

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050422\
 Data File : VD072796.D
 Acq On : 04 May 2022 18:47
 Operator : VA/SY
 Sample : N2677-11
 Misc : 6.87G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-7,6

Quant Time: May 05 01:38:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

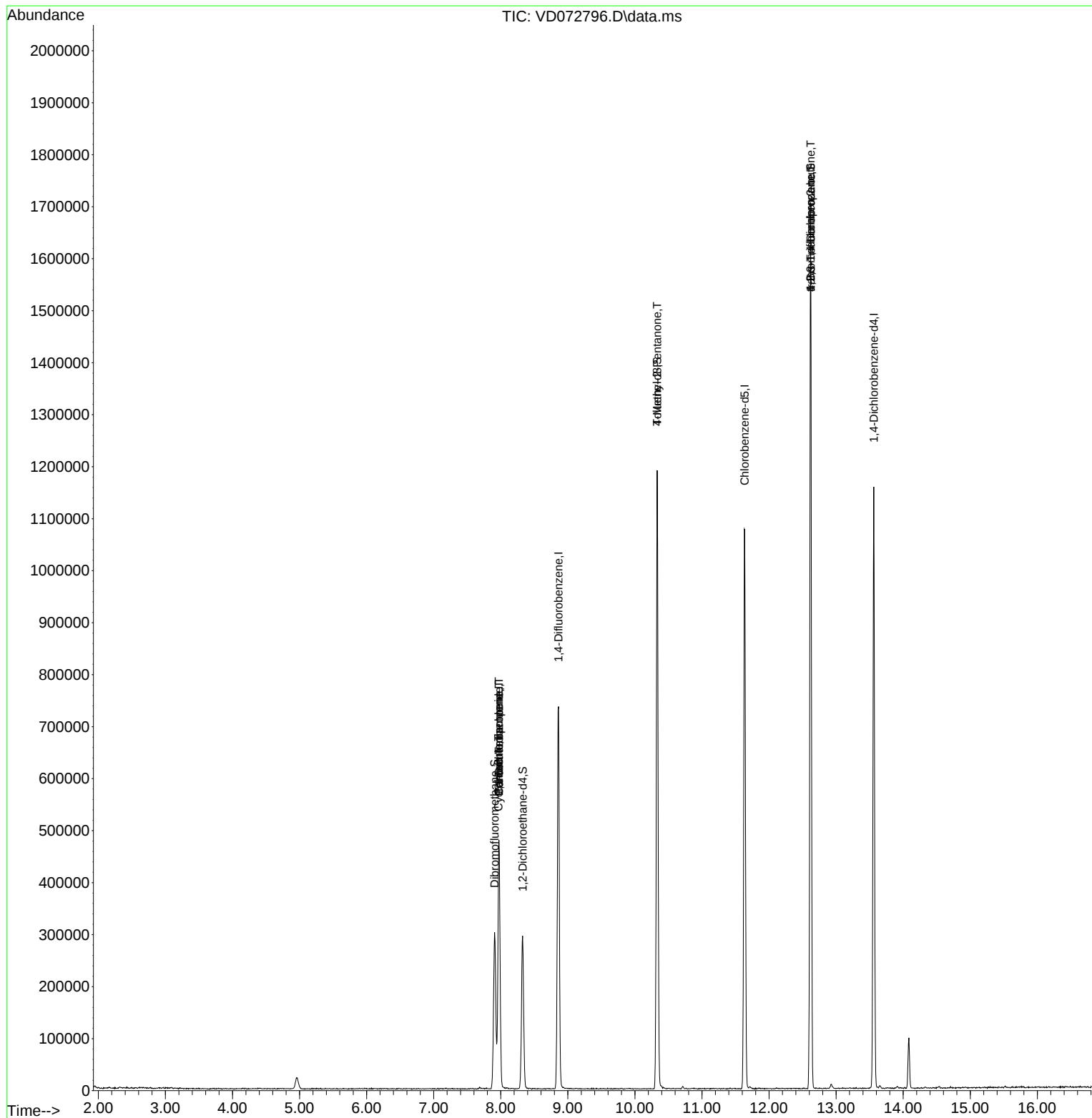
Internal Standards						
1) Pentafluorobenzene	7.973	168	339975	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	628453	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	633195	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	293849	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	232822	52.757	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.520%			
35) Dibromofluoromethane	7.908	113	219651	49.766	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.540%			
50) Toluene-d8	10.332	98	776893	49.070	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 98.140%			
62) 4-Bromofluorobenzene	12.620	95	309839	52.484	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.960%			
Target Compounds						
5) Bromomethane	2.779	94	644	Below Cal	#	80
16) Acetone	4.150	43	741	Below Cal	#	63
18) Methyl Acetate	4.973	43	72	Below Cal	#	55
20) Methylene Chloride	4.956	84	16710	Below Cal	#	84
31) Cyclohexane	7.967	56	7846	1.017	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	29113	4.057	ug/l #	52
38) Carbon Tetrachloride	7.973	117	36782	4.937	ug/l #	16
51) 4-Methyl-2-Pentanone	10.332	43	3375	1.067	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	166843	50.919	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	166843	117.094	ug/l #	8

