

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042122\
 Data File : VD072677.D
 Acq On : 21 Apr 2022 18:11
 Operator : VA/SY
 Sample : N2525-01
 Misc : 5.03G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-01-042122

Quant Time: Apr 22 03:42:25 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)

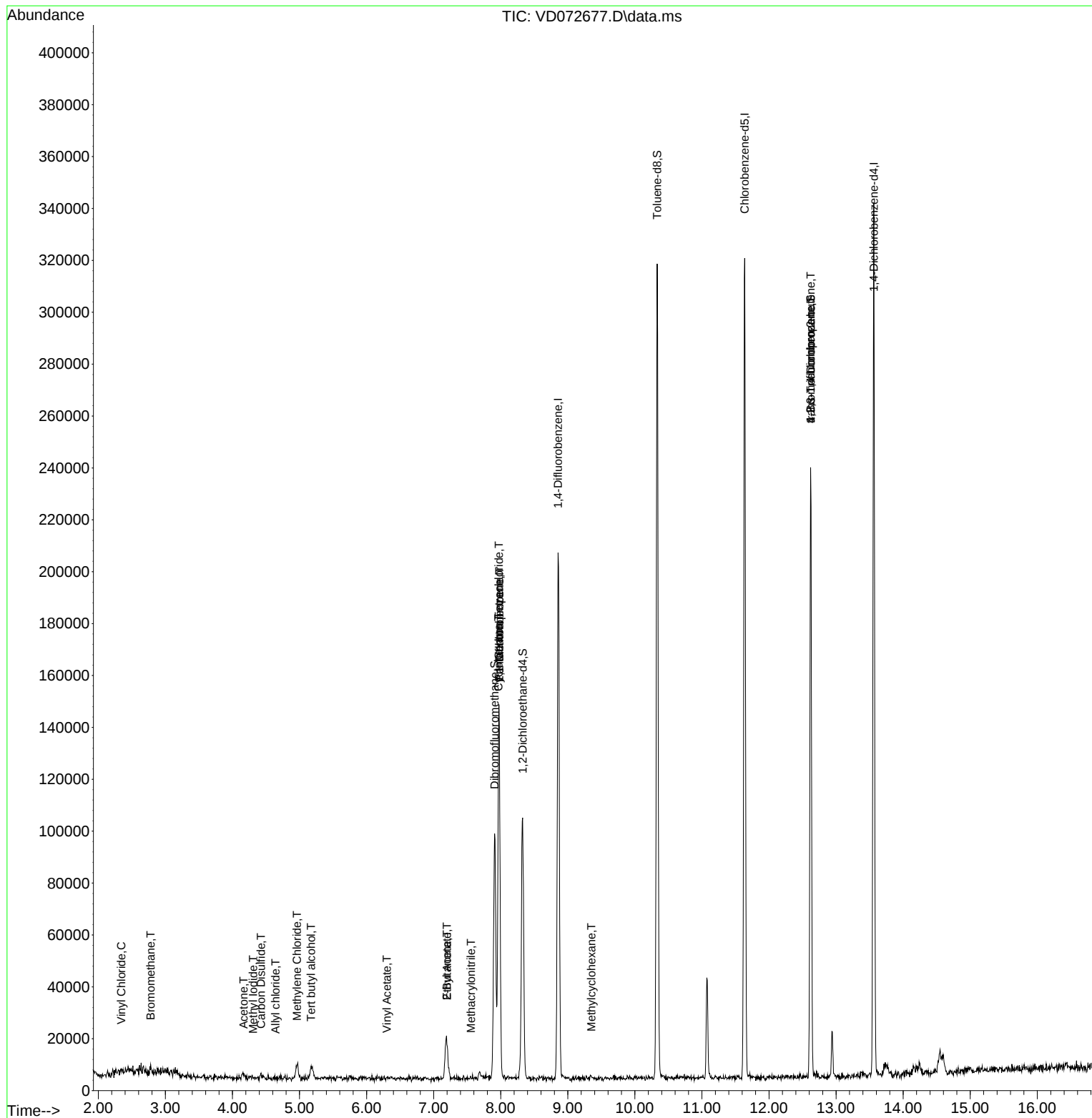
Internal Standards						
1) Pentafluorobenzene	7.979	168	103367	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	175856	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	188915	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	87331	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	86365	69.069	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 138.140%			
35) Dibromofluoromethane	7.909	113	69294	50.704	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.400%			
50) Toluene-d8	10.332	98	217286	45.739	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 91.480%			
62) 4-Bromofluorobenzene	12.620	95	79106	42.638	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 85.280%			
Target Compounds						Qvalue
4) Vinyl Chloride	2.344	62	73	1.032	ug/l #	43
5) Bromomethane	2.779	94	901	1.541	ug/l #	69
10) Methyl Iodide	4.309	142	377	4.046	ug/l #	58
11) Tert butyl alcohol	5.173	59	3332	50.459	ug/l #	74
14) Allyl chloride	4.644	41	56	1.160	ug/l #	22
16) Acetone	4.168	43	3860	16.555	ug/l	90
17) Carbon Disulfide	4.426	76	236	3.735	ug/l #	74
20) Methylene Chloride	4.962	84	4163	2.999	ug/l #	68
23) Vinyl Acetate	6.303	43	68	6.322	ug/l #	75
25) 2-Butanone	7.197	43	884	2.741	ug/l #	52
31) Cyclohexane	7.967	56	2341	1.432	ug/l #	11
36) 1,1-Dichloropropene	7.979	75	9732	6.571	ug/l #	50
37) Ethyl Acetate	7.197	43	884	1.221	ug/l #	31
38) Carbon Tetrachloride	7.973	117	11390	6.050	ug/l #	19
39) Methylcyclohexane	9.350	83	133	2.938	ug/l #	22
41) Methacrylonitrile	7.556	41	73	1.825	ug/l #	47
76) 1,2,3-Trichloropropane	12.620	75	41339	43.401	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	41339	106.498	ug/l #	7

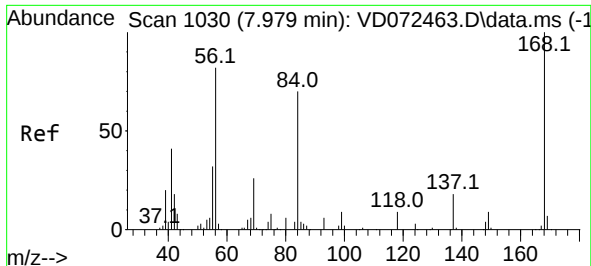
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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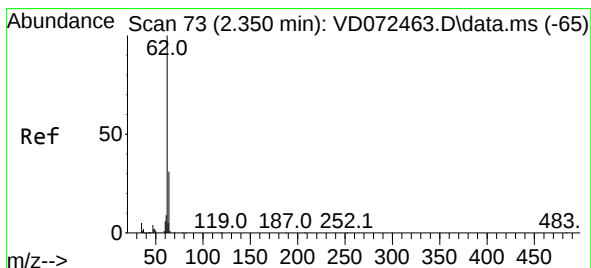
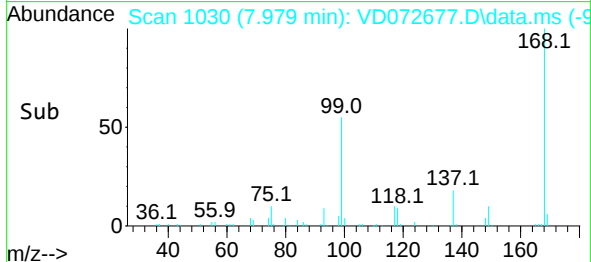
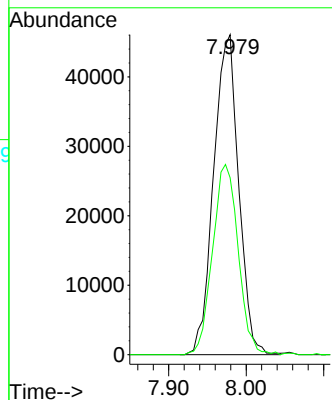
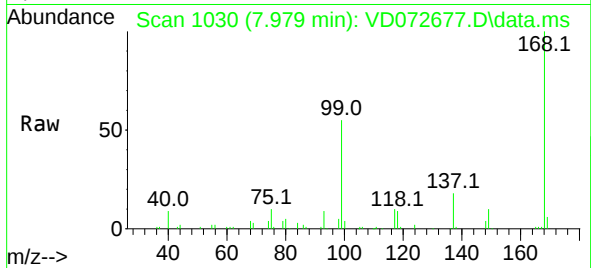




