

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042122\
 Data File : VD072678.D
 Acq On : 21 Apr 2022 18:40
 Operator : VA/SY
 Sample : N2525-03
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-02-042122

Quant Time: Apr 22 03:42:35 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)

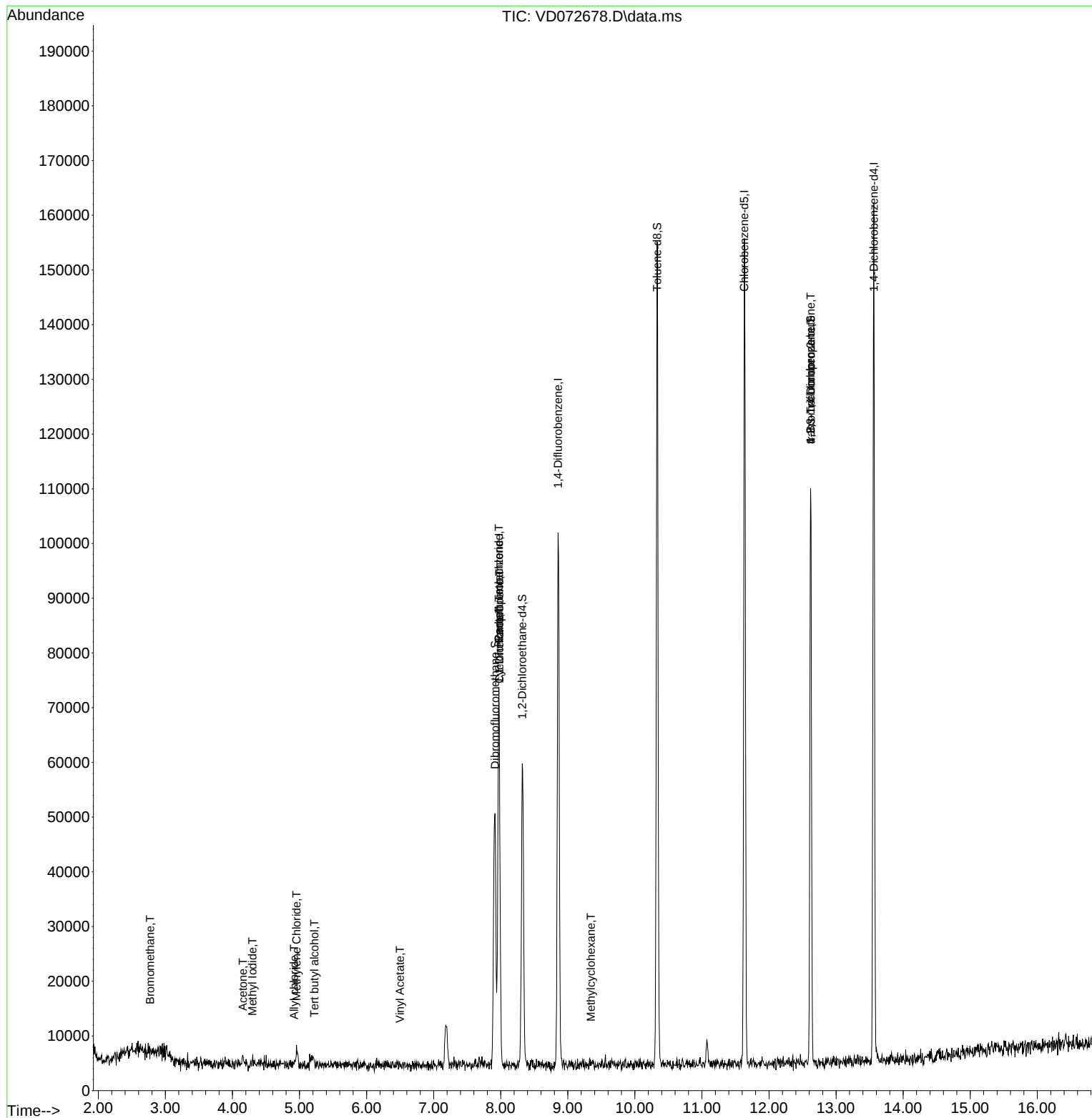
Internal Standards						
1) Pentafluorobenzene	7.973	168	49545	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	83874	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	87130	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	39105	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	42731	71.296	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 142.600%			
35) Dibromofluoromethane	7.914	113	35395	54.302	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.600%			
50) Toluene-d8	10.332	98	100802	44.489	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 88.980%			
62) 4-Bromofluorobenzene	12.620	95	37594	42.485	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 84.960%			
Target Compounds						Qvalue
5) Bromomethane	2.774	94	669	2.387	ug/l	89
10) Methyl Iodide	4.297	142	371	4.378	ug/l #	71
11) Tert butyl alcohol	5.220	59	251	7.930	ug/l #	74
14) Allyl chloride	4.920	41	54	1.194	ug/l #	22
16) Acetone	4.156	43	1625	14.540	ug/l #	5
20) Methylene Chloride	4.956	84	1337	2.010	ug/l #	75
23) Vinyl Acetate	6.497	43	70	6.360	ug/l #	75
31) Cyclohexane	7.979	56	1426	1.820	ug/l #	41
36) 1,1-Dichloropropene	7.979	75	4035	5.859	ug/l #	52
38) Carbon Tetrachloride	7.973	117	5530	6.158	ug/l #	13
39) Methylcyclohexane	9.344	83	83	2.957	ug/l #	67
76) 1,2,3-Trichloropropane	12.620	75	19403	45.493	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	19403	111.632	ug/l #	7

