

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050621\
 Data File : VD069084.D
 Acq On : 06 May 2021 19:24
 Operator : VA/SY
 Sample : M2306-02
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: May 07 01:12:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050421S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 05 04:16:41 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	230370	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	436697	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	492074	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	242626	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	141417	47.63	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.26%
35) Dibromofluoromethane	7.914	113	152547	50.94	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.88%
50) Toluene-d8	10.338	98	562652	50.89	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	101.78%
62) 4-Bromofluorobenzene	12.626	95	213786	58.79	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	117.58%

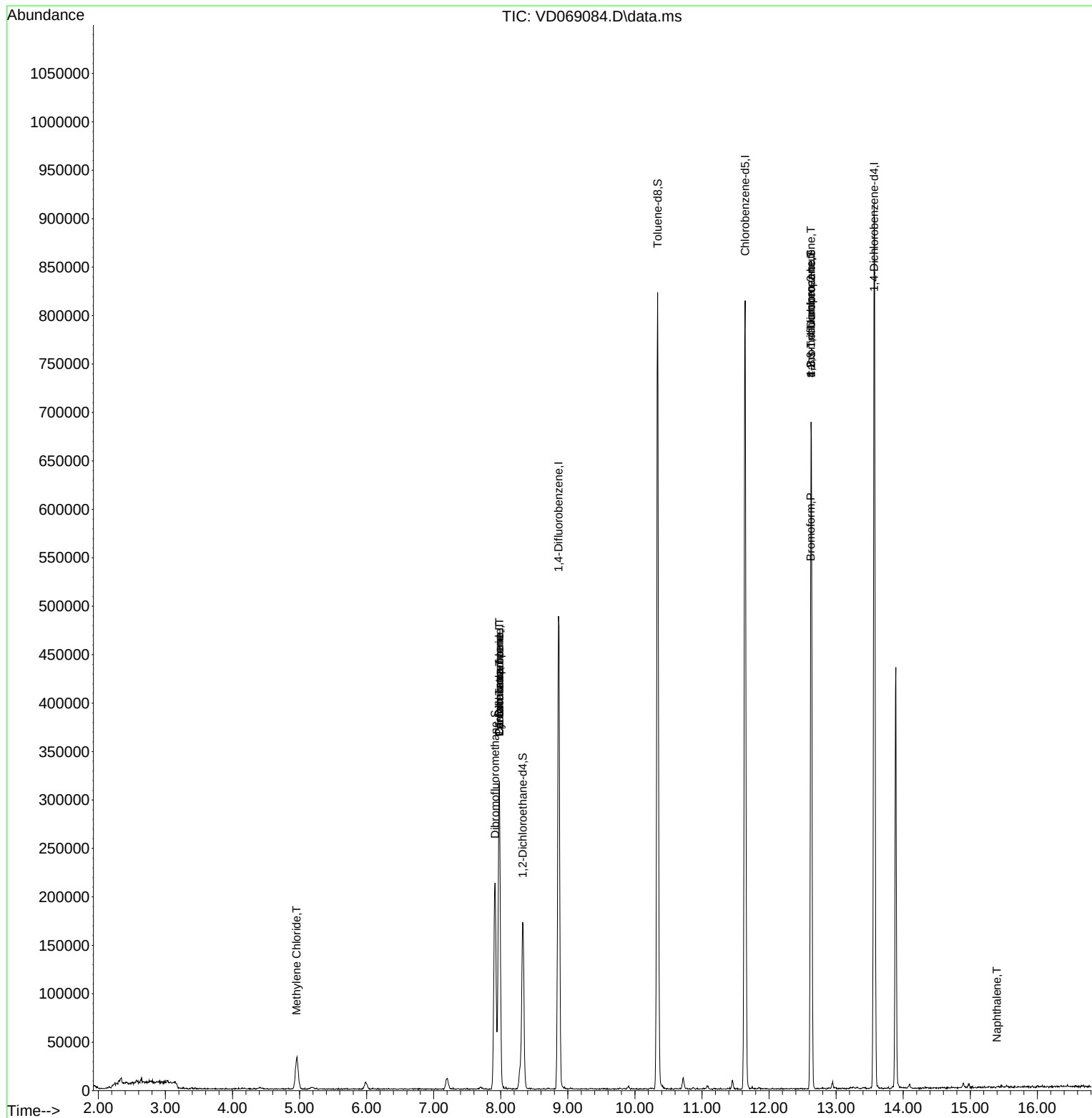
Target Compounds						Qvalue
11) Tert butyl alcohol	5.250	59	188	Below Cal	#	81
16) Acetone	4.156	43	704	Below Cal	#	44
20) Methylene Chloride	4.956	84	25599	2.34	ug/l #	86
31) Cyclohexane	7.979	56	5732	1.33	ug/l #	26
36) 1,1-Dichloropropene	7.979	75	18462	4.02	ug/l #	50
38) Carbon Tetrachloride	7.979	117	25701	5.16	ug/l #	17
71) Bromoform	12.620	173	2424	1.24	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	109931	52.05	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	109931	113.25	ug/l #	9
95) Naphthalene	15.396	128	199	2.85	ug/l #	69

