

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042122\
 Data File : VD072679.D
 Acq On : 21 Apr 2022 19:09
 Operator : VA/SY
 Sample : N2525-05
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-04-042122

Quant Time: Apr 22 03:42:45 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)

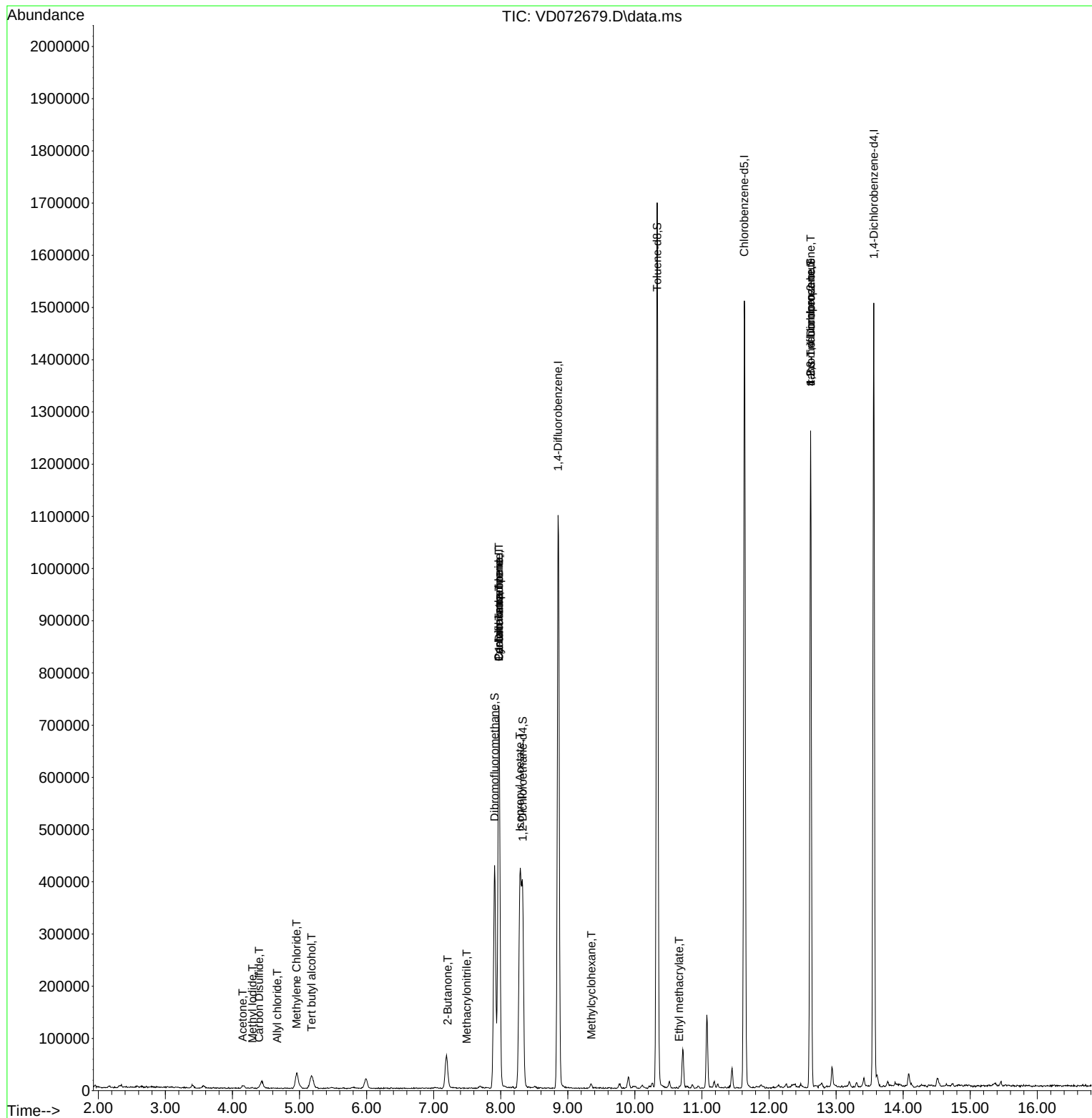
Internal Standards						
1) Pentafluorobenzene	7.973	168	540415	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	968411	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	896514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	394847	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	286629	43.845	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	87.680%		
35) Dibromofluoromethane	7.909	113	302687	40.219	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	80.440%		
50) Toluene-d8	10.332	98	1149401	43.936	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	87.880%		
62) 4-Bromofluorobenzene	12.620	95	396353	38.794	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	77.580%		
Target Compounds						Qvalue
10) Methyl Iodide	4.297	142	870	3.870	ug/l #	59
11) Tert butyl alcohol	5.179	59	22926	66.407	ug/l #	75
14) Allyl chloride	4.668	41	58	1.133	ug/l #	22
16) Acetone	4.150	43	9481	7.778	ug/l	94
17) Carbon Disulfide	4.397	76	3560	3.940	ug/l #	74
20) Methylene Chloride	4.956	84	21984	3.029	ug/l #	88
25) 2-Butanone	7.209	43	4155	2.465	ug/l #	87
31) Cyclohexane	7.973	56	11250	1.316	ug/l #	1
36) 1,1-Dichloropropene	7.973	75	44656	5.663	ug/l #	52
38) Carbon Tetrachloride	7.973	117	56202	5.421	ug/l #	16
39) Methylcyclohexane	9.350	83	3072	3.135	ug/l #	85
41) Methacrylonitrile	7.491	41	57	1.682	ug/l #	27
43) Isopropyl Acetate	8.285	43	9807	1.282	ug/l #	1
56) Ethyl methacrylate	10.661	69	56	1.198	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	200739	46.614	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	200739	114.381	ug/l #	7

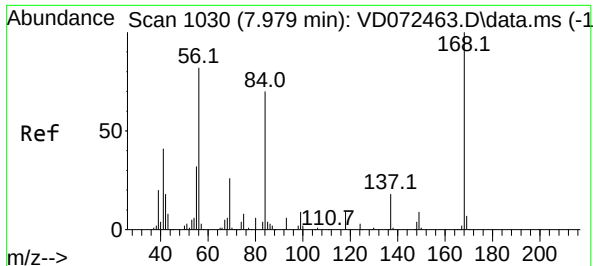
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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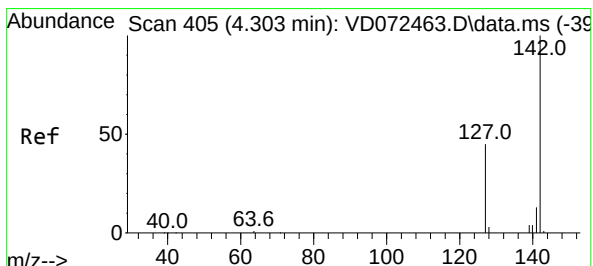
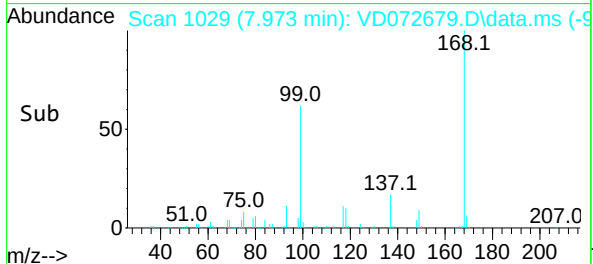
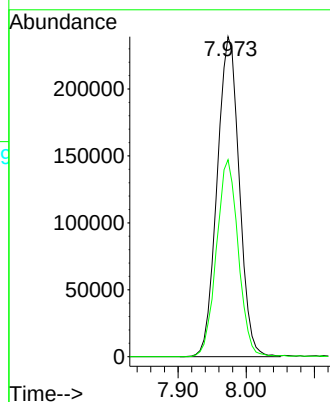
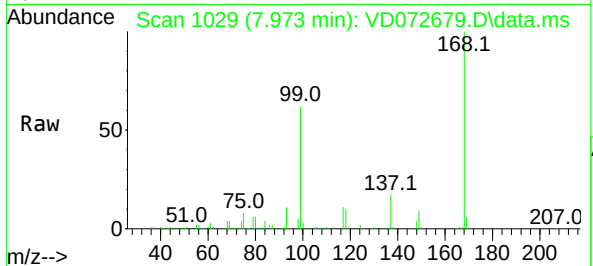




