

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042122\
 Data File : VD072675.D
 Acq On : 21 Apr 2022 17:14
 Operator : VA/SY
 Sample : N2494-05
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-1D

Quant Time: Apr 22 03:42:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 02:44:36 2022
 Response via : Initial Calibration

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

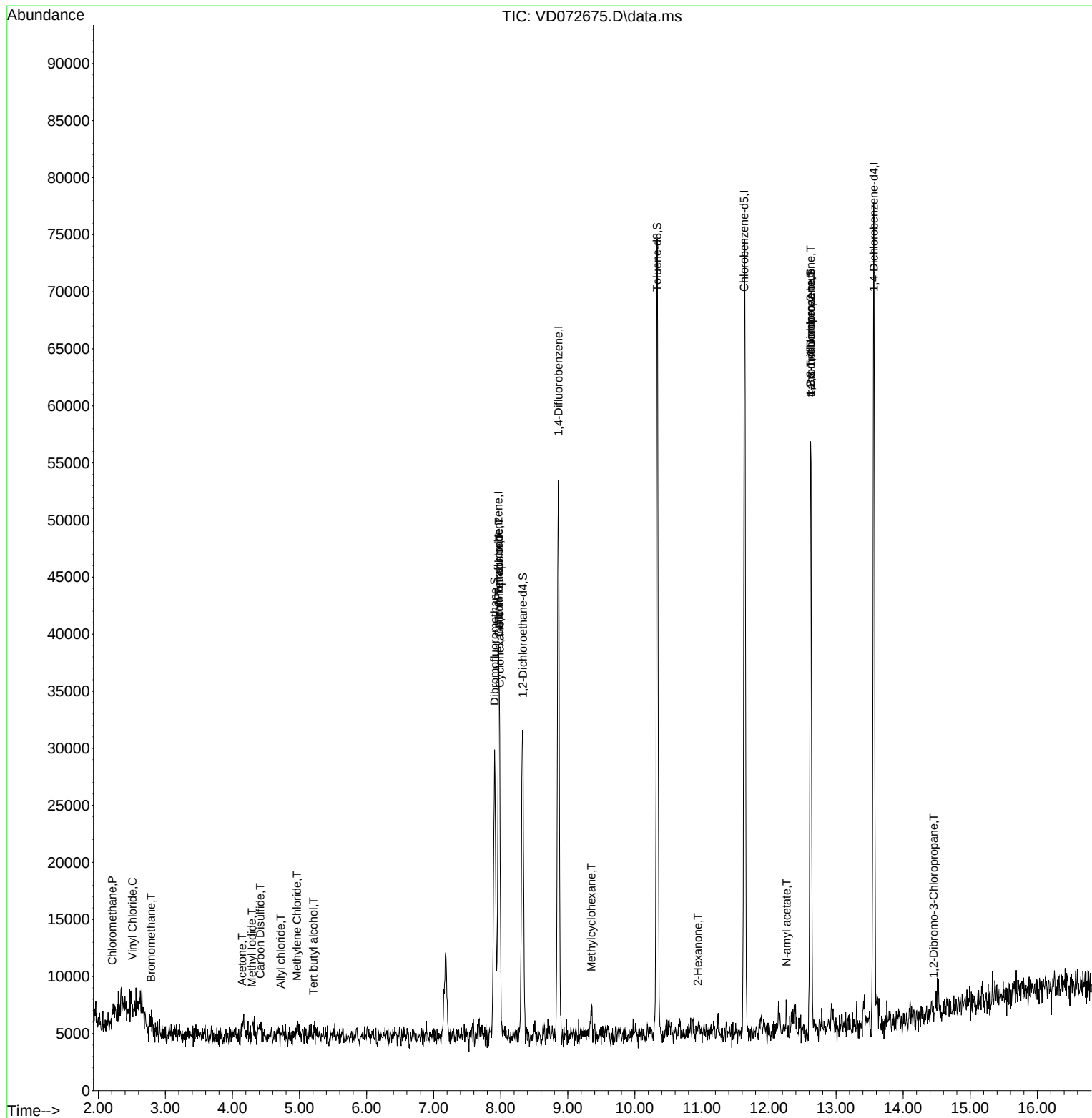
Internal Standards						
1) Pentafluorobenzene	7.967	168	23876	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.861	114	40016	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	41392	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	18395	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	22292	77.181	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 154.360%	
35) Dibromofluoromethane	7.909	113	17552	56.441	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.880%	
50) Toluene-d8	10.332	98	46521	43.036	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 86.080%	
62) 4-Bromofluorobenzene	12.620	95	16922	40.083	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 80.160%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.209	50	680	3.880	ug/l	96
4) Vinyl Chloride	2.509	62	54	1.213	ug/l #	43
5) Bromomethane	2.785	94	1091	8.078	ug/l #	70
10) Methyl Iodide	4.291	142	833	6.746	ug/l #	43
11) Tert butyl alcohol	5.209	59	169	11.080	ug/l #	74
14) Allyl chloride	4.720	41	58	1.277	ug/l #	22
16) Acetone	4.144	43	1044	19.385	ug/l #	47
17) Carbon Disulfide	4.415	76	59	3.744	ug/l #	74
20) Methylene Chloride	4.962	84	693	2.161	ug/l #	89
31) Cyclohexane	7.985	56	612	1.620	ug/l #	41
36) 1,1-Dichloropropene	7.979	75	1787	5.520	ug/l #	55
38) Carbon Tetrachloride	7.973	117	2989	6.977	ug/l #	13
39) Methylcyclohexane	9.350	83	729	4.361	ug/l #	71
59) 2-Hexanone	10.938	43	586	5.081	ug/l #	27
74) N-amyl acetate	12.261	43	478	1.533	ug/l #	42
76) 1,2,3-Trichloropropane	12.620	75	9064	45.178	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	9064	110.859	ug/l #	7
92) 1,2-Dibromo-3-Chloropr...	14.455	75	68	1.634	ug/l #	6

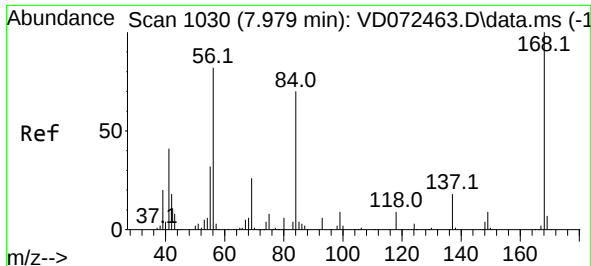
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Mar 30 02:44:36 2022
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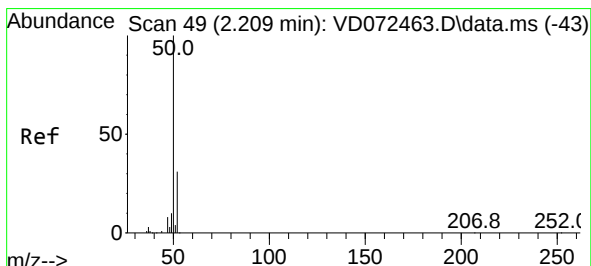
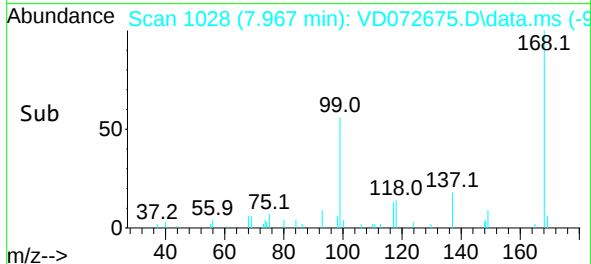
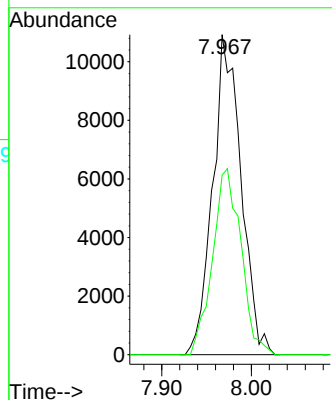
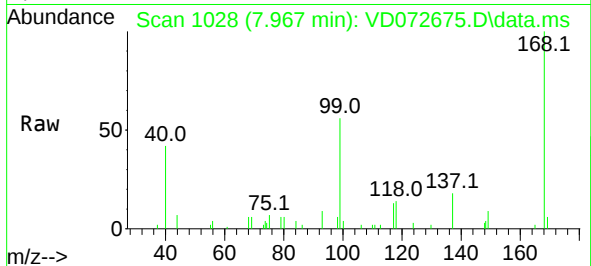