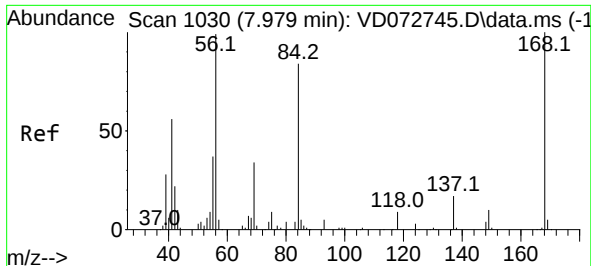
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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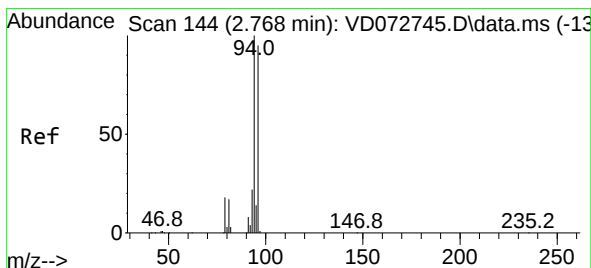
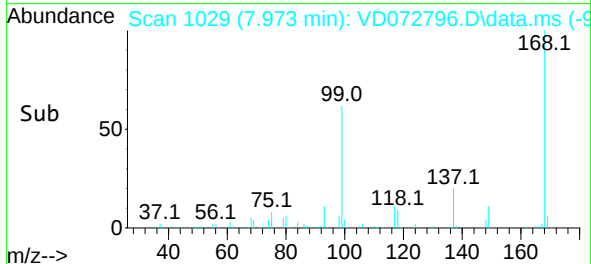
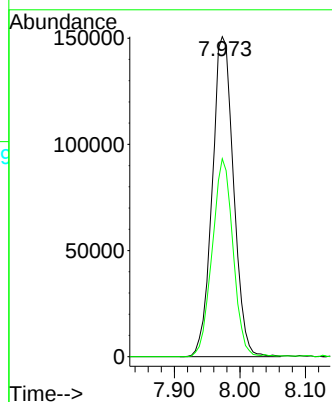
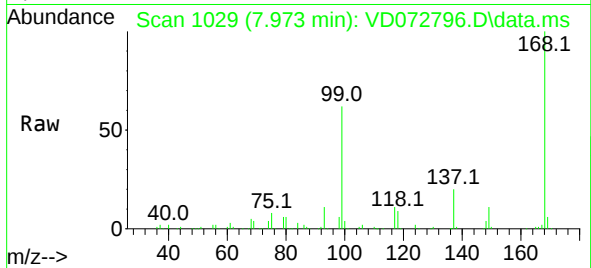




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072796.D
Acq: 04 May 2022 18:47

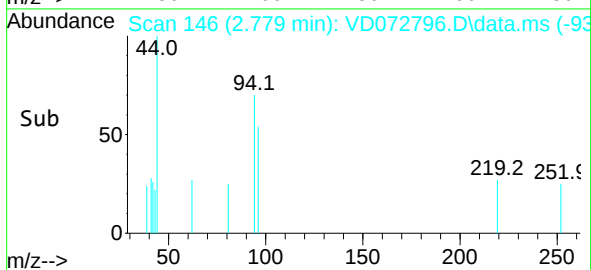
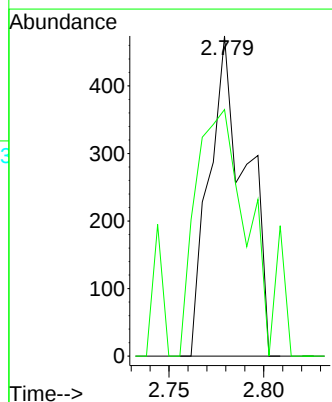
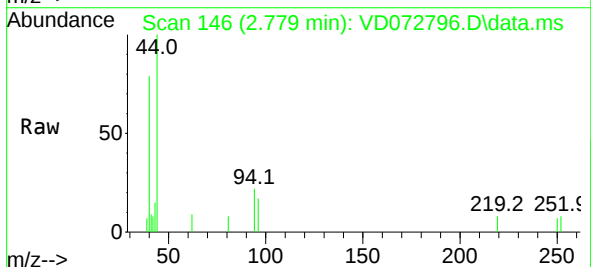
Instrument :
MSVOA_D
ClientSampleId :
SB-7,6

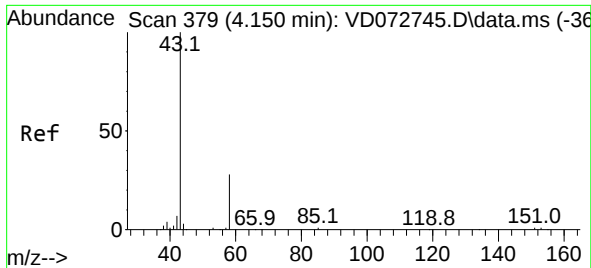
Tgt Ion:168 Resp: 339975
Ion Ratio Lower Upper
168 100
99 61.9 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.779 min Scan# 146
Delta R.T. 0.011 min
Lab File: VD072796.D
Acq: 04 May 2022 18:47

