

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD050721\
 Data File : VD069109.D
 Acq On : 07 May 2021 18:21
 Operator : VA/SY
 Sample : M2309-03
 Misc : 6.36G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-TP2

Quant Time: May 08 00:09:47 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	192710	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.867	114	378759	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.643	117	378990	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	171894	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	130805	52.67	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.34%
35) Dibromofluoromethane	7.914	113	140090	53.93	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.86%
50) Toluene-d8	10.338	98	483530	50.43	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.86%
62) 4-Bromofluorobenzene	12.626	95	155454	49.29	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	98.58%

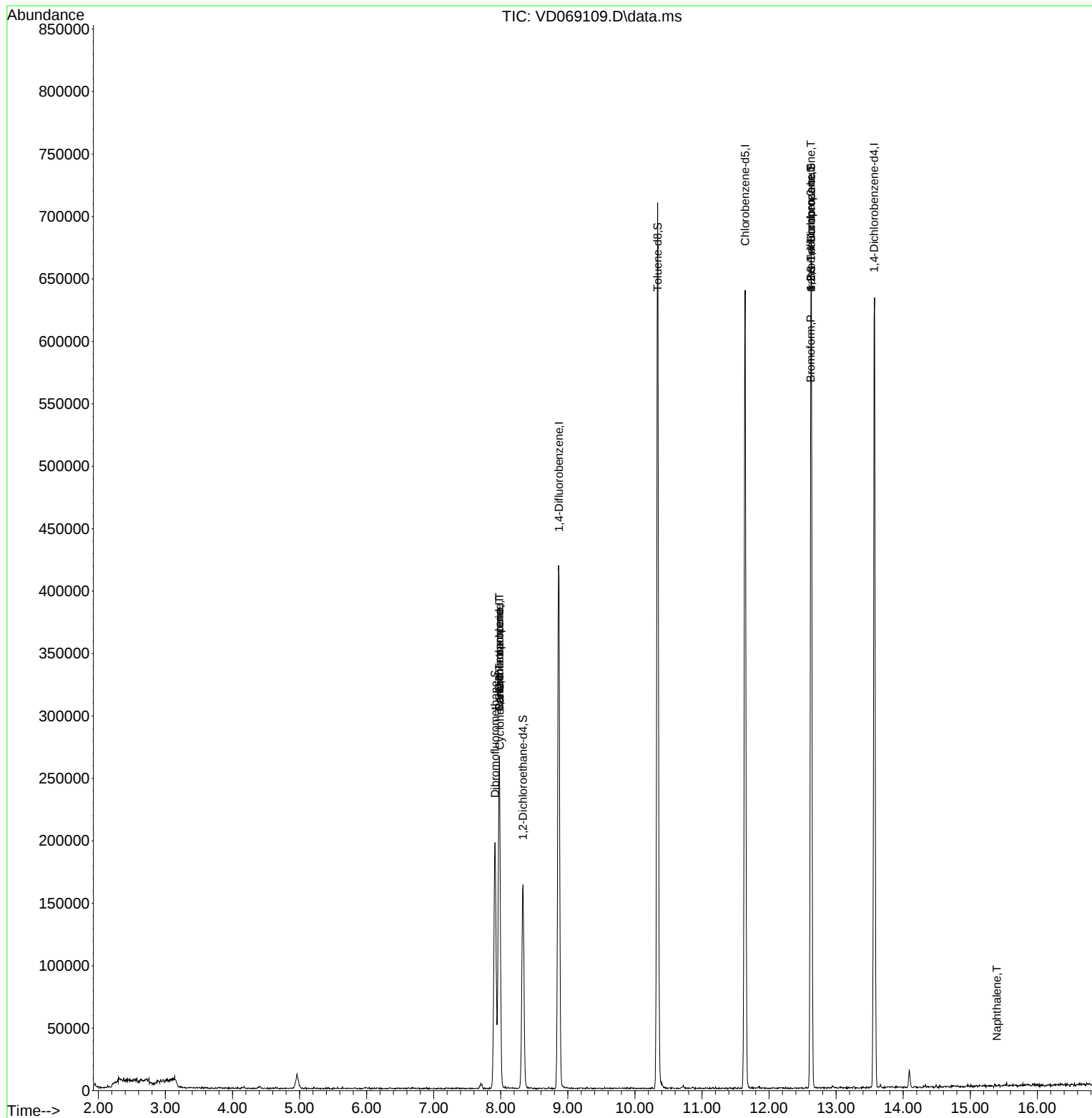
Target Compounds						Qvalue
11) Tert butyl alcohol	5.238	59	55	Below Cal	#	81
16) Acetone	4.167	43	718	Below Cal	#	80
20) Methylene Chloride	4.961	84	8695	Below Cal	#	93
31) Cyclohexane	7.985	56	4598	1.28	ug/l #	6
36) 1,1-Dichloropropene	7.979	75	16310	4.09	ug/l #	51
38) Carbon Tetrachloride	7.979	117	19937	4.61	ug/l #	16
71) Bromoform	12.620	173	1936	1.29	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	79868	53.37	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	79868	116.14	ug/l #	9
95) Naphthalene	15.396	128	301	2.88	ug/l #	69