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD072675.D
Acq: 21 Apr 2022 17:14

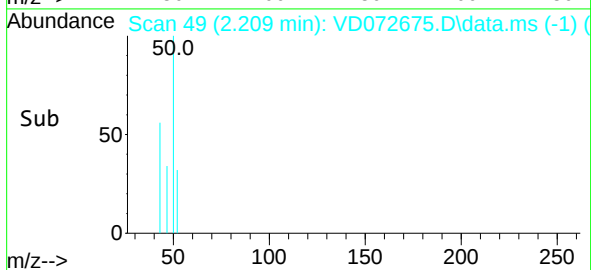
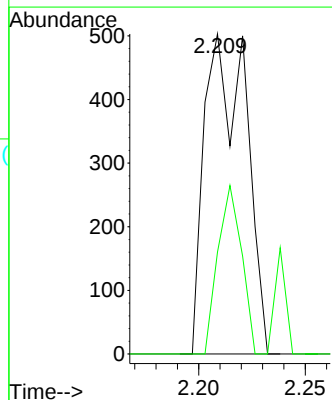
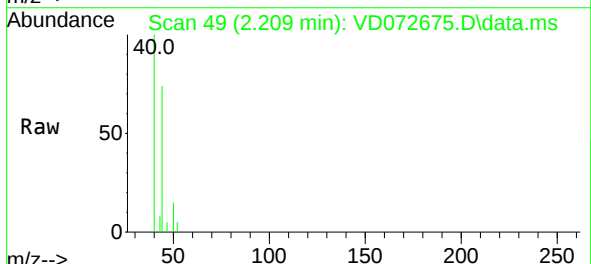
Instrument :
MSVOA_D
ClientSampleId :
MH-1D

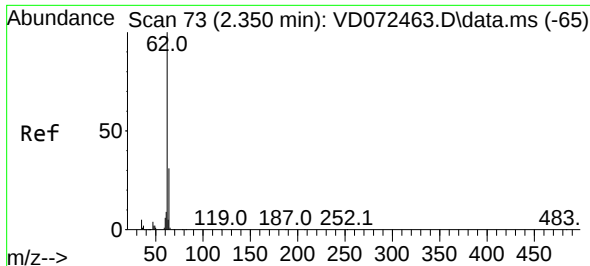
Tgt Ion:168 Resp: 23876
Ion Ratio Lower Upper
168 100
99 56.1 49.8 74.6



#3
Chloromethane
Concen: 3.880 ug/l
RT: 2.209 min Scan# 49
Delta R.T. 0.000 min
Lab File: VD072675.D
Acq: 21 Apr 2022 17:14

Tgt Ion: 50 Resp: 680
Ion Ratio Lower Upper
50 100
52 31.8 27.4 41.0

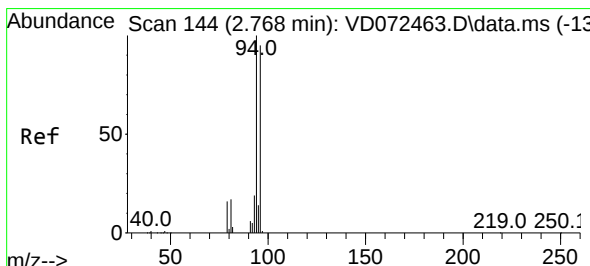
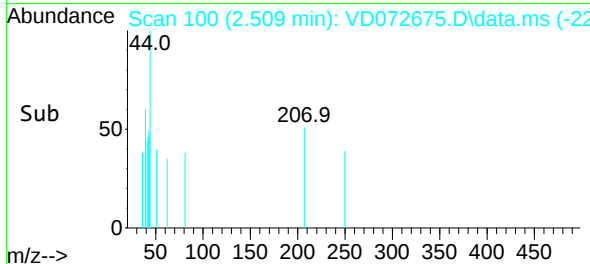
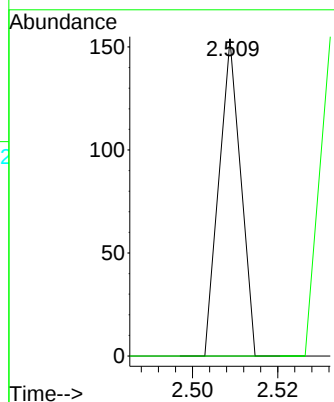
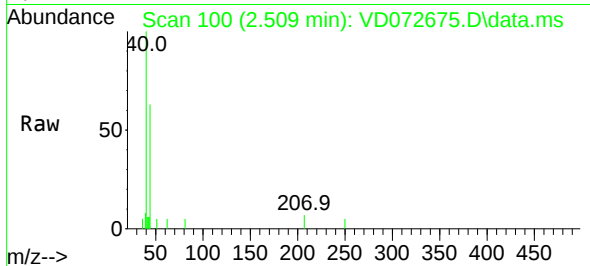




#4
 Vinyl Chloride
 Concen: 1.213 ug/l
 RT: 2.509 min Scan# 100
 Delta R.T. 0.159 min
 Lab File: VD072675.D
 Acq: 21 Apr 2022 17:14

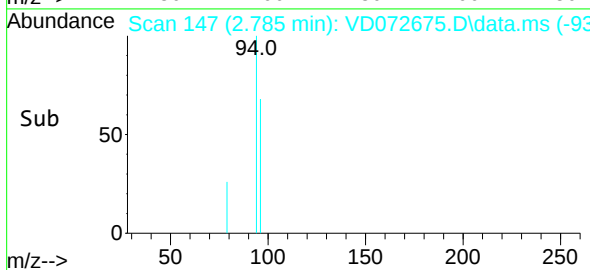
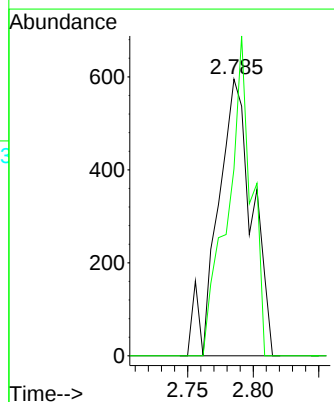
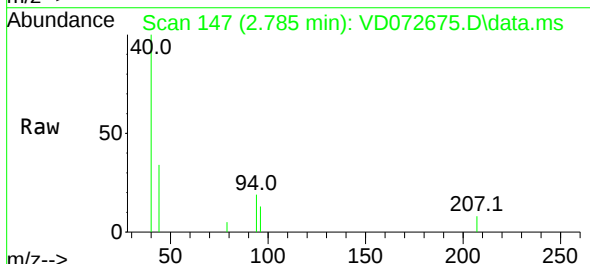
Instrument :
 MSVOA_D
 ClientSampleId :
 MH-1D

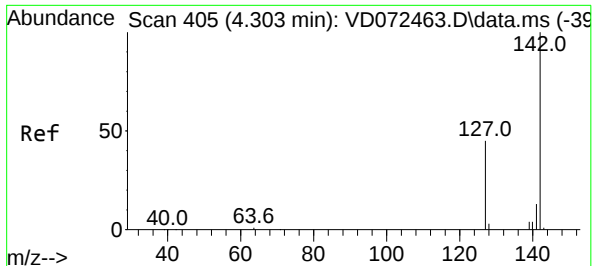
Tgt Ion: 62 Resp: 54
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.4 38.0#



#5
 Bromomethane
 Concen: 8.078 ug/l
 RT: 2.785 min Scan# 147
 Delta R.T. 0.018 min
 Lab File: VD072675.D
 Acq: 21 Apr 2022 17:14

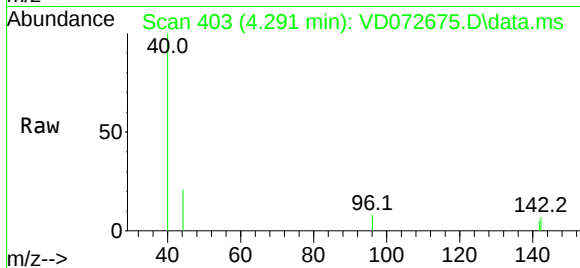
Tgt Ion: 94 Resp: 1091
 Ion Ratio Lower Upper
 94 100
 96 67.6 77.6 116.4#