Tgt Ion: 94 Resp: 644
Ion Ratio Lower Upper
94 100
96 77.0 77.6 116.4#

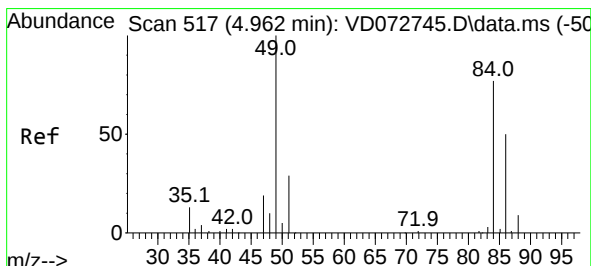
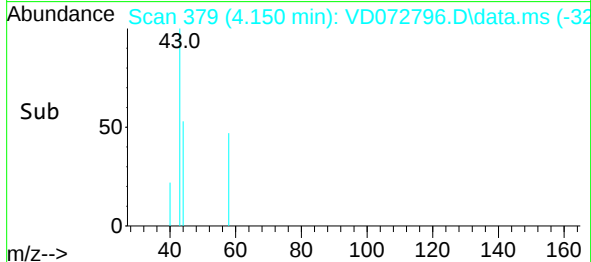
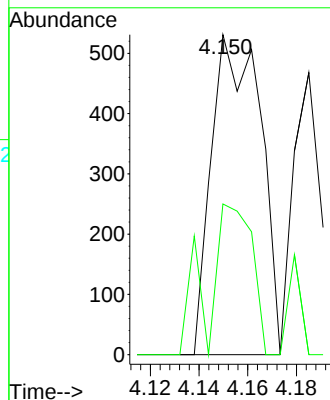
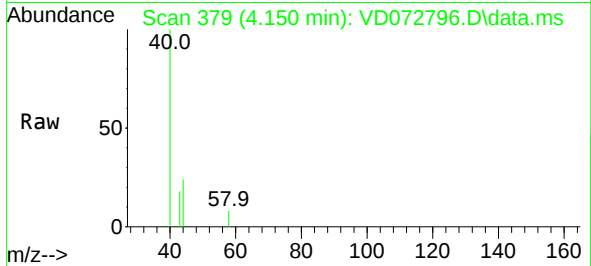




#16
Acetone
Concen: Below Cal
RT: 4.150 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD072796.D
Acq: 04 May 2022 18:47

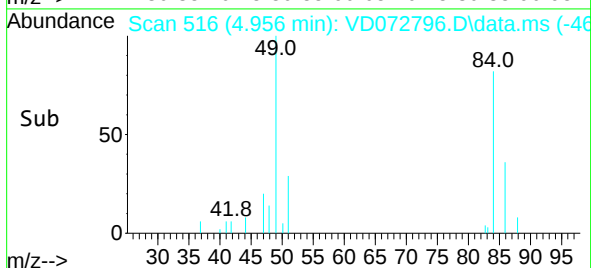
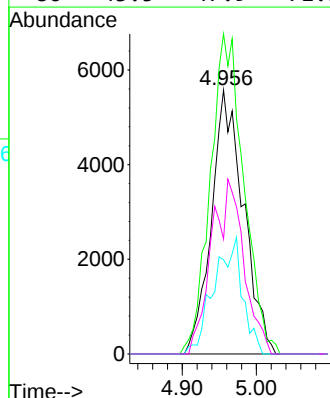
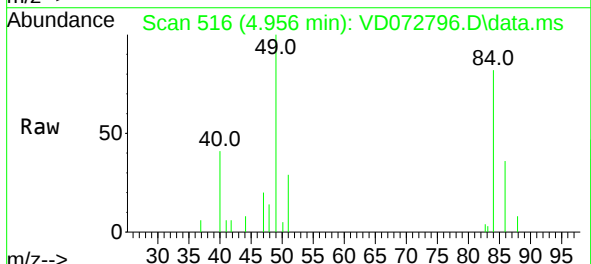
Instrument :
MSVOA_D
ClientSampleId :
SB-7,6

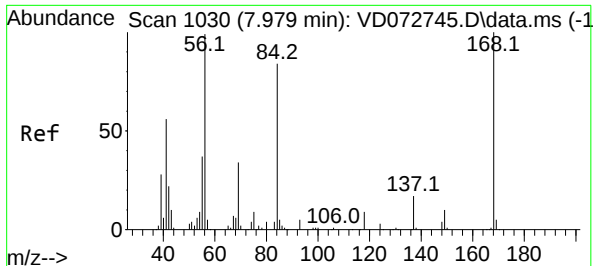
Tgt Ion: 43 Resp: 741
Ion Ratio Lower Upper
43 100
58 47.1 22.1 33.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD072796.D
Acq: 04 May 2022 18:47

Tgt Ion: 84 Resp: 16710
Ion Ratio Lower Upper
84 100
49 121.2 112.8 169.2
51 35.7 32.6 48.8
86 43.5 47.9 71.9#





#31

Cyclohexane

Concen: 1.017 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.012 min

Lab File: VD072796.D

Acq: 04 May 2022 18:47

Instrument :

MSVOA_D

ClientSampleId :