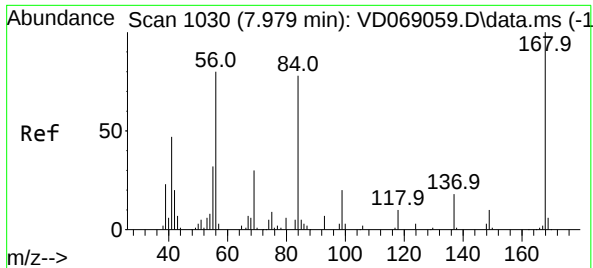
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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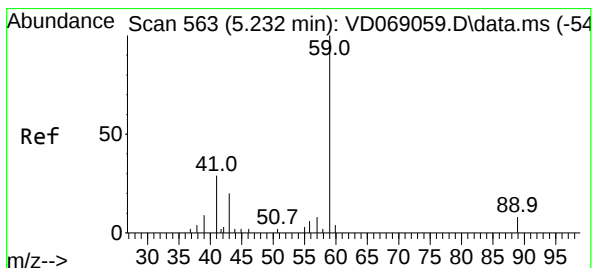
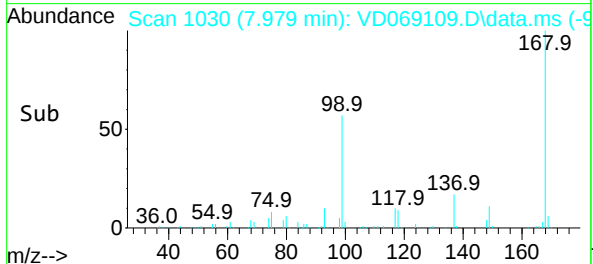
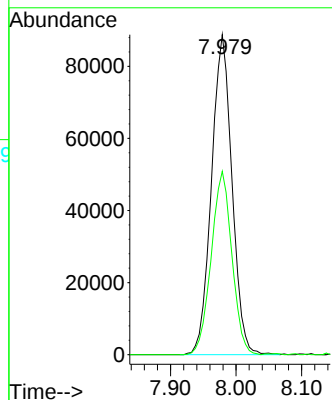
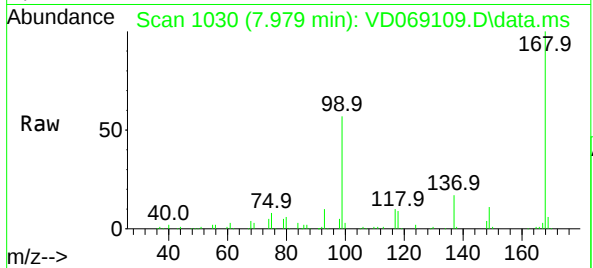




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD069109.D
Acq: 07 May 2021 18:21

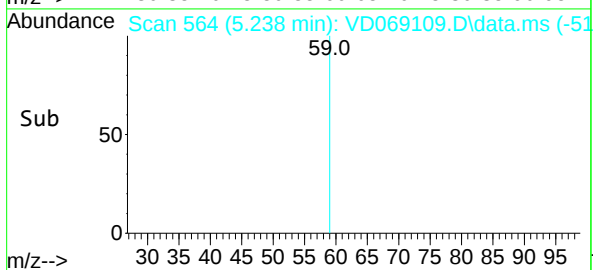
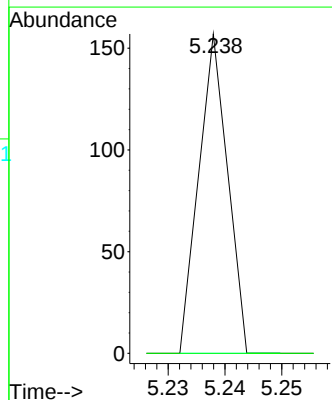
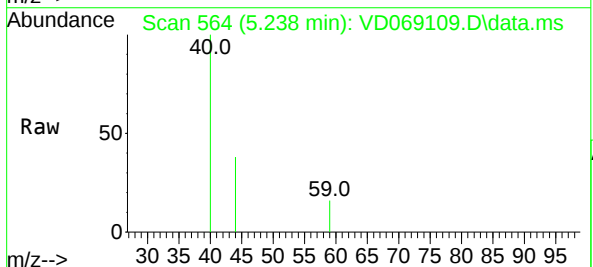
Instrument :
MSVOA_D
ClientSampleId :
MH-TP2

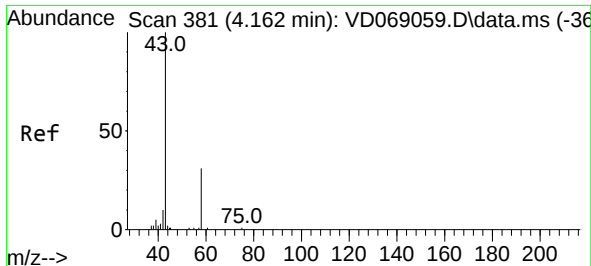
Tgt Ion:168 Resp: 192710
Ion Ratio Lower Upper
168 100
99 57.3 52.6 78.8



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.238 min Scan# 564
Delta R.T. 0.006 min
Lab File: VD069109.D
Acq: 07 May 2021 18:21

Tgt Ion: 59 Resp: 55
Ion Ratio Lower Upper
59 100
57 0.0 5.3 7.9#

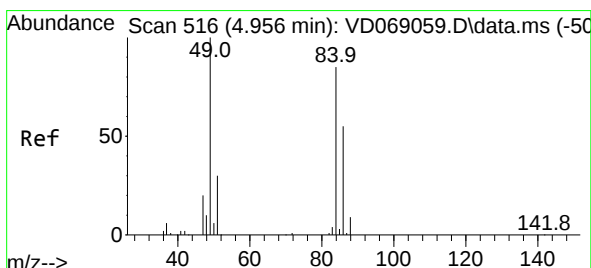
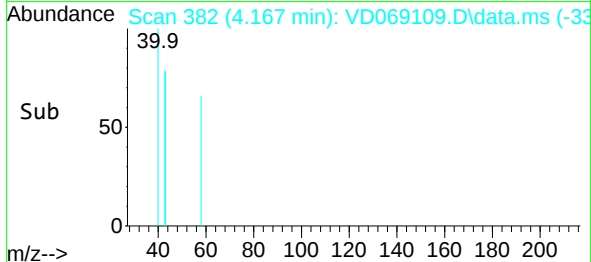
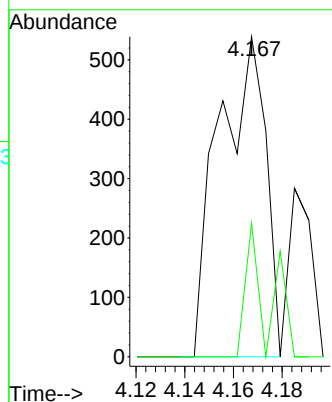
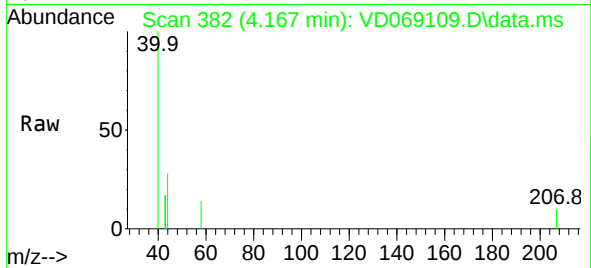