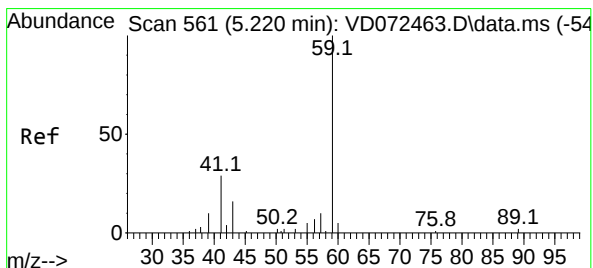
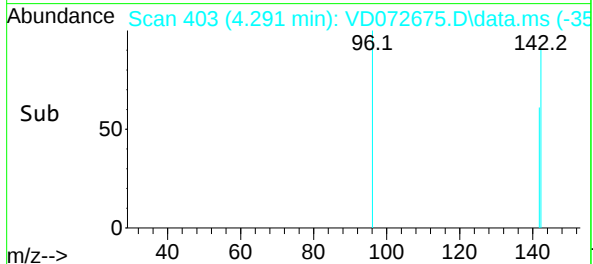
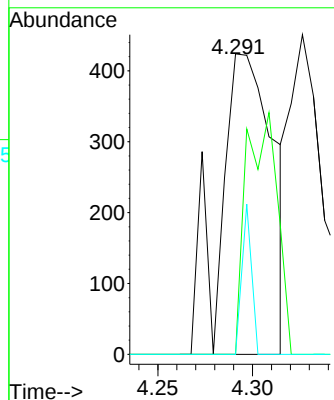


#10
Methyl Iodide
Concen: 6.746 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD072675.D
Acq: 21 Apr 2022 17:14

Instrument :
MSVOA_D
ClientSampleId :
MH-1D

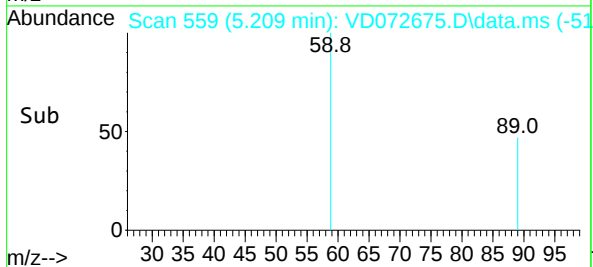
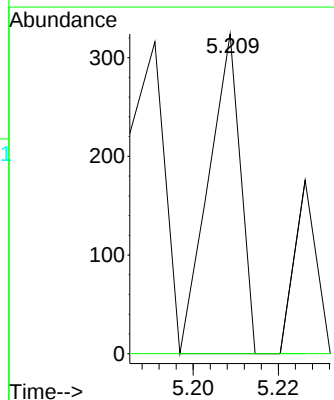
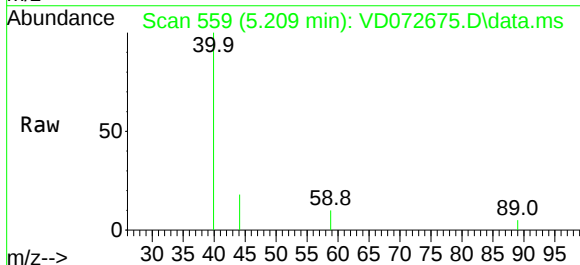


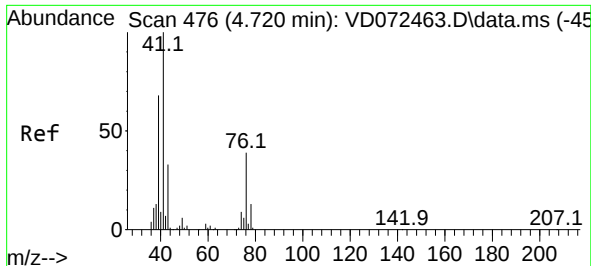
Tgt Ion:142 Resp: 833
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 9.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 11.080 ug/l
RT: 5.209 min Scan# 559
Delta R.T. -0.012 min
Lab File: VD072675.D
Acq: 21 Apr 2022 17:14

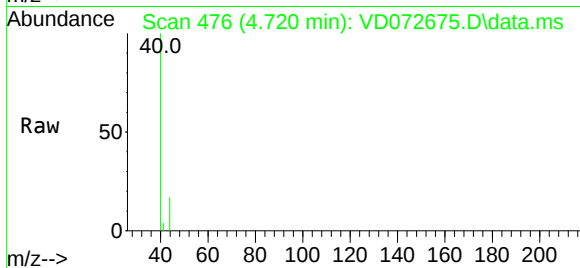
Tgt Ion: 59 Resp: 169
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



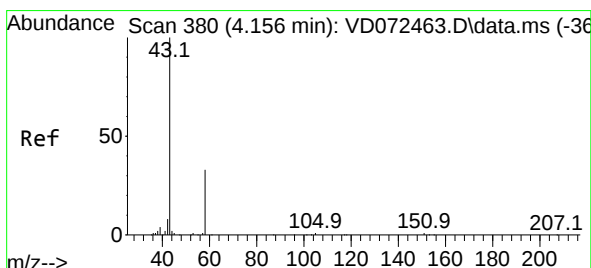
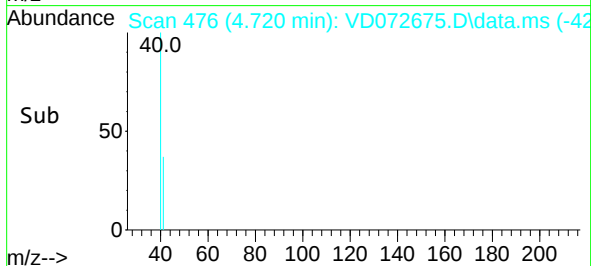
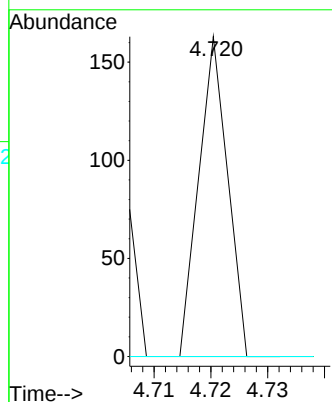


#14
 Allyl chloride
 Concen: 1.277 ug/l
 RT: 4.720 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VD072675.D
 Acq: 21 Apr 2022 17:14

Instrument :
 MSVOA_D
 ClientSampleId :
 MH-1D

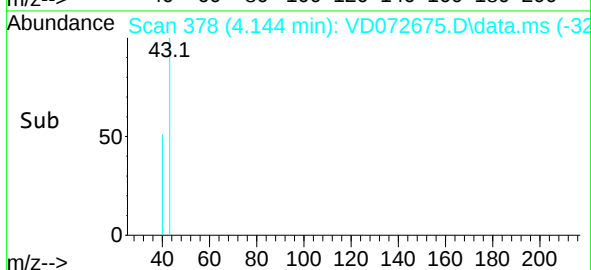
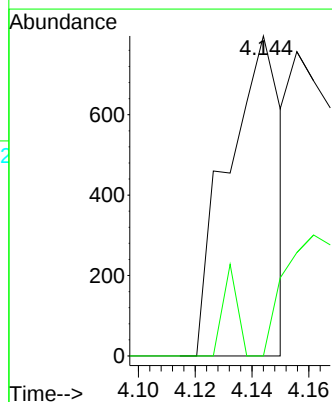
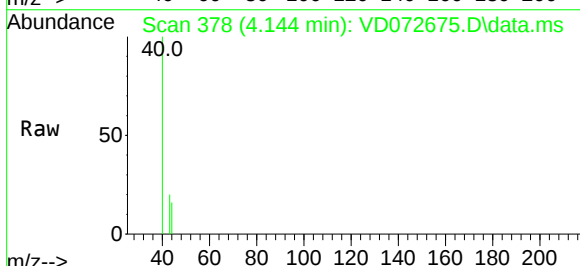


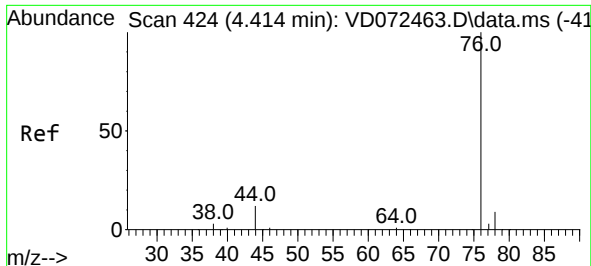
Tgt Ion: 41 Resp: 58
 Ion Ratio Lower Upper
 41 100
 39 0.0 59.3 88.9#
 76 0.0 25.7 38.5#



