

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042022\
 Data File : VD072643.D
 Acq On : 20 Apr 2022 13:18
 Operator : VA/SY
 Sample : N2442-03
 Misc : 3.49G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 124030

Quant Time: Apr 20 14:49:20 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)

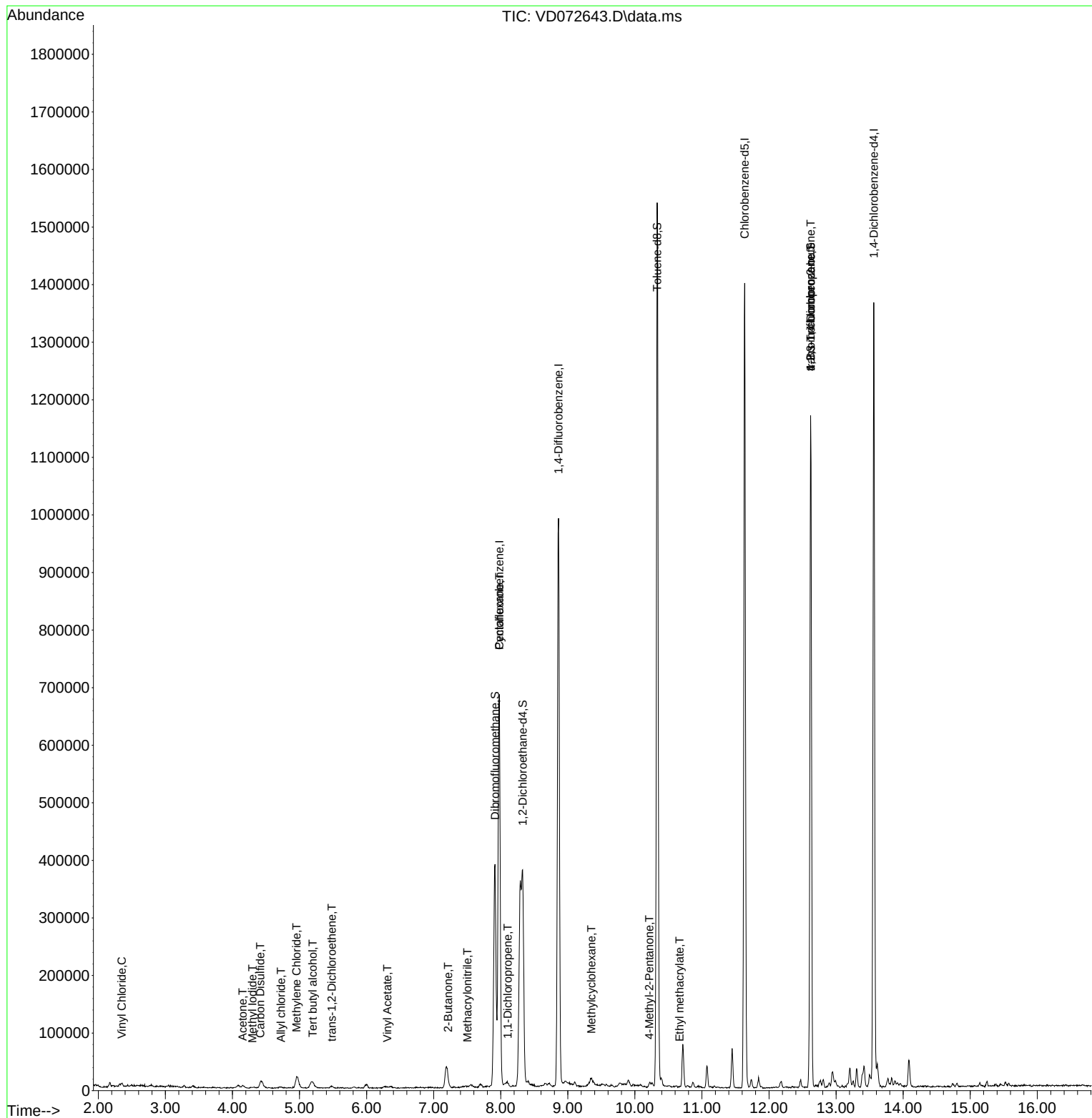
Internal Standards						
1) Pentafluorobenzene	7.979	168	495397	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	875354	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	816088	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	362929	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	268532	44.809	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.620%		
35) Dibromofluoromethane	7.914	113	279925	41.149	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	82.300%		
50) Toluene-d8	10.332	98	1042696	44.095	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	88.180%		
62) 4-Bromofluorobenzene	12.620	95	360906	39.080	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	78.160%		
Target Compounds					Qvalue	
4) Vinyl Chloride	2.350	62	1428	1.285	ug/l #	74
10) Methyl Iodide	4.297	142	1145	3.931	ug/l #	70
11) Tert butyl alcohol	5.197	59	7515	23.746	ug/l #	74
14) Allyl chloride	4.726	41	964	1.247	ug/l #	29
16) Acetone	4.150	43	7258	6.495	ug/l	96
17) Carbon Disulfide	4.415	76	7418	4.340	ug/l #	75
20) Methylene Chloride	4.956	84	16251	2.443	ug/l #	78
21) trans-1,2-Dichloroethene	5.479	96	1423	1.012	ug/l #	50
23) Vinyl Acetate	6.309	43	2267	6.519	ug/l #	88
25) 2-Butanone	7.215	43	2291	1.482	ug/l #	77
31) Cyclohexane	7.979	56	12483	1.593	ug/l #	6
36) 1,1-Dichloropropene	8.103	75	2666	1.424	ug/l	92
39) Methylcyclohexane	9.350	83	3575	3.209	ug/l #	86
41) Methacrylonitrile	7.503	41	69	1.690	ug/l #	27
51) 4-Methyl-2-Pentanone	10.214	43	4433	1.195	ug/l	90
56) Ethyl methacrylate	10.667	69	1437	1.408	ug/l #	48
76) 1,2,3-Trichloropropane	12.620	75	182596	46.130	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	182596	113.193	ug/l #	7