#16
Acetone
Concen: Below Cal
RT: 4.167 min Scan# 382
Delta R.T. 0.005 min
Lab File: VD069109.D
Acq: 07 May 2021 18:21

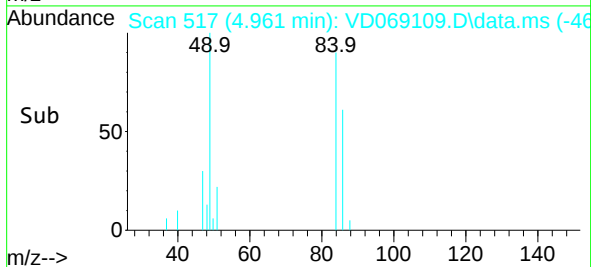
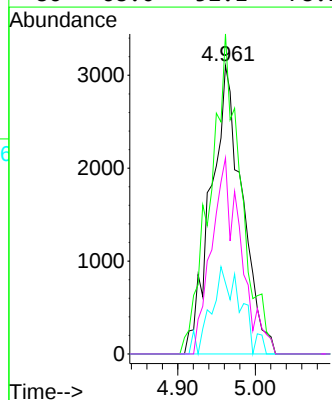
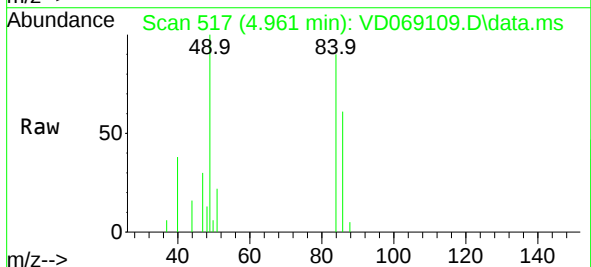
Instrument :
MSVOA_D
ClientSampled :
MH-TP2

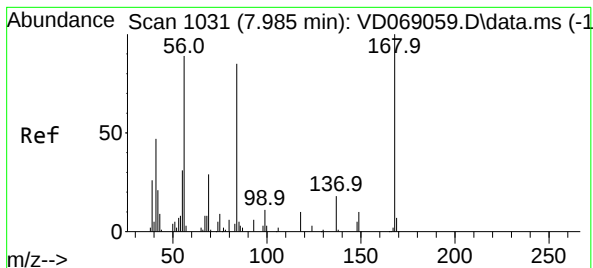
Tgt Ion: 43 Resp: 718
Ion Ratio Lower Upper
43 100
58 41.7 24.5 36.7#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.961 min Scan# 517
Delta R.T. 0.005 min
Lab File: VD069109.D
Acq: 07 May 2021 18:21

Tgt Ion: 84 Resp: 8695
Ion Ratio Lower Upper
84 100
49 111.0 93.9 140.9
51 24.6 27.9 41.9#
86 68.0 52.1 78.1

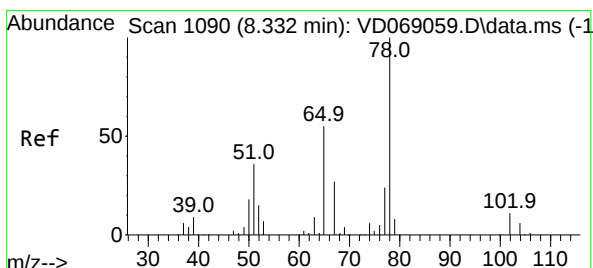
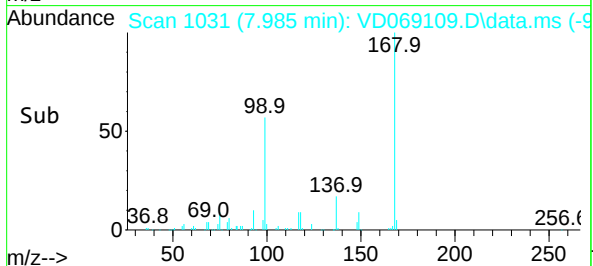
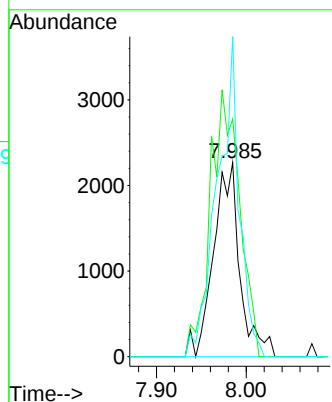
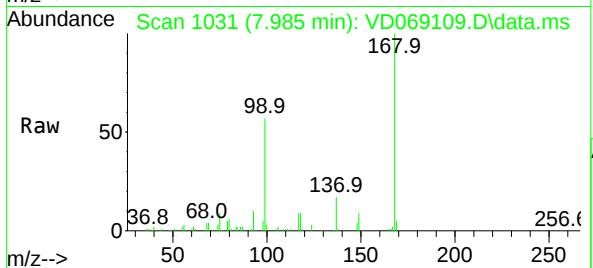




#31
Cyclohexane
Concen: 1.28 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD069109.D
Acq: 07 May 2021 18:21