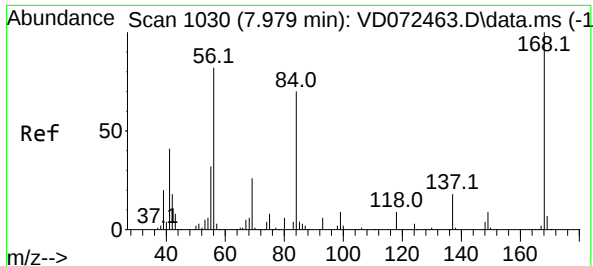
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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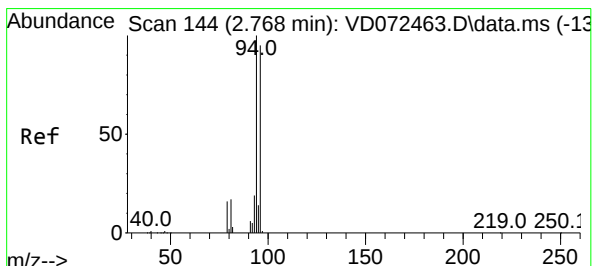
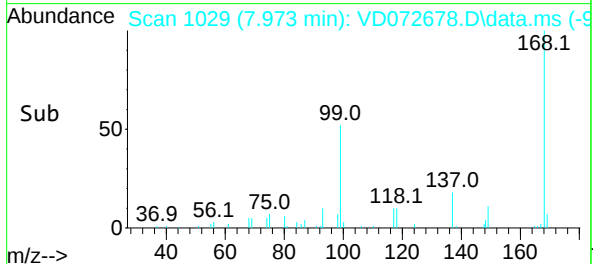
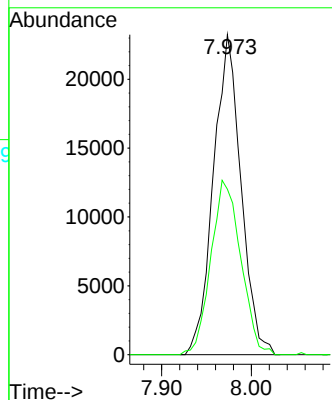
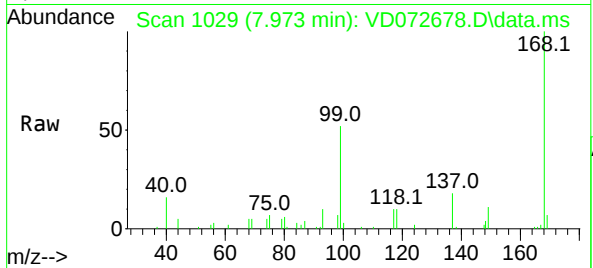




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072678.D
Acq: 21 Apr 2022 18:40

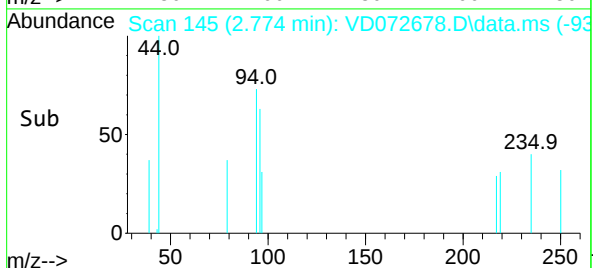
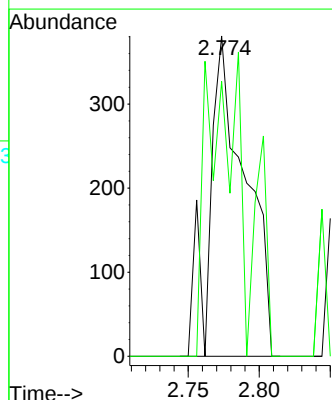
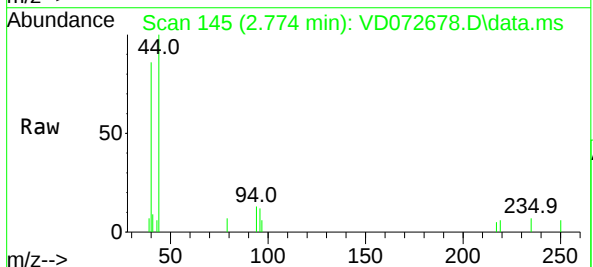
Instrument :
MSVOA_D
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HR-02-042122

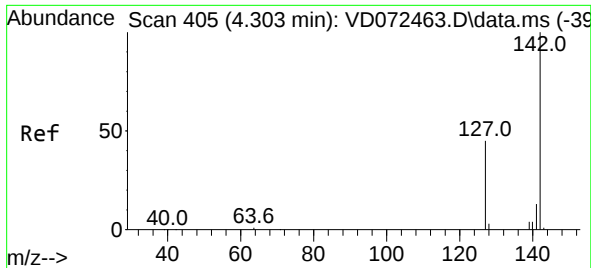
Tgt Ion:168 Resp: 49545
Ion Ratio Lower Upper
168 100
99 51.7 49.8 74.6



#5
Bromomethane
Concen: 2.387 ug/l
RT: 2.774 min Scan# 145
Delta R.T. 0.006 min
Lab File: VD072678.D
Acq: 21 Apr 2022 18:40

Tgt Ion: 94 Resp: 669
Ion Ratio Lower Upper
94 100
96 85.8 77.6 116.4

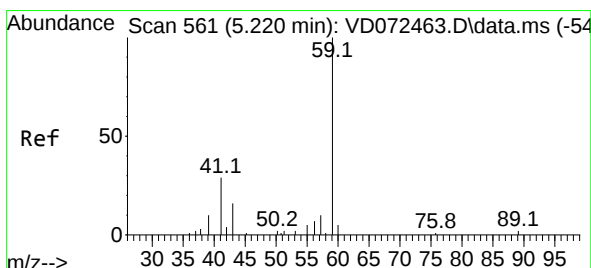
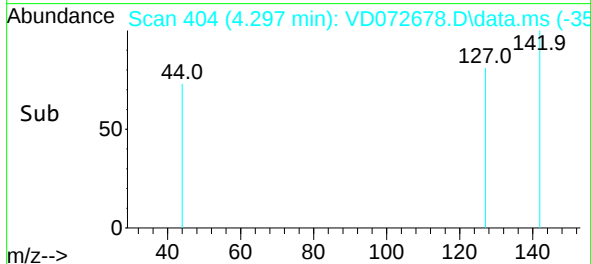
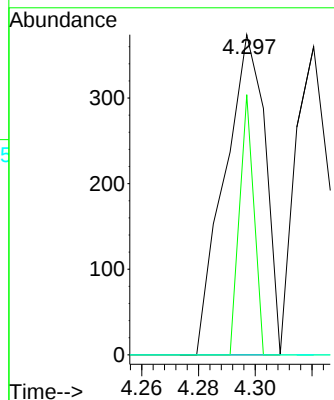
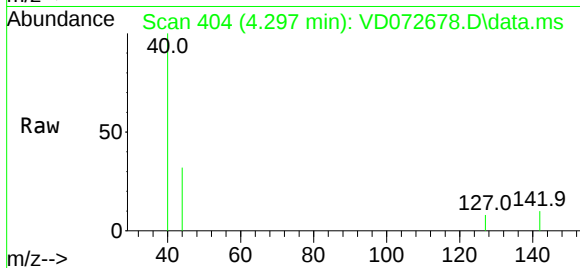




#10
Methyl Iodide
Concen: 4.378 ug/l
RT: 4.297 min Scan# 405
Delta R.T. -0.006 min
Lab File: VD072678.D
Acq: 21 Apr 2022 18:40