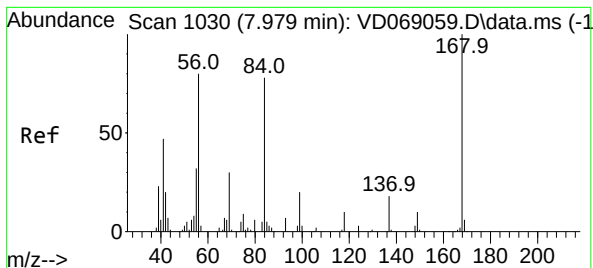
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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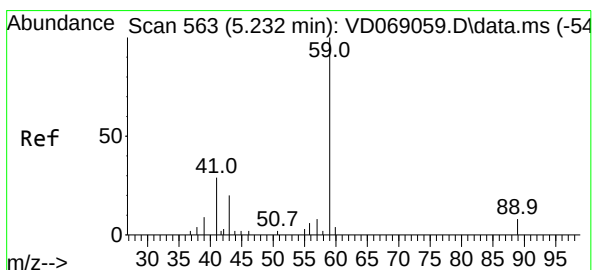
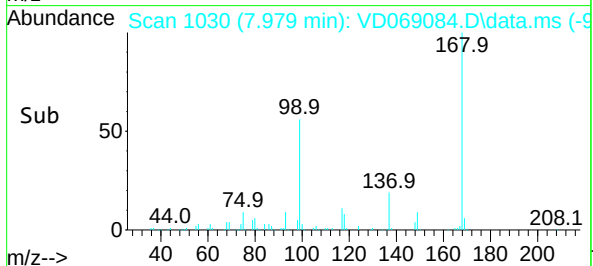
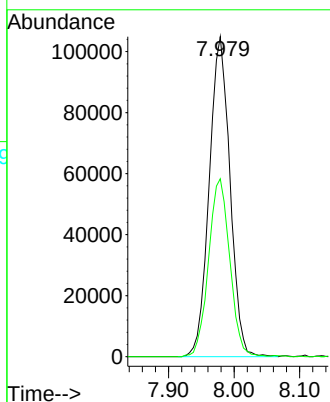
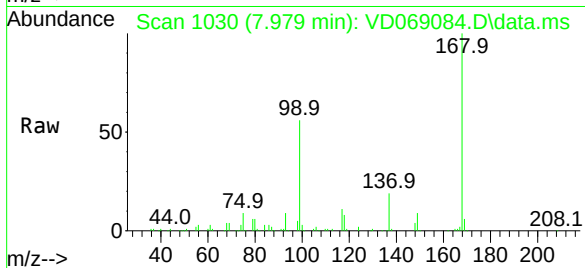




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069084.D
Acq: 06 May 2021 19:24

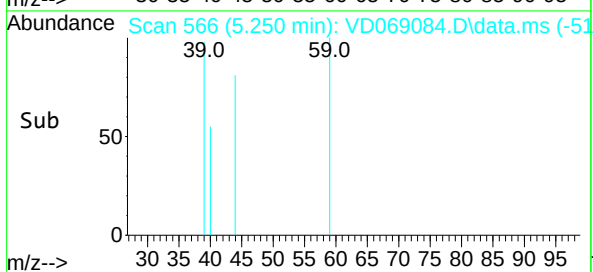
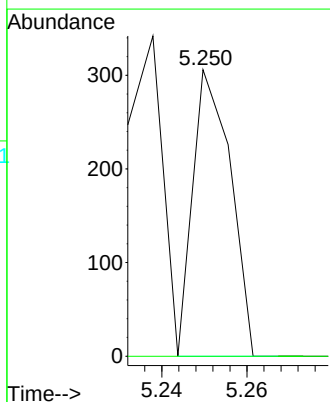
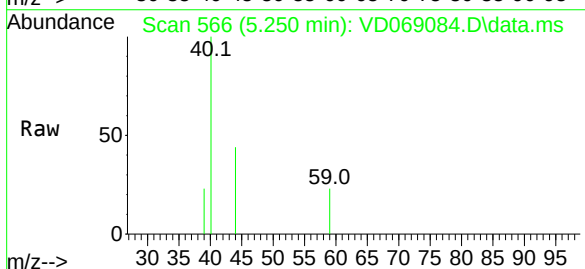
Instrument :
MSVOA_D
ClientSampleId :

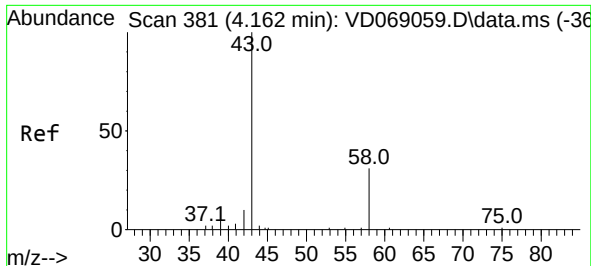
Tgt Ion:168 Resp: 230370
Ion Ratio Lower Upper
168 100
99 55.6 52.6 78.8



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.250 min Scan# 566
Delta R.T. 0.018 min
Lab File: VD069084.D
Acq: 06 May 2021 19:24

Tgt Ion: 59 Resp: 188
Ion Ratio Lower Upper
59 100
57 0.0 5.3 7.9#

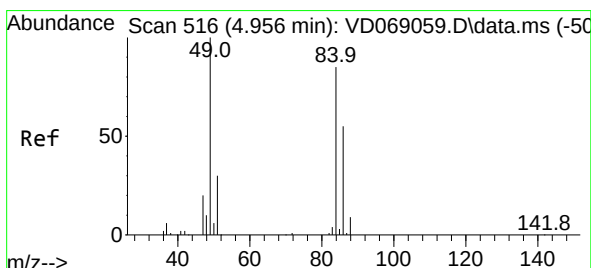
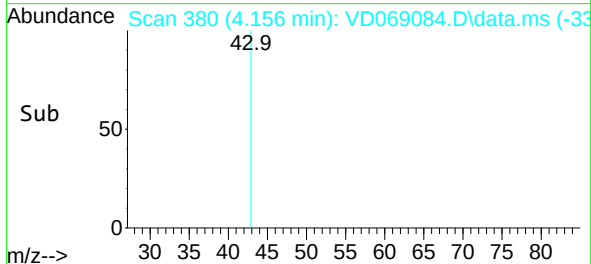
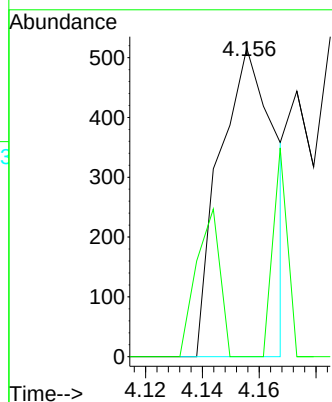
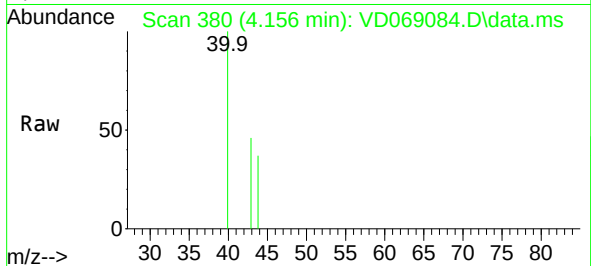