#16
 Acetone
 Concen: 19.385 ug/l
 RT: 4.144 min Scan# 378
 Delta R.T. -0.012 min
 Lab File: VD072675.D
 Acq: 21 Apr 2022 17:14

Tgt Ion: 43 Resp: 1044
 Ion Ratio Lower Upper
 43 100
 58 0.0 22.1 33.1#

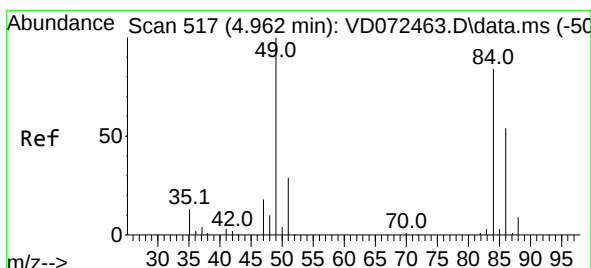
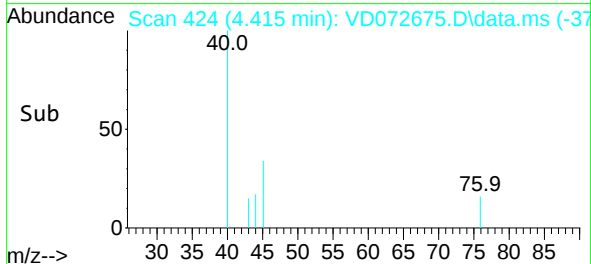
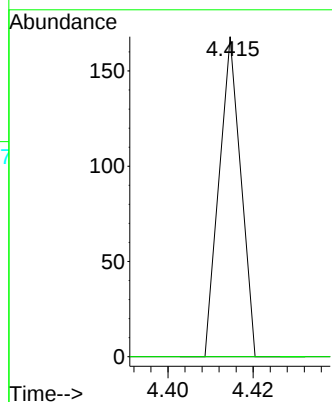
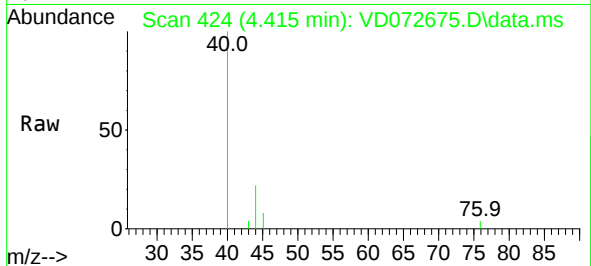




#17
Carbon Disulfide
Concen: 3.744 ug/l
RT: 4.415 min Scan# 41
Delta R.T. 0.001 min
Lab File: VD072675.D
Acq: 21 Apr 2022 17:14

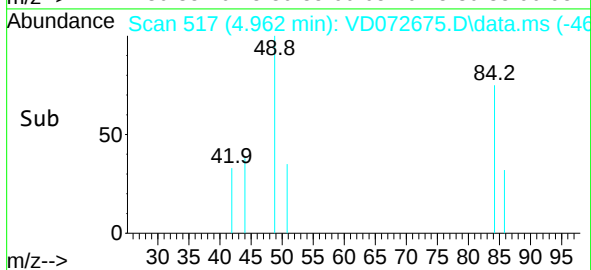
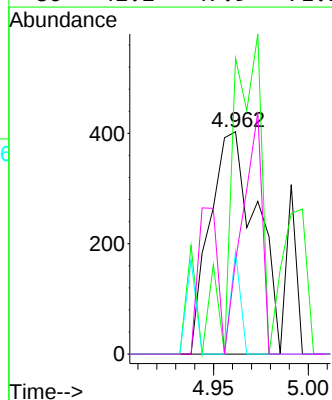
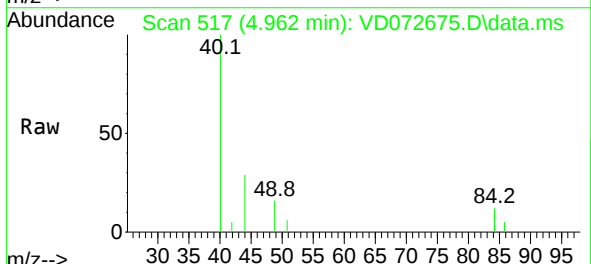
Instrument :
MSVOA_D
ClientSampleId :
MH-1D

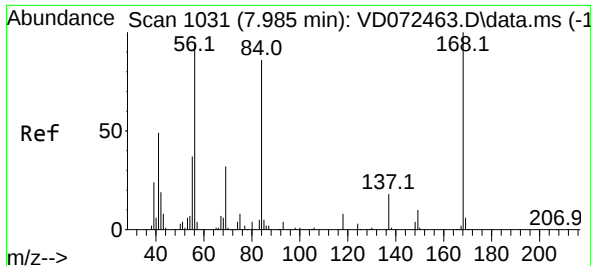
Tgt Ion: 76 Resp: 59
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#20
Methylene Chloride
Concen: 2.161 ug/l
RT: 4.962 min Scan# 517
Delta R.T. 0.000 min
Lab File: VD072675.D
Acq: 21 Apr 2022 17:14

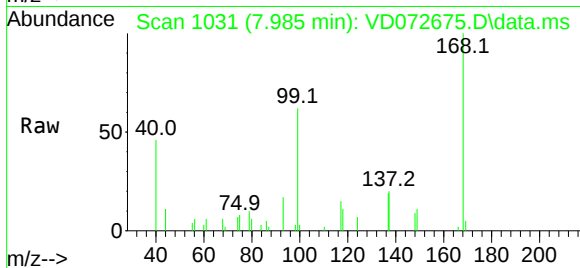
Tgt Ion: 84 Resp: 693
Ion Ratio Lower Upper
84 100
49 133.0 112.8 169.2
51 46.2 32.6 48.8
86 42.2 47.9 71.9#



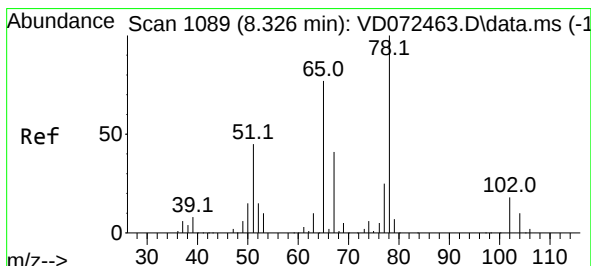
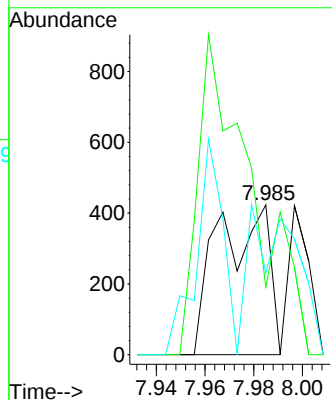
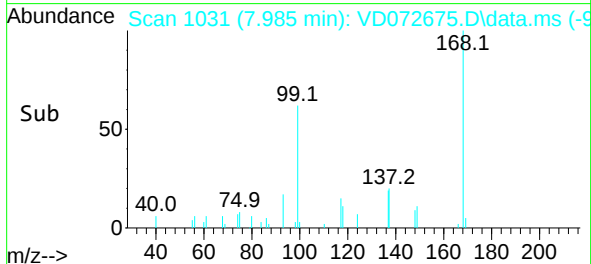


#31
Cyclohexane
Concen: 1.620 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VD072675.D
Acq: 21 Apr 2022 17:14

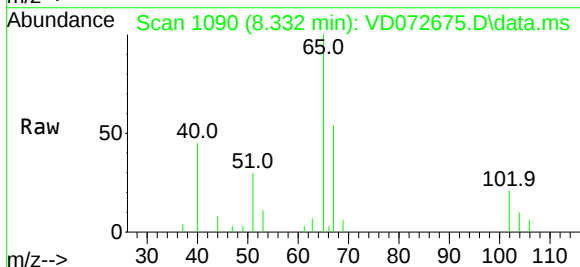
Instrument :
MSVOA_D
ClientSampleId :
MH-1D