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD072679.D
Acq: 21 Apr 2022 19:09

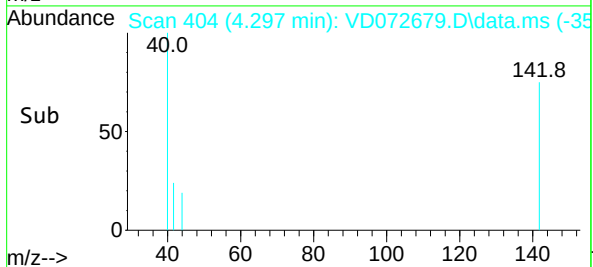
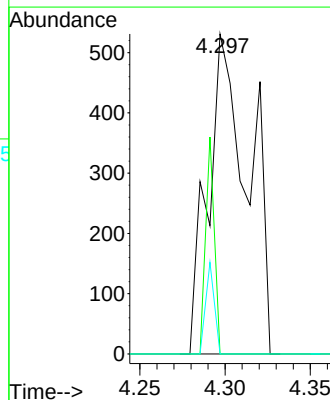
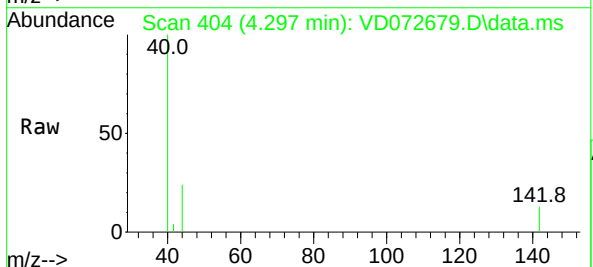
Instrument :
MSVOA_D
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HR-04-042122

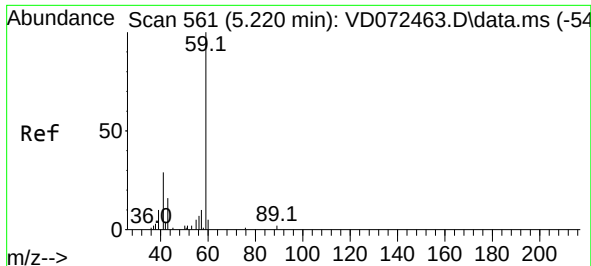
Tgt Ion:168 Resp: 540415
Ion Ratio Lower Upper
168 100
99 61.6 49.8 74.6



#10
Methyl Iodide
Concen: 3.870 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD072679.D
Acq: 21 Apr 2022 19:09

Tgt Ion:142 Resp: 870
Ion Ratio Lower Upper
142 100
127 14.6 37.3 55.9#
141 6.2 11.7 17.5#

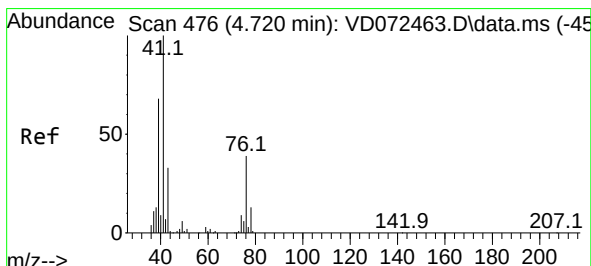
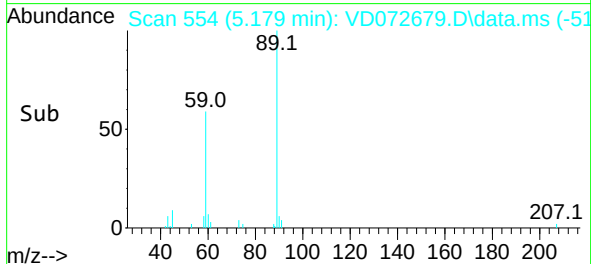
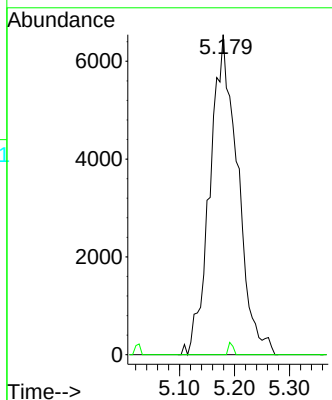
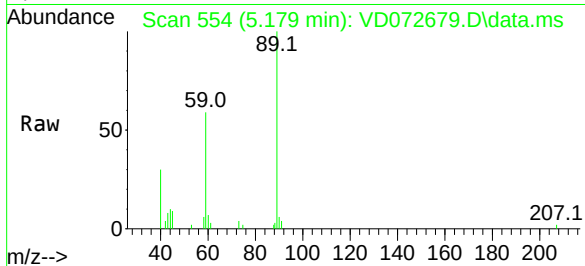




#11
Tert butyl alcohol
Concen: 66.407 ug/l
RT: 5.179 min Scan# 51
Delta R.T. -0.041 min
Lab File: VD072679.D
Acq: 21 Apr 2022 19:09

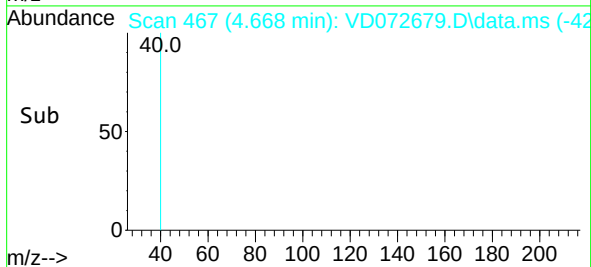
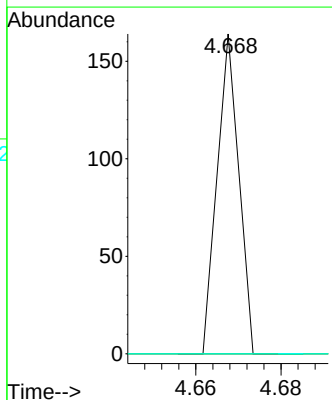
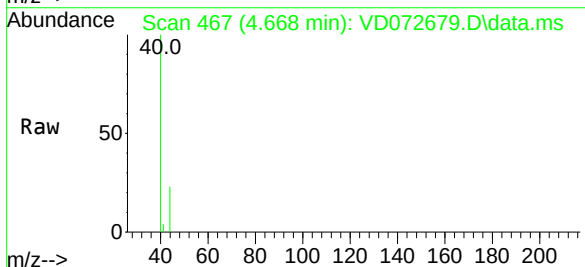
Instrument :
MSVOA_D
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HR-04-042122

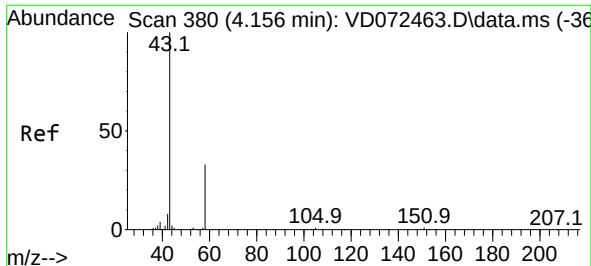
Tgt Ion: 59 Resp: 22926
Ion Ratio Lower Upper
59 100
57 0.6 7.8 11.6#