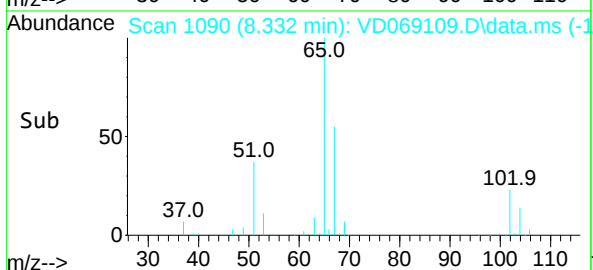
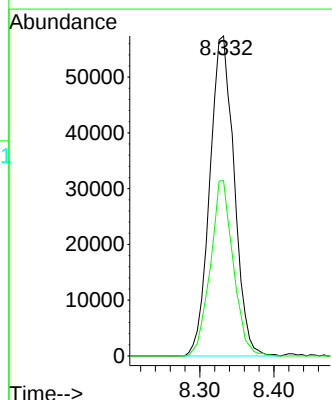
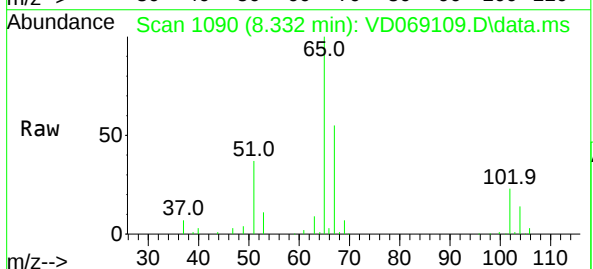
Instrument :
MSVOA_D
ClientSampleId :
MH-TP2

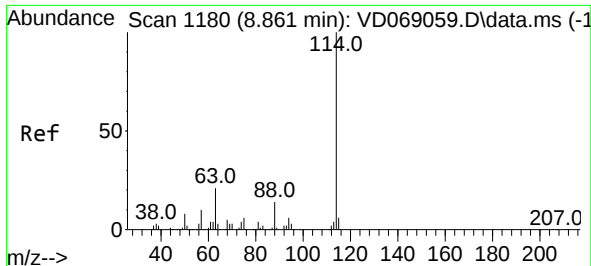
Tgt Ion: 56 Resp: 4598
Ion Ratio Lower Upper
56 100
69 122.4 26.3 39.5#
84 164.8 75.9 113.9#



#33
1,2-Dichloroethane-d4
Concen: 52.67 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VD069109.D
Acq: 07 May 2021 18:21

Tgt Ion: 65 Resp: 130805
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.867 min Scan# 1181

Delta R.T. 0.006 min

Lab File: VD069109.D

Acq: 07 May 2021 18:21

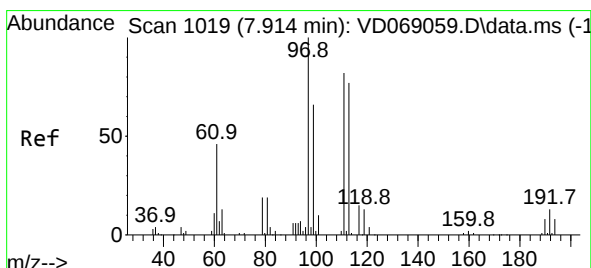
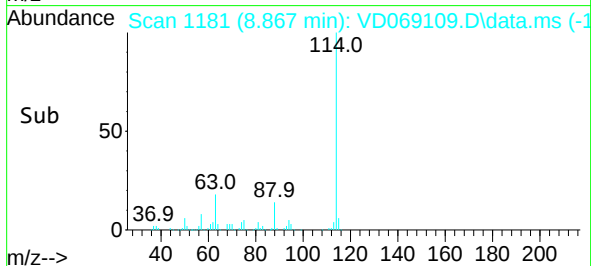
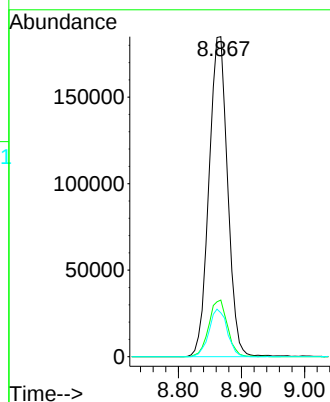
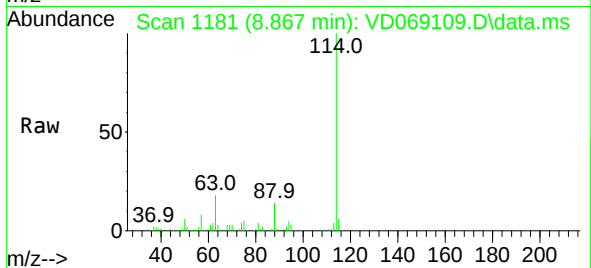
Tgt Ion:114 Resp: 378759

Ion Ratio Lower Upper

114 100

63 17.7 0.0 41.4

88 13.7 0.0 27.8



#35

Dibromofluoromethane

Concen: 53.93 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.000 min

Lab File: VD069109.D

Acq: 07 May 2021 18:21

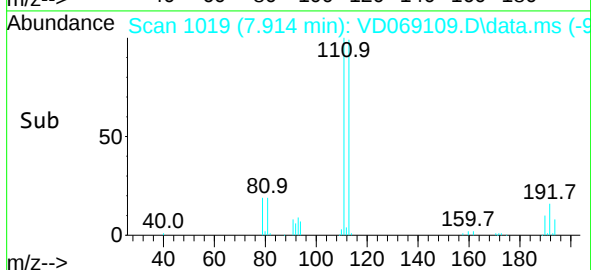
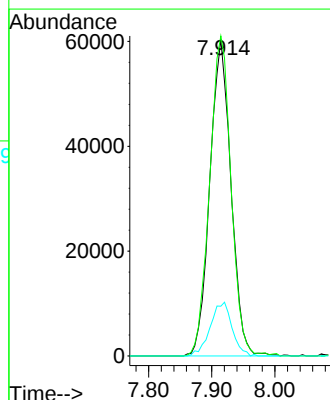
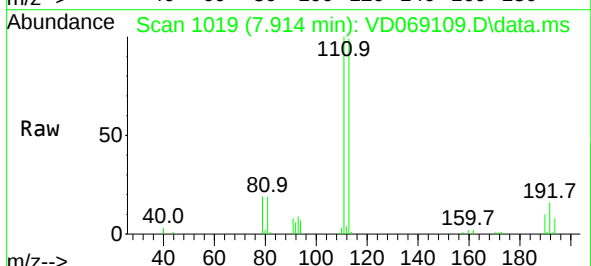
Tgt Ion:113 Resp: 140090