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD072677.D
Acq: 21 Apr 2022 18:11

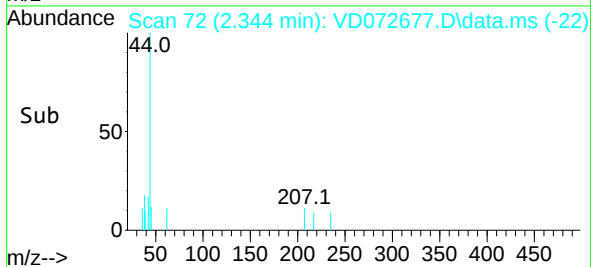
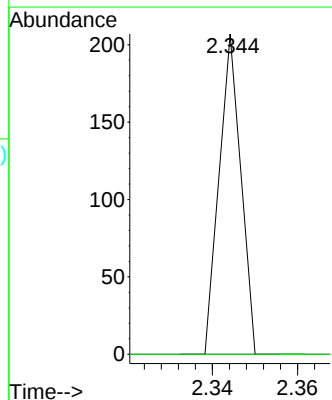
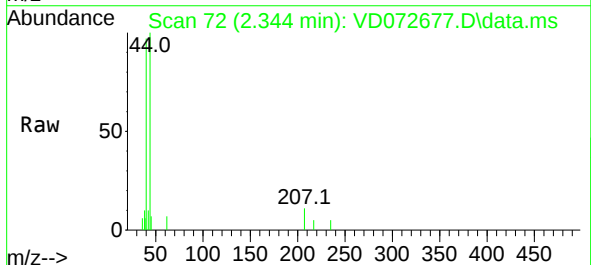
Instrument :
MSVOA_D
ClientSampleId :
HR-01-042122

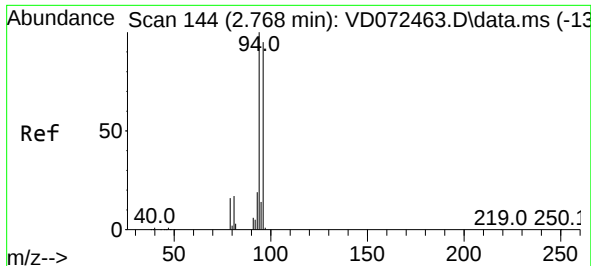
Tgt Ion:168 Resp: 103367
Ion Ratio Lower Upper
168 100
99 55.3 49.8 74.6



#4
Vinyl Chloride
Concen: 1.032 ug/l
RT: 2.344 min Scan# 72
Delta R.T. -0.006 min
Lab File: VD072677.D
Acq: 21 Apr 2022 18:11

Tgt Ion: 62 Resp: 73
Ion Ratio Lower Upper
62 100
64 0.0 25.4 38.0#





#5

Bromomethane

Concen: 1.541 ug/l

RT: 2.779 min Scan# 14

Delta R.T. 0.012 min

Lab File: VD072677.D

Acq: 21 Apr 2022 18:11

Instrument :

MSVOA_D

ClientSampleId :

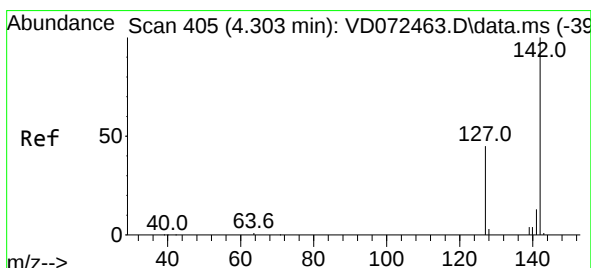
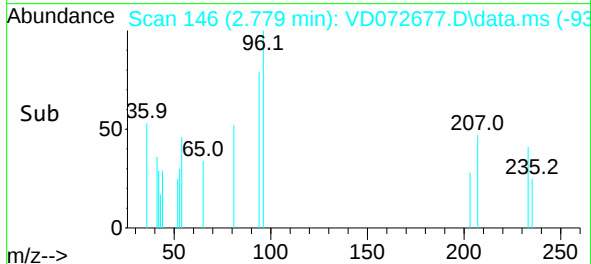
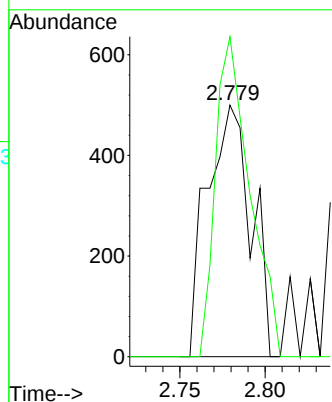
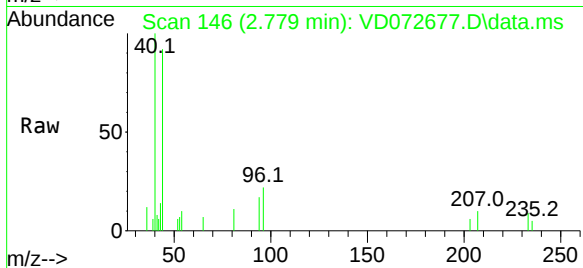
HR-01-042122

Tgt Ion: 94 Resp: 901

Ion Ratio Lower Upper

94 100

96 127.2 77.6 116.4#



#10

Methyl Iodide

Concen: 4.046 ug/l

RT: 4.309 min Scan# 406

Delta R.T. 0.006 min

Lab File: VD072677.D

Acq: 21 Apr 2022 18:11

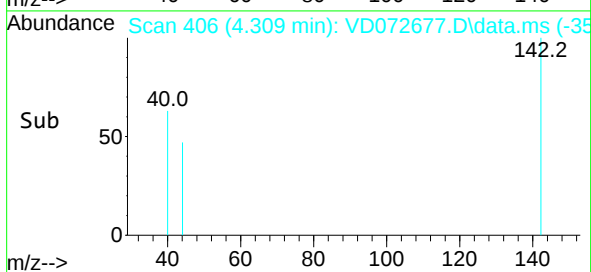
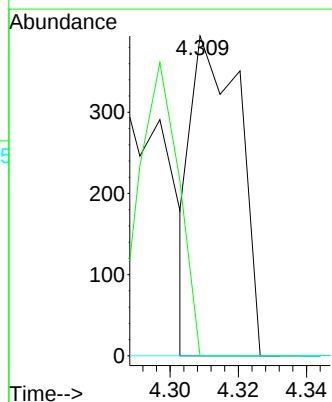
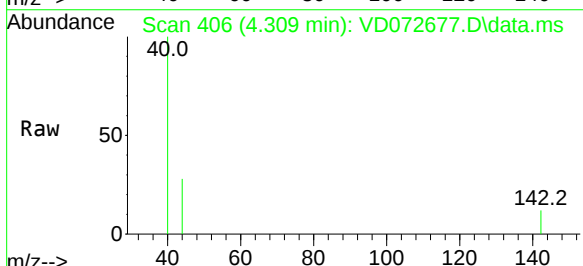
Tgt Ion:142 Resp: 377