#14
Allyl chloride
Concen: 1.133 ug/l
RT: 4.668 min Scan# 467
Delta R.T. -0.052 min
Lab File: VD072679.D
Acq: 21 Apr 2022 19:09

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#

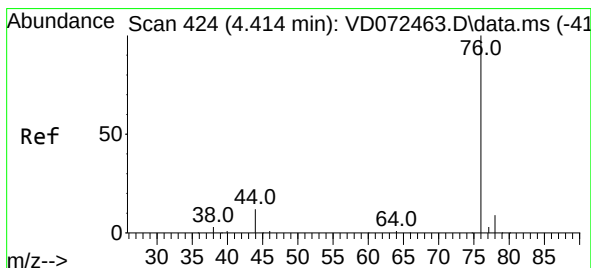
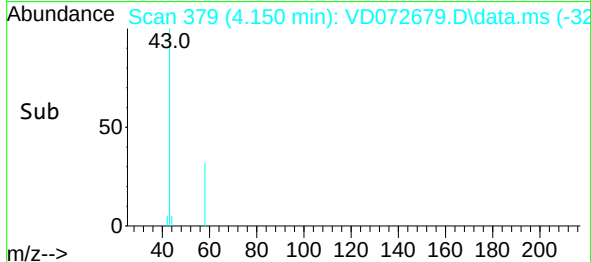
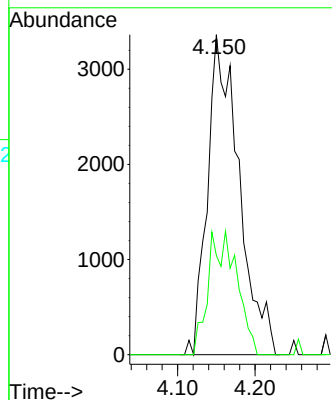
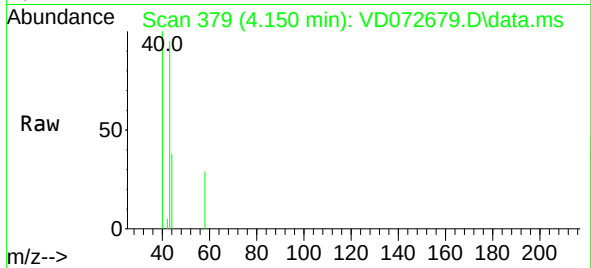




#16
Acetone
Concen: 7.778 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD072679.D
Acq: 21 Apr 2022 19:09

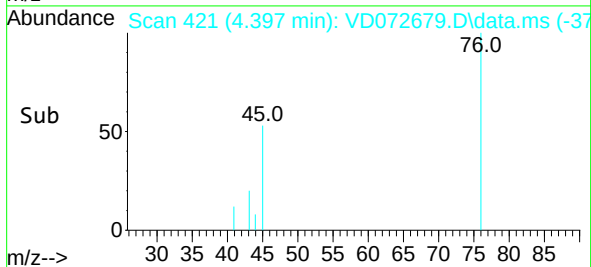
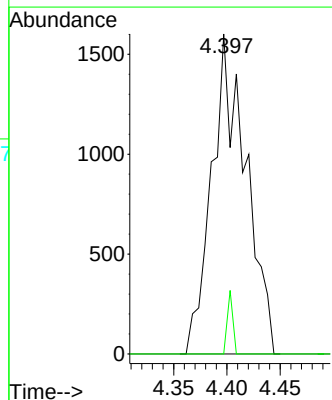
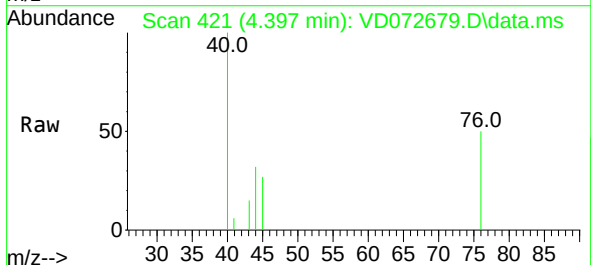
Instrument :
MSVOA_D
ClientSampleId :
HR-04-042122

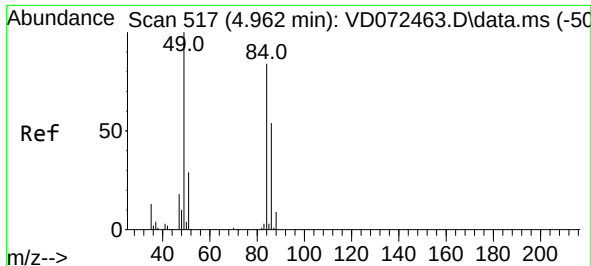
Tgt Ion: 43 Resp: 9481
Ion Ratio Lower Upper
43 100
58 31.0 22.1 33.1



#17
Carbon Disulfide
Concen: 3.940 ug/l
RT: 4.397 min Scan# 421
Delta R.T. -0.017 min
Lab File: VD072679.D
Acq: 21 Apr 2022 19:09

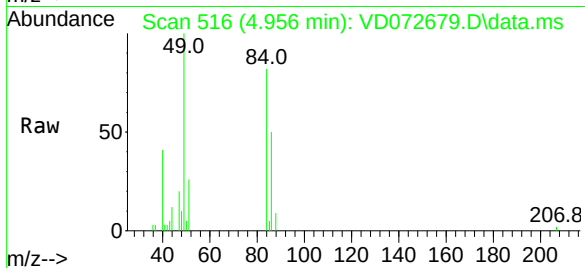
Tgt Ion: 76 Resp: 3560
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#





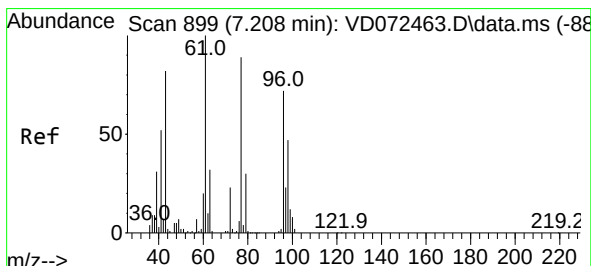
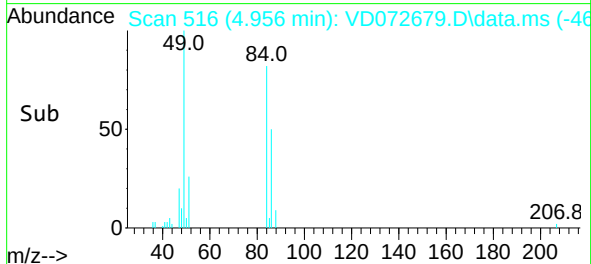
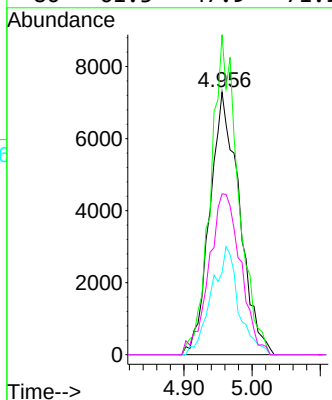
#20
Methylene Chloride
Concen: 3.029 ug/l
RT: 4.956 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD072679.D
Acq: 21 Apr 2022 19:09