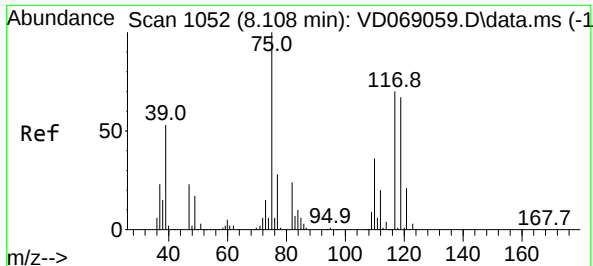
Ion Ratio Lower Upper

113 100

111 102.9 84.6 126.8

192 17.6 13.5 20.3

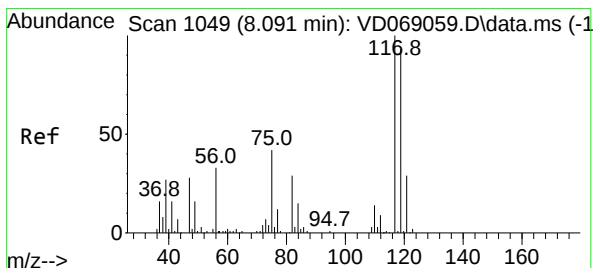
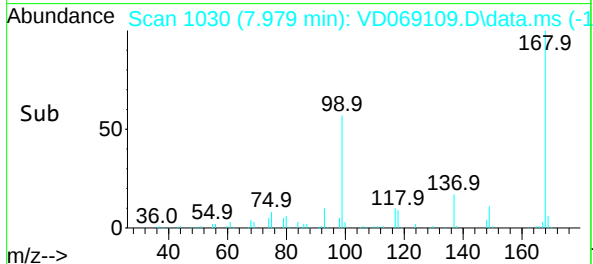
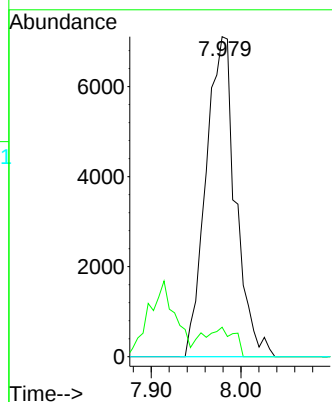
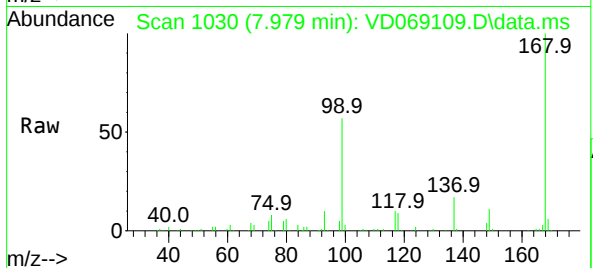




#36
1,1-Dichloropropene
Concen: 4.09 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.130 min
Lab File: VD069109.D
Acq: 07 May 2021 18:21

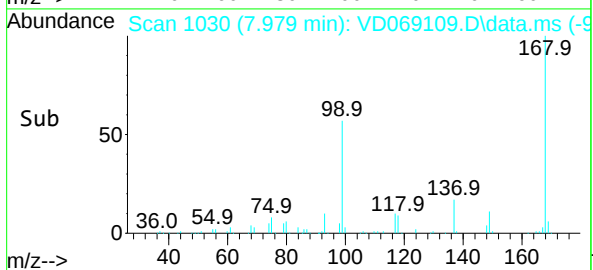
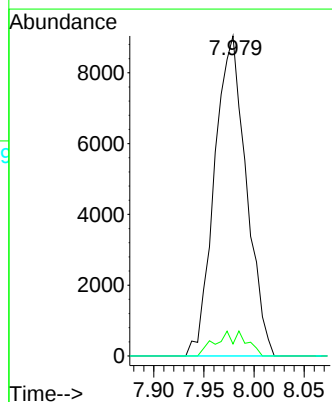
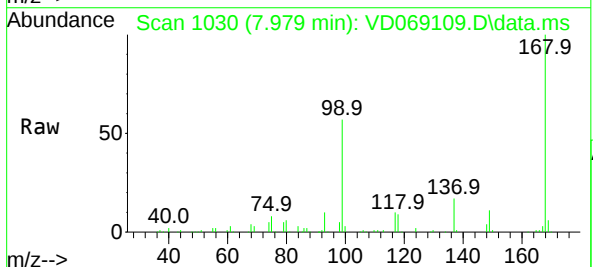
Instrument :
MSVOA_D
ClientSampleId :
MH-TP2

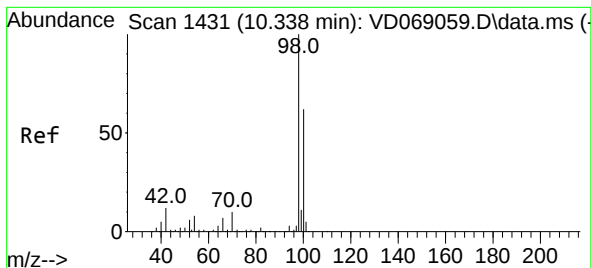
Tgt Ion: 75 Resp: 16310
Ion Ratio Lower Upper
75 100
110 9.9 17.3 51.7#
77 0.0 23.9 35.9#



