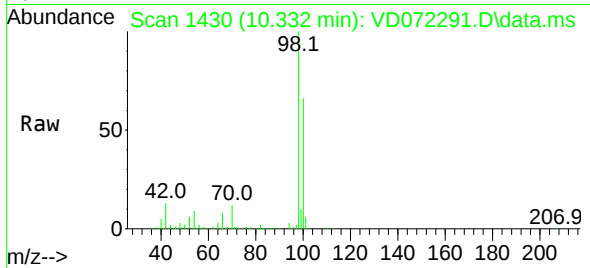




#50
Toluene-d8
Concen: 48.546 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD072291.D
Acq: 18 Mar 2022 15:47

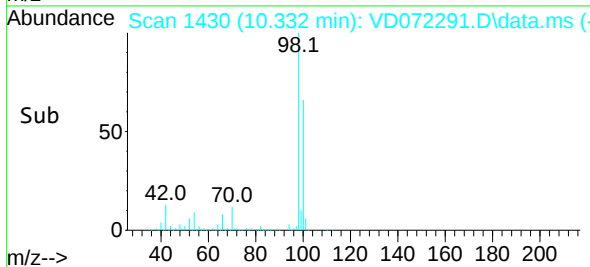
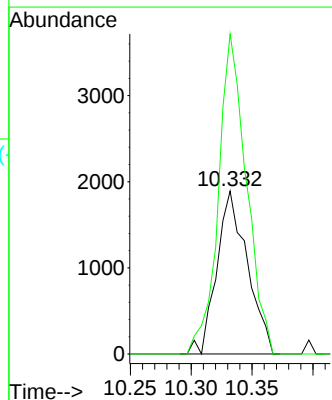
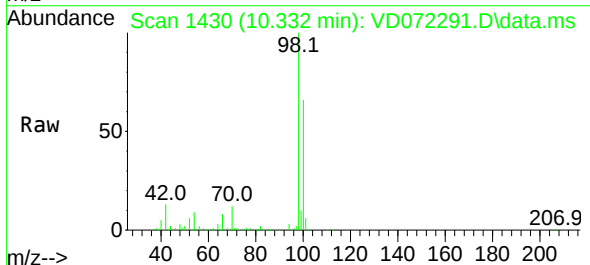
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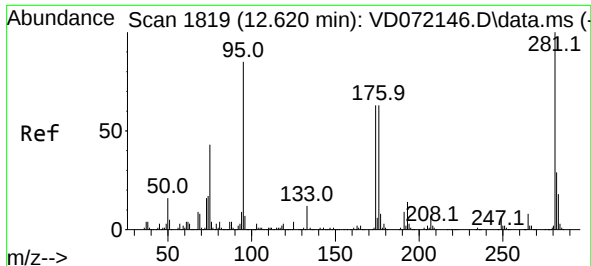
Tgt Ion: 98 Resp: 705618
Ion Ratio Lower Upper
98 100
100 66.3 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.324 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.112 min
Lab File: VD072291.D
Acq: 18 Mar 2022 15:47

Tgt Ion: 43 Resp: 3296
Ion Ratio Lower Upper
43 100
58 180.9 28.6 43.0#





#62

4-Bromofluorobenzene

Concen: 54.773 ug/l

RT: 12.626 min Scan# 1819

Delta R.T. 0.006 min

Lab File: VD072291.D

Acq: 18 Mar 2022 15:47

Instrument :

MSVOA_D

ClientSampleId :

DF1

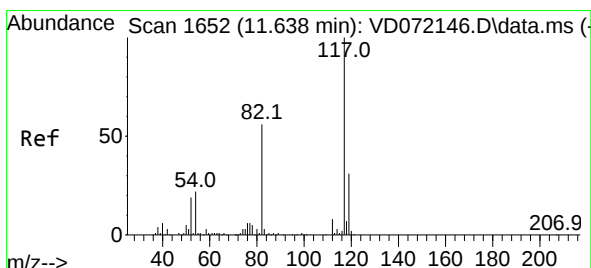
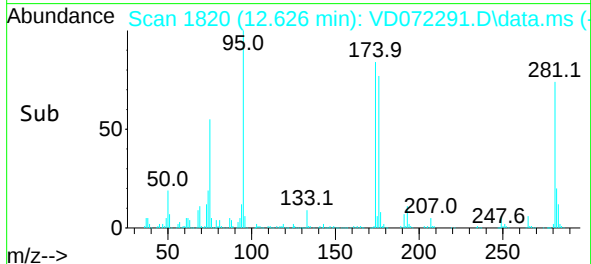
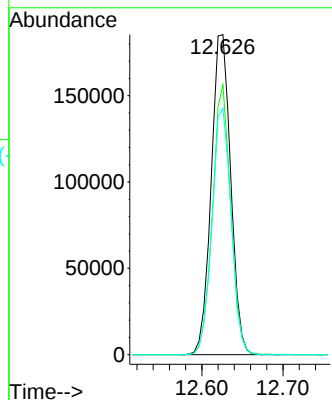
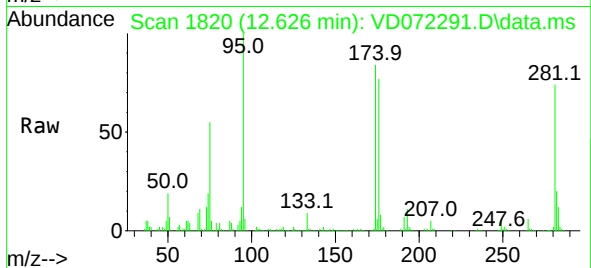
Tgt Ion: 95 Resp: 309339