SB-7,6

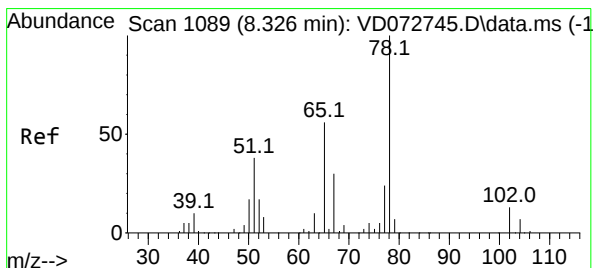
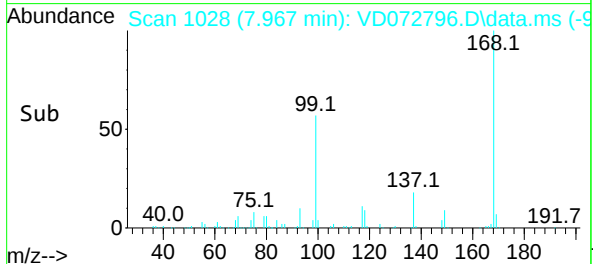
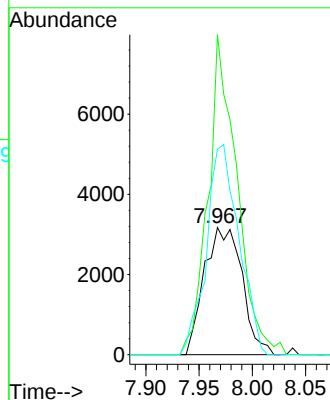
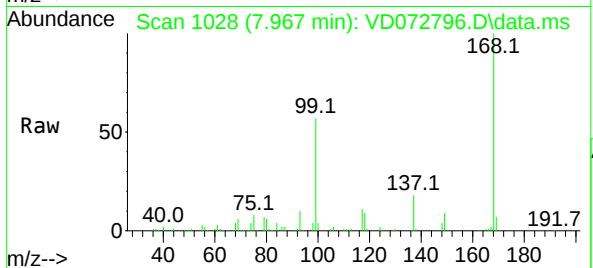
Tgt Ion: 56 Resp: 7846

Ion Ratio Lower Upper

56 100

69 251.5 25.4 38.2#

84 161.4 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 52.757 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072796.D

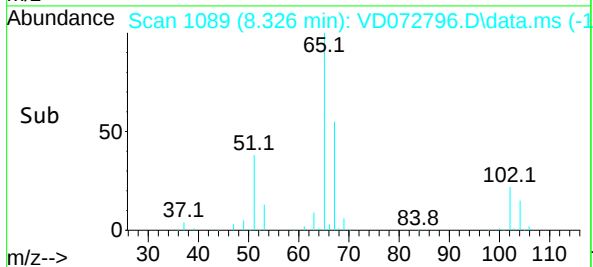
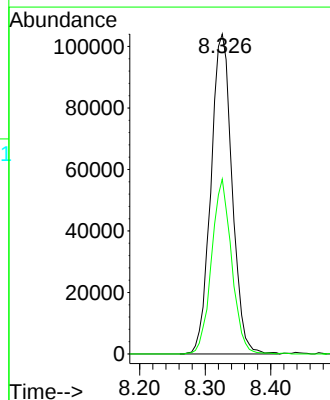
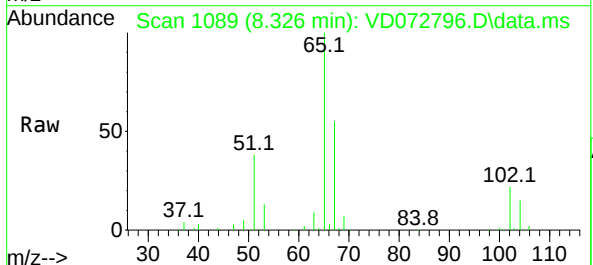
Acq: 04 May 2022 18:47

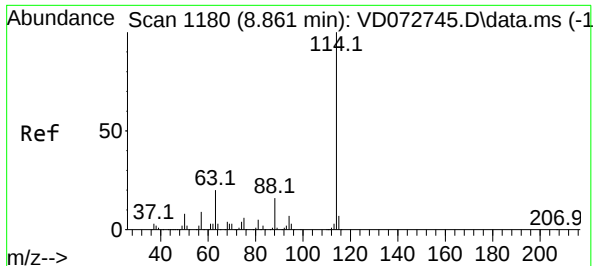
Tgt Ion: 65 Resp: 232822

Ion Ratio Lower Upper

65 100

67 51.9 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: VD072796.D

Acq: 04 May 2022 18:47

Instrument :

MSVOA_D

ClientSampleId :

SB-7,6

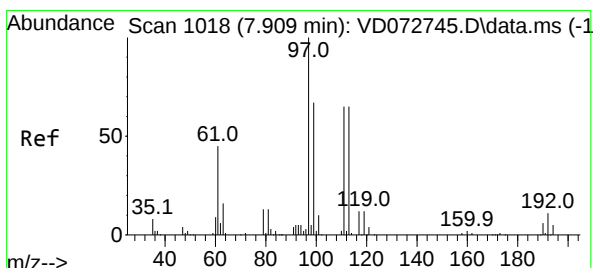
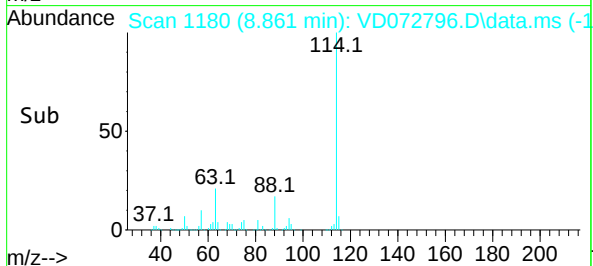
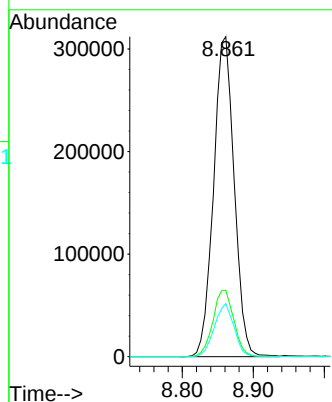
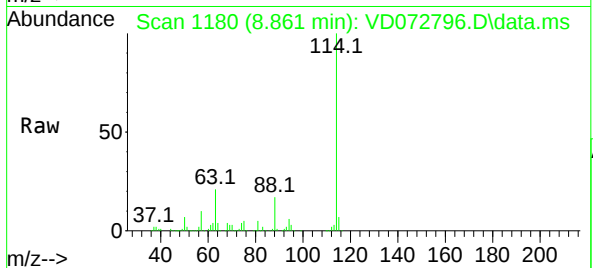
Tgt Ion:114 Resp: 628453