#38
Carbon Tetrachloride
Concen: 4.61 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD069109.D
Acq: 07 May 2021 18:21

Tgt Ion: 117 Resp: 19937
Ion Ratio Lower Upper
117 100
119 3.7 74.7 112.1#
121 0.0 23.1 34.7#

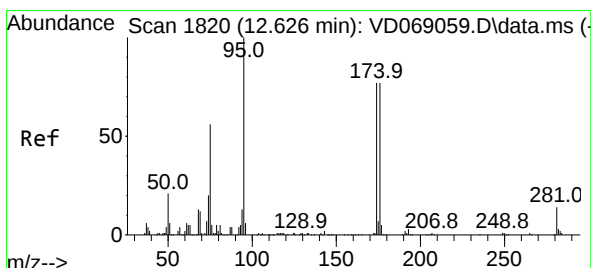
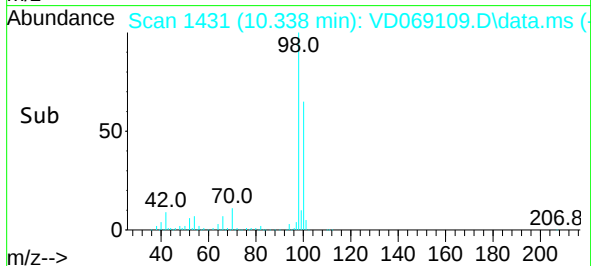
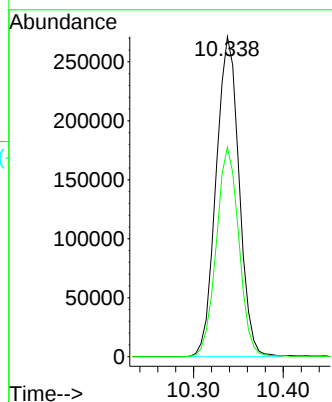
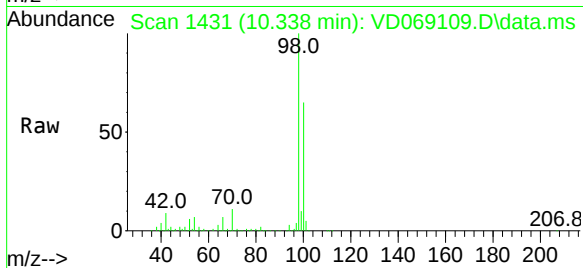




#50
Toluene-d8
Concen: 50.43 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD069109.D
Acq: 07 May 2021 18:21

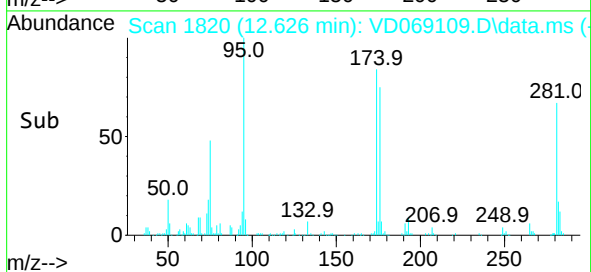
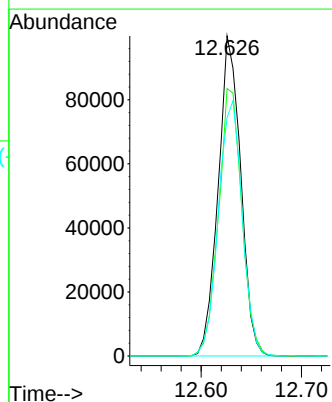
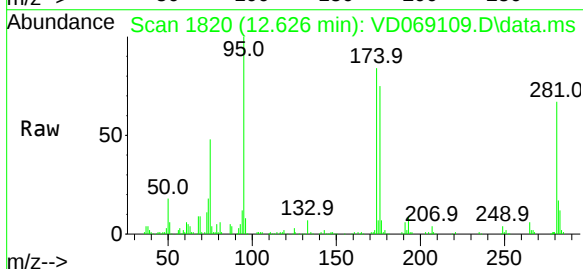
Instrument :
MSVOA_D
ClientSampleId :
MH-TP2

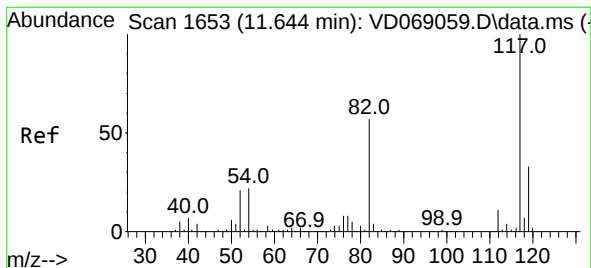
Tgt Ion: 98 Resp: 483530
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 49.29 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD069109.D
Acq: 07 May 2021 18:21

Tgt Ion: 95 Resp: 155454
Ion Ratio Lower Upper
95 100
174 86.6 0.0 156.0
176 84.7 0.0 149.4