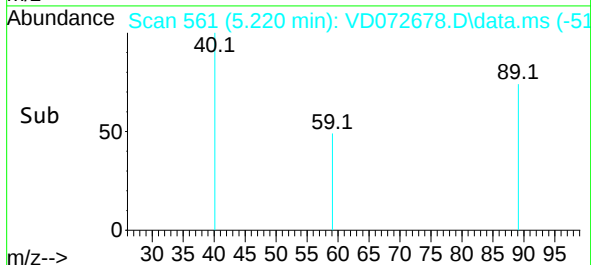
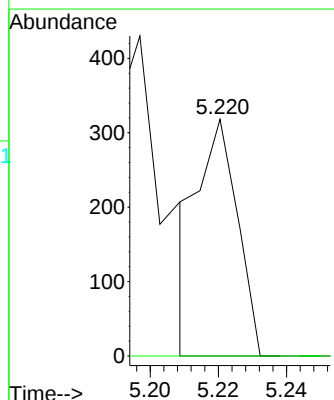
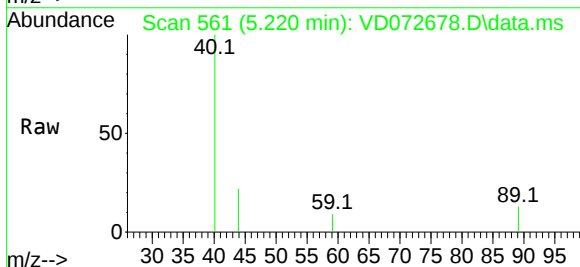
Instrument :
MSVOA_D
ClientSampleId :
HR-02-042122

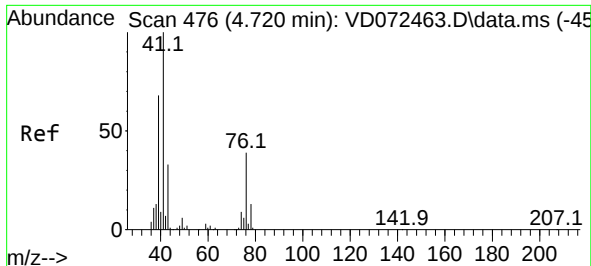
Tgt Ion:142 Resp: 371
Ion Ratio Lower Upper
142 100
127 28.8 37.3 55.9#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 7.930 ug/l
RT: 5.220 min Scan# 561
Delta R.T. 0.000 min
Lab File: VD072678.D
Acq: 21 Apr 2022 18:40

Tgt Ion: 59 Resp: 251
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

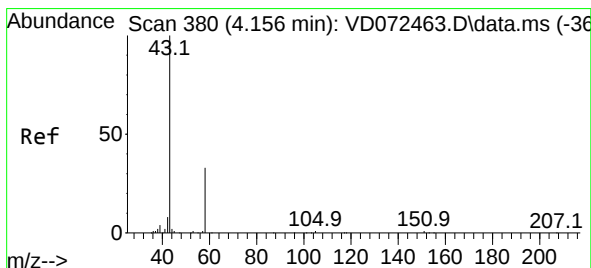
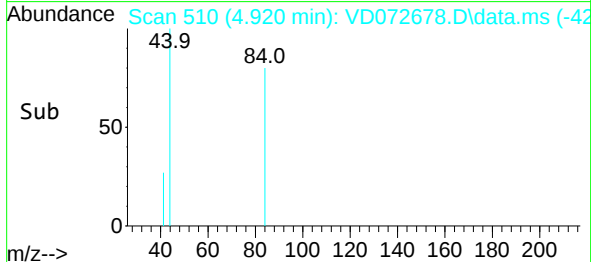
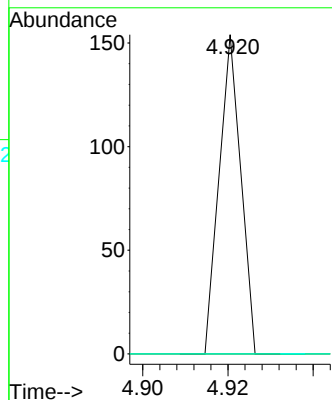
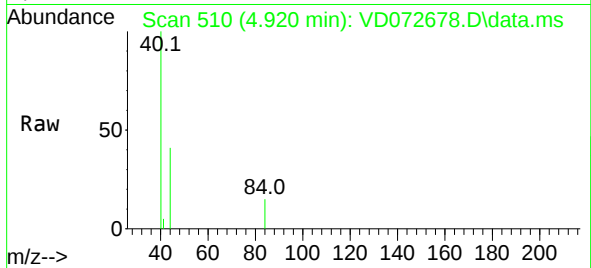




#14
 Allyl chloride
 Concen: 1.194 ug/l
 RT: 4.920 min Scan# 51
 Delta R.T. 0.200 min
 Lab File: VD072678.D
 Acq: 21 Apr 2022 18:40

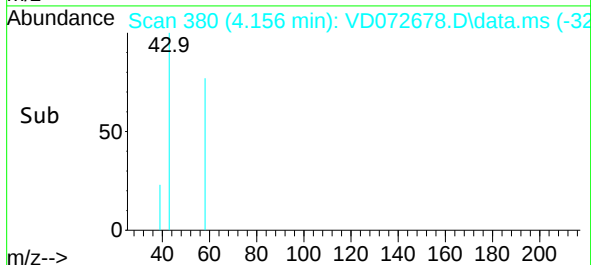
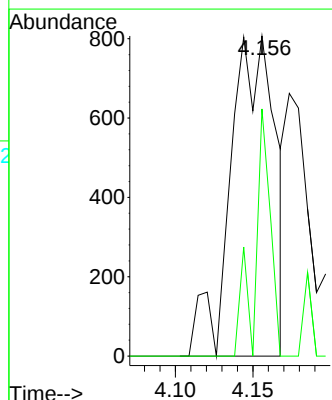
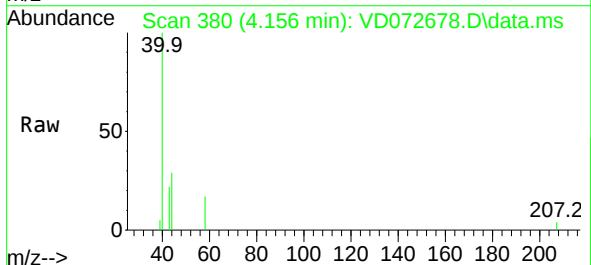
Instrument :
 MSVOA_D
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 HR-02-042122

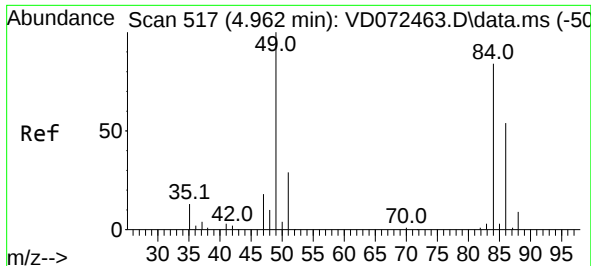
Tgt Ion: 41 Resp: 54
 Ion Ratio Lower Upper
 41 100
 39 0.0 59.3 88.9#
 76 0.0 25.7 38.5#