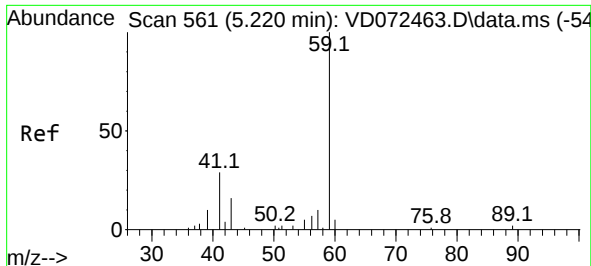
Ion Ratio Lower Upper

142 100

127 75.9 37.3 55.9#

141 0.0 11.7 17.5#

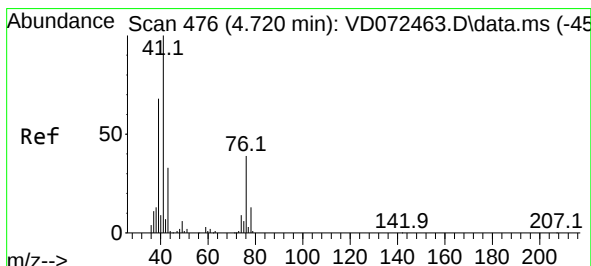
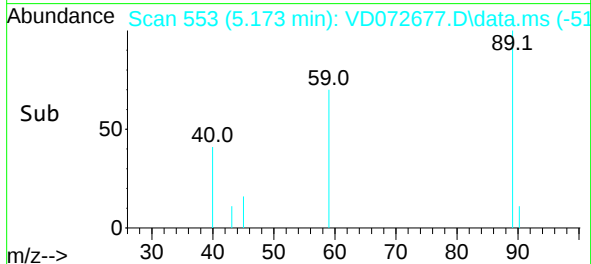
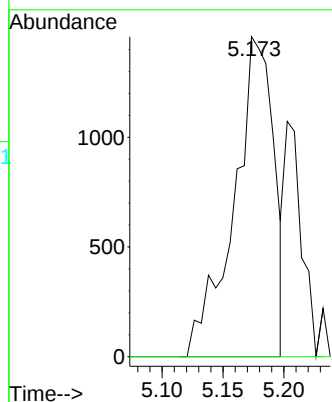
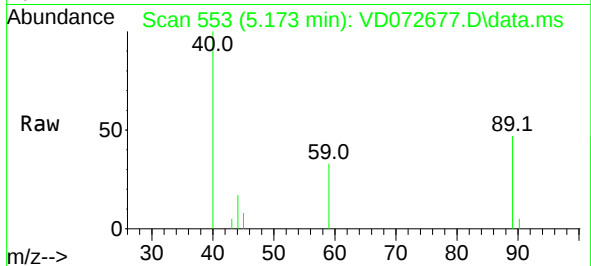




#11
Tert butyl alcohol
Concen: 50.459 ug/l
RT: 5.173 min Scan# 51
Delta R.T. -0.047 min
Lab File: VD072677.D
Acq: 21 Apr 2022 18:11

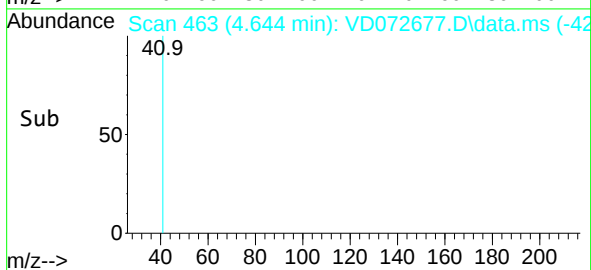
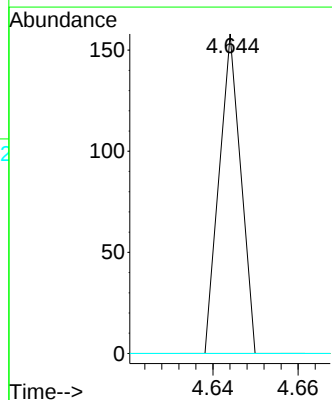
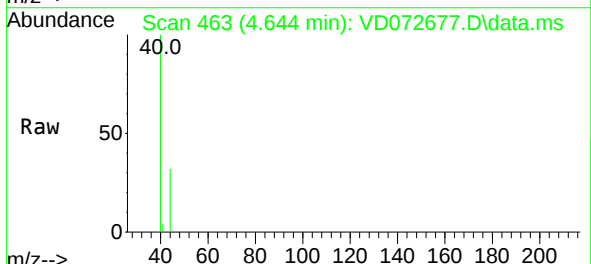
Instrument :
MSVOA_D
ClientSampleId :
HR-01-042122

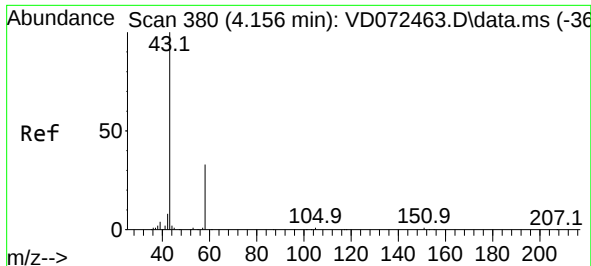
Tgt Ion: 59 Resp: 3332
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#14
Allyl chloride
Concen: 1.160 ug/l
RT: 4.644 min Scan# 463
Delta R.T. -0.076 min
Lab File: VD072677.D
Acq: 21 Apr 2022 18:11

Tgt Ion: 41 Resp: 56
Ion Ratio Lower Upper
41 100
39 0.0 59.3 88.9#
76 0.0 25.7 38.5#

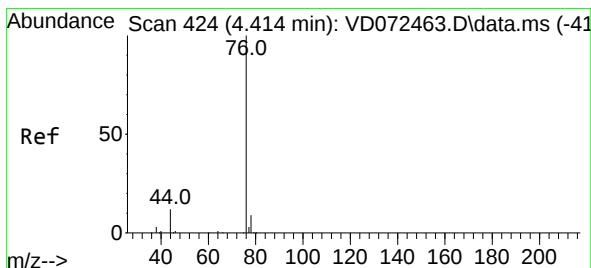
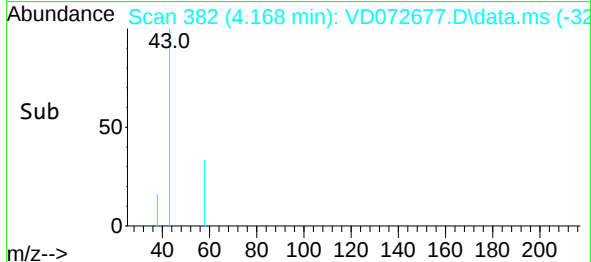
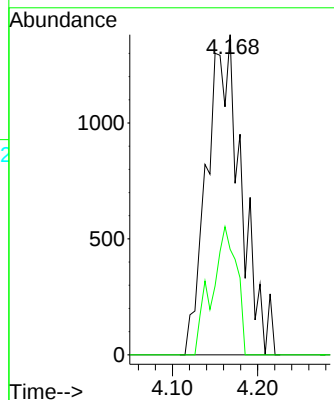
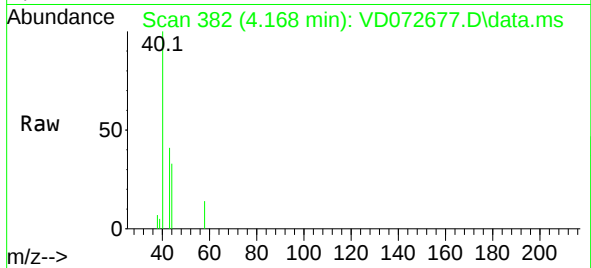




#16
Acetone
Concen: 16.555 ug/l
RT: 4.168 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD072677.D
Acq: 21 Apr 2022 18:11

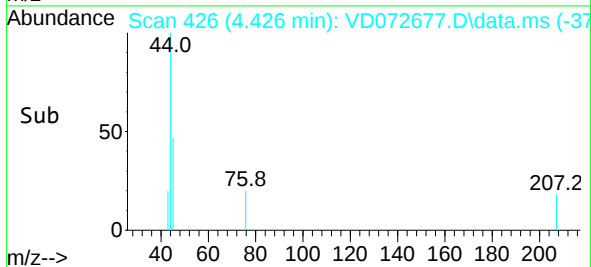
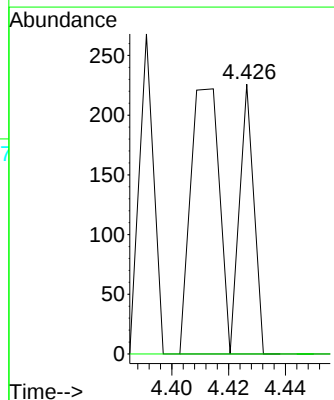
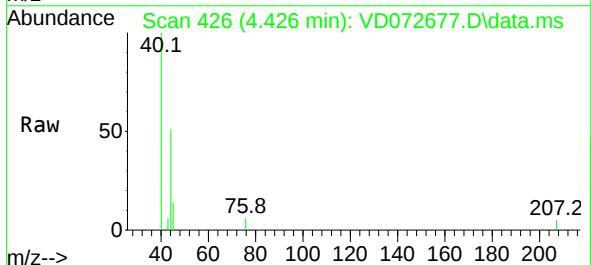
Instrument :
MSVOA_D
ClientSampleId :
HR-01-042122