Ion Ratio Lower Upper

95 100

174 79.0 0.0 152.8

176 75.4 0.0 145.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.638 min Scan# 1652

Delta R.T. 0.000 min

Lab File: VD072291.D

Acq: 18 Mar 2022 15:47

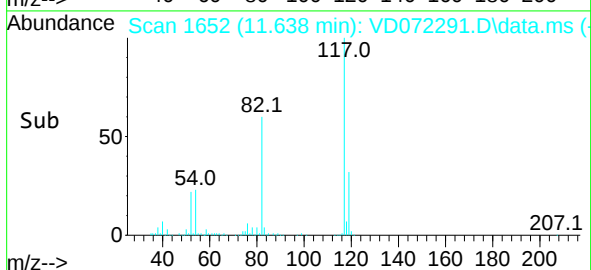
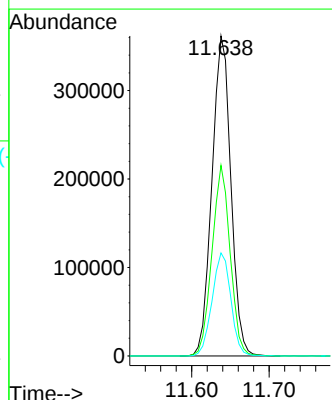
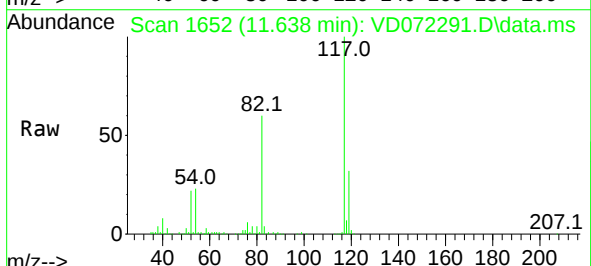
Tgt Ion: 117 Resp: 613877