Ion Ratio Lower Upper

114 100

63 20.8 0.0 46.6

88 16.6 0.0 33.2



#35

Dibromofluoromethane

Concen: 49.766 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.001 min

Lab File: VD072796.D

Acq: 04 May 2022 18:47

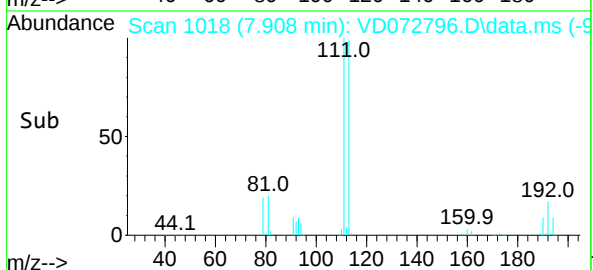
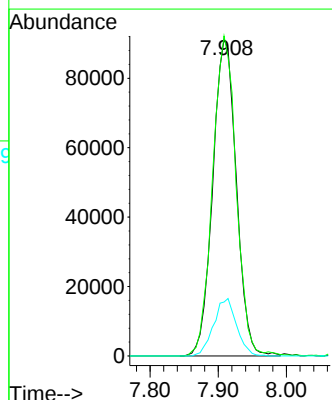
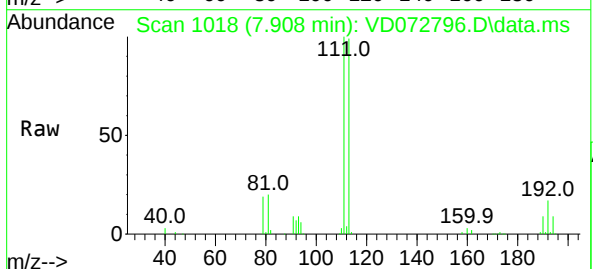
Tgt Ion:113 Resp: 219651

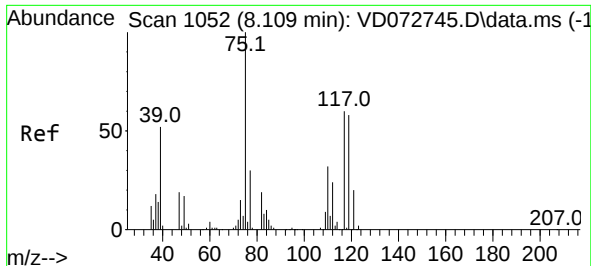
Ion Ratio Lower Upper

113 100

111 101.2 83.8 125.6

192 17.6 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.057 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.136 min

Lab File: VD072796.D

Acq: 04 May 2022 18:47

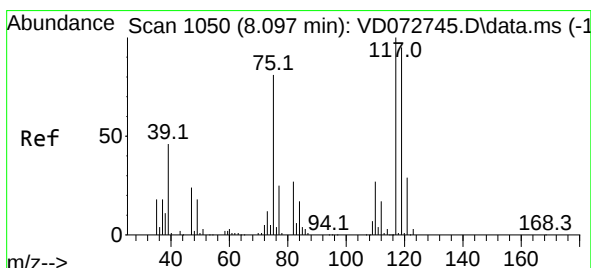
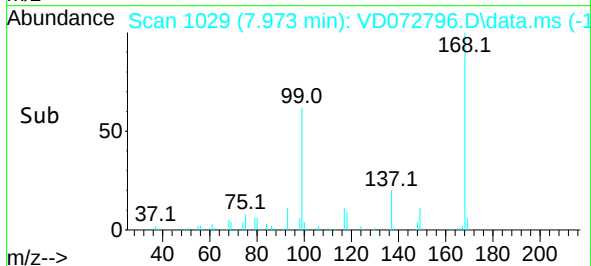
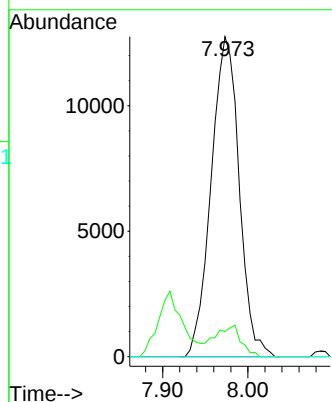
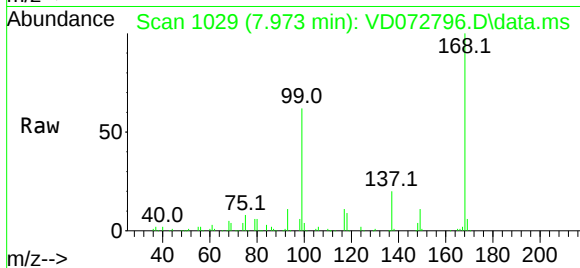
Instrument :

MSVOA_D

ClientSampleId :

SB-7,6

Tgt Ion: 75	Resp: 29113
Ion Ratio	Lower Upper
75	100
110	9.5 16.4 49.1#
77	0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 4.937 ug/l