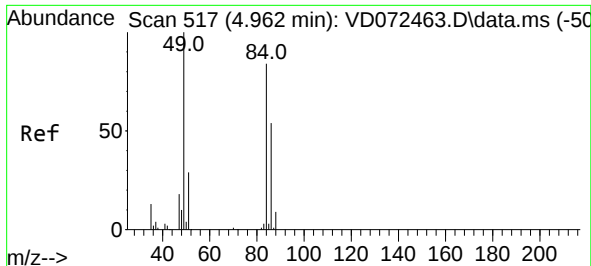
Tgt Ion: 43 Resp: 3860
Ion Ratio Lower Upper
43 100
58 32.9 22.1 33.1



#17
Carbon Disulfide
Concen: 3.735 ug/l
RT: 4.426 min Scan# 426
Delta R.T. 0.012 min
Lab File: VD072677.D
Acq: 21 Apr 2022 18:11

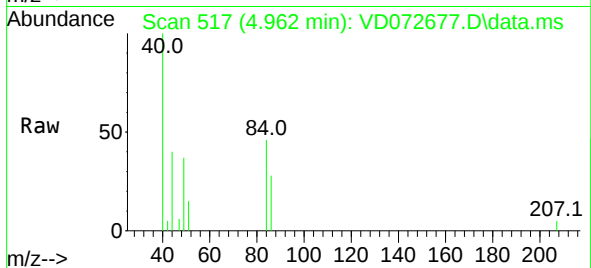
Tgt Ion: 76 Resp: 236
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



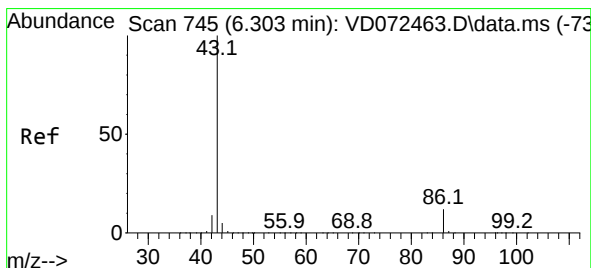
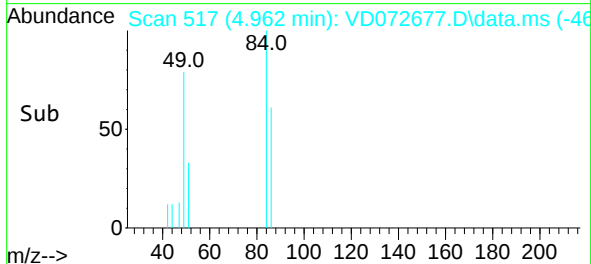
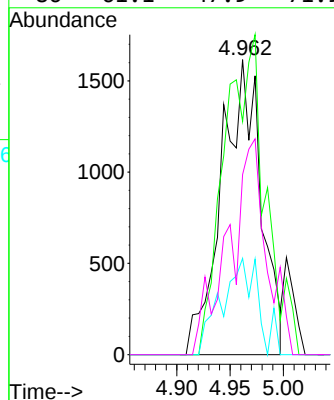


#20
Methylene Chloride
Concen: 2.999 ug/l
RT: 4.962 min Scan# 517
Delta R.T. 0.000 min
Lab File: VD072677.D
Acq: 21 Apr 2022 18:11

Instrument :
MSVOA_D
ClientSampleId :
HR-01-042122

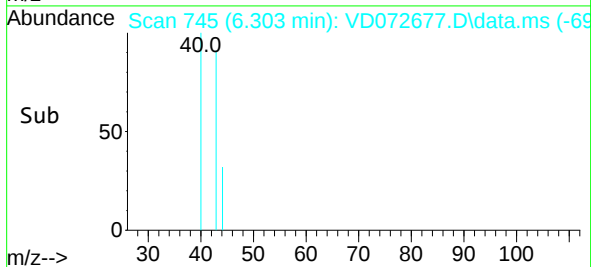
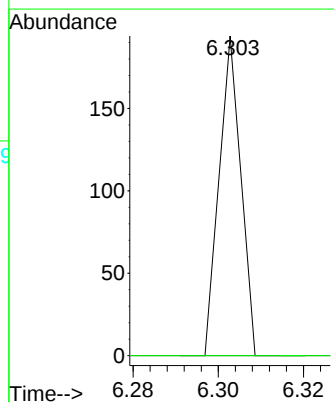
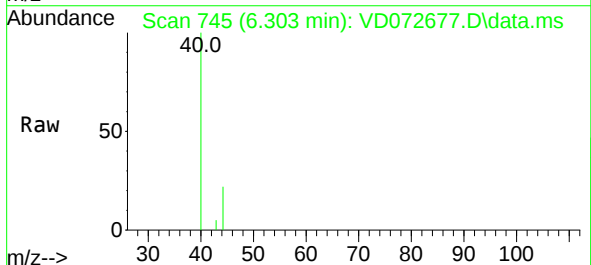


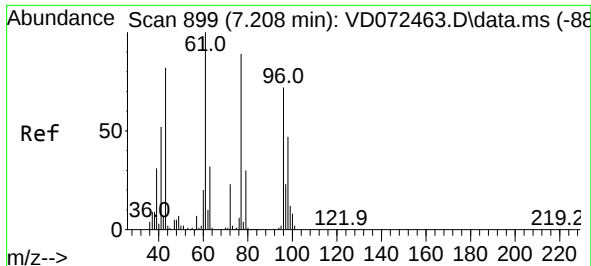
Tgt Ion: 84 Resp: 4163
Ion Ratio Lower Upper
84 100
49 79.1 112.8 169.2#
51 32.6 32.6 48.8
86 61.1 47.9 71.9



#23
Vinyl Acetate
Concen: 6.322 ug/l
RT: 6.303 min Scan# 745
Delta R.T. -0.000 min
Lab File: VD072677.D
Acq: 21 Apr 2022 18:11

Tgt Ion: 43 Resp: 68
Ion Ratio Lower Upper
43 100
86 0.0 7.1 10.7#





#25

2-Butanone

Concen: 2.741 ug/l

RT: 7.197 min Scan# 84

Delta R.T. -0.012 min

Lab File: VD072677.D

Acq: 21 Apr 2022 18:11

Instrument :

MSVOA_D

ClientSampleId :

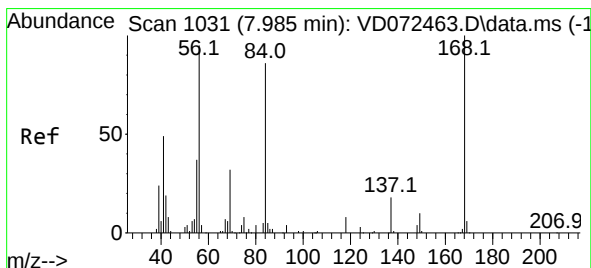
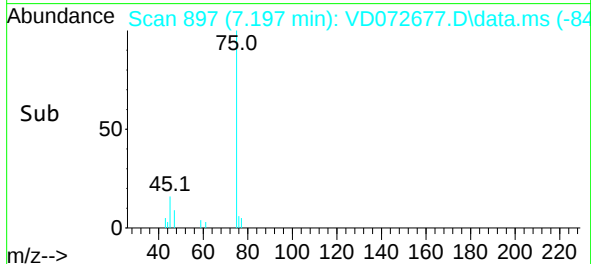
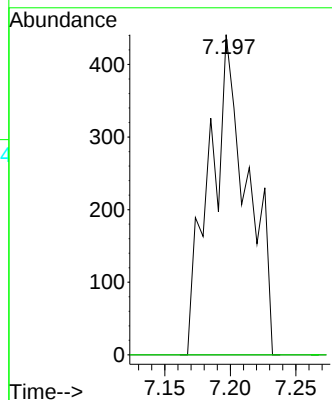
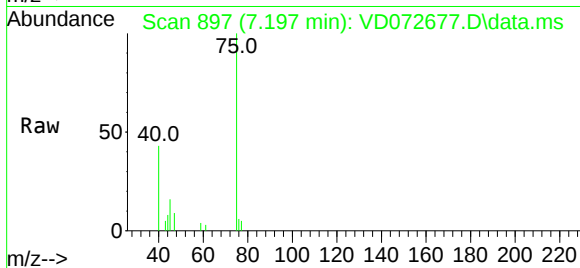
HR-01-042122