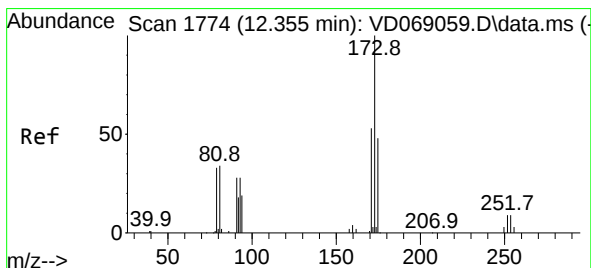
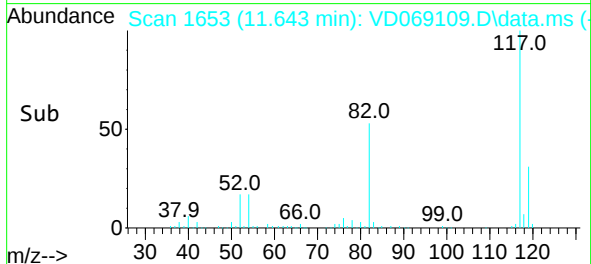
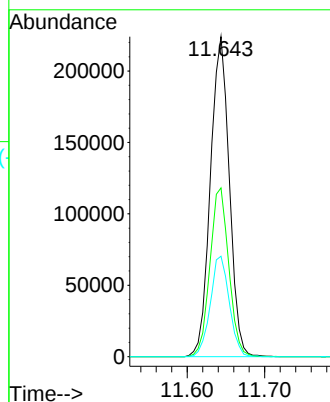
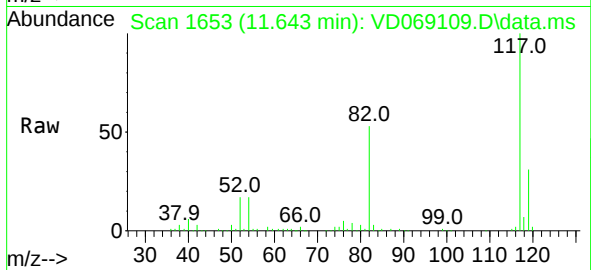




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.643 min Scan# 1653
Delta R.T. -0.000 min
Lab File: VD069109.D
Acq: 07 May 2021 18:21

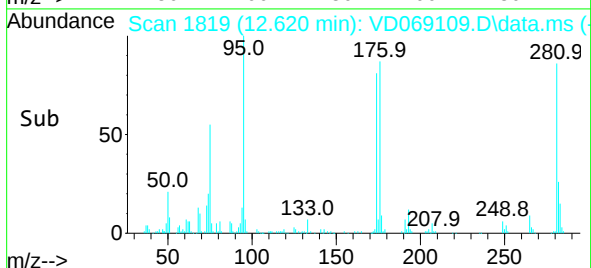
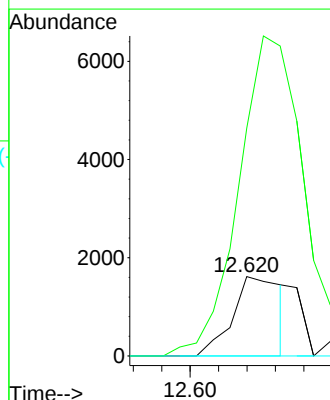
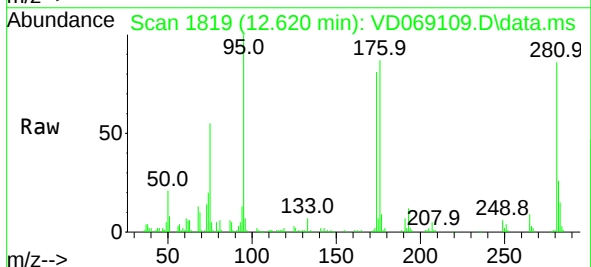
Instrument :
MSVOA_D
ClientSampleId :
MH-TP2

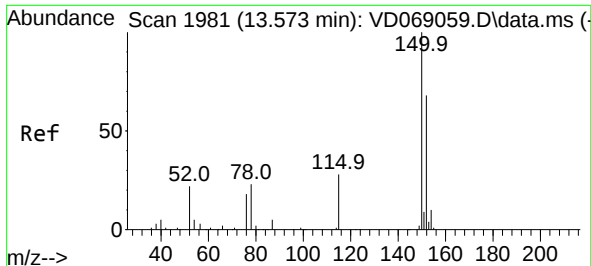
Tgt Ion:117 Resp: 378990
Ion Ratio Lower Upper
117 100
82 52.8 45.4 68.2
119 31.4 26.8 40.2



#71
Bromoform
Concen: 1.29 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD069109.D
Acq: 07 May 2021 18:21

Tgt Ion:173 Resp: 1936
Ion Ratio Lower Upper
173 100
175 382.8 23.8 71.4#
254 0.0 0.0 0.0

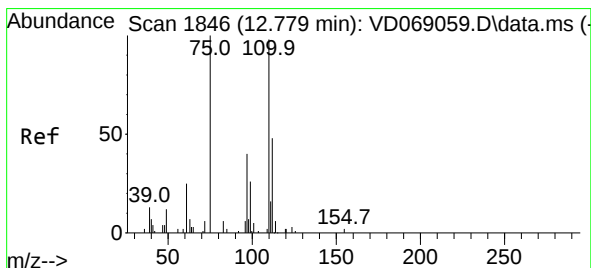
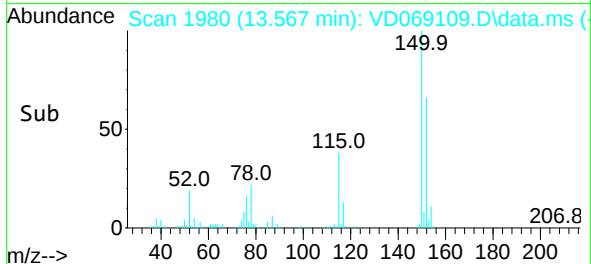
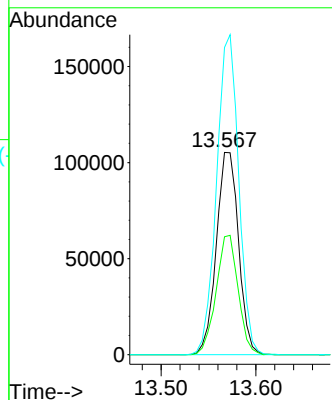
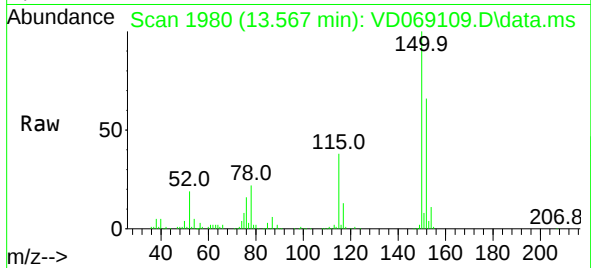