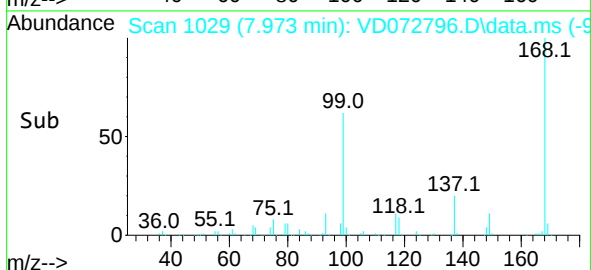
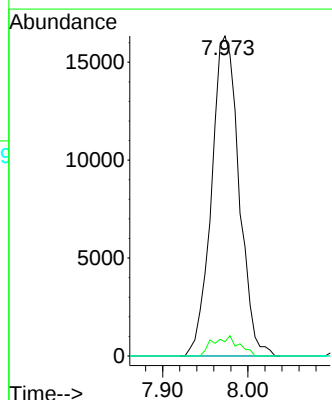
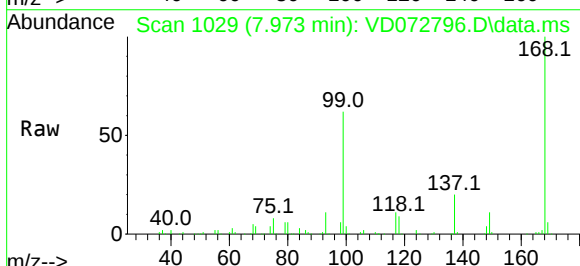
RT: 7.973 min Scan# 1029

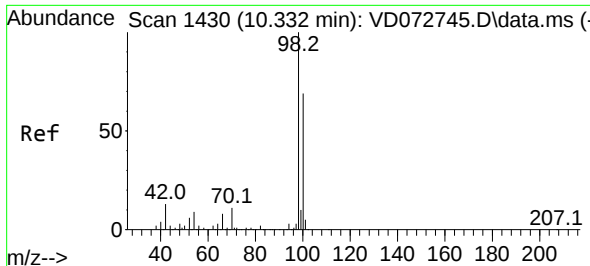
Delta R.T. -0.124 min

Lab File: VD072796.D

Acq: 04 May 2022 18:47

Tgt Ion: 117	Resp: 36782
Ion Ratio	Lower Upper
117	100
119	4.4 75.8 113.6#
121	0.0 24.5 36.7#

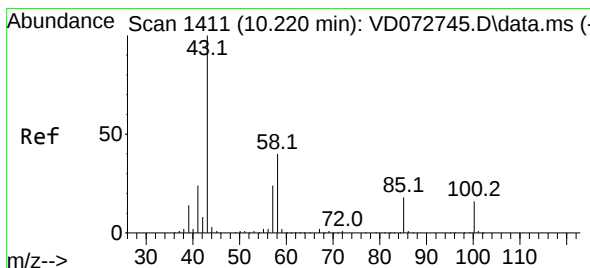
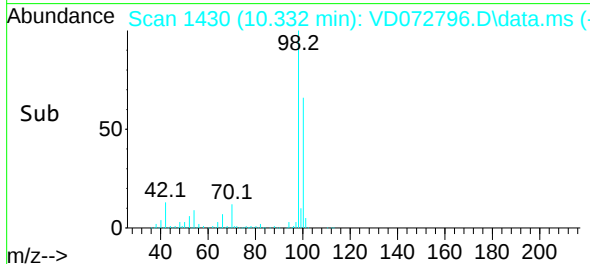
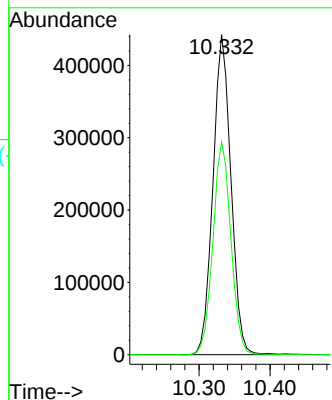
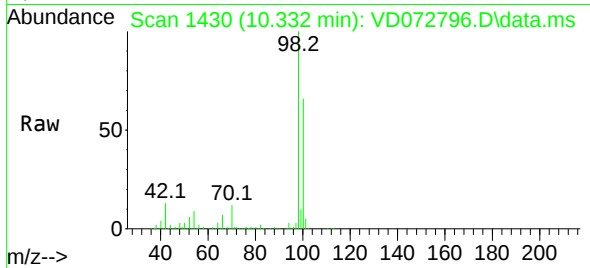




#50
Toluene-d8
Concen: 49.070 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072796.D
Acq: 04 May 2022 18:47

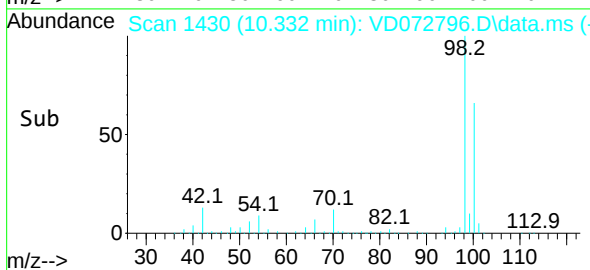
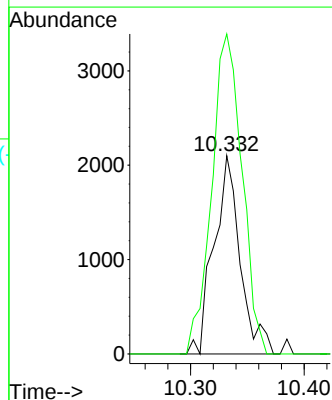
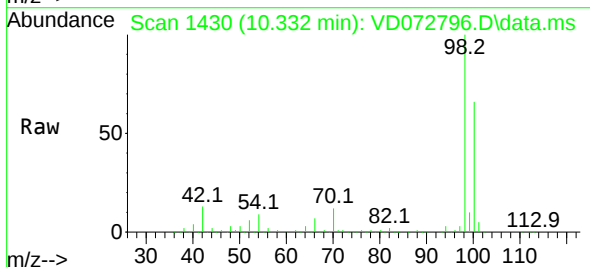
Instrument :
MSVOA_D
ClientSampleId :
SB-7,6