#16
 Acetone
 Concen: 14.540 ug/l
 RT: 4.156 min Scan# 380
 Delta R.T. 0.000 min
 Lab File: VD072678.D
 Acq: 21 Apr 2022 18:40

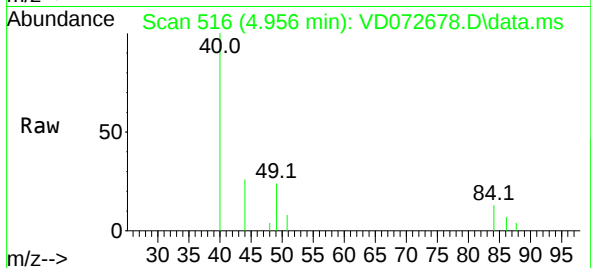
Tgt Ion: 43 Resp: 1625
 Ion Ratio Lower Upper
 43 100
 58 77.2 22.1 33.1#



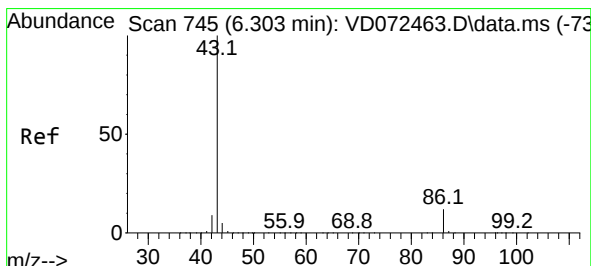
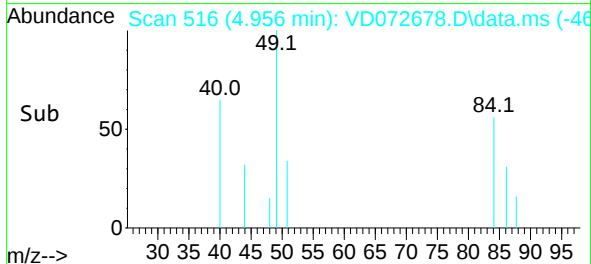
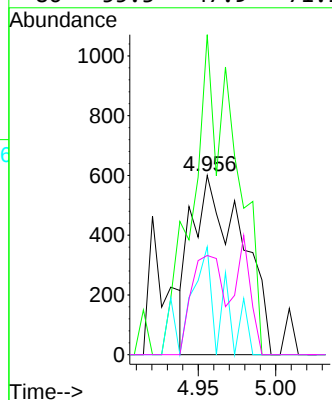


#20
Methylene Chloride
Concen: 2.010 ug/l
RT: 4.956 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD072678.D
Acq: 21 Apr 2022 18:40

Instrument :
MSVOA_D
ClientSampleId :
HR-02-042122

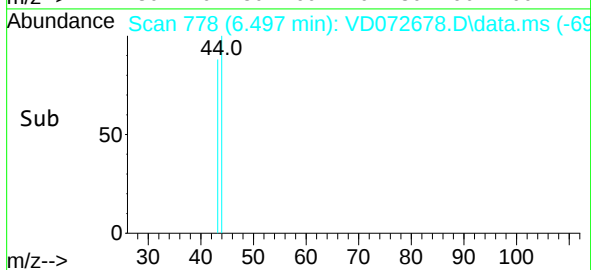
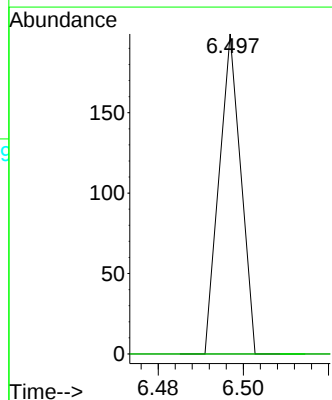
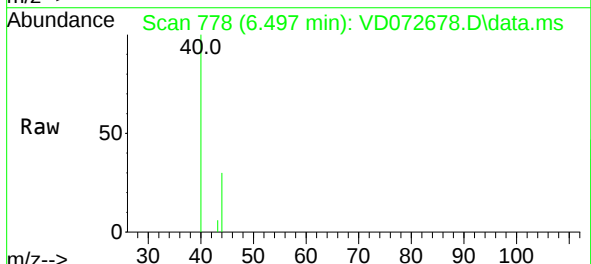


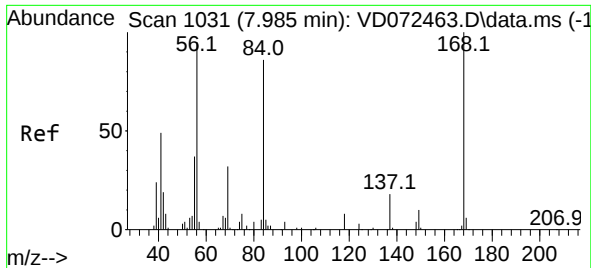
Tgt Ion: 84	Resp: 1337
Ion Ratio	Lower Upper
84 100	
49 178.5	112.8 169.2#
51 60.2	32.6 48.8#
86 55.3	47.9 71.9



#23
Vinyl Acetate
Concen: 6.360 ug/l
RT: 6.497 min Scan# 778
Delta R.T. 0.194 min
Lab File: VD072678.D
Acq: 21 Apr 2022 18:40

Tgt Ion: 43	Resp: 70
Ion Ratio	Lower Upper
43 100	
86 0.0	7.1 10.7#

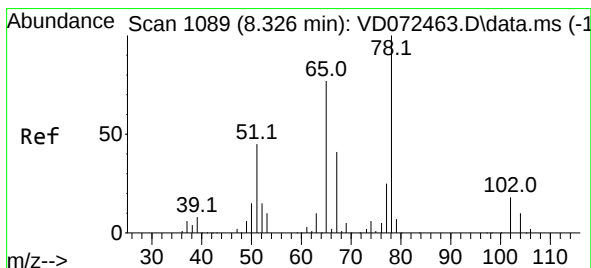
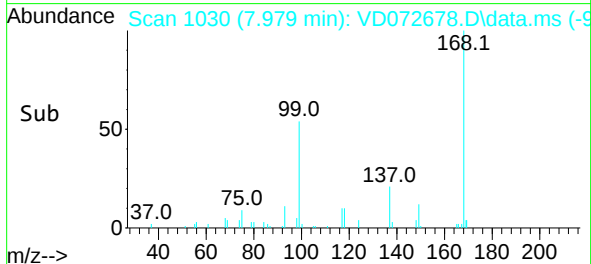
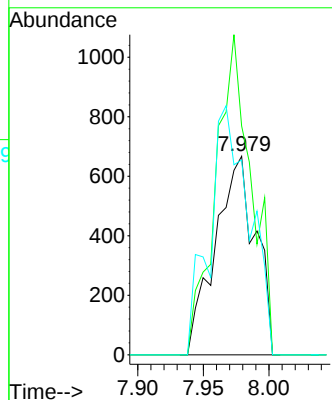
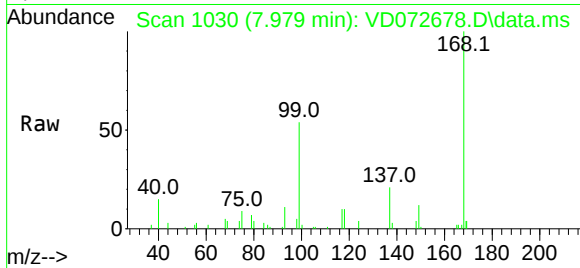