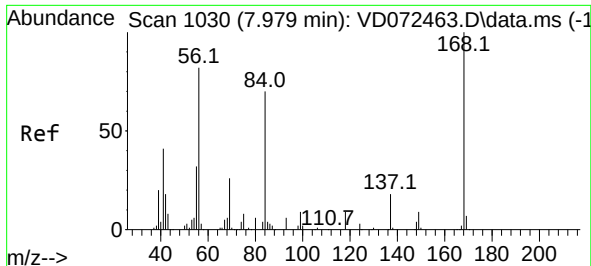
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 30 02:44:36 2022
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD072643.D

Acq: 20 Apr 2022 13:18

Instrument :

MSVOA_D

ClientSampleId :

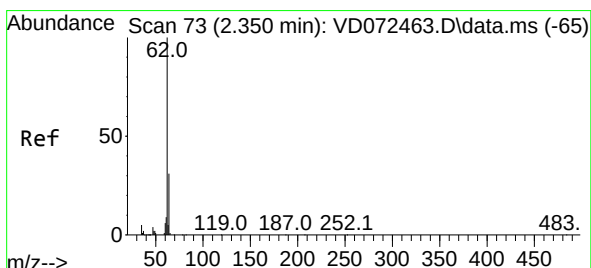
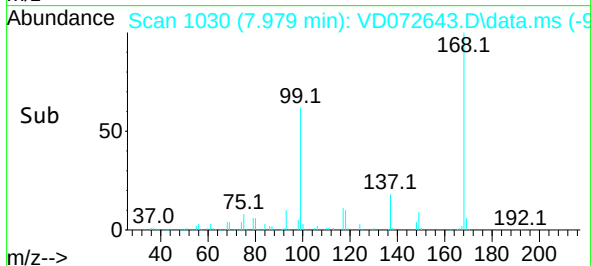
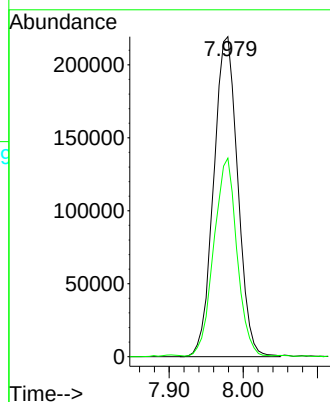
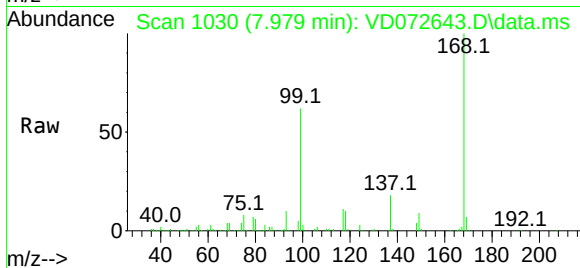
124030