#16
Acetone
Concen: Below Cal
RT: 4.156 min Scan# 380
Delta R.T. -0.006 min
Lab File: VD069084.D
Acq: 06 May 2021 19:24

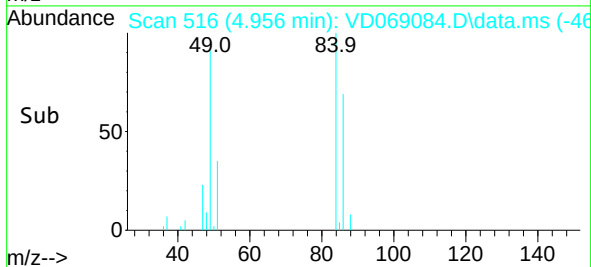
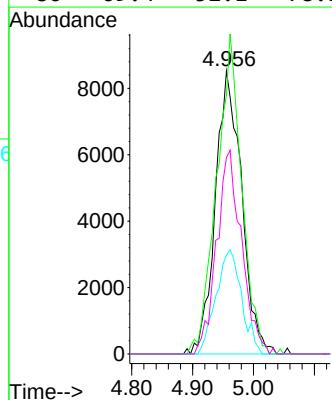
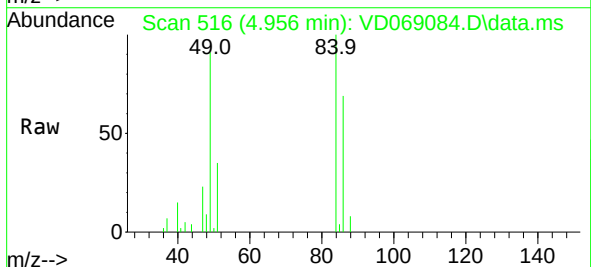
Instrument :
MSVOA_D
ClientSampled :

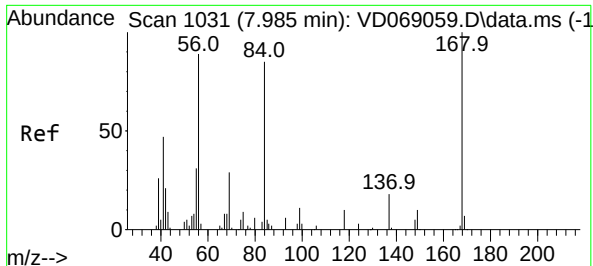
Tgt Ion: 43 Resp: 704
Ion Ratio Lower Upper
43 100
58 0.0 24.5 36.7#



#20
Methylene Chloride
Concen: 2.34 ug/l
RT: 4.956 min Scan# 516
Delta R.T. -0.000 min
Lab File: VD069084.D
Acq: 06 May 2021 19:24

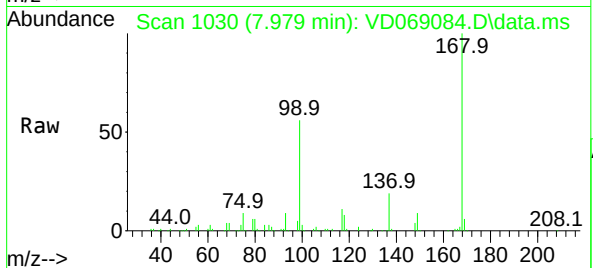
Tgt Ion: 84 Resp: 25599
Ion Ratio Lower Upper
84 100
49 91.3 93.9 140.9#
51 34.9 27.9 41.9
86 69.4 52.1 78.1



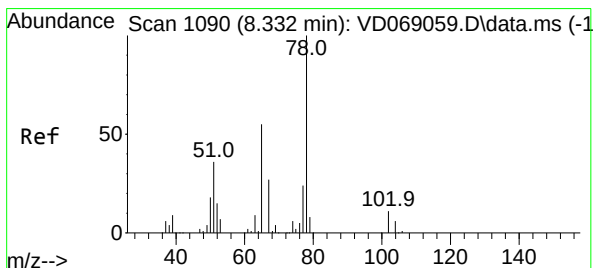
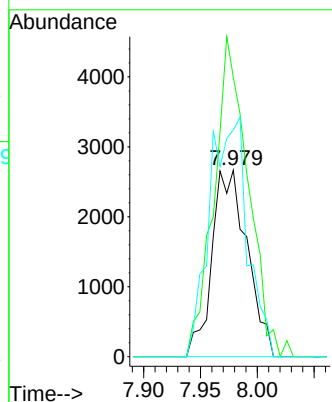
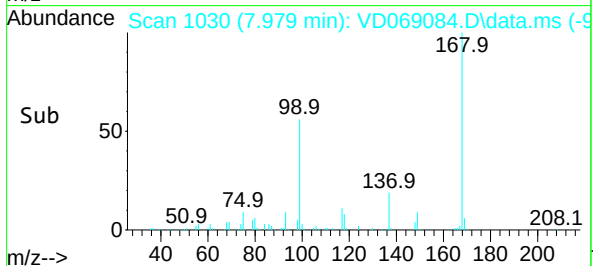