#31
Cyclohexane
Concen: 1.820 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072678.D
Acq: 21 Apr 2022 18:40

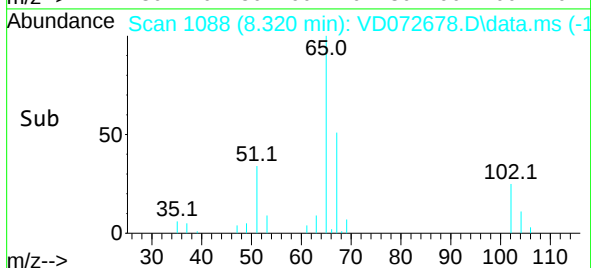
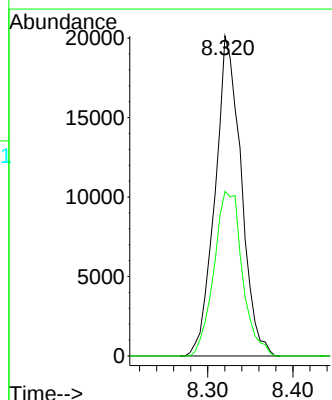
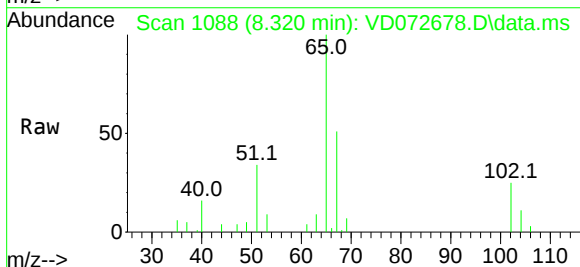
Instrument :
MSVOA_D
ClientSampleId :
HR-02-042122

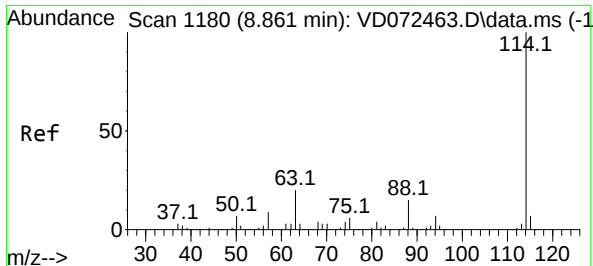
Tgt Ion:	56	Resp:	1426
Ion	Ratio	Lower	Upper
56	100		
69	115.3	25.4	38.2#
84	98.2	63.0	94.4#



#33
1,2-Dichloroethane-d4
Concen: 71.296 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD072678.D
Acq: 21 Apr 2022 18:40

Tgt Ion:	65	Resp:	42731
Ion	Ratio	Lower	Upper
65	100		
67	56.0	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: VD072678.D

Acq: 21 Apr 2022 18:40

Instrument :

MSVOA_D

ClientSampleId :

HR-02-042122

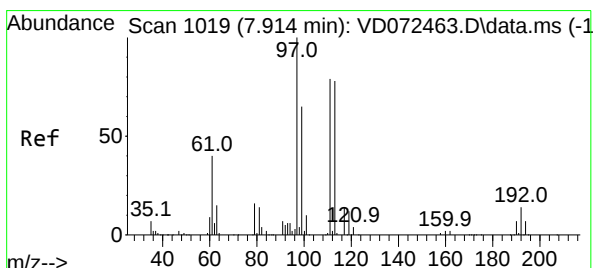
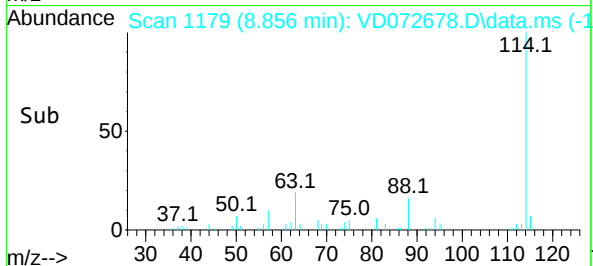
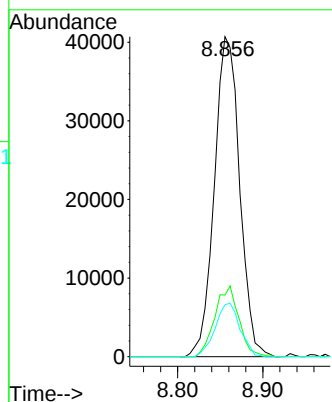
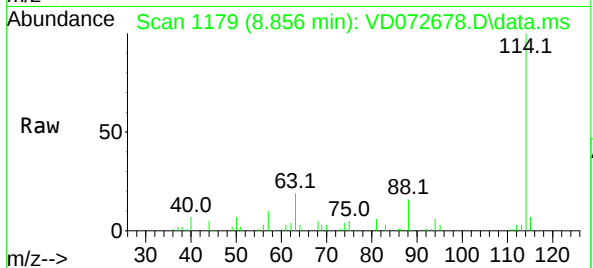
Tgt Ion:114 Resp: 83874

Ion Ratio Lower Upper

114 100

63 19.2 0.0 46.6

88 16.2 0.0 33.2



#35

Dibromofluoromethane

Concen: 54.302 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD072678.D

Acq: 21 Apr 2022 18:40

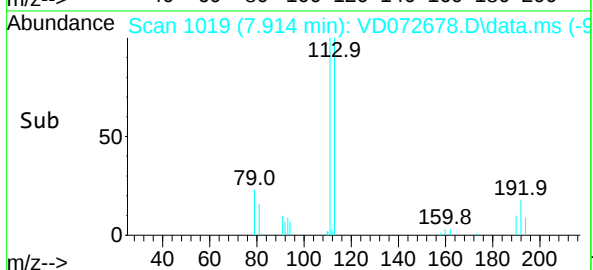
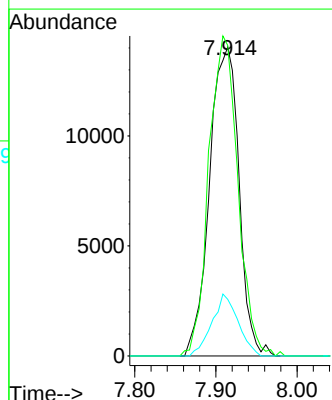
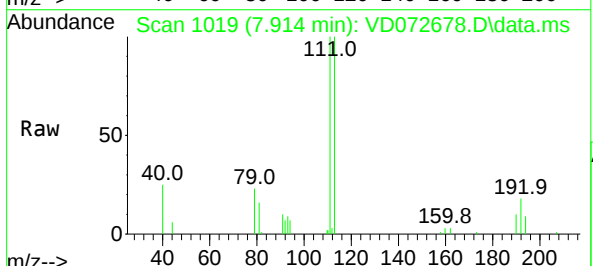
Tgt Ion:113 Resp: 35395