Tgt Ion:168 Resp: 495397

Ion Ratio Lower Upper

168 100

99 61.7 49.8 74.6



#4

Vinyl Chloride

Concen: 1.285 ug/l

RT: 2.350 min Scan# 73

Delta R.T. 0.000 min

Lab File: VD072643.D

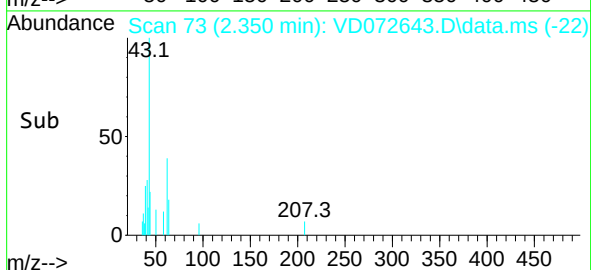
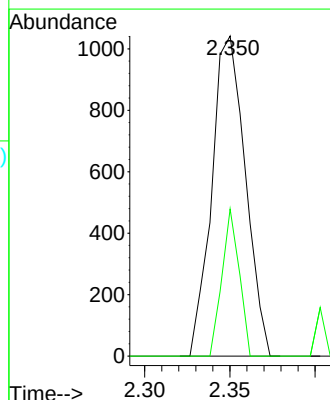
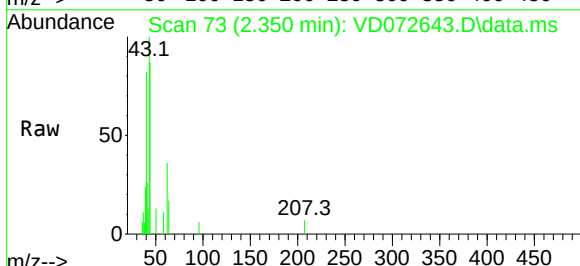
Acq: 20 Apr 2022 13:18