Tgt Ion: 43 Resp: 884

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#



#31

Cyclohexane

Concen: 1.432 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.018 min

Lab File: VD072677.D

Acq: 21 Apr 2022 18:11

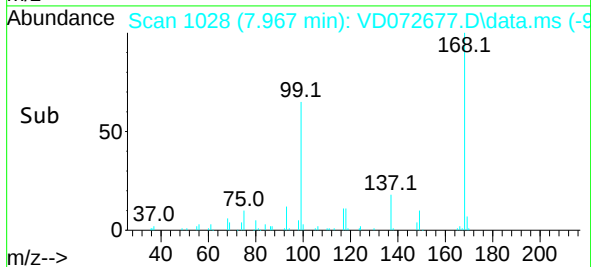
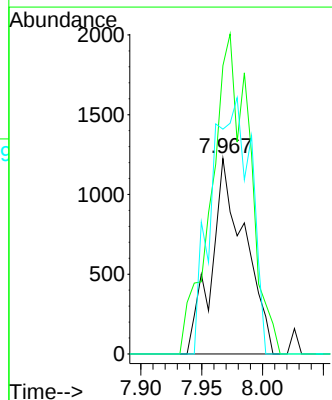
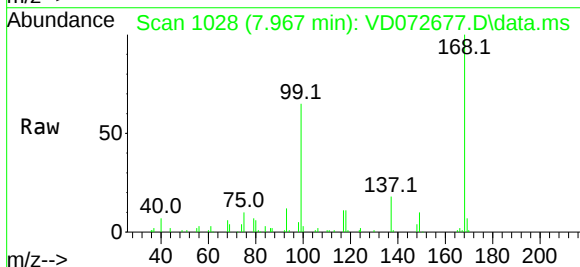
Tgt Ion: 56 Resp: 2341

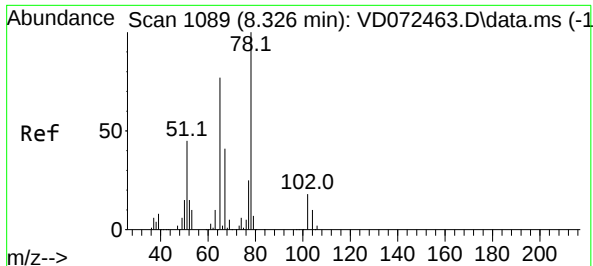
Ion Ratio Lower Upper

56 100

69 147.4 25.4 38.2#

84 114.9 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 69.069 ug/l

RT: 8.326 min Scan# 1107

Delta R.T. 0.000 min

Lab File: VD072677.D

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ClientSampleId :

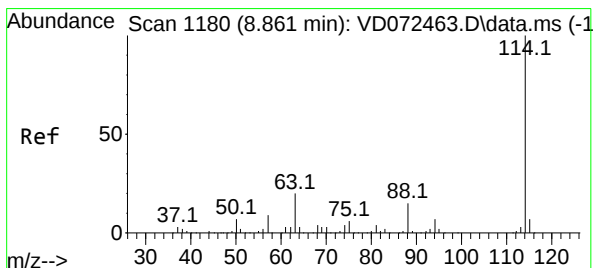
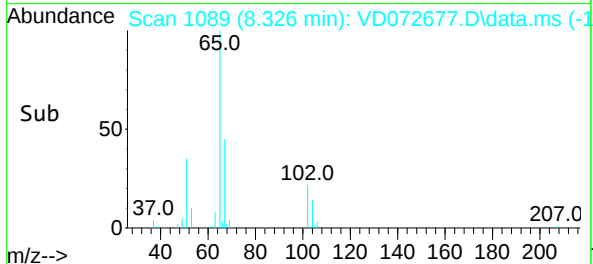
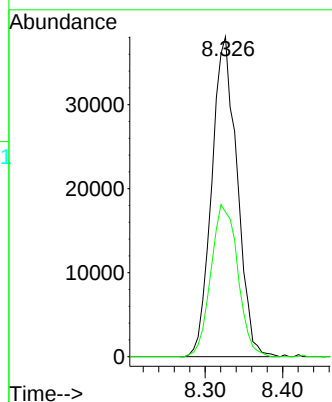
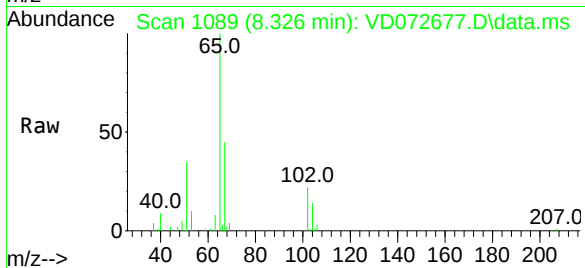
HR-01-042122

Tgt Ion: 65 Resp: 86365

Ion Ratio Lower Upper

65 100

67 50.4 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. -0.006 min

Lab File: VD072677.D

Acq: 21 Apr 2022 18:11

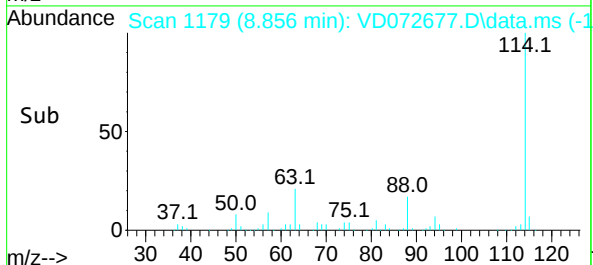
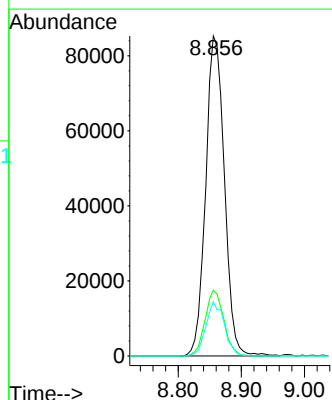
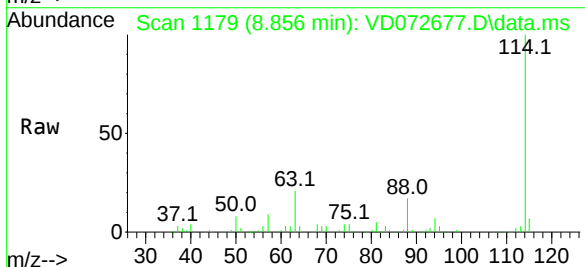
Tgt Ion: 114 Resp: 175856

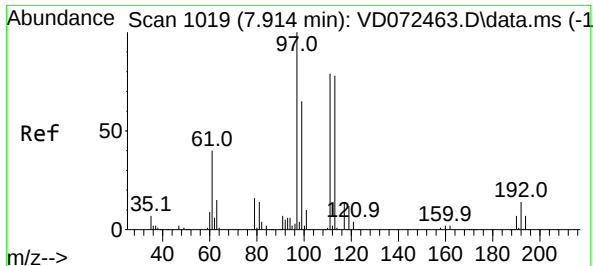
Ion Ratio Lower Upper

114 100

63 20.5 0.0 46.6

88 17.0 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.704 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD072677.D

Acq: 21 Apr 2022 18:11

Instrument :

MSVOA_D

ClientSampleId :

HR-01-042122

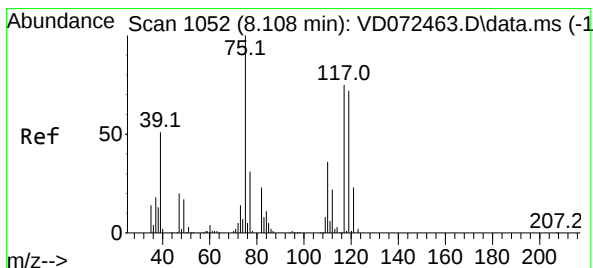
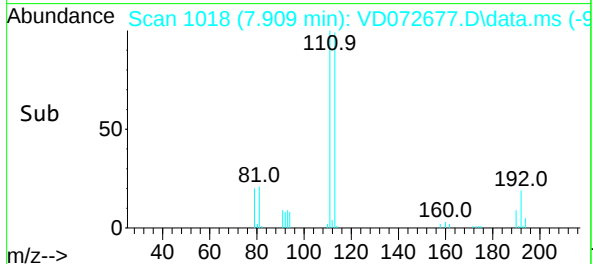
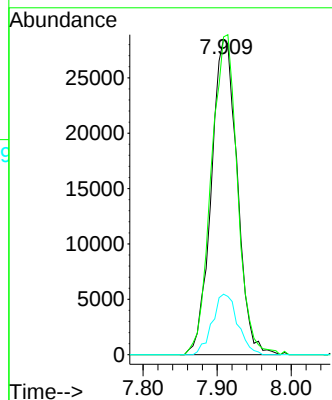
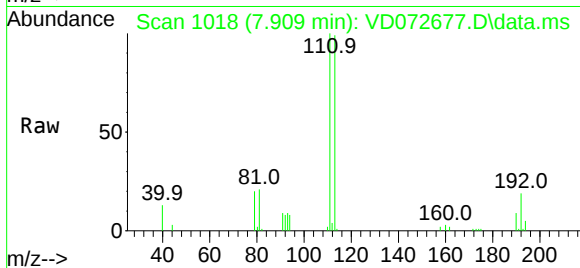
Tgt Ion:113 Resp: 69294