#31
Cyclohexane
Concen: 1.33 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD069084.D
Acq: 06 May 2021 19:24

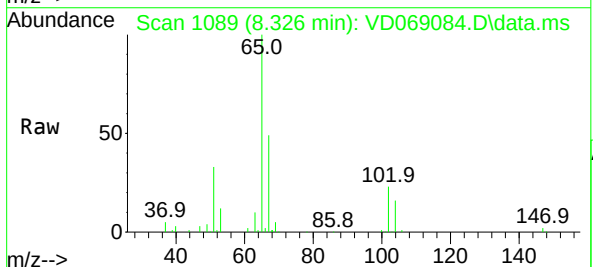
Instrument :
MSVOA_D
ClientSampled :



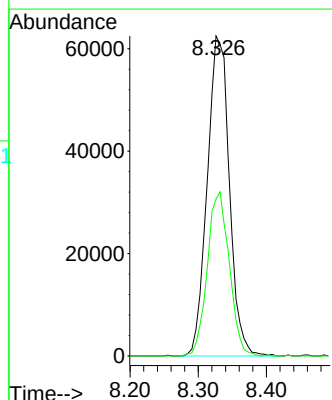
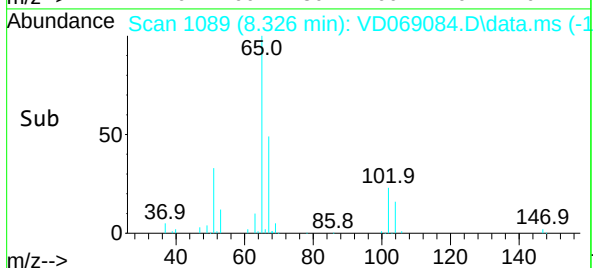
Tgt Ion: 56 Resp: 5732
Ion Ratio Lower Upper
56 100
69 149.7 26.3 39.5#
84 121.5 75.9 113.9#

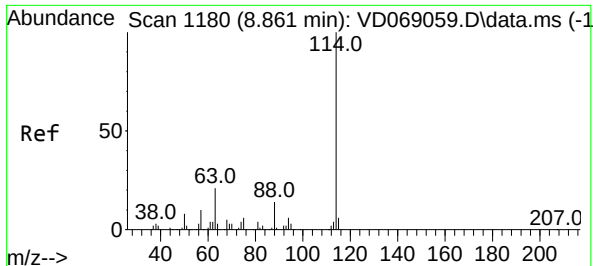


#33
1,2-Dichloroethane-d4
Concen: 47.63 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.006 min
Lab File: VD069084.D
Acq: 06 May 2021 19:24



Tgt Ion: 65 Resp: 141417
Ion Ratio Lower Upper
65 100
67 50.8 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD069084.D

Acq: 06 May 2021 19:24

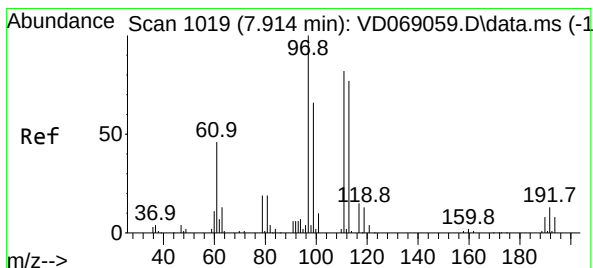
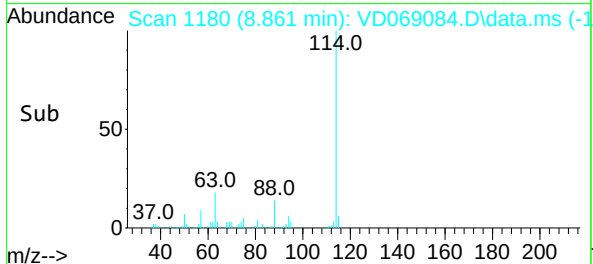
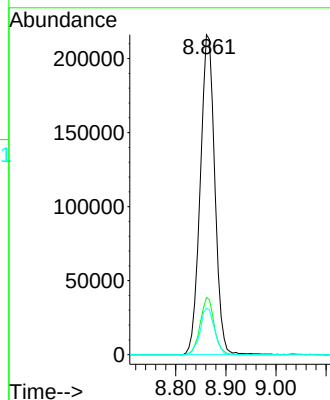
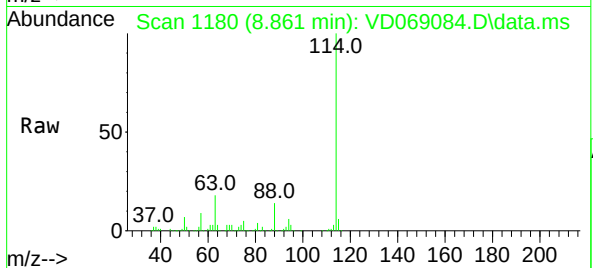
Tgt Ion:114 Resp: 436697