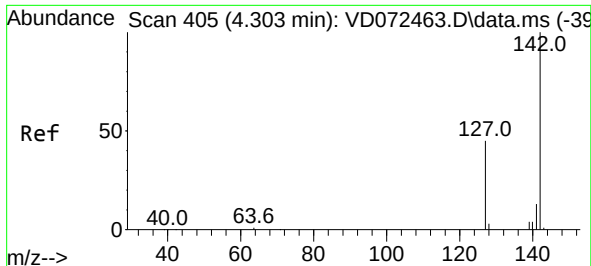
Tgt Ion: 62 Resp: 1428

Ion Ratio Lower Upper

62 100

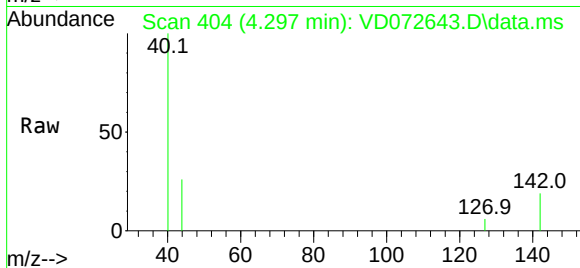
64 46.0 25.4 38.0#



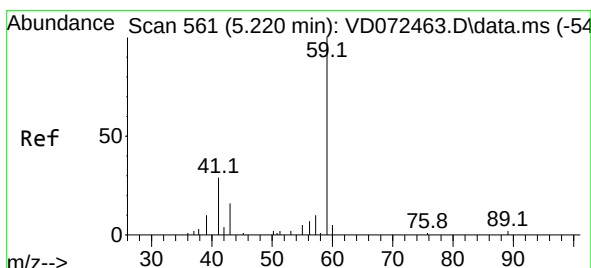
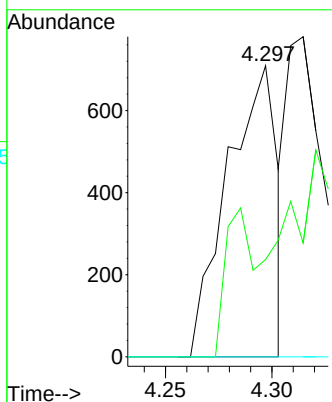
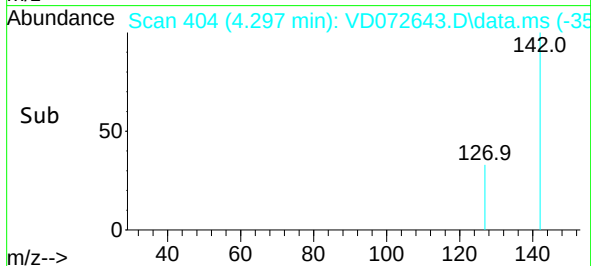


#10
Methyl Iodide
Concen: 3.931 ug/l
RT: 4.297 min Scan# 405
Delta R.T. -0.006 min
Lab File: VD072643.D
Acq: 20 Apr 2022 13:18

Instrument :
MSVOA_D
ClientSampleId :
124030

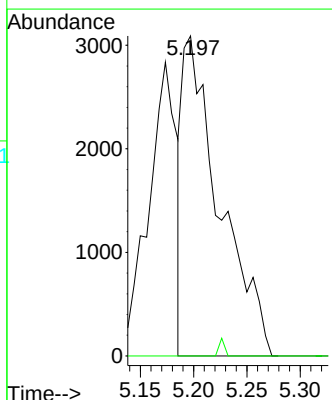
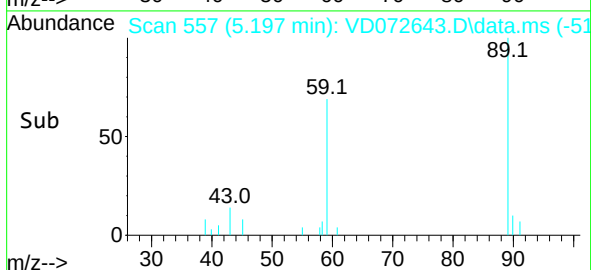
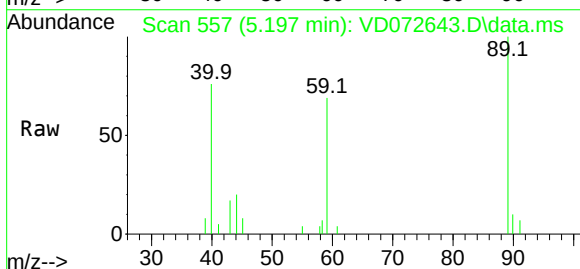


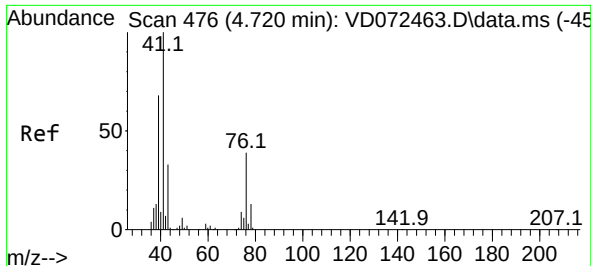
Tgt Ion:142 Resp: 1145
Ion Ratio Lower Upper
142 100
127 27.5 37.3 55.9#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 23.746 ug/l
RT: 5.197 min Scan# 557
Delta R.T. -0.023 min
Lab File: VD072643.D
Acq: 20 Apr 2022 13:18

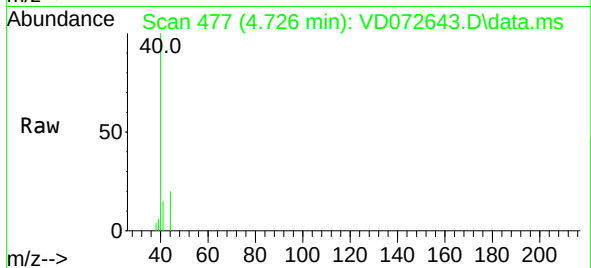
Tgt Ion: 59 Resp: 7515
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