Instrument :
MSVOA_D
ClientSampleId :
HR-04-042122



Tgt Ion: 84 Resp: 21984

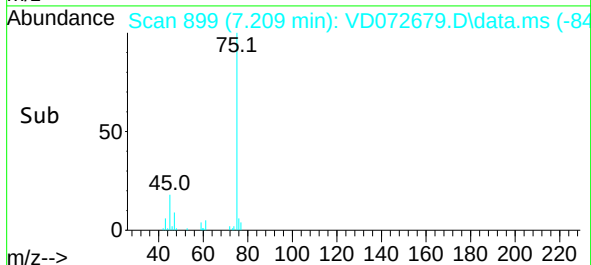
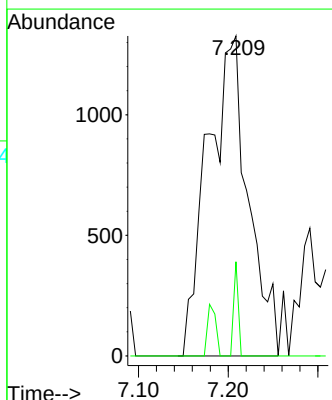
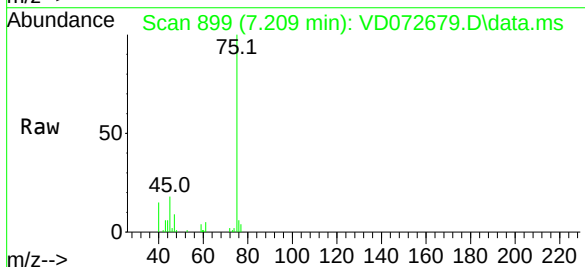
Ion	Ratio	Lower	Upper
84	100		
49	122.0	112.8	169.2
51	31.2	32.6	48.8#
86	61.3	47.9	71.9

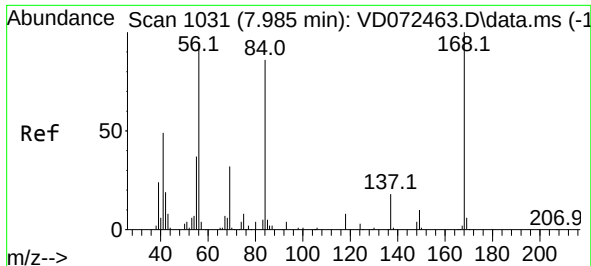


#25
2-Butanone
Concen: 2.465 ug/l
RT: 7.209 min Scan# 899
Delta R.T. 0.000 min
Lab File: VD072679.D
Acq: 21 Apr 2022 19:09

Tgt Ion: 43 Resp: 4155

Ion	Ratio	Lower	Upper
43	100		
72	29.5	18.6	27.8#

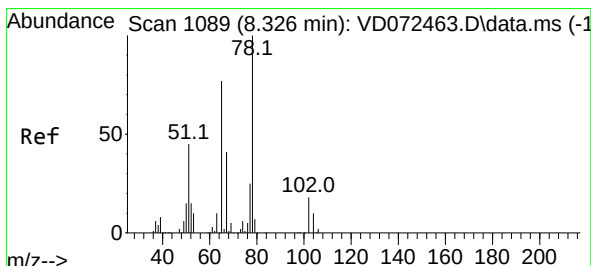
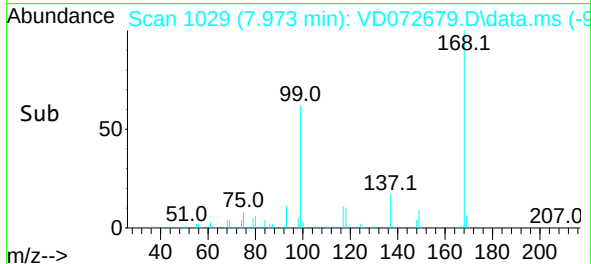
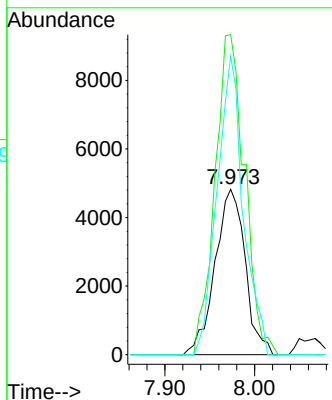
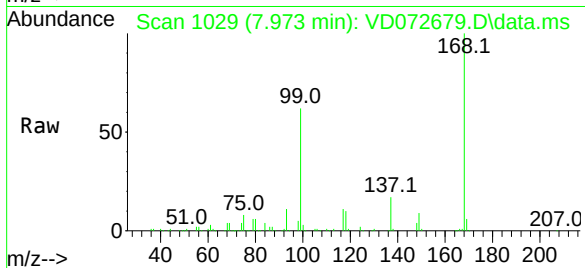




#31
Cyclohexane
Concen: 1.316 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD072679.D
Acq: 21 Apr 2022 19:09

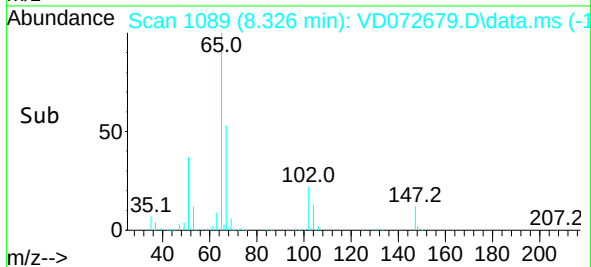
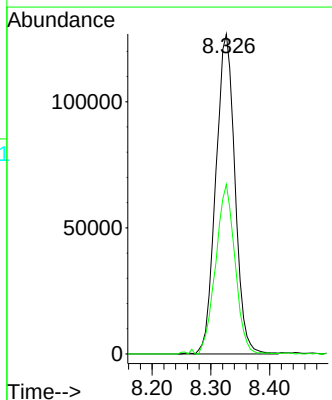
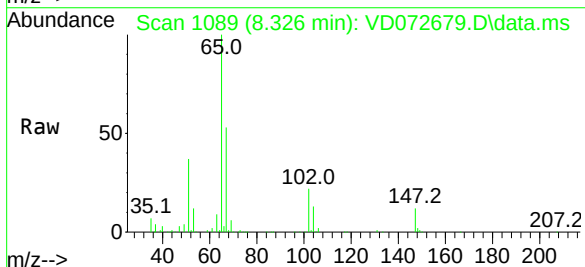
Instrument :
MSVOA_D
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HR-04-042122

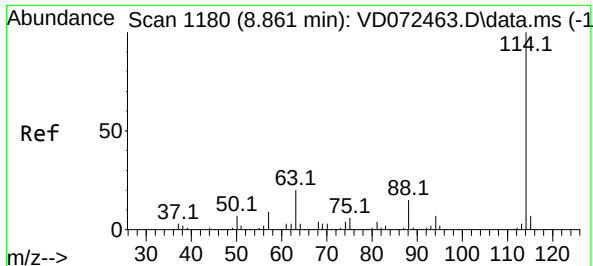
Tgt Ion: 56 Resp: 11250
Ion Ratio Lower Upper
56 100
69 193.3 25.4 38.2#
84 180.3 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 43.845 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD072679.D
Acq: 21 Apr 2022 19:09

Tgt Ion: 65 Resp: 286629
Ion Ratio Lower Upper
65 100
67 53.6 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: VD072679.D

Acq: 21 Apr 2022 19:09

Instrument :

MSVOA_D

ClientSampleId :