Ion Ratio Lower Upper

114 100

63 17.8 0.0 41.4

88 14.5 0.0 27.8



#35

Dibromofluoromethane

Concen: 50.94 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069084.D

Acq: 06 May 2021 19:24

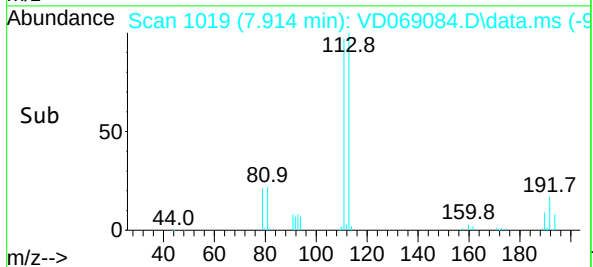
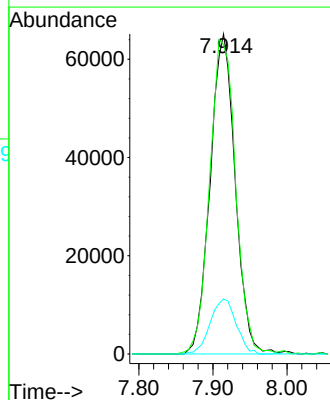
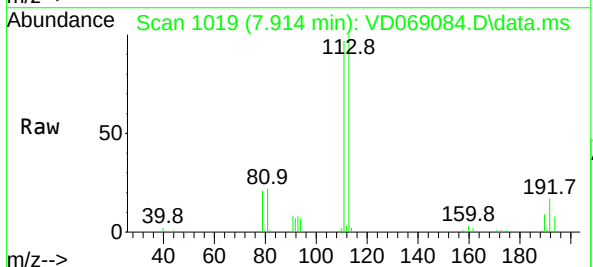
Tgt Ion:113 Resp: 152547

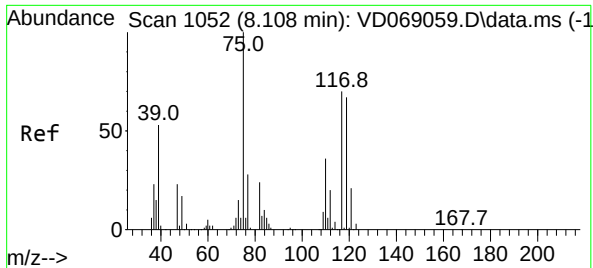
Ion Ratio Lower Upper

113 100

111 102.2 84.6 126.8

192 17.8 13.5 20.3

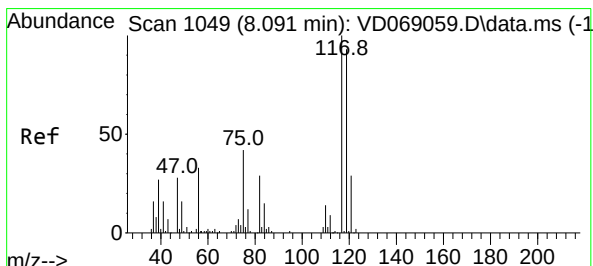
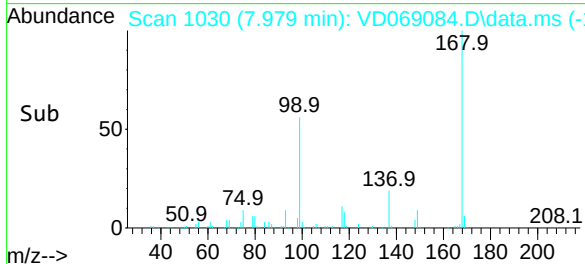
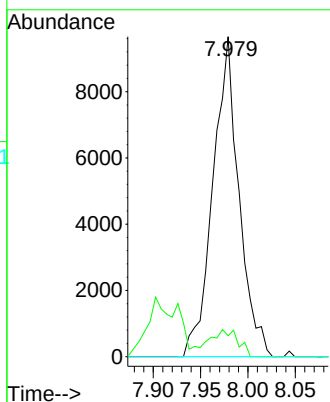
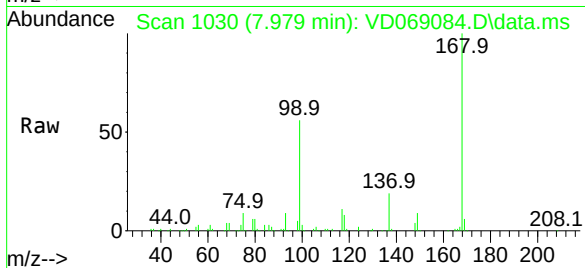




#36
1,1-Dichloropropene
Concen: 4.02 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD069084.D
Acq: 06 May 2021 19:24

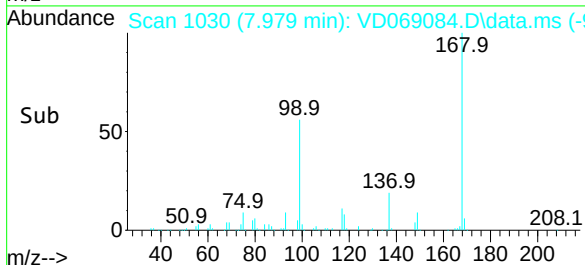
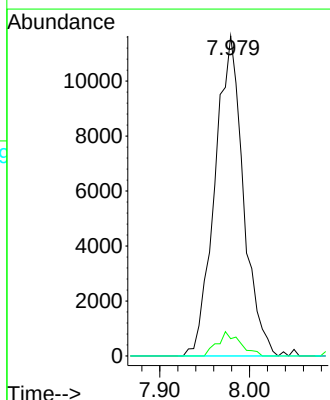
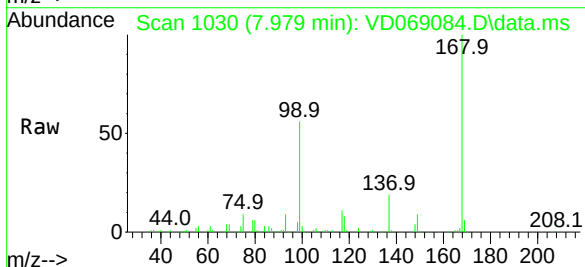
Instrument :
MSVOA_D
ClientSampled :