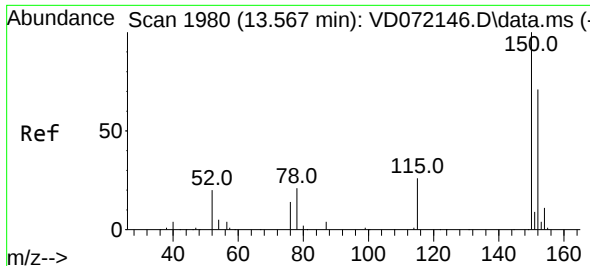
Ion Ratio Lower Upper

117 100

82 59.6 45.3 67.9

119 32.2 26.6 40.0

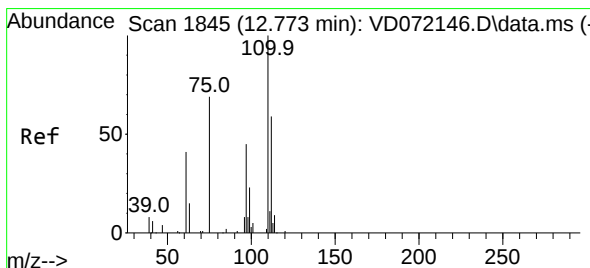
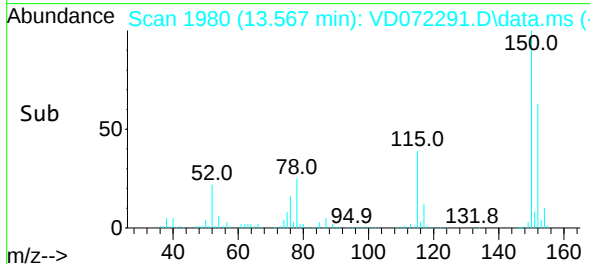
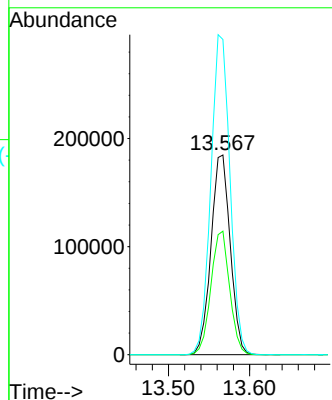
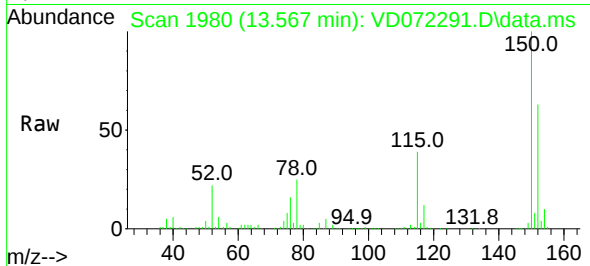




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD072291.D
Acq: 18 Mar 2022 15:47

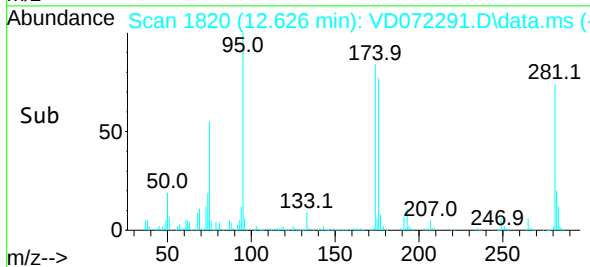
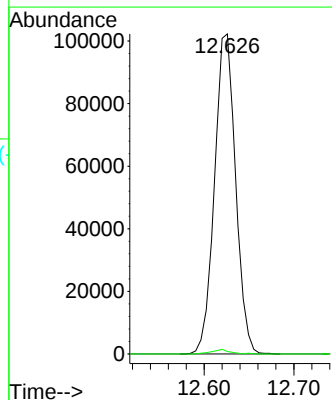
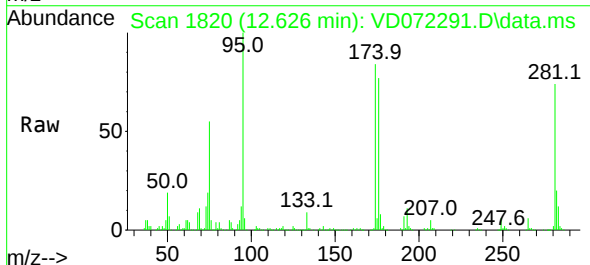
Instrument :
MSVOA_D
ClientSampleId :
DF1

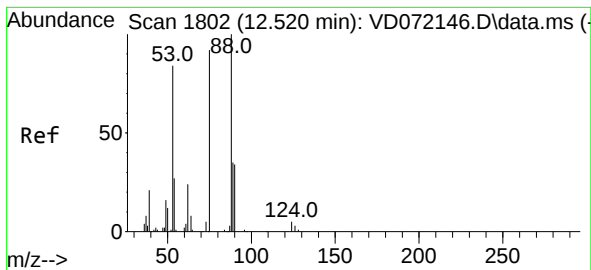
Tgt Ion:152 Resp: 303999
Ion Ratio Lower Upper
152 100
115 60.3 31.3 93.8
150 159.4 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 49.744 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072291.D
Acq: 18 Mar 2022 15:47

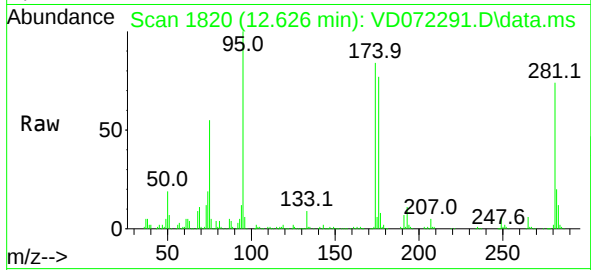
Tgt Ion: 75 Resp: 166811
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 123.420 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD072291.D
 Acq: 18 Mar 2022 15:47

Instrument :
 MSVOA_D
 ClientSampleId :
 DF1



Tgt Ion: 75 Resp: 166811
 Ion Ratio Lower Upper
 75 100
 53 0.1 86.5 129.7#
 89 1.4 33.9 50.9#