HR-04-042122

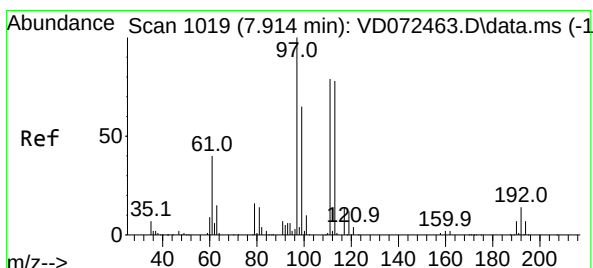
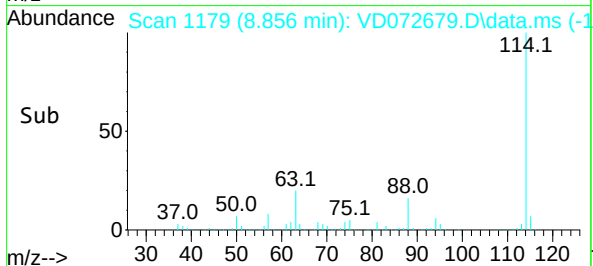
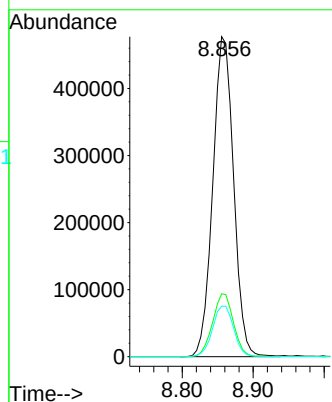
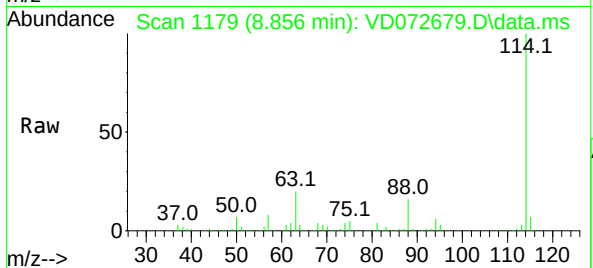
Tgt Ion:114 Resp: 968411

Ion Ratio Lower Upper

114 100

63 19.7 0.0 46.6

88 15.8 0.0 33.2



#35

Dibromofluoromethane

Concen: 40.219 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD072679.D

Acq: 21 Apr 2022 19:09

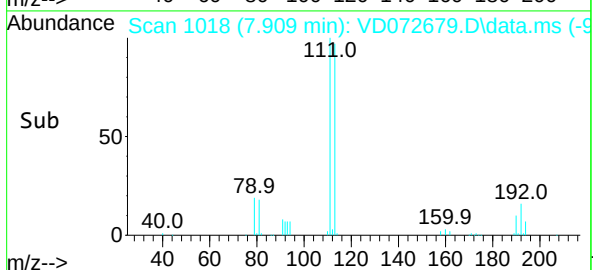
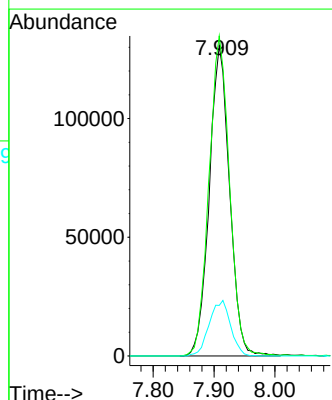
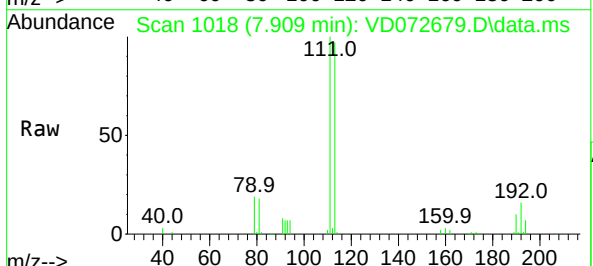
Tgt Ion:113 Resp: 302687

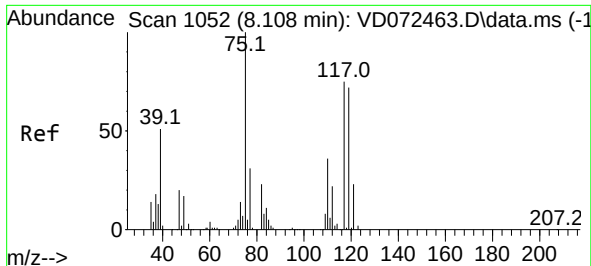
Ion Ratio Lower Upper

113 100

111 104.5 83.8 125.6

192 18.8 14.6 21.8





#36

1,1-Dichloropropene

Concen: 5.663 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD072679.D

Acq: 21 Apr 2022 19:09

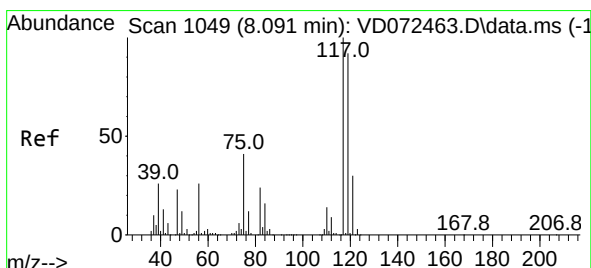
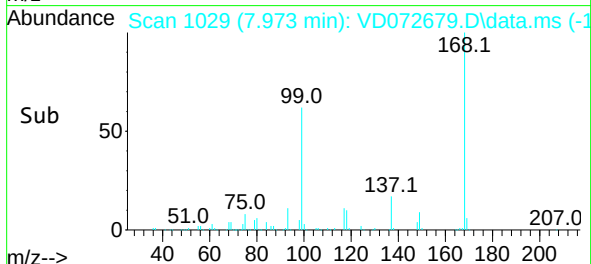
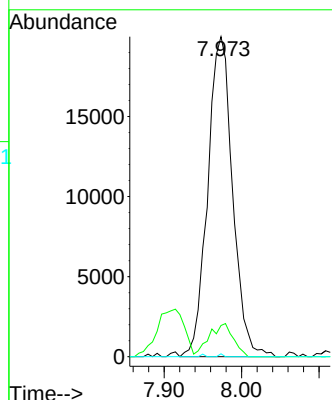
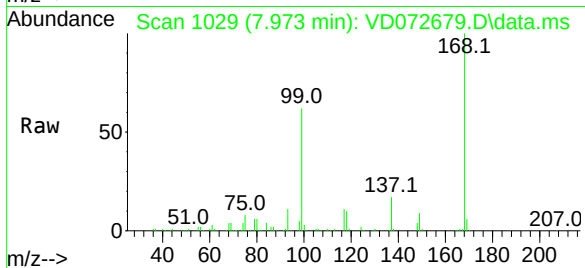
Instrument :

MSVOA_D

ClientSampleId :

HR-04-042122

Tgt Ion: 75	Resp: 44656
Ion Ratio	Lower Upper
75 100	
110 10.0	16.4 49.1#
77 0.1	24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.421 ug/l

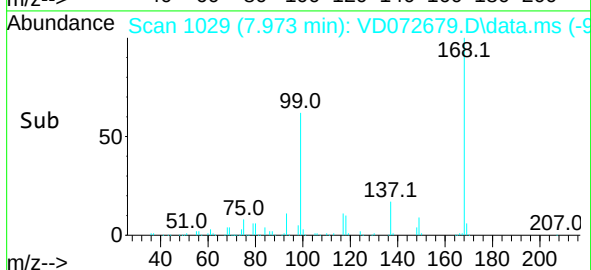
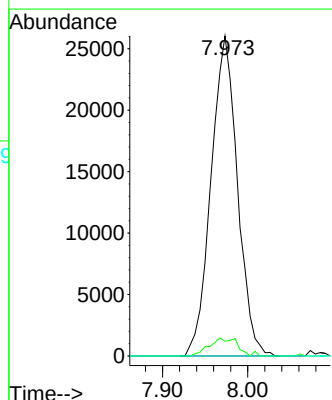
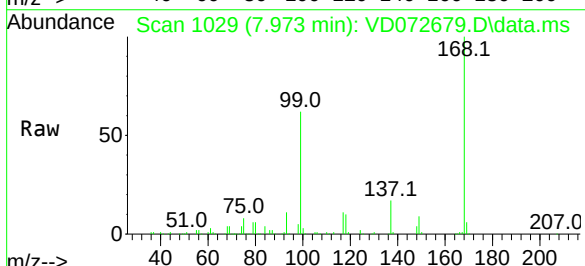
RT: 7.973 min Scan# 1029