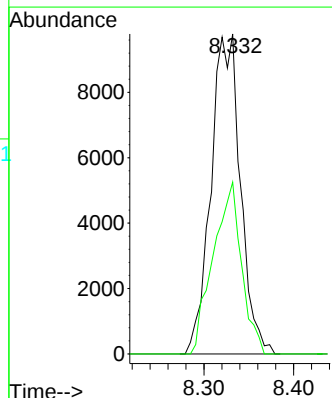
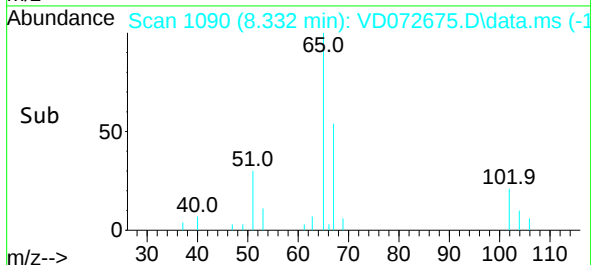
Tgt Ion: 56 Resp: 612
Ion Ratio Lower Upper
56 100
69 45.2 25.4 38.2#
84 15.1 63.0 94.4#

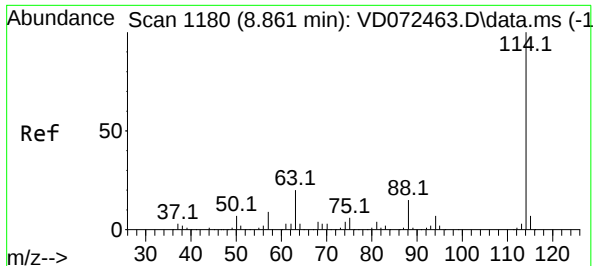


#33
1,2-Dichloroethane-d4
Concen: 77.181 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD072675.D
Acq: 21 Apr 2022 17:14



Tgt Ion: 65 Resp: 22292
Ion Ratio Lower Upper
65 100
67 51.6 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: VD072675.D

Acq: 21 Apr 2022 17:14

Instrument :

MSVOA_D

ClientSampleId :

MH-1D

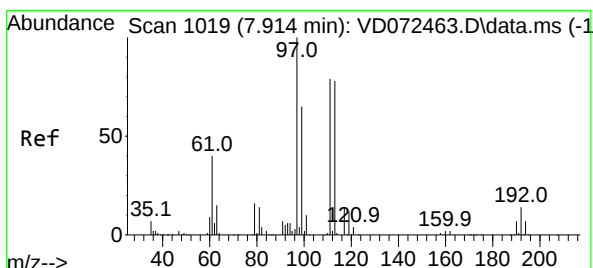
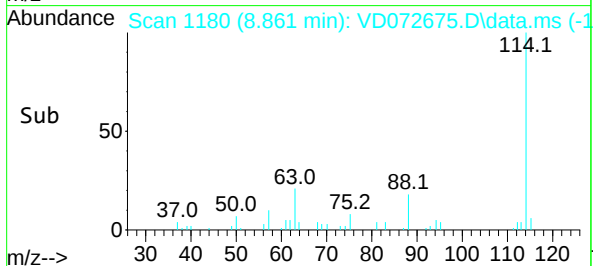
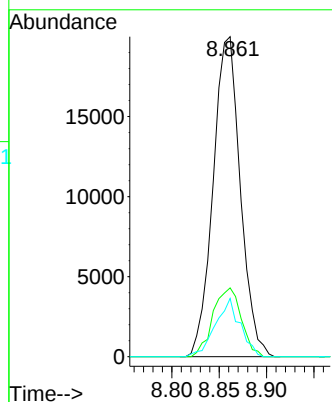
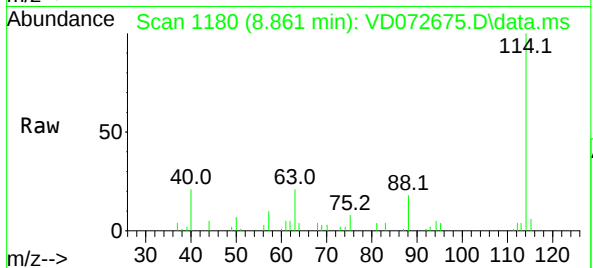
Tgt Ion:114 Resp: 40016

Ion Ratio Lower Upper

114 100

63 21.5 0.0 46.6

88 18.2 0.0 33.2



#35

Dibromofluoromethane

Concen: 56.441 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD072675.D

Acq: 21 Apr 2022 17:14

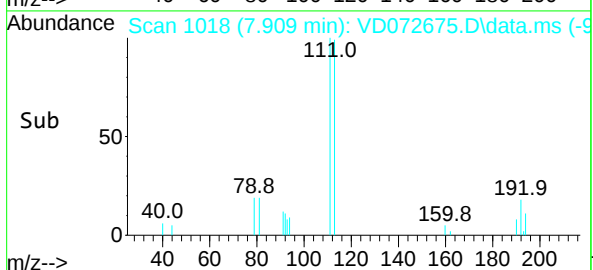
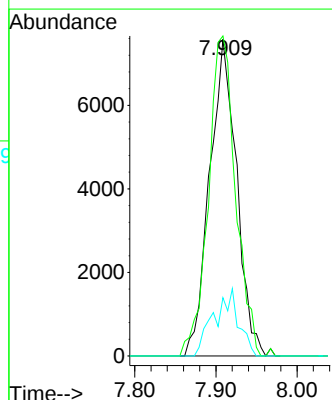
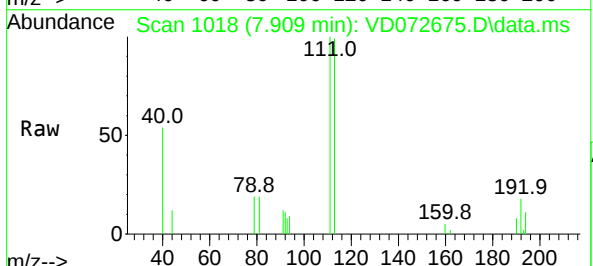
Tgt Ion:113 Resp: 17552

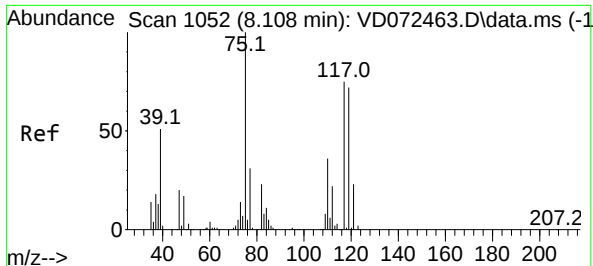
Ion Ratio Lower Upper

113 100

111 101.7 83.8 125.6

192 19.3 14.6 21.8





#36

1,1-Dichloropropene

Concen: 5.520 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD072675.D

Acq: 21 Apr 2022 17:14

Instrument :

MSVOA_D

ClientSampleId :

MH-1D

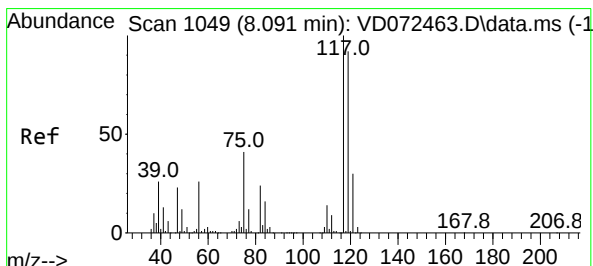
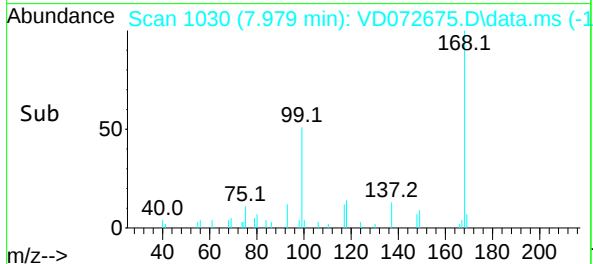
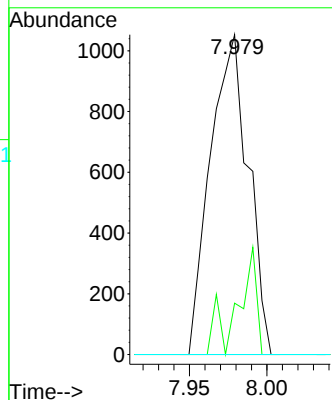
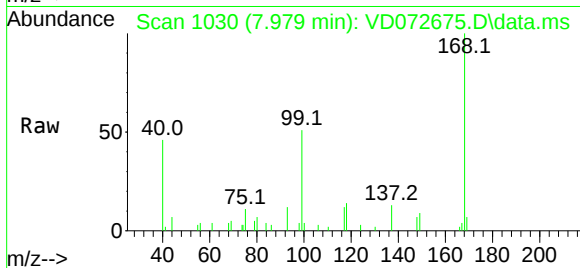
Tgt Ion: 75 Resp: 1787