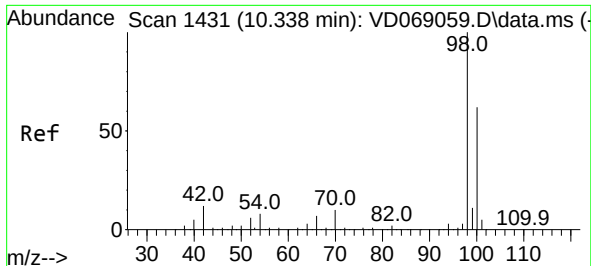
Tgt Ion: 75 Resp: 18462
Ion Ratio Lower Upper
75 100
110 8.8 17.3 51.7#
77 0.0 23.9 35.9#



#38
Carbon Tetrachloride
Concen: 5.16 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD069084.D
Acq: 06 May 2021 19:24

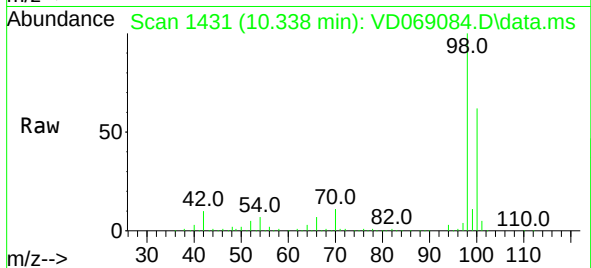
Tgt Ion: 117 Resp: 25701
Ion Ratio Lower Upper
117 100
119 5.4 74.7 112.1#
121 0.0 23.1 34.7#



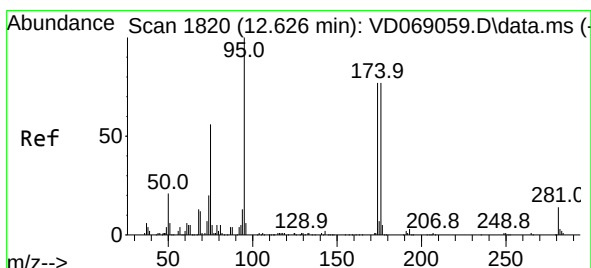
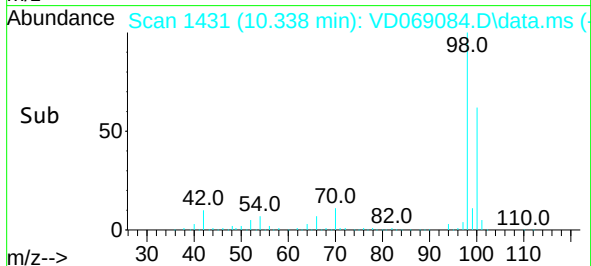
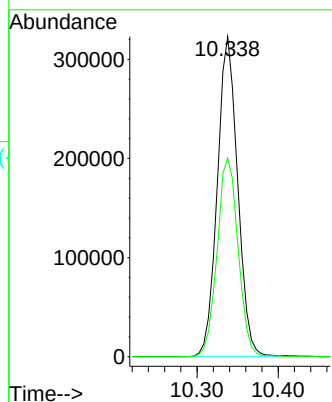


#50
Toluene-d8
Concen: 50.89 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069084.D
Acq: 06 May 2021 19:24

Instrument :
MSVOA_D
ClientSampled :

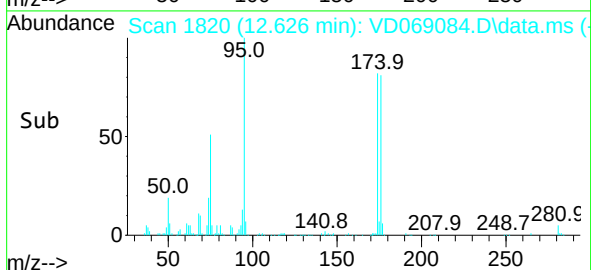
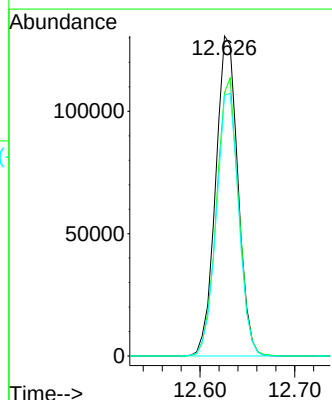
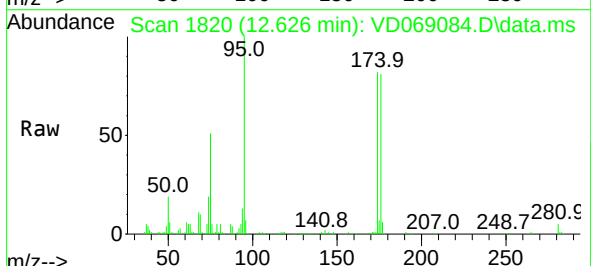


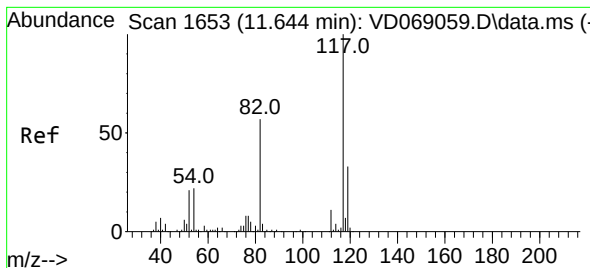
Tgt Ion: 98 Resp: 562652
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 58.79 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069084.D
Acq: 06 May 2021 19:24

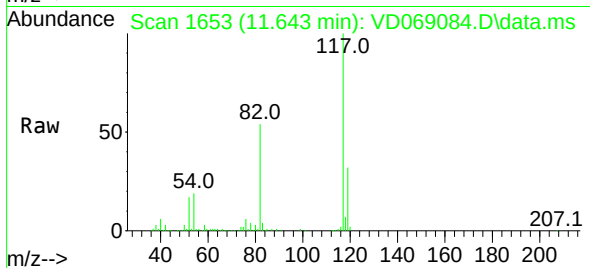
Tgt Ion: 95 Resp: 213786
Ion Ratio Lower Upper
95 100
174 85.9 0.0 156.0
176 82.7 0.0 149.4