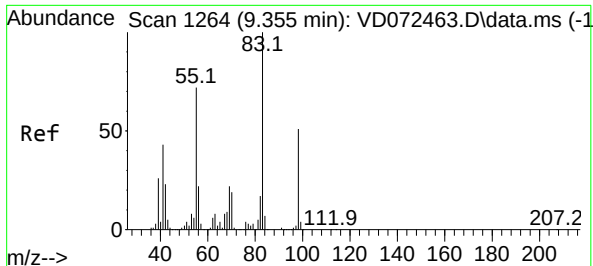
Delta R.T. -0.117 min

Lab File: VD072679.D

Acq: 21 Apr 2022 19:09

Tgt Ion: 117	Resp: 56202
Ion Ratio	Lower Upper
117 100	
119 4.6	75.8 113.6#
121 0.0	24.5 36.7#





#39

Methylcyclohexane

Concen: 3.135 ug/l

RT: 9.350 min Scan# 11

Delta R.T. -0.005 min

Lab File: VD072679.D

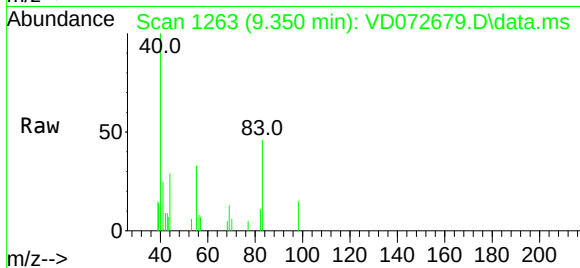
Acq: 21 Apr 2022 19:09

Instrument :

MSVOA_D

ClientSampleId :

HR-04-042122



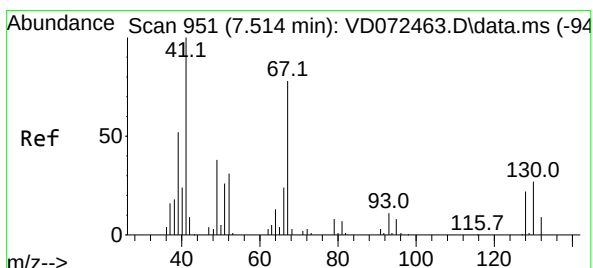
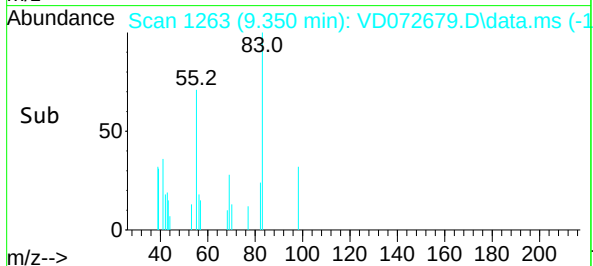
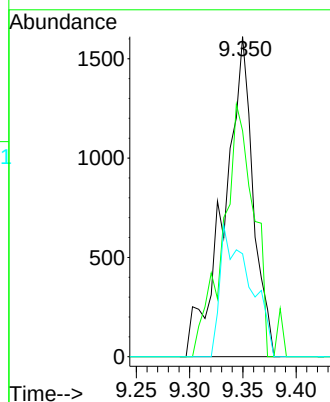
Tgt Ion: 83 Resp: 3072

Ion Ratio Lower Upper

83 100

55 70.6 63.2 94.8

98 32.2 38.2 57.4#



#41

Methacrylonitrile

Concen: 1.682 ug/l

RT: 7.491 min Scan# 947

Delta R.T. -0.023 min

Lab File: VD072679.D

Acq: 21 Apr 2022 19:09

Tgt Ion: 41 Resp: 57

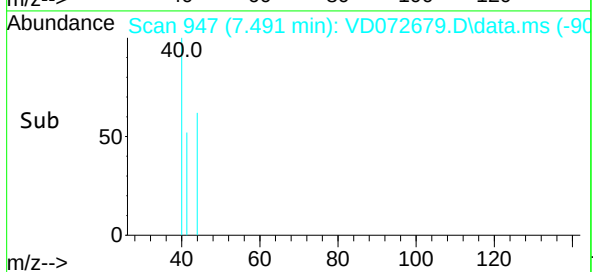
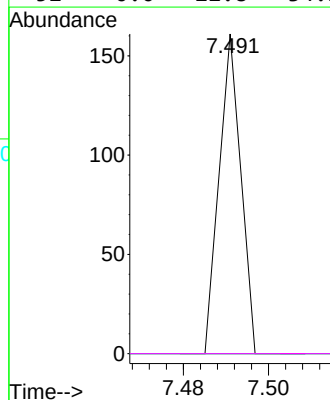
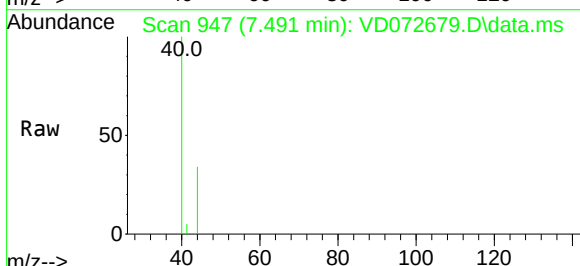
Ion Ratio Lower Upper

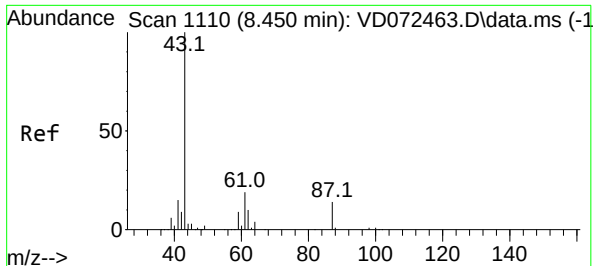
41 100

39 0.0 44.6 67.0#

67 0.0 48.2 72.4#

52 0.0 22.8 34.2#





#43

Isopropyl Acetate

Concen: 1.282 ug/l

RT: 8.285 min Scan# 1082

Delta R.T. -0.165 min

Lab File: VD072679.D

Acq: 21 Apr 2022 19:09

Instrument :

MSVOA_D

ClientSampleId :

HR-04-042122

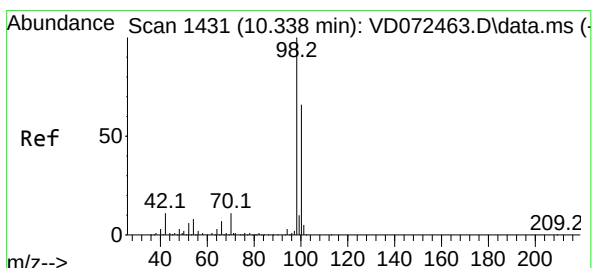
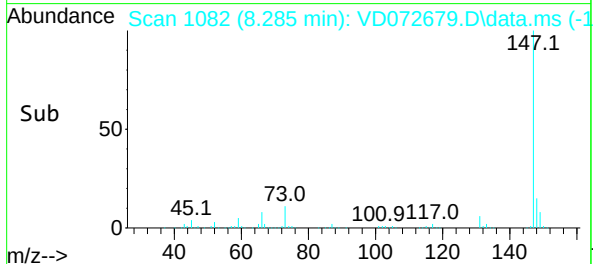
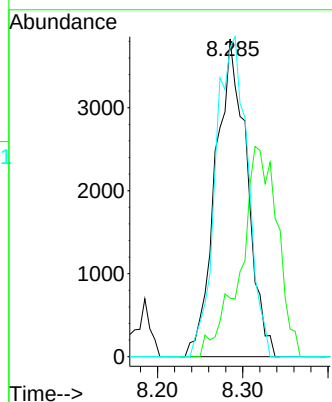
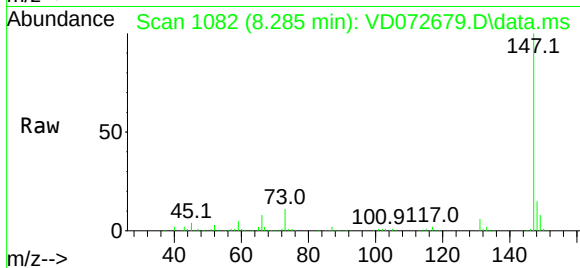
Tgt Ion: 43 Resp: 9807