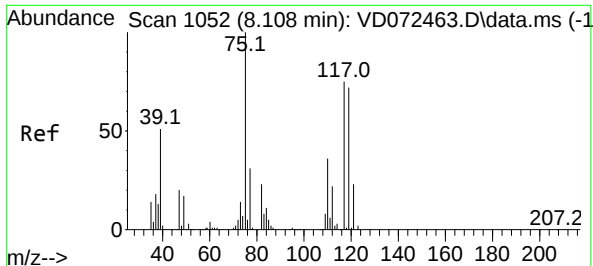
Ion Ratio Lower Upper

113 100

111 102.1 83.8 125.6

192 17.8 14.6 21.8





#36

1,1-Dichloropropene

Concen: 5.859 ug/l

RT: 7.979 min Scan# 1029

Delta R.T. -0.129 min

Lab File: VD072678.D

Acq: 21 Apr 2022 18:40

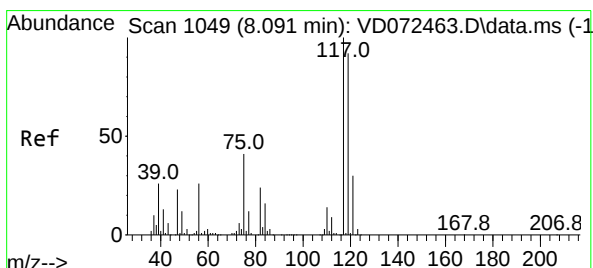
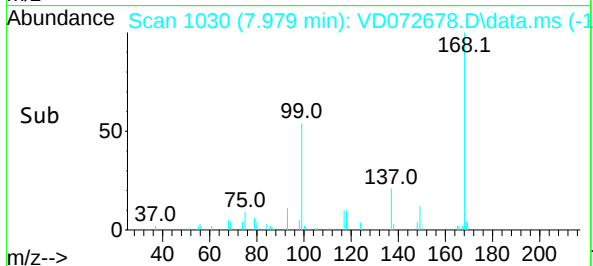
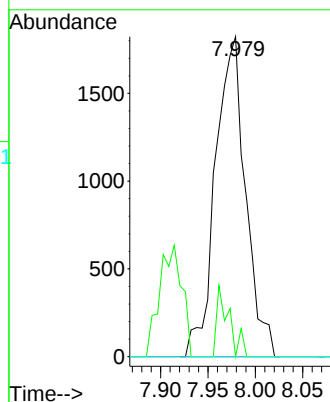
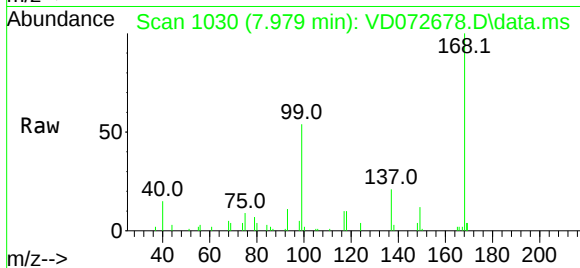
Instrument :

MSVOA_D

ClientSampleId :

HR-02-042122

Tgt Ion: 75	Resp: 4035
Ion Ratio	Lower Upper
75	100
110	9.1 16.4 49.1#
77	0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 6.158 ug/l

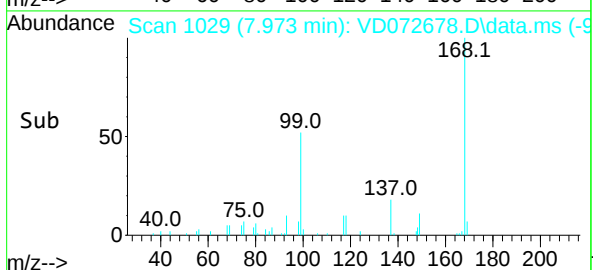
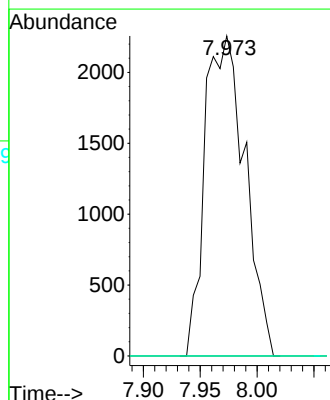
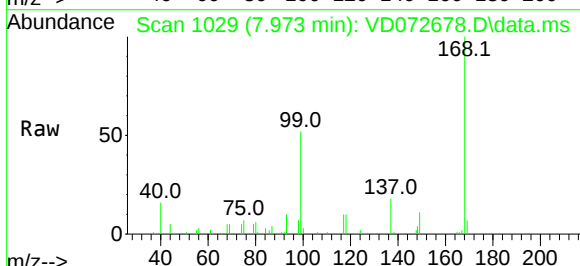
RT: 7.973 min Scan# 1029

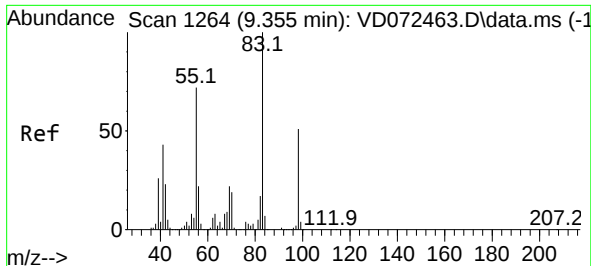
Delta R.T. -0.117 min

Lab File: VD072678.D

Acq: 21 Apr 2022 18:40

Tgt Ion: 117	Resp: 5530
Ion Ratio	Lower Upper
117	100
119	0.0 75.8 113.6#
121	0.0 24.5 36.7#





#39

Methylcyclohexane

Concen: 2.957 ug/l

RT: 9.344 min Scan# 11

Delta R.T. -0.011 min

Lab File: VD072678.D

Acq: 21 Apr 2022 18:40

Instrument :

MSVOA_D

ClientSampleId :