Ion Ratio Lower Upper

113 100

111 102.3 83.8 125.6

192 18.7 14.6 21.8



#36

1,1-Dichloropropene

Concen: 6.571 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD072677.D

Acq: 21 Apr 2022 18:11

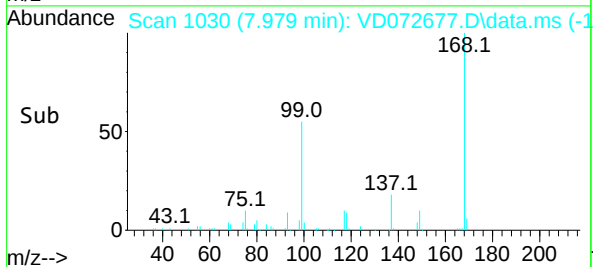
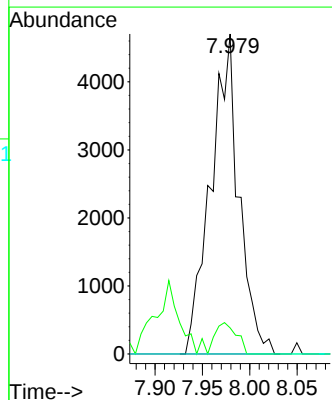
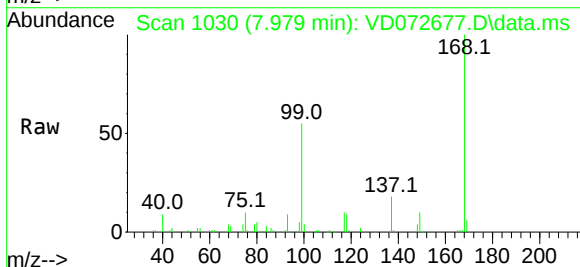
Tgt Ion: 75 Resp: 9732

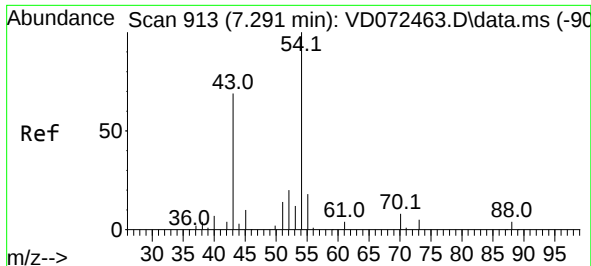
Ion Ratio Lower Upper

75 100

110 7.4 16.4 49.1#

77 0.0 24.2 36.2#





#37

Ethyl Acetate

Concen: 1.221 ug/l

RT: 7.197 min Scan# 897

Delta R.T. -0.094 min

Lab File: VD072677.D

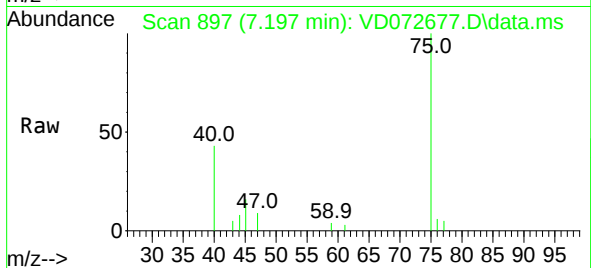
Acq: 21 Apr 2022 18:11

Instrument :

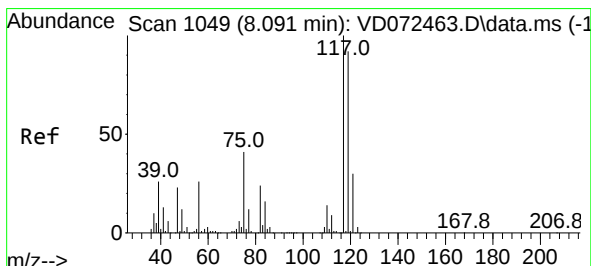
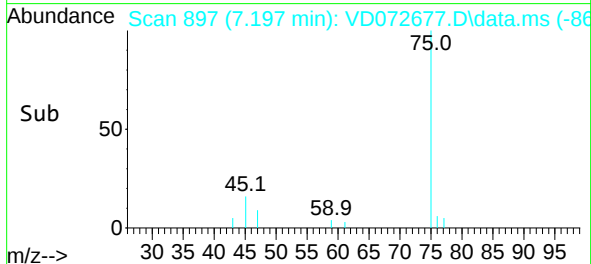
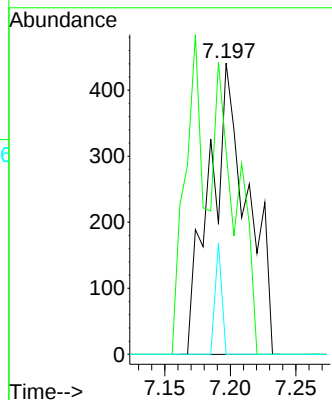
MSVOA_D

ClientSampleId :

HR-01-042122



Tgt Ion:	43	Resp:	884
Ion	Ratio	Lower	Upper
43	100		
61	56.6	9.8	14.8#
70	6.7	6.9	10.3#



#38

Carbon Tetrachloride

Concen: 6.050 ug/l

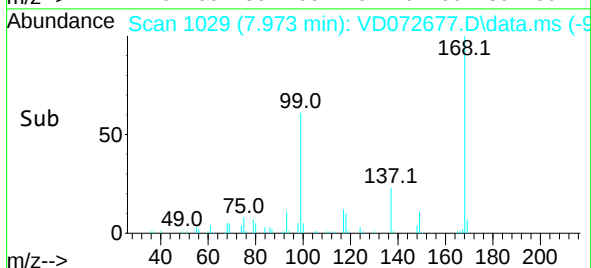
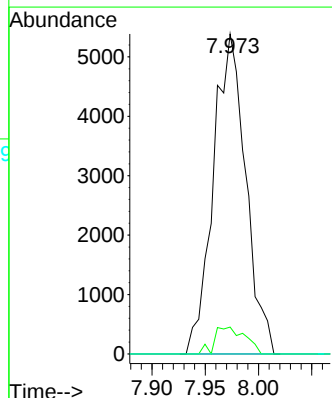
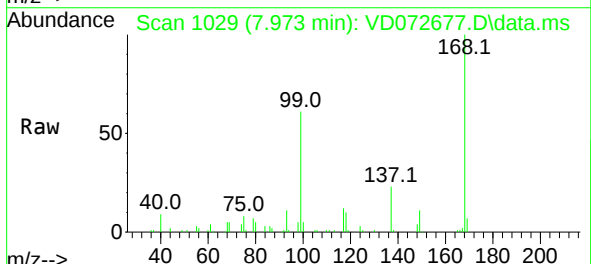
RT: 7.973 min Scan# 1029

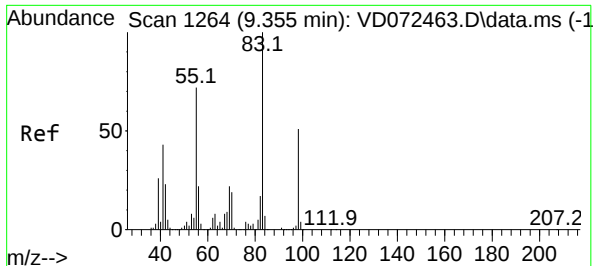
Delta R.T. -0.117 min

Lab File: VD072677.D

Acq: 21 Apr 2022 18:11

Tgt Ion:	117	Resp:	11390
Ion	Ratio	Lower	Upper
117	100		
119	8.4	75.8	113.6#
121	0.0	24.5	36.7#