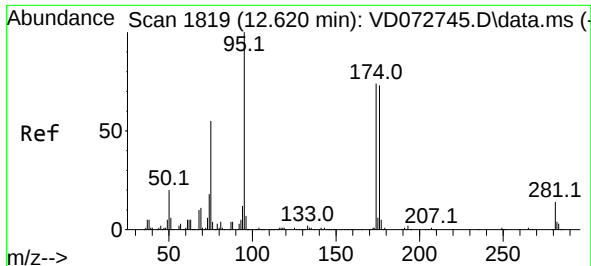
Tgt Ion: 98 Resp: 776893
Ion Ratio Lower Upper
98 100
100 66.5 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.067 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.112 min
Lab File: VD072796.D
Acq: 04 May 2022 18:47

Tgt Ion: 43 Resp: 3375
Ion Ratio Lower Upper
43 100
58 186.2 28.6 43.0#

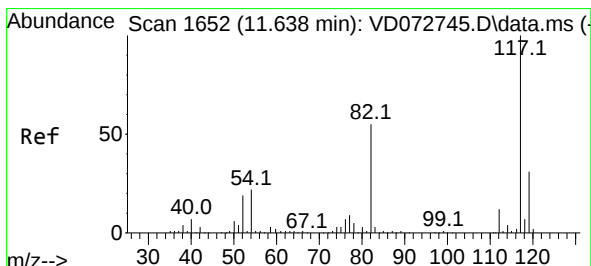
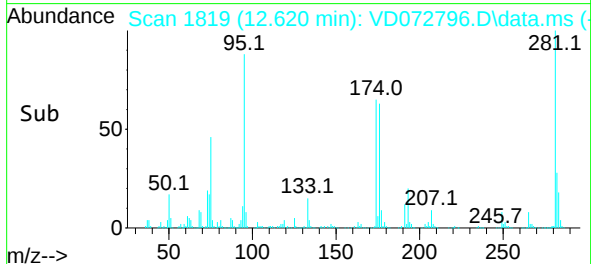
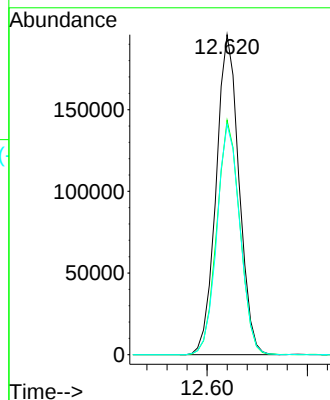
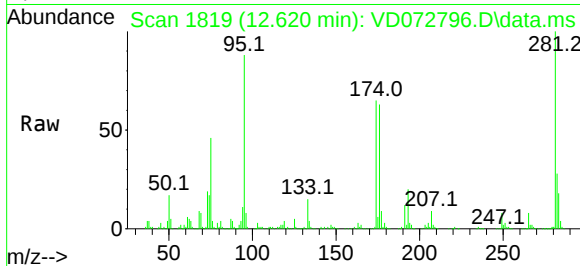




#62
4-Bromofluorobenzene
Concen: 52.484 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072796.D
Acq: 04 May 2022 18:47

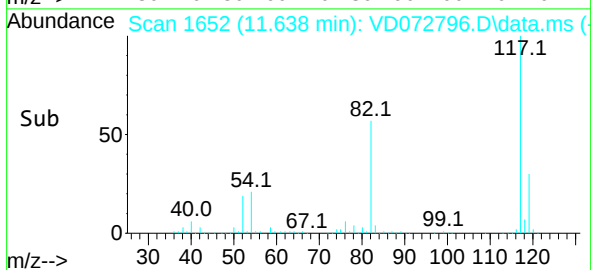
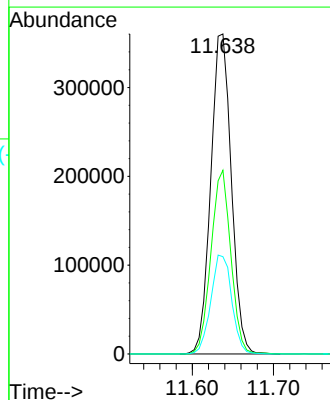
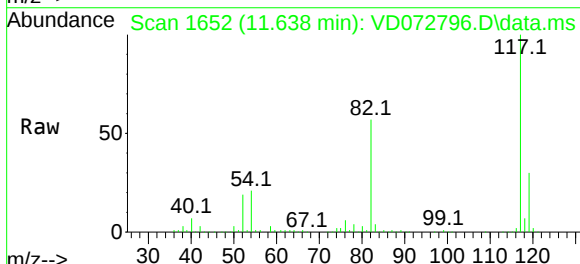
Instrument :
MSVOA_D
ClientSampleId :
SB-7,6