Ion Ratio Lower Upper

75 100

110 13.3 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 6.977 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD072675.D

Acq: 21 Apr 2022 17:14

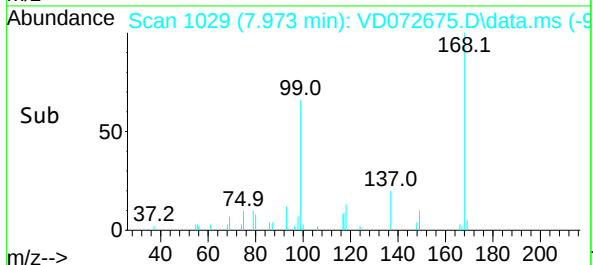
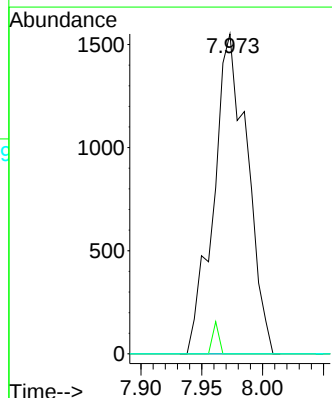
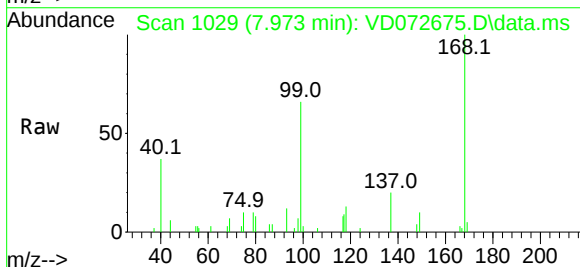
Tgt Ion: 117 Resp: 2989

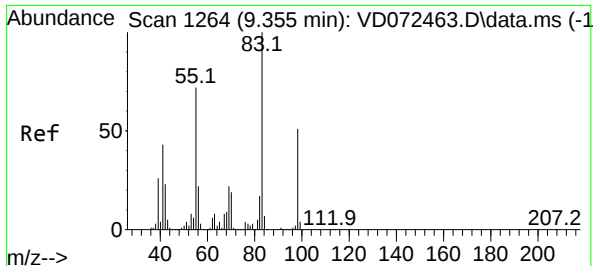
Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.6#

121 0.0 24.5 36.7#





#39

Methylcyclohexane

Concen: 4.361 ug/l

RT: 9.350 min Scan# 11

Delta R.T. -0.005 min

Lab File: VD072675.D

Acq: 21 Apr 2022 17:14

Instrument :

MSVOA_D

ClientSampleId :

MH-1D

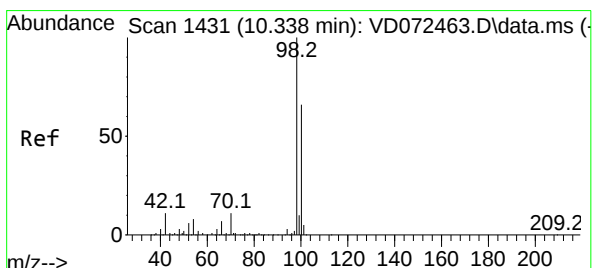
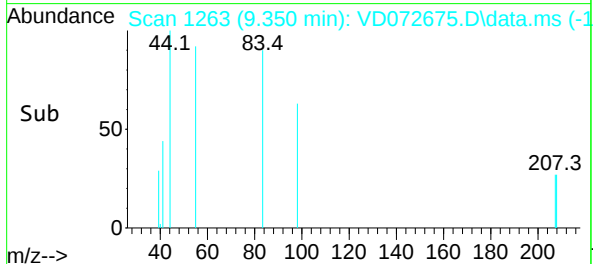
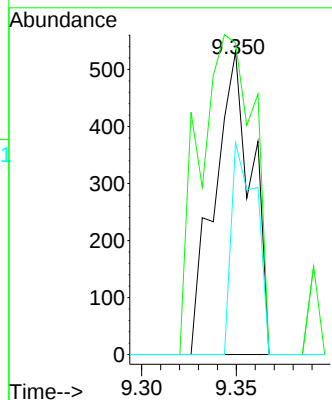
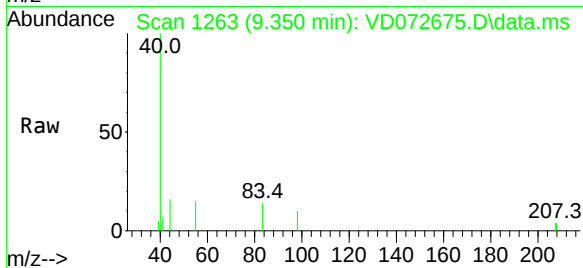
Tgt Ion: 83 Resp: 729

Ion Ratio Lower Upper

83 100

55 102.8 63.2 94.8#

98 70.1 38.2 57.4#



#50

Toluene-d8

Concen: 43.036 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.006 min

Lab File: VD072675.D

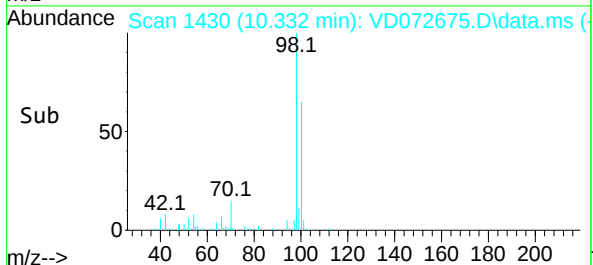
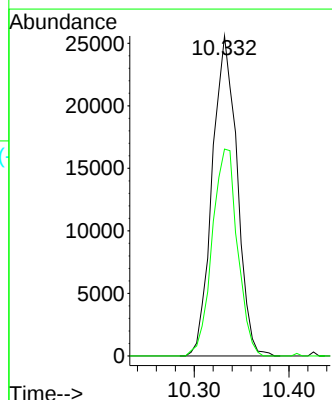
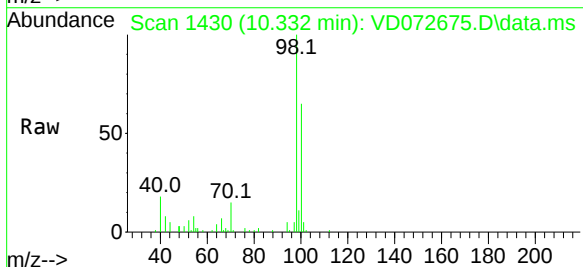
Acq: 21 Apr 2022 17:14