Ion Ratio Lower Upper

43 100

61 0.0 22.4 33.6#

87 102.8 8.7 13.1#



#50

Toluene-d8

Concen: 43.936 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.006 min

Lab File: VD072679.D

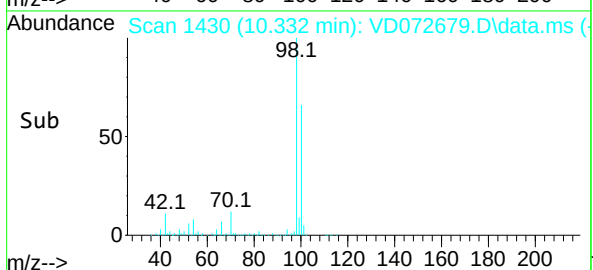
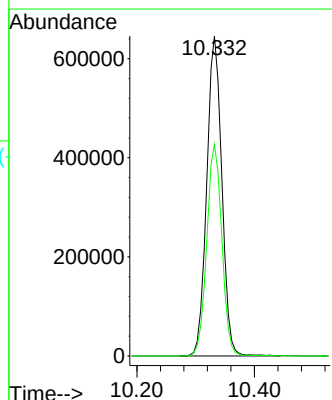
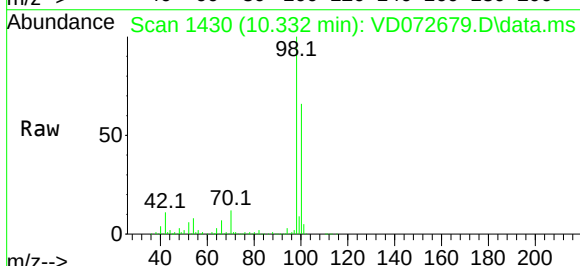
Acq: 21 Apr 2022 19:09

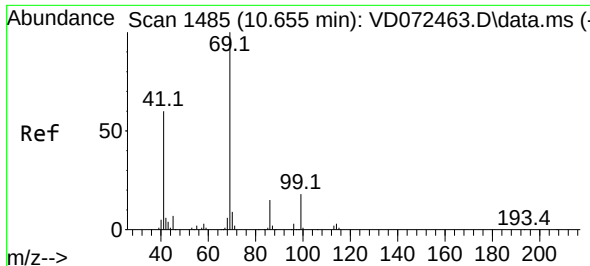
Tgt Ion: 98 Resp: 1149401

Ion Ratio Lower Upper

98 100

100 66.1 52.4 78.6

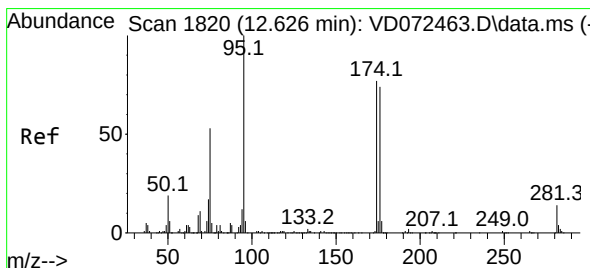
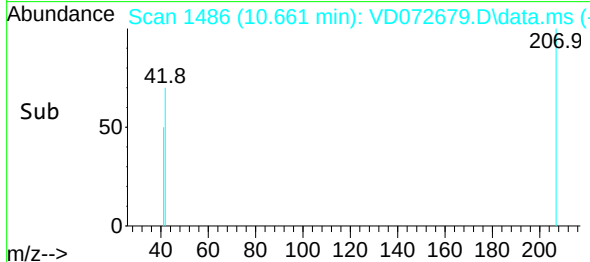
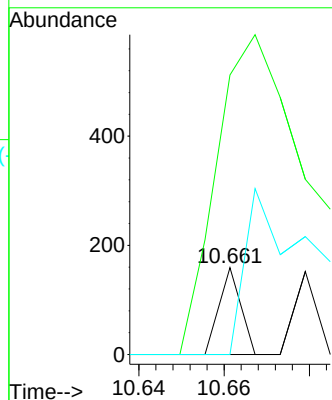
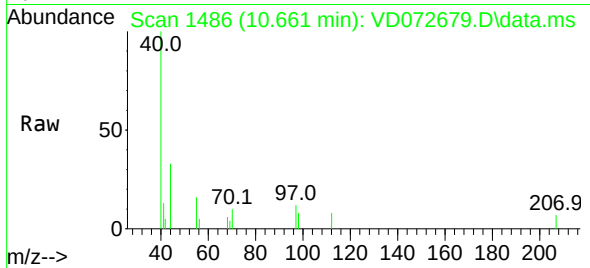




#56
Ethyl methacrylate
Concen: 1.198 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.006 min
Lab File: VD072679.D
Acq: 21 Apr 2022 19:09

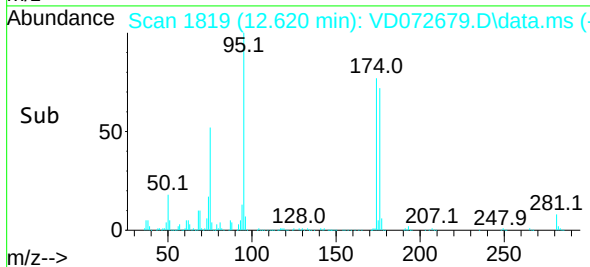
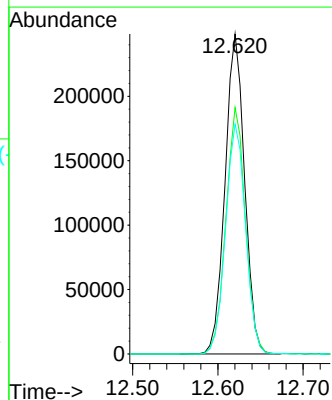
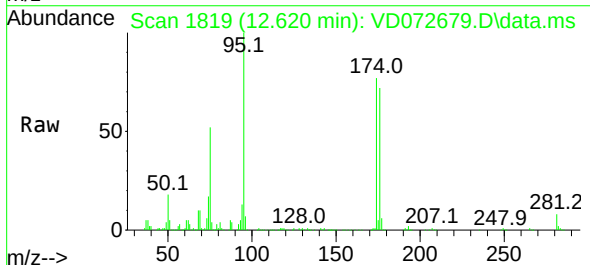
Instrument :
MSVOA_D
ClientSampleId :
HR-04-042122

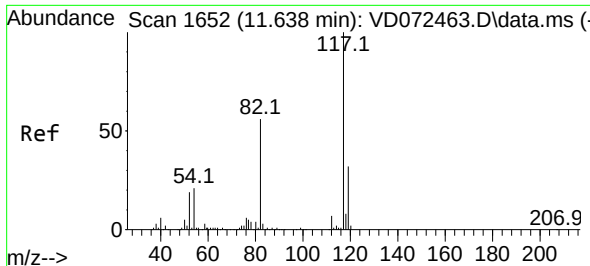
Tgt Ion: 69 Resp: 56
Ion Ratio Lower Upper
69 100
41 1885.7 63.0 94.6#
39 551.8 33.8 50.8#