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD069109.D
Acq: 07 May 2021 18:21

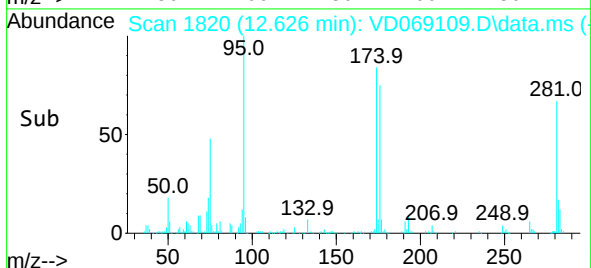
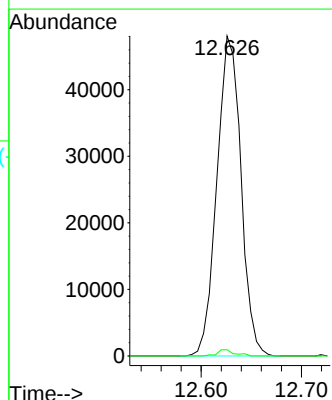
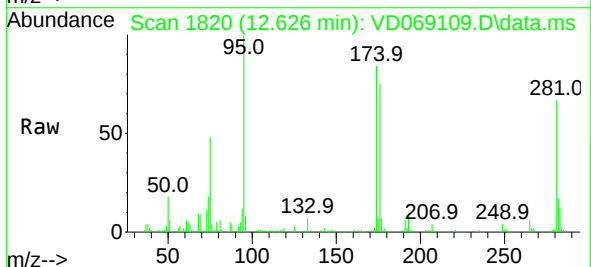
Instrument :
MSVOA_D
ClientSampleId :
MH-TP2

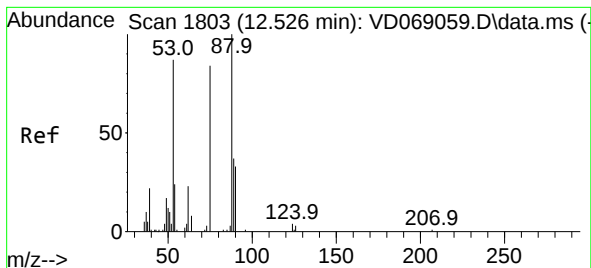
Tgt Ion:152 Resp: 171894
Ion Ratio Lower Upper
152 100
115 58.4 30.5 91.5
150 157.2 0.0 340.8



#76
1,2,3-Trichloropropane
Concen: 53.37 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.153 min
Lab File: VD069109.D
Acq: 07 May 2021 18:21

Tgt Ion: 75 Resp: 79868
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

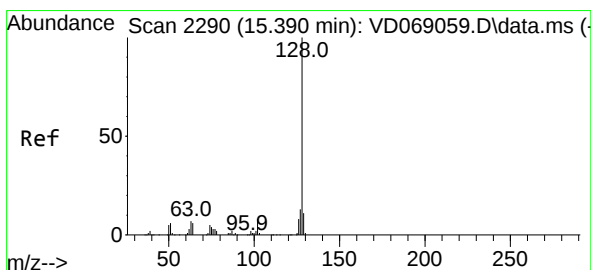
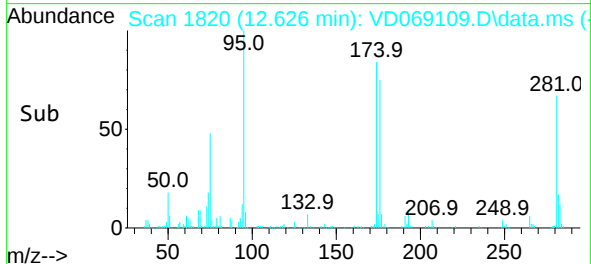
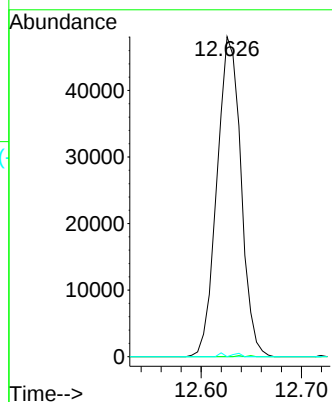
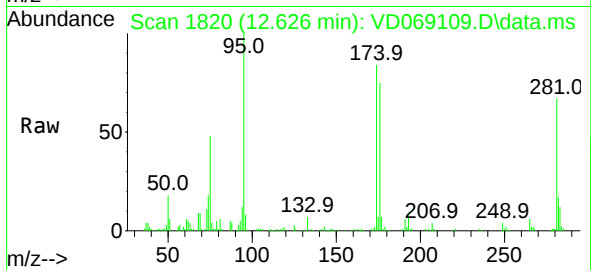




#81
trans-1,4-Dichloro-2-butene
Concen: 116.14 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.100 min
Lab File: VD069109.D
Acq: 07 May 2021 18:21

Instrument :
MSVOA_D
ClientSampleId :
MH-TP2

Tgt Ion: 75 Resp: 79868
Ion Ratio Lower Upper
75 100
53 0.0 80.4 120.6#
89 0.3 37.8 56.8#



#95
Naphthalene
Concen: 2.88 ug/l
RT: 15.396 min Scan# 2291
Delta R.T. 0.006 min
Lab File: VD069109.D
Acq: 07 May 2021 18:21

Tgt Ion: 128 Resp: 301
Ion Ratio Lower Upper
128 100
127 0.0 10.7 16.1#
129 0.0 8.5 12.7#