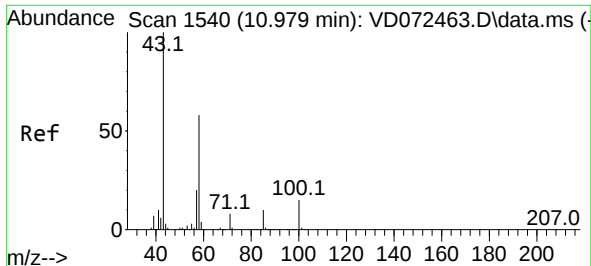
Tgt Ion: 98 Resp: 46521

Ion Ratio Lower Upper

98 100

100 66.1 52.4 78.6

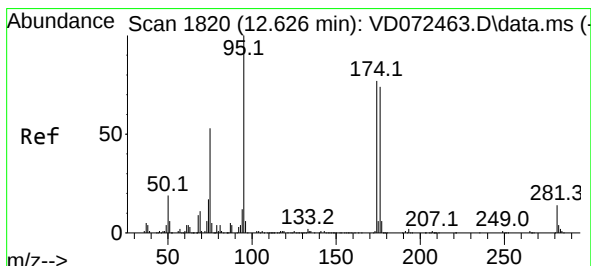
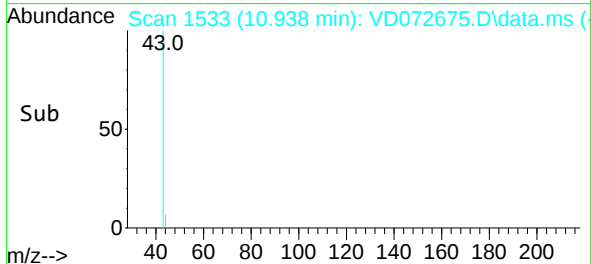
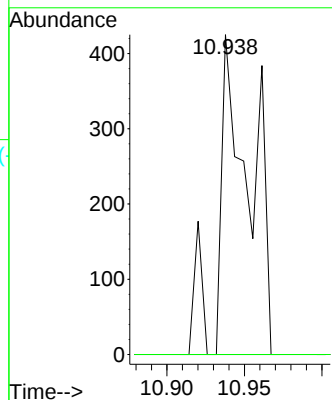
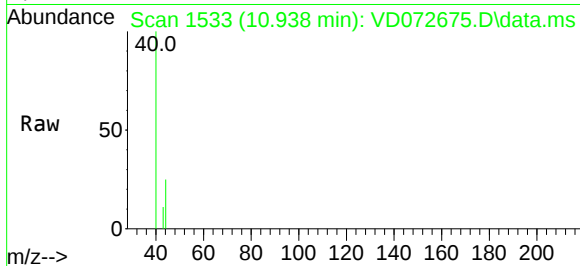




#59
2-Hexanone
Concen: 5.081 ug/l
RT: 10.938 min Scan# 11
Delta R.T. -0.041 min
Lab File: VD072675.D
Acq: 21 Apr 2022 17:14

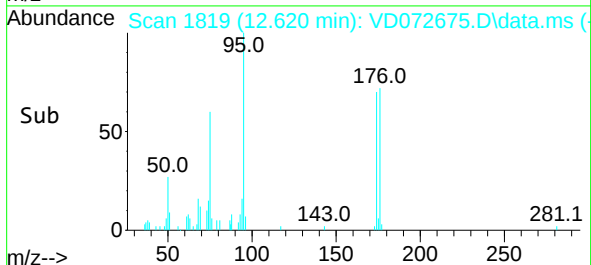
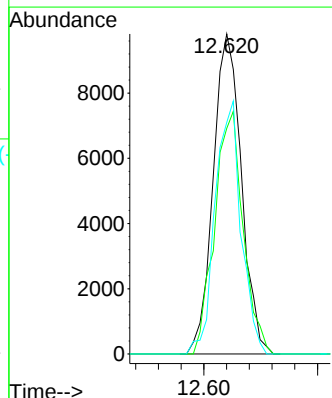
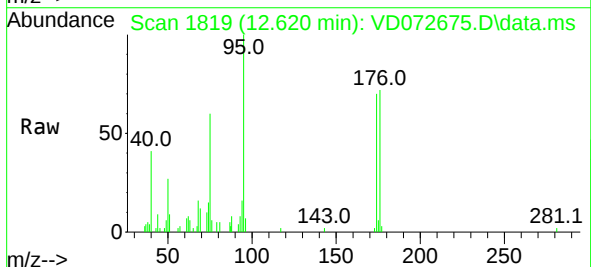
Instrument :
MSVOA_D
ClientSampleId :
MH-1D

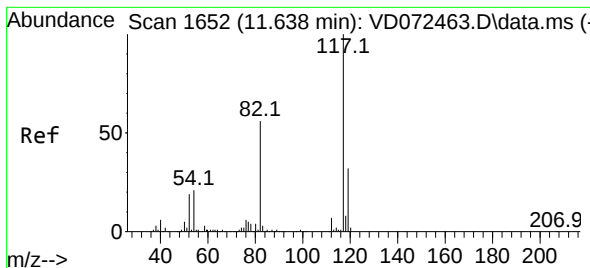
Tgt Ion: 43 Resp: 586
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 40.083 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072675.D
Acq: 21 Apr 2022 17:14

Tgt Ion: 95 Resp: 16922
Ion Ratio Lower Upper
95 100
174 76.6 0.0 152.8
176 72.7 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.632 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD072675.D

Acq: 21 Apr 2022 17:14

Instrument :

MSVOA_D

ClientSampleId :

MH-1D

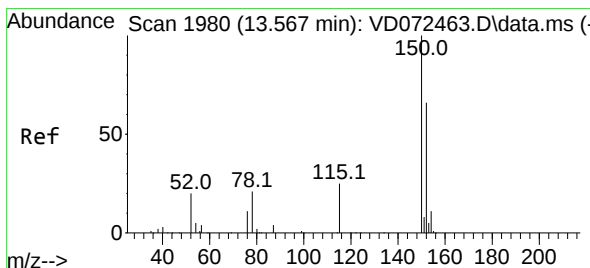
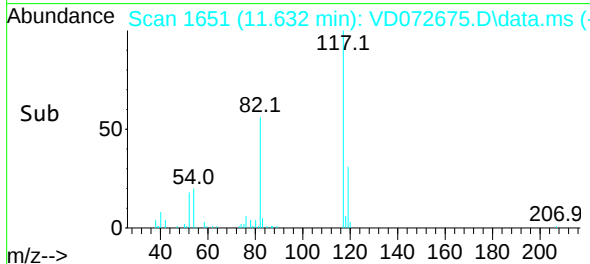
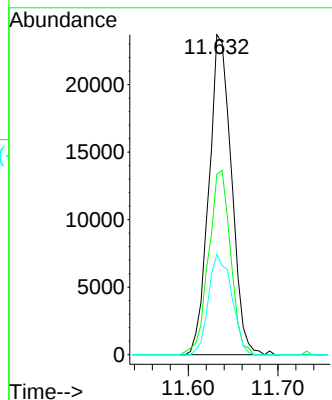
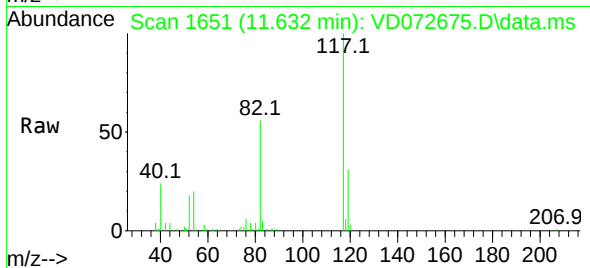
Tgt Ion:117 Resp: 41392

Ion Ratio Lower Upper

117 100

82 56.4 45.3 67.9

119 31.3 26.6 40.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1979

Delta R.T. -0.006 min

Lab File: VD072675.D

Acq: 21 Apr 2022 17:14

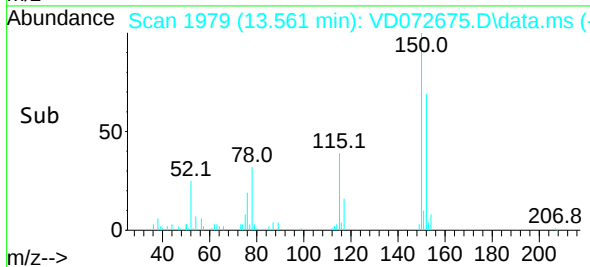
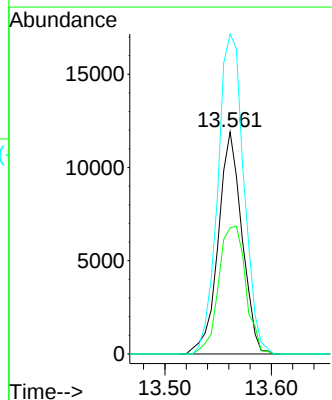
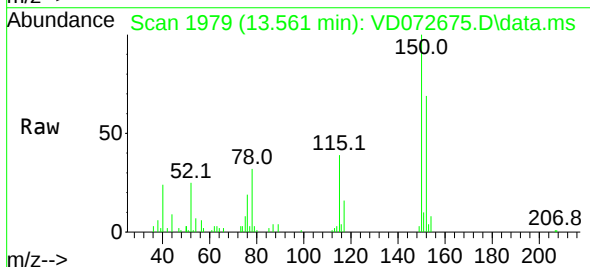
Tgt Ion:152 Resp: 18395