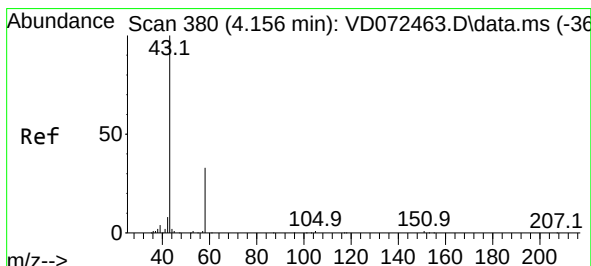
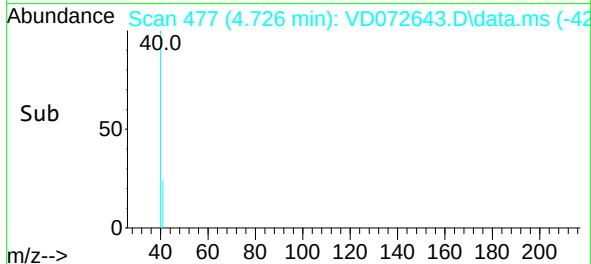
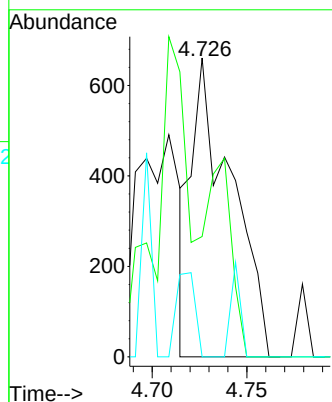


#14
 Allyl chloride
 Concen: 1.247 ug/l
 RT: 4.726 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VD072643.D
 Acq: 20 Apr 2022 13:18

Instrument :
 MSVOA_D
 ClientSampleId :
 124030

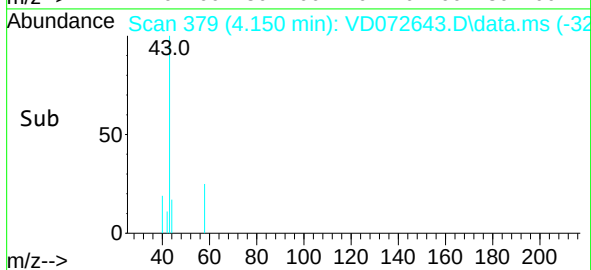
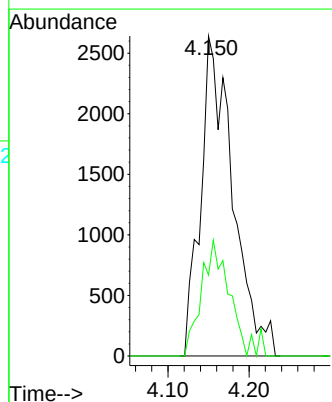
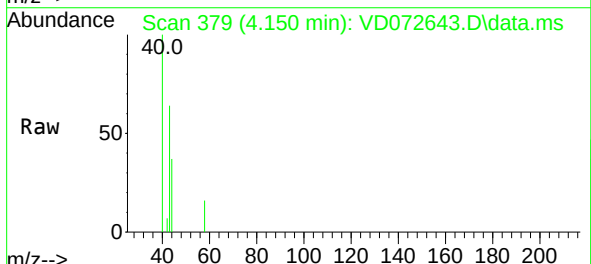


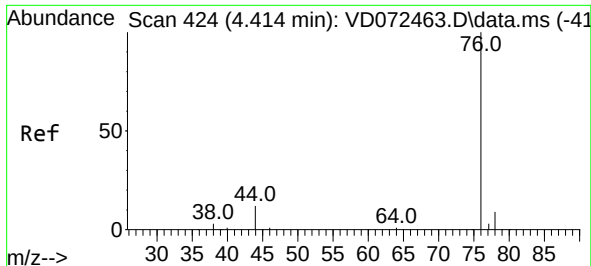
Tgt Ion: 41 Resp: 964
 Ion Ratio Lower Upper
 41 100
 39 0.0 59.3 88.9#
 76 13.5 25.7 38.5#