HR-02-042122

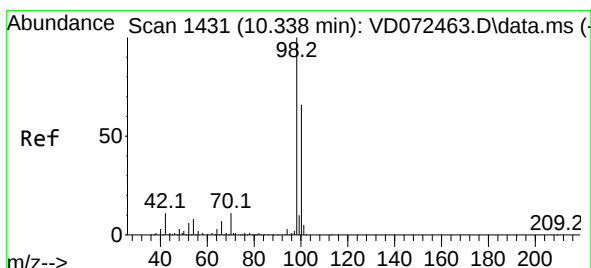
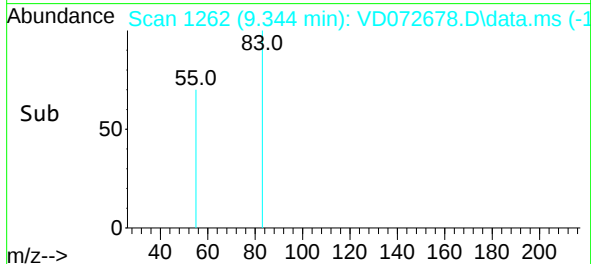
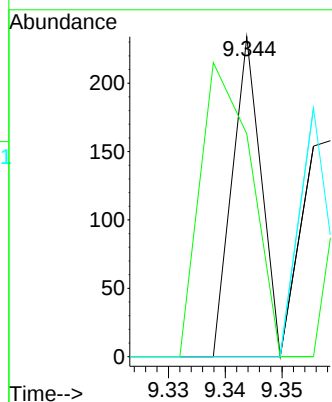
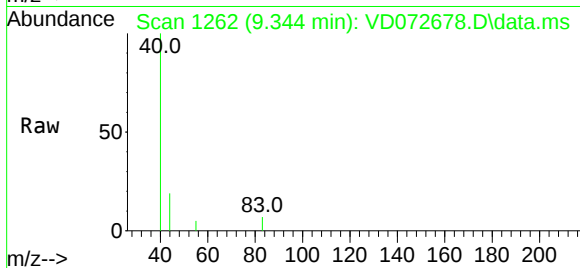
Tgt Ion: 83 Resp: 83

Ion Ratio Lower Upper

83 100

55 69.7 63.2 94.8

98 0.0 38.2 57.4#



#50

Toluene-d8

Concen: 44.489 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.006 min

Lab File: VD072678.D

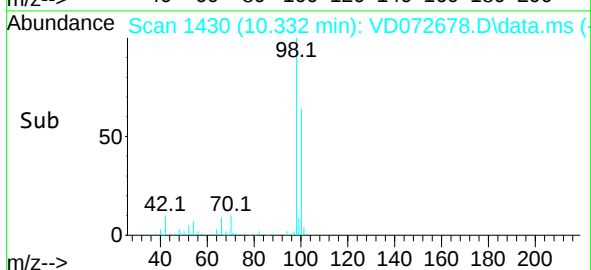
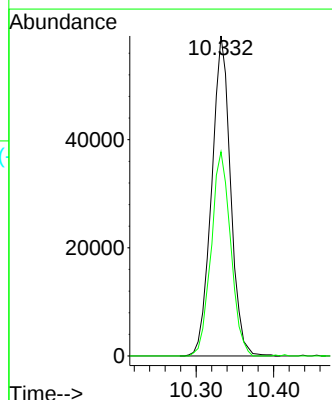
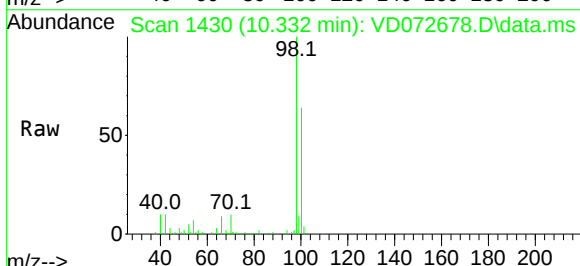
Acq: 21 Apr 2022 18:40

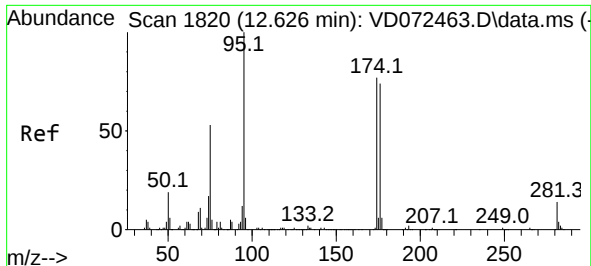
Tgt Ion: 98 Resp: 100802

Ion Ratio Lower Upper

98 100

100 65.6 52.4 78.6

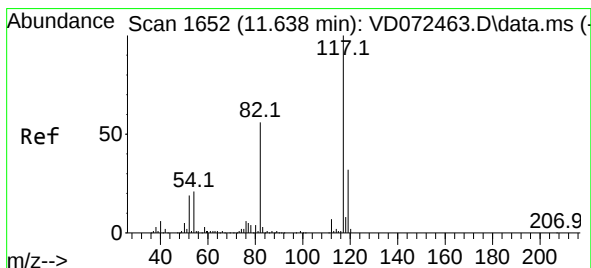
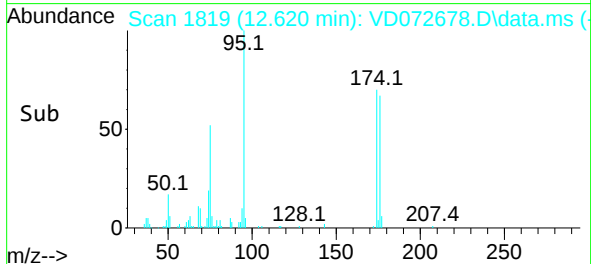
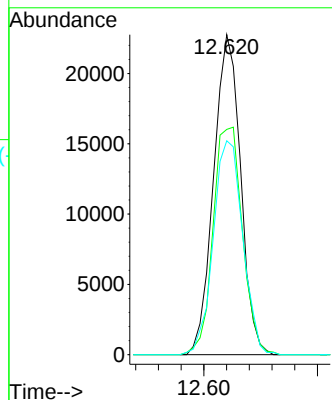
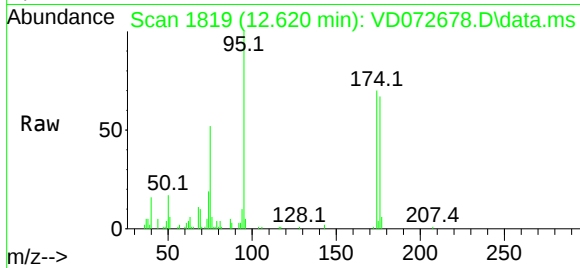




#62
4-Bromofluorobenzene
Concen: 42.485 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072678.D
Acq: 21 Apr 2022 18:40