#62
4-Bromofluorobenzene
Concen: 38.794 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072679.D
Acq: 21 Apr 2022 19:09

Tgt Ion: 95 Resp: 396353
Ion Ratio Lower Upper
95 100
174 77.1 0.0 152.8
176 73.2 0.0 145.4

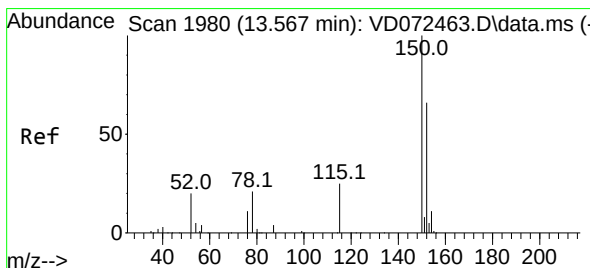
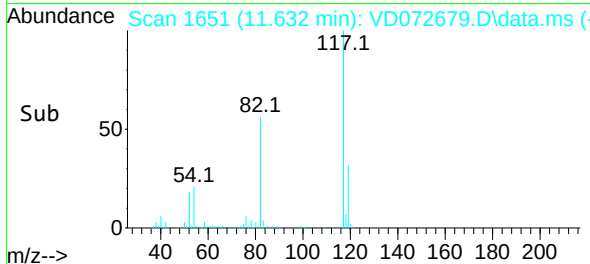
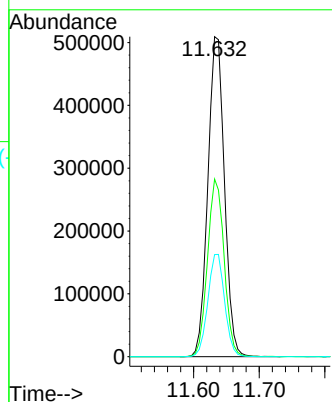
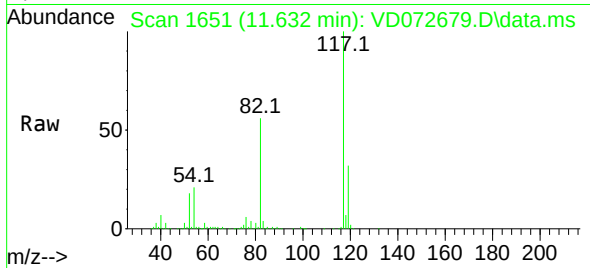




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 117
Delta R.T. -0.006 min
Lab File: VD072679.D
Acq: 21 Apr 2022 19:09

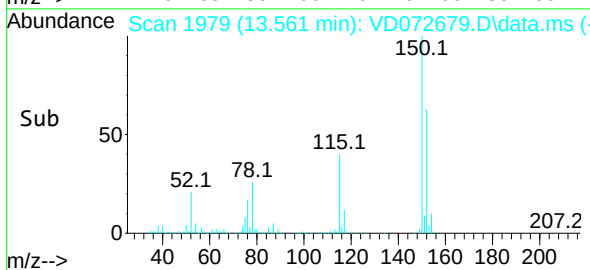
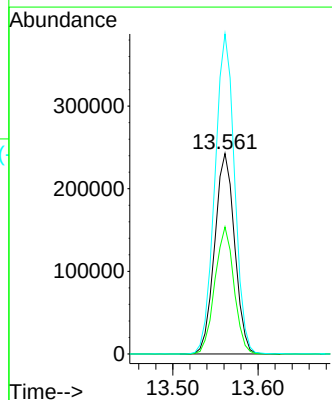
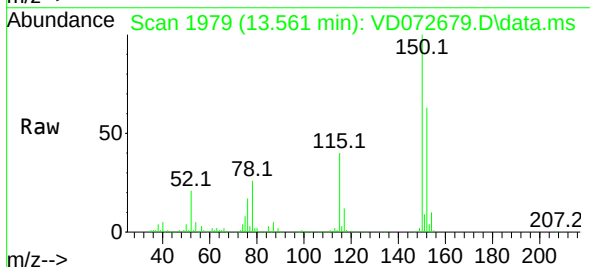
Instrument :
MSVOA_D
ClientSampleId :
HR-04-042122

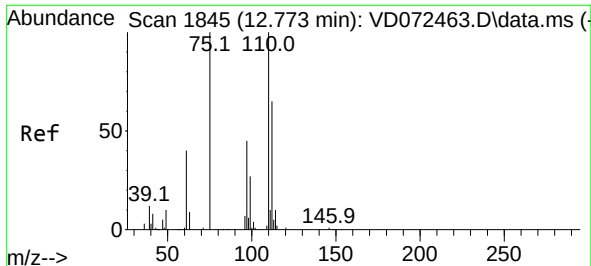
Tgt Ion:117 Resp: 896514
Ion Ratio Lower Upper
117 100
82 55.5 45.3 67.9
119 31.9 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072679.D
Acq: 21 Apr 2022 19:09

Tgt Ion:152 Resp: 394847
Ion Ratio Lower Upper
152 100
115 60.8 31.3 93.8
150 157.6 0.0 348.6

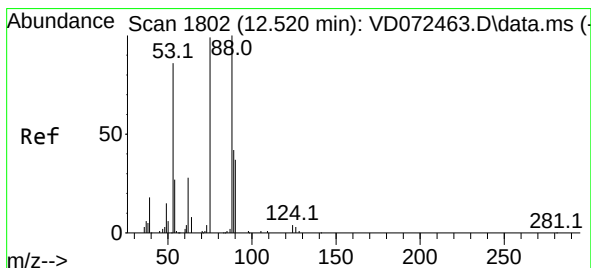
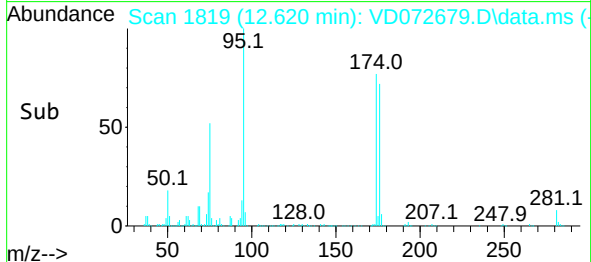
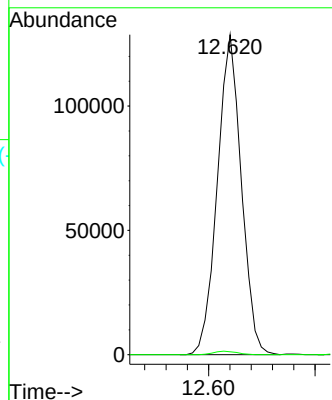
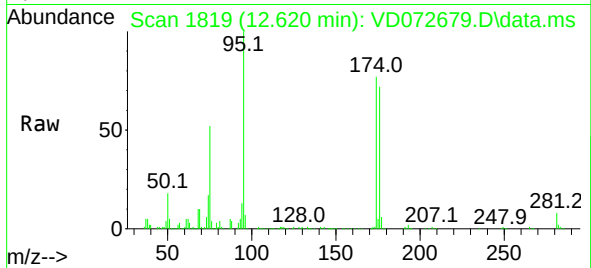




#76
1,2,3-Trichloropropane
Concen: 46.614 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072679.D
Acq: 21 Apr 2022 19:09

Instrument :
MSVOA_D
ClientSampleId :
HR-04-042122

Tgt Ion: 75 Resp: 200739
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 114.381 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD072679.D
Acq: 21 Apr 2022 19:09

Tgt Ion: 75 Resp: 200739
Ion Ratio Lower Upper
75 100
53 0.2 86.5 129.7#
89 0.1 33.9 50.9#