#39

Methylcyclohexane

Concen: 2.938 ug/l

RT: 9.350 min Scan# 11

Delta R.T. -0.005 min

Lab File: VD072677.D

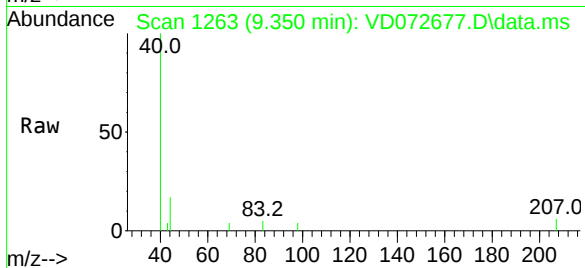
Acq: 21 Apr 2022 18:11

Instrument :

MSVOA_D

ClientSampleId :

HR-01-042122



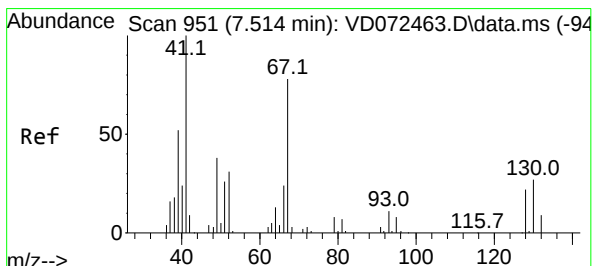
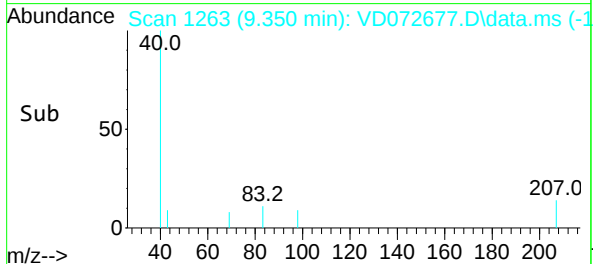
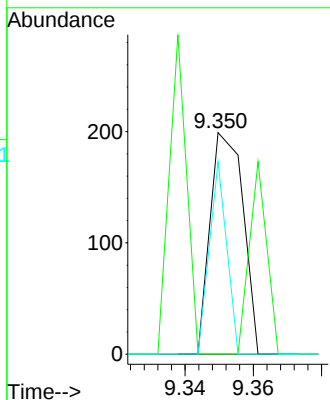
Tgt Ion: 83 Resp: 133

Ion Ratio Lower Upper

83 100

55 0.0 63.2 94.8#

98 86.9 38.2 57.4#



#41

Methacrylonitrile

Concen: 1.825 ug/l

RT: 7.556 min Scan# 958

Delta R.T. 0.042 min

Lab File: VD072677.D

Acq: 21 Apr 2022 18:11

Tgt Ion: 41 Resp: 73

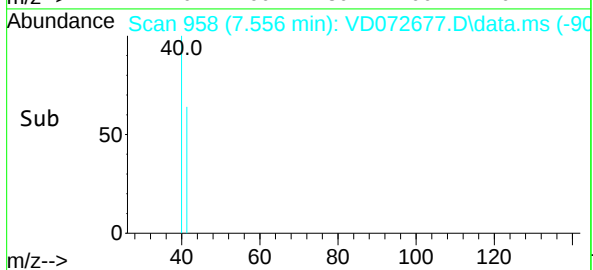
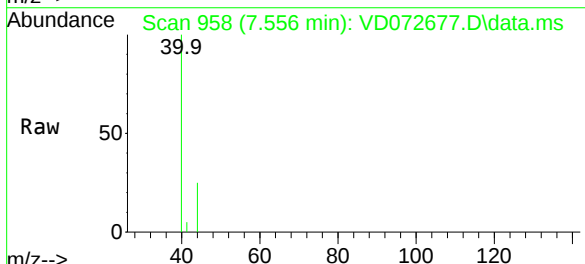
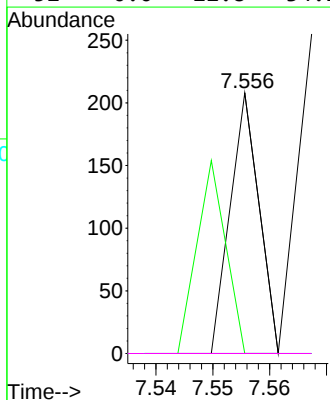
Ion Ratio Lower Upper

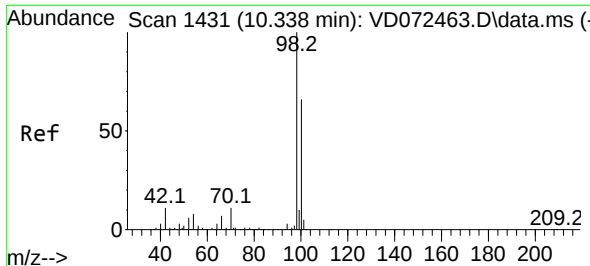
41 100

39 74.0 44.6 67.0#

67 0.0 48.2 72.4#

52 0.0 22.8 34.2#

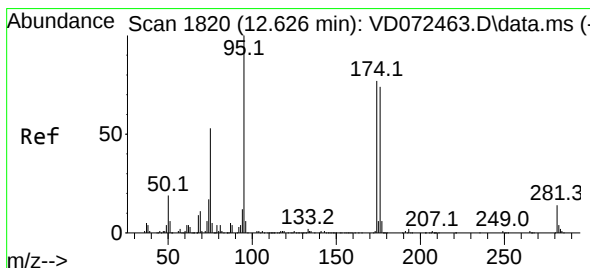
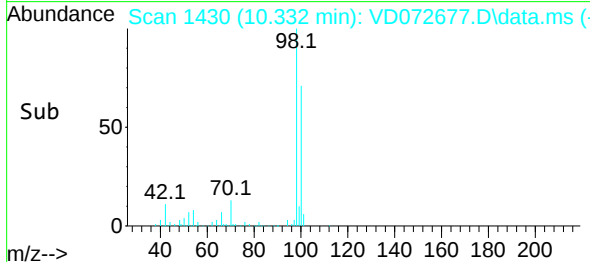
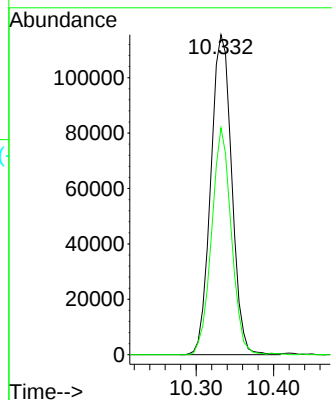
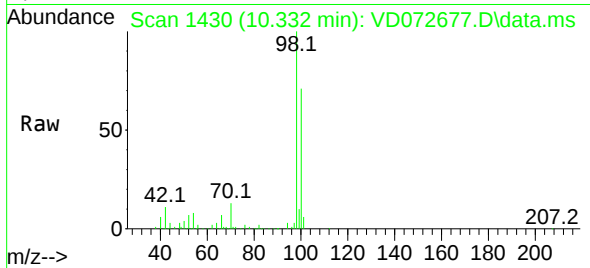




#50
Toluene-d8
Concen: 45.739 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD072677.D
Acq: 21 Apr 2022 18:11

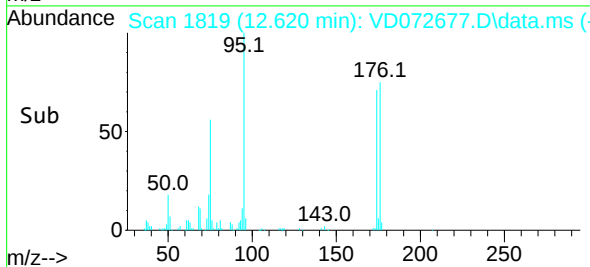
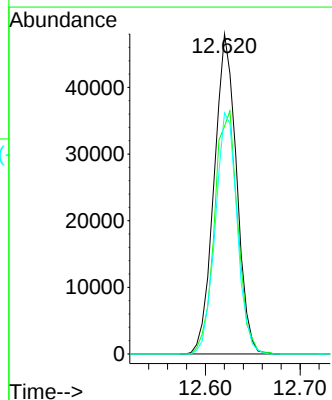
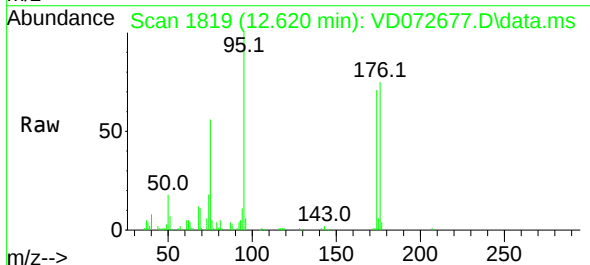
Instrument :
MSVOA_D
ClientSampleId :
HR-01-042122