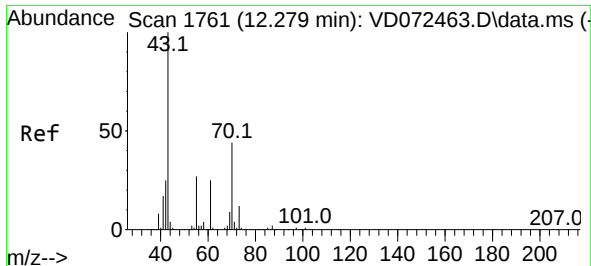
Ion Ratio Lower Upper

152 100

115 65.7 31.3 93.8

150 158.2 0.0 348.6

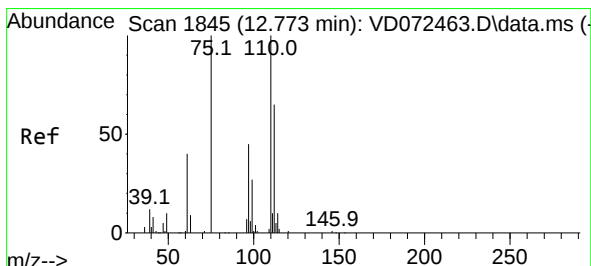
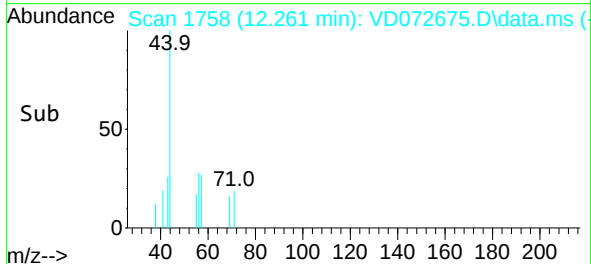
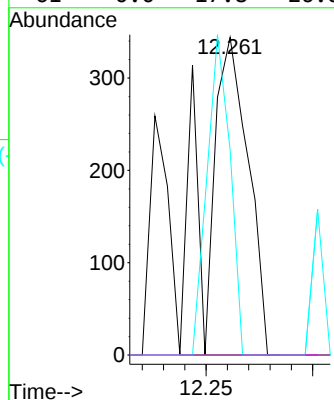
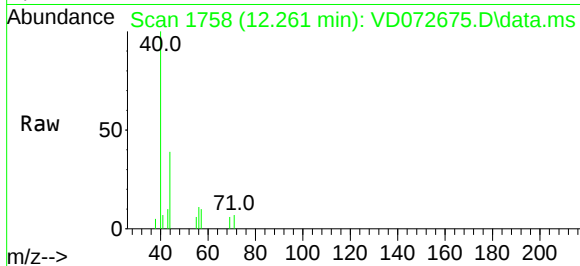




#74
N-amy1 acetate
Concen: 1.533 ug/l
RT: 12.261 min Scan# 1819
Delta R.T. -0.018 min
Lab File: VD072675.D
Acq: 21 Apr 2022 17:14

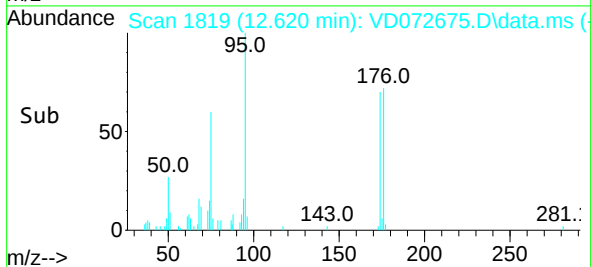
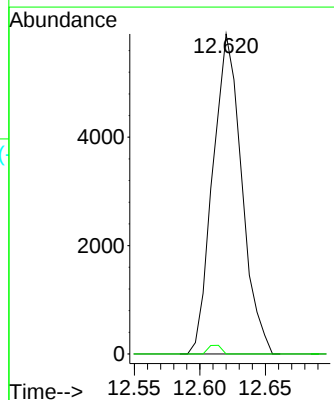
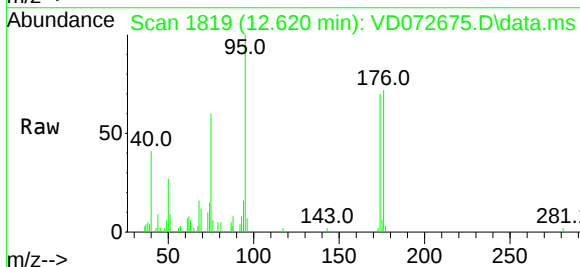
Instrument :
MSVOA_D
ClientSampleId :
MH-1D

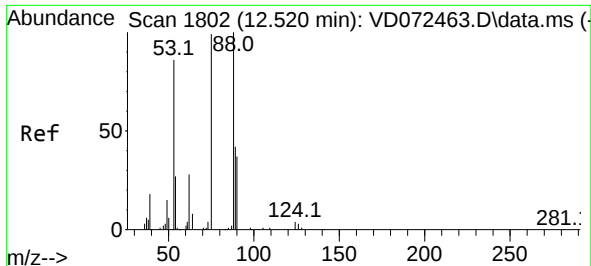
Tgt Ion:	43	Resp:	478
Ion	Ratio	Lower	Upper
43	100		
70	0.0	31.3	46.9#
55	54.4	20.0	30.0#
61	0.0	17.8	26.8#



#76
1,2,3-Trichloropropane
Concen: 45.178 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072675.D
Acq: 21 Apr 2022 17:14

Tgt Ion:	75	Resp:	9064
Ion	Ratio	Lower	Upper
75	100		
77	1.2	0.0	0.0#

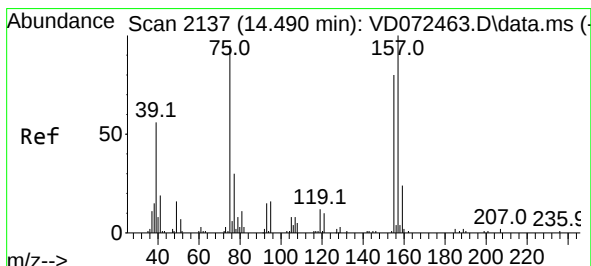
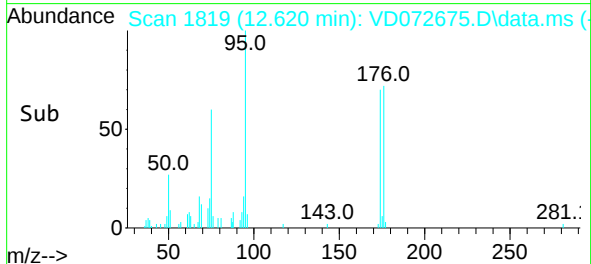
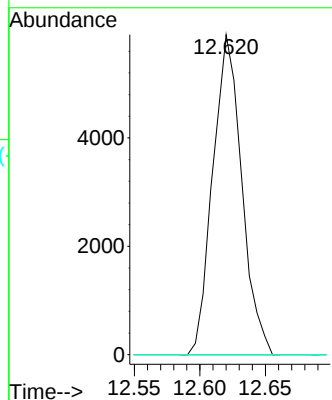
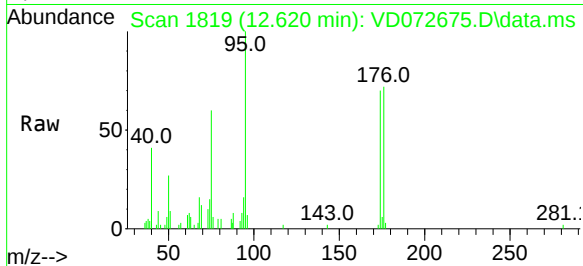




#81
trans-1,4-Dichloro-2-butene
Concen: 110.859 ug/l
RT: 12.620 min Scan# 1802
Delta R.T. 0.100 min
Lab File: VD072675.D
Acq: 21 Apr 2022 17:14

Instrument :
MSVOA_D
ClientSampleId :
MH-1D

Tgt Ion: 75 Resp: 9064
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.634 ug/l
RT: 14.455 min Scan# 2131
Delta R.T. -0.035 min
Lab File: VD072675.D
Acq: 21 Apr 2022 17:14

Tgt Ion: 75 Resp: 68
Ion Ratio Lower Upper
75 100
155 0.0 36.8 110.3#
157 0.0 48.4 145.0#