#16
 Acetone
 Concen: 6.495 ug/l
 RT: 4.150 min Scan# 379
 Delta R.T. -0.006 min
 Lab File: VD072643.D
 Acq: 20 Apr 2022 13:18

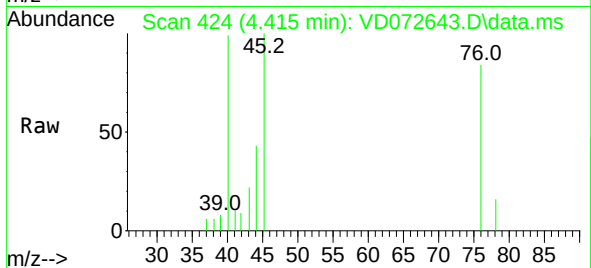
Tgt Ion: 43 Resp: 7258
 Ion Ratio Lower Upper
 43 100
 58 25.3 22.1 33.1



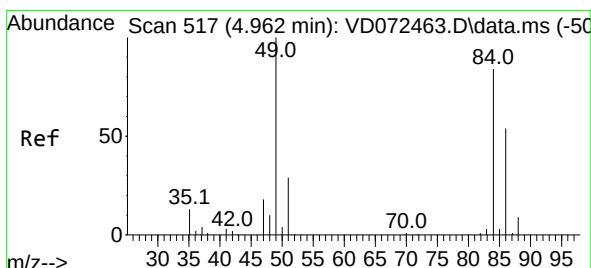
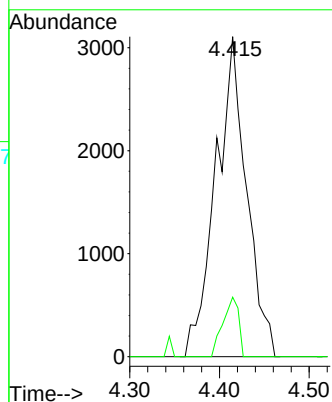
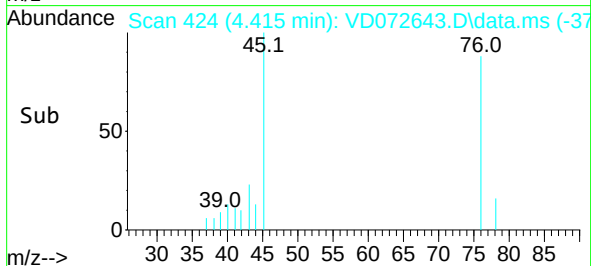


#17
Carbon Disulfide
Concen: 4.340 ug/l
RT: 4.415 min Scan# 41
Delta R.T. 0.001 min
Lab File: VD072643.D
Acq: 20 Apr 2022 13:18

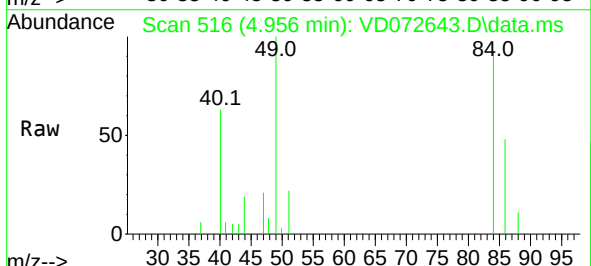
Instrument :
MSVOA_D
ClientSampleId :
124030



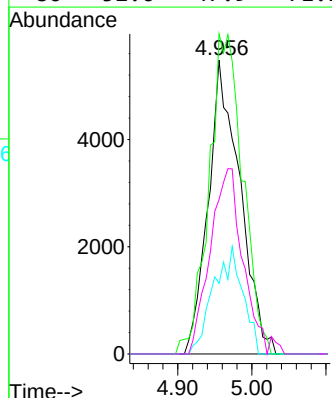
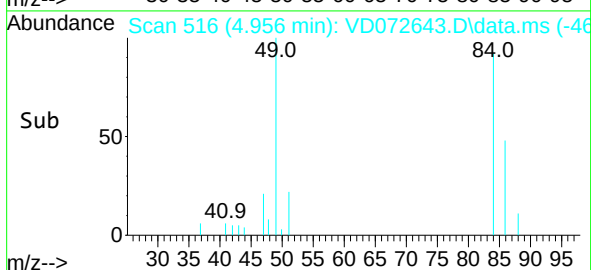
Tgt Ion: 76 Resp: 7418
Ion Ratio Lower Upper
76 100
78 18.6 7.5 11.3#