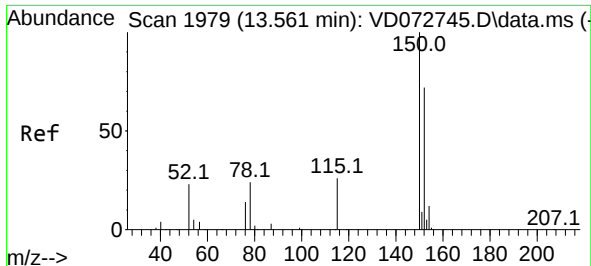
Tgt Ion: 95 Resp: 309839
Ion Ratio Lower Upper
95 100
174 73.6 0.0 152.8
176 72.6 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072796.D
Acq: 04 May 2022 18:47

Tgt Ion: 117 Resp: 633195
Ion Ratio Lower Upper
117 100
82 57.4 45.3 67.9
119 30.4 26.6 40.0

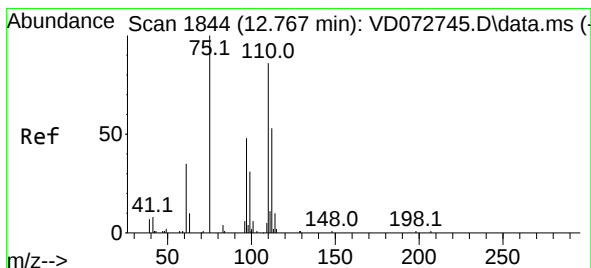
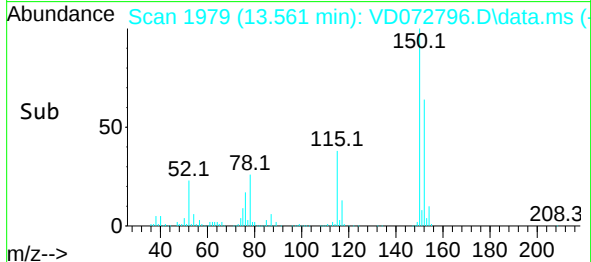
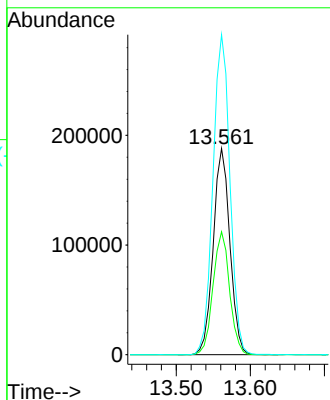
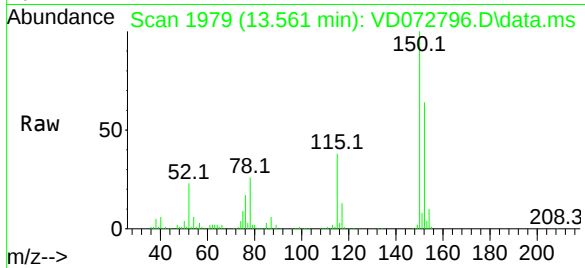




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD072796.D
 Acq: 04 May 2022 18:47

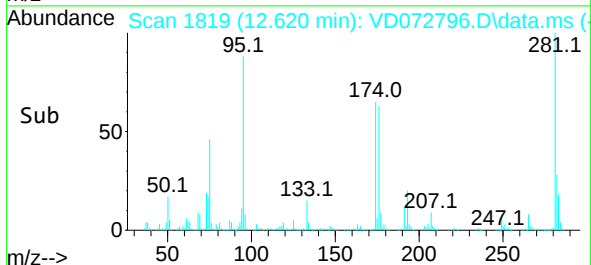
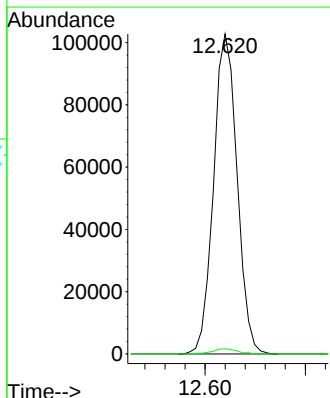
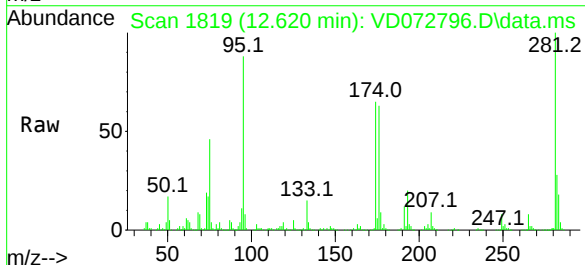
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-7,6

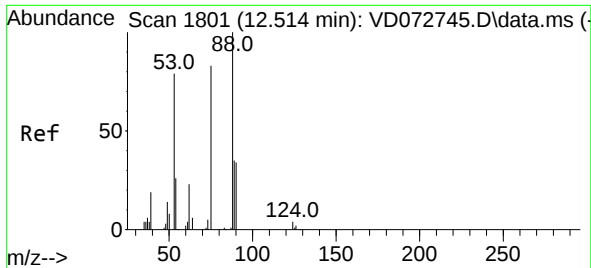
Tgt Ion:152 Resp: 293849
 Ion Ratio Lower Upper
 152 100
 115 59.1 31.3 93.8
 150 158.1 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 50.919 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD072796.D
 Acq: 04 May 2022 18:47

Tgt Ion: 75 Resp: 166843
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 117.094 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD072796.D
 Acq: 04 May 2022 18:47

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-7,6

Tgt Ion: 75 Resp: 166843
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.5 129.7#
 89 2.1 33.9 50.9#