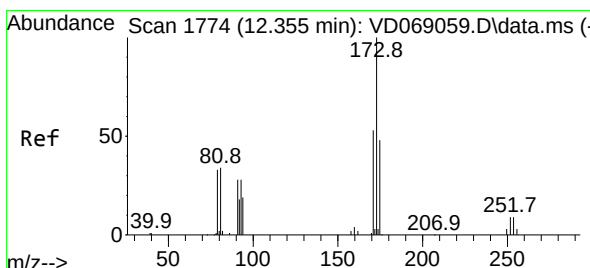
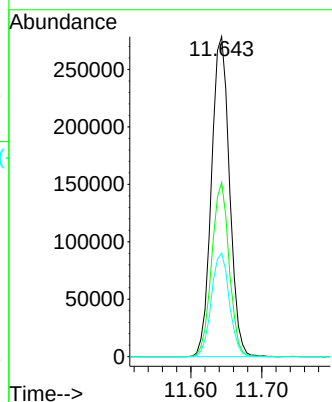
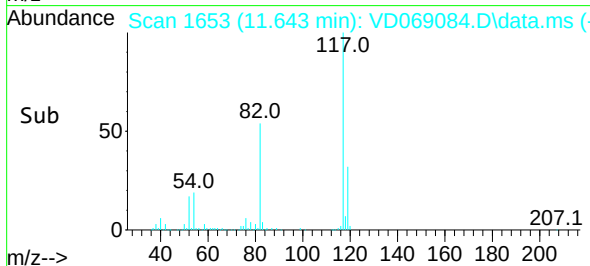


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD069084.D
Acq: 06 May 2021 19:24

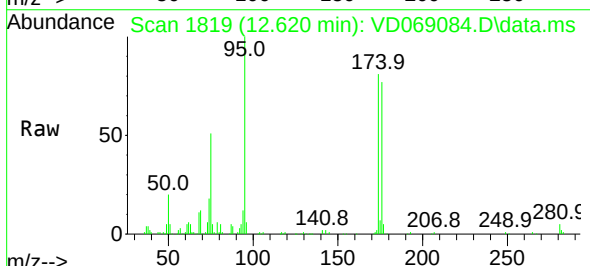
Instrument :
MSVOA_D
ClientSampleId :



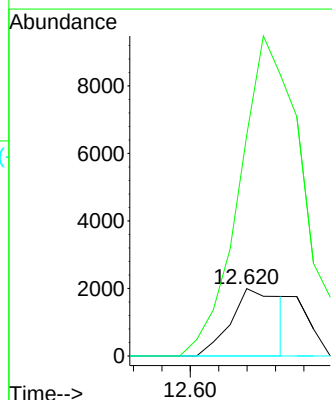
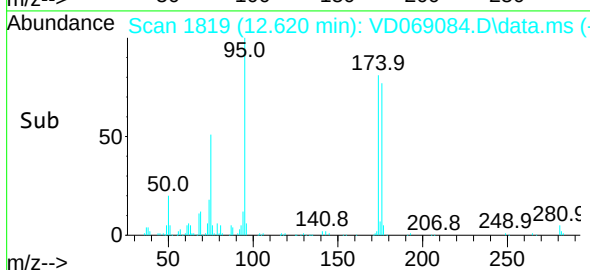
Tgt Ion:117 Resp: 492074
Ion Ratio Lower Upper
117 100
82 54.5 45.4 68.2
119 32.4 26.8 40.2

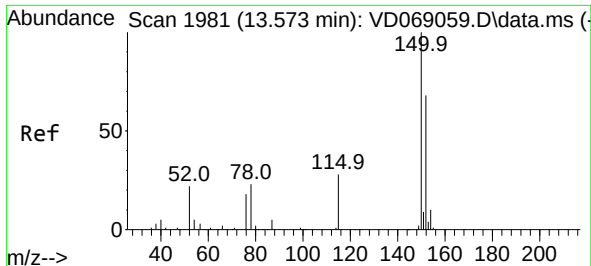


#71
Bromoform
Concen: 1.24 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD069084.D
Acq: 06 May 2021 19:24



Tgt Ion:173 Resp: 2424
Ion Ratio Lower Upper
173 100
175 428.1 23.8 71.4#
254 0.0 0.0 0.0

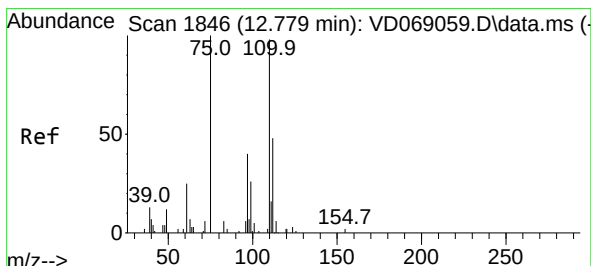
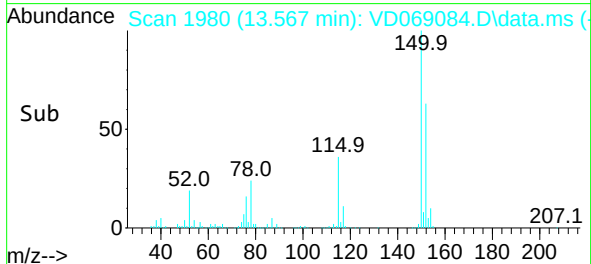
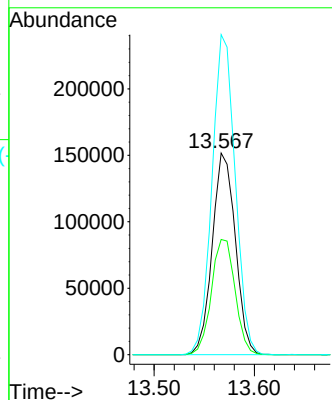
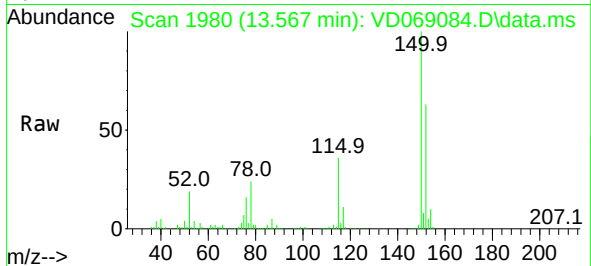