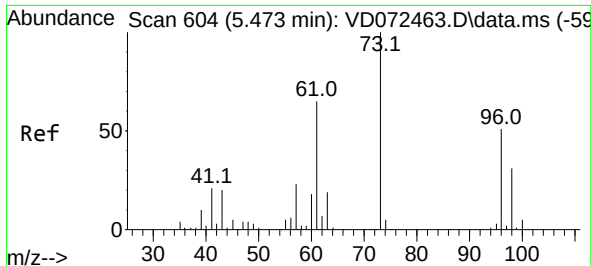


#20
Methylene Chloride
Concen: 2.443 ug/l
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD072643.D
Acq: 20 Apr 2022 13:18



Tgt Ion: 84 Resp: 16251
Ion Ratio Lower Upper
84 100
49 108.9 112.8 169.2#
51 24.0 32.6 48.8#
86 52.6 47.9 71.9

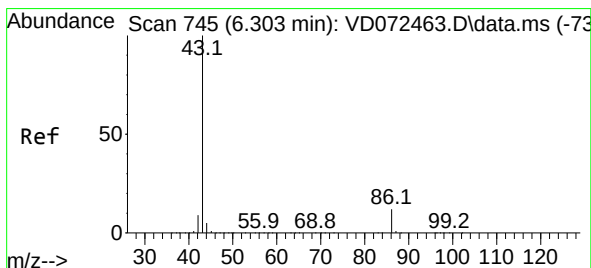
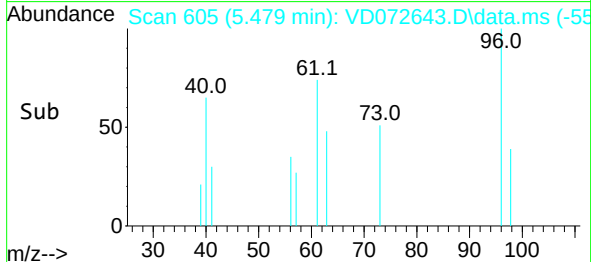
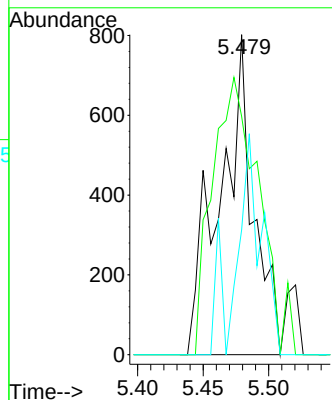
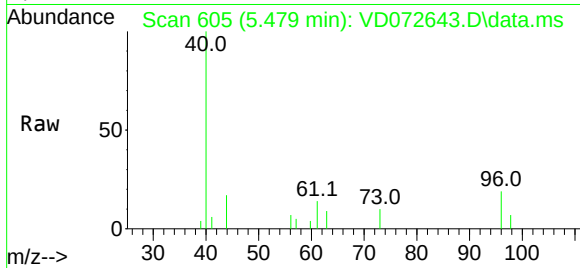




#21
trans-1,2-Dichloroethene
Concen: 1.012 ug/l
RT: 5.479 min Scan# 604
Delta R.T. 0.006 min
Lab File: VD072643.D
Acq: 20 Apr 2022 13:18