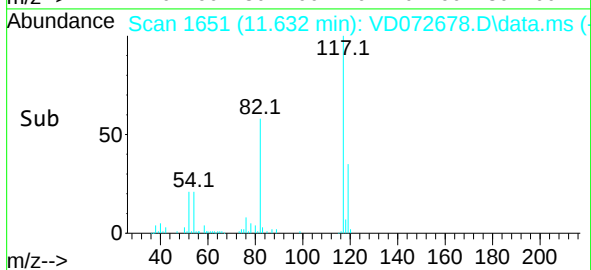
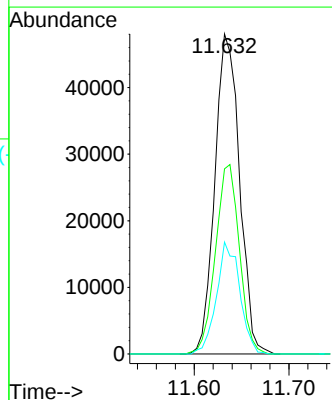
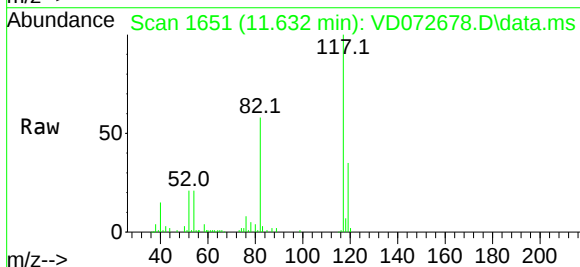
Instrument :
MSVOA_D
ClientSampleId :
HR-02-042122

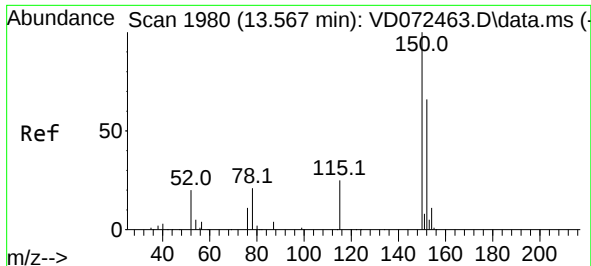
Tgt Ion: 95 Resp: 37594
Ion Ratio Lower Upper
95 100
174 77.1 0.0 152.8
176 72.9 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD072678.D
Acq: 21 Apr 2022 18:40

Tgt Ion: 117 Resp: 87130
Ion Ratio Lower Upper
117 100
82 57.8 45.3 67.9
119 34.9 26.6 40.0

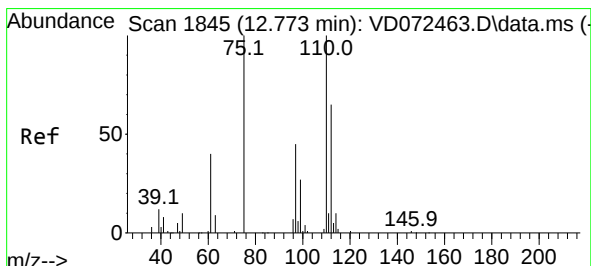
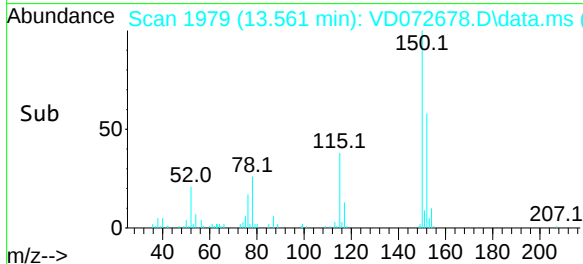
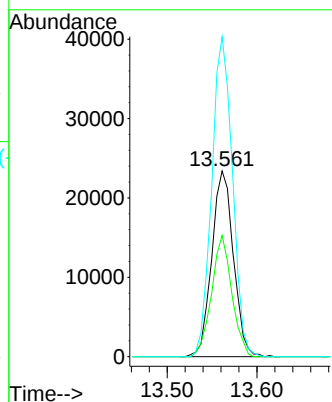
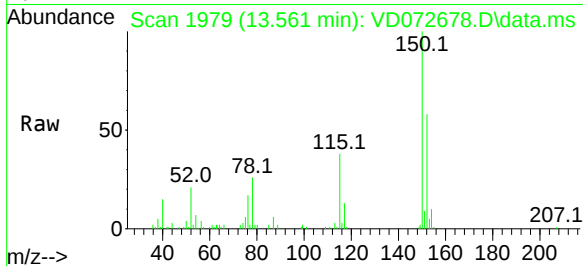




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072678.D
Acq: 21 Apr 2022 18:40

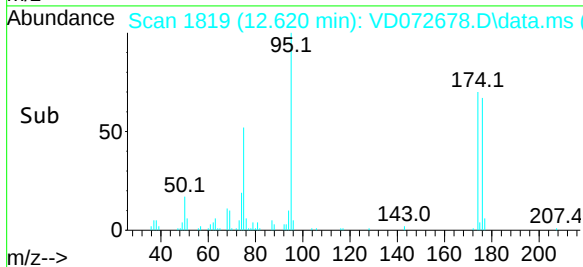
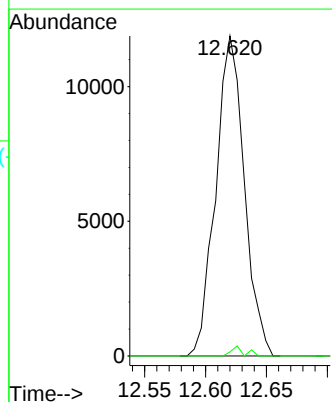
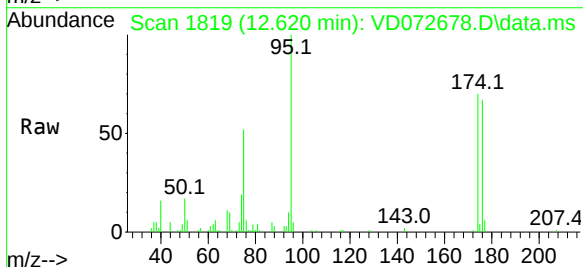
Instrument :
MSVOA_D
ClientSampleId :
HR-02-042122

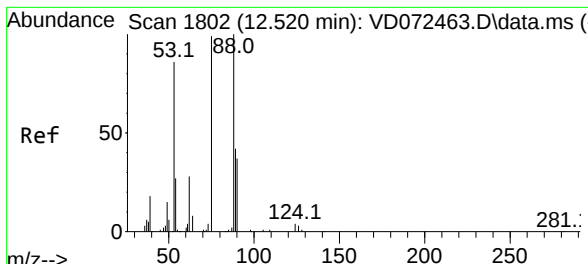
Tgt Ion:152 Resp: 39105
Ion Ratio Lower Upper
152 100
115 61.1 31.3 93.8
150 165.3 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 45.493 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072678.D
Acq: 21 Apr 2022 18:40

Tgt Ion: 75 Resp: 19403
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 111.632 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD072678.D
 Acq: 21 Apr 2022 18:40

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-02-042122

Tgt Ion: 75 Resp: 19403
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.5 129.7#
 89 0.0 33.9 50.9#