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD069084.D
Acq: 06 May 2021 19:24

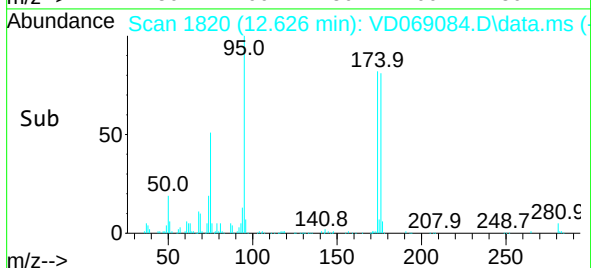
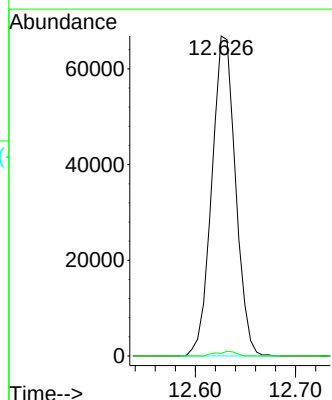
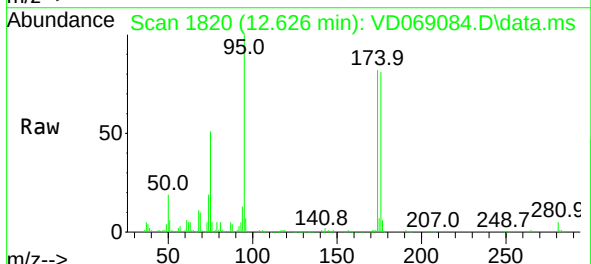
Instrument :
MSVOA_D
ClientSampleId :

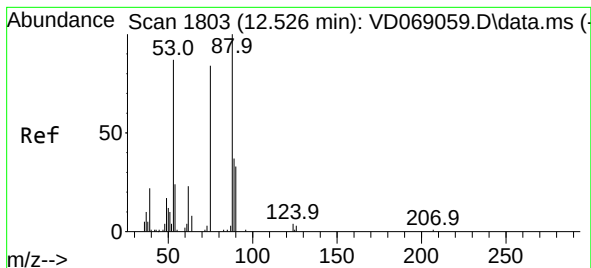
Tgt Ion:152 Resp: 242626
Ion Ratio Lower Upper
152 100
115 58.6 30.5 91.5
150 159.2 0.0 340.8



#76
1,2,3-Trichloropropane
Concen: 52.05 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069084.D
Acq: 06 May 2021 19:24

Tgt Ion: 75 Resp: 109931
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#

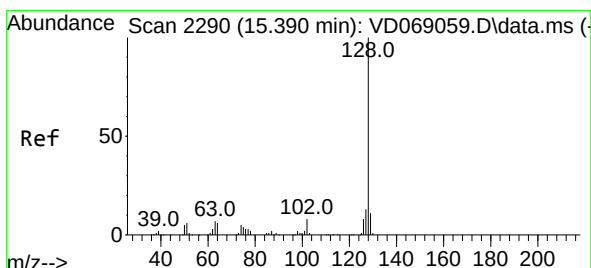
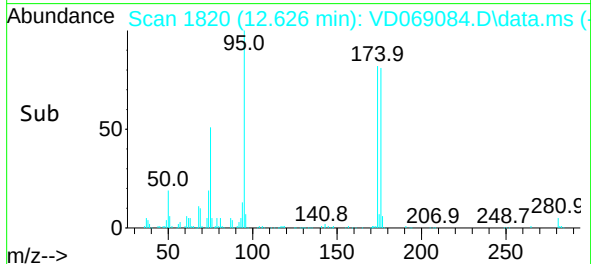
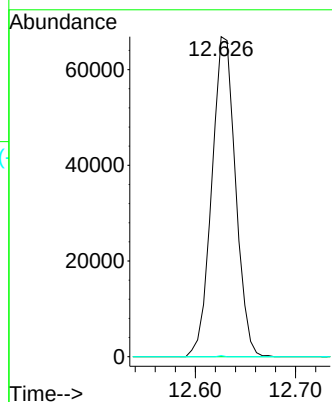
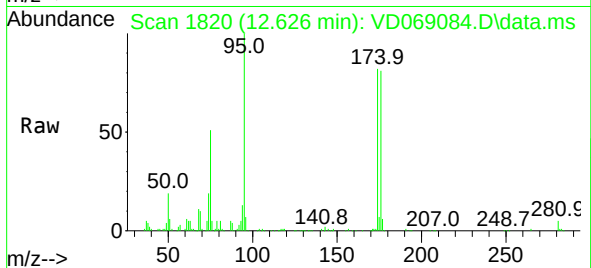




#81
trans-1,4-Dichloro-2-butene
Concen: 113.25 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069084.D
Acq: 06 May 2021 19:24

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 109931
Ion Ratio Lower Upper
75 100
53 0.0 80.4 120.6#
89 0.1 37.8 56.8#



#95
Naphthalene
Concen: 2.85 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.006 min
Lab File: VD069084.D
Acq: 06 May 2021 19:24

Tgt Ion:128 Resp: 199
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.5 12.7#