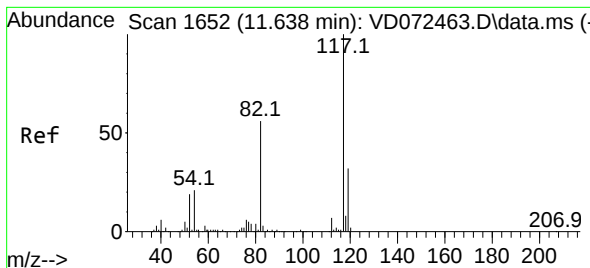
Tgt Ion: 98 Resp: 217286
Ion Ratio Lower Upper
98 100
100 66.6 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 42.638 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072677.D
Acq: 21 Apr 2022 18:11

Tgt Ion: 95 Resp: 79106
Ion Ratio Lower Upper
95 100
174 78.5 0.0 152.8
176 73.5 0.0 145.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.638 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD072677.D

Acq: 21 Apr 2022 18:11

Instrument :

MSVOA_D

ClientSampleId :

HR-01-042122

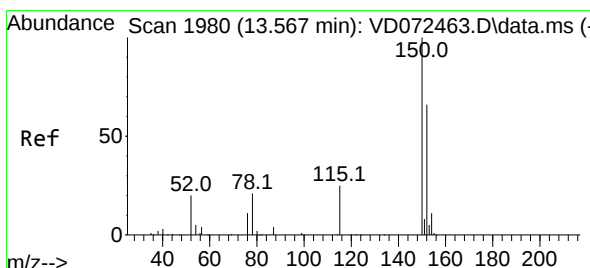
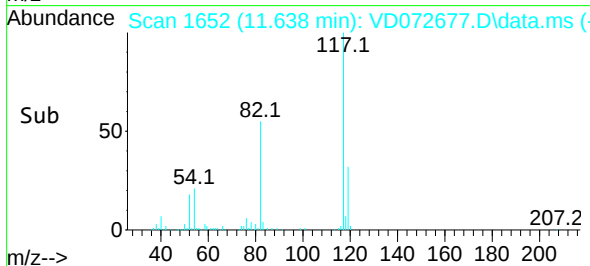
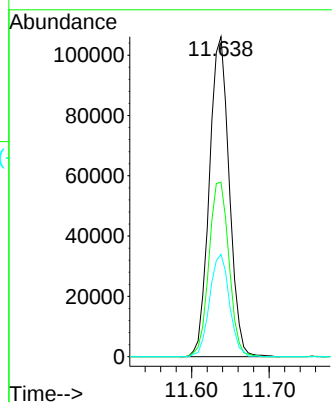
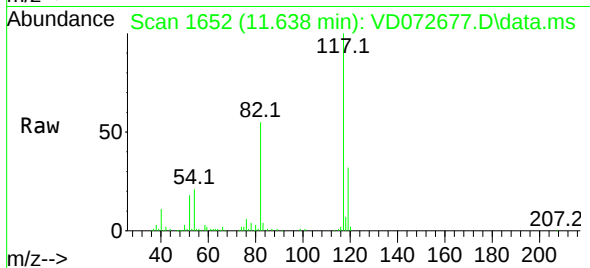
Tgt Ion:117 Resp: 188915

Ion Ratio Lower Upper

117 100

82 54.6 45.3 67.9

119 32.0 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: VD072677.D

Acq: 21 Apr 2022 18:11

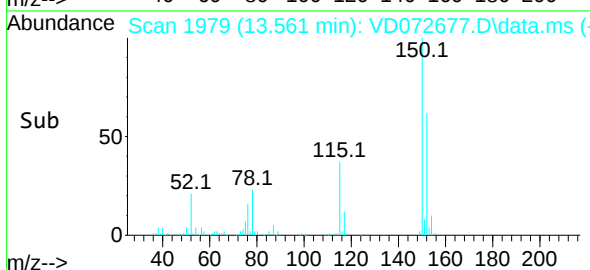
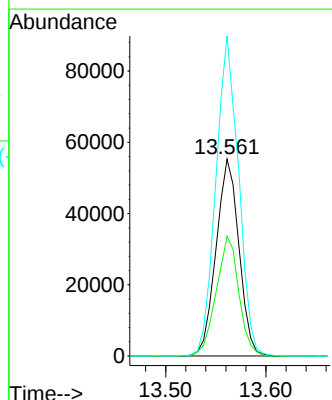
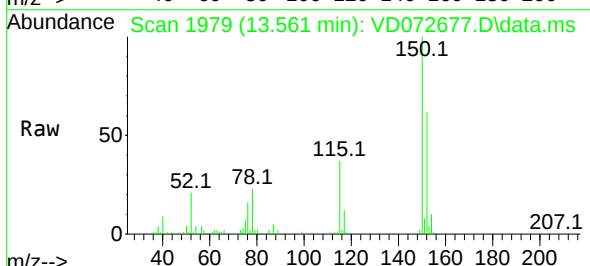
Tgt Ion:152 Resp: 87331

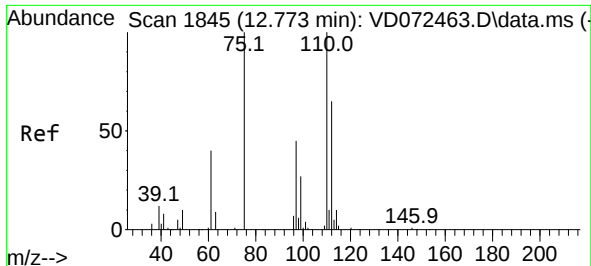
Ion Ratio Lower Upper

152 100

115 60.0 31.3 93.8

150 161.5 0.0 348.6

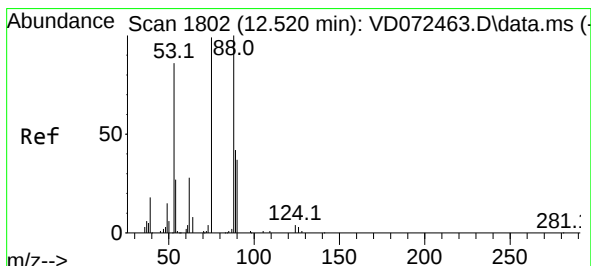
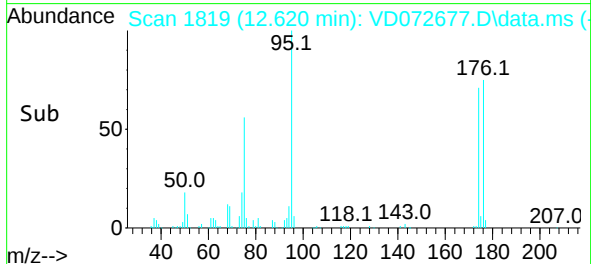
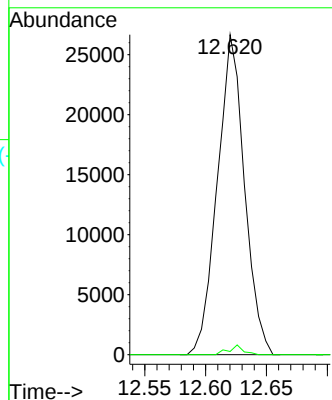
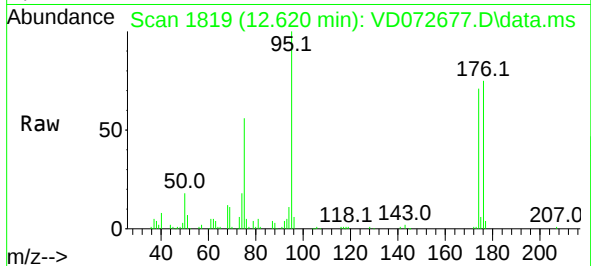




#76
1,2,3-Trichloropropane
Concen: 43.401 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072677.D
Acq: 21 Apr 2022 18:11

Instrument :
MSVOA_D
ClientSampleId :
HR-01-042122

Tgt Ion: 75 Resp: 41339
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 106.498 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD072677.D
Acq: 21 Apr 2022 18:11

Tgt Ion: 75 Resp: 41339
Ion Ratio Lower Upper
75 100
53 0.4 86.5 129.7#
89 0.1 33.9 50.9#