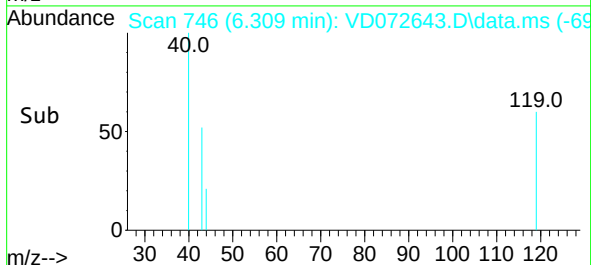
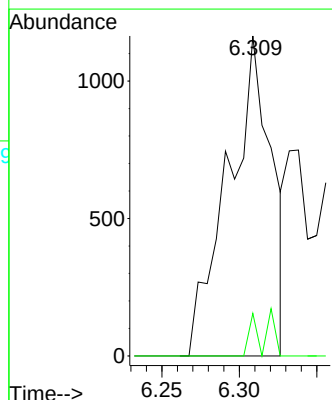
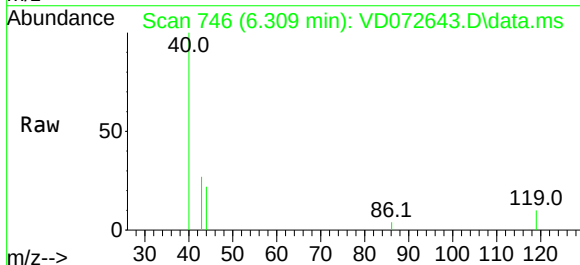
Instrument :
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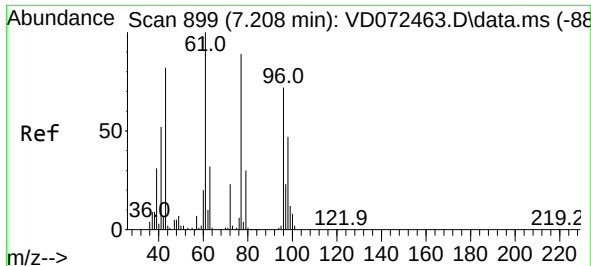
Tgt Ion: 96 Resp: 1423
Ion Ratio Lower Upper
96 100
61 74.4 117.9 176.9#
98 39.0 49.4 74.2#



#23
Vinyl Acetate
Concen: 6.519 ug/l
RT: 6.309 min Scan# 746
Delta R.T. 0.006 min
Lab File: VD072643.D
Acq: 20 Apr 2022 13:18

Tgt Ion: 43 Resp: 2267
Ion Ratio Lower Upper
43 100
86 13.3 7.1 10.7#

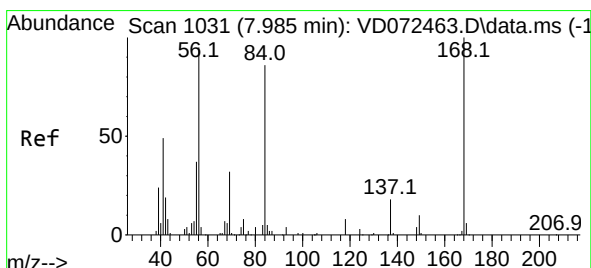
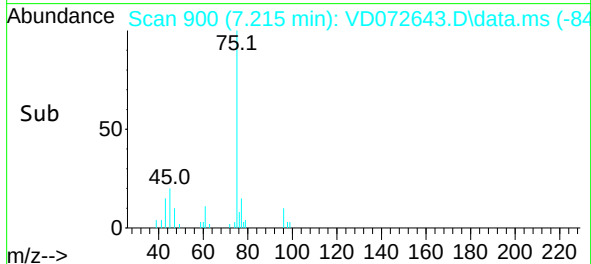
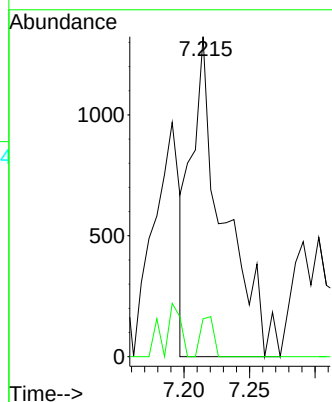
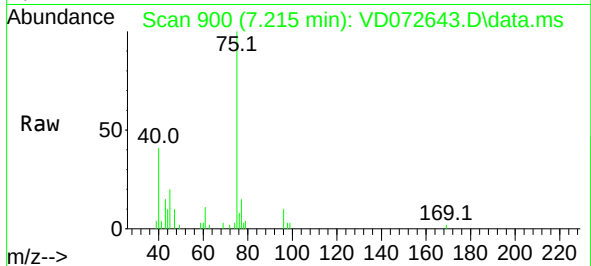




#25
2-Butanone
Concen: 1.482 ug/l
RT: 7.215 min Scan# 90
Delta R.T. 0.006 min
Lab File: VD072643.D
Acq: 20 Apr 2022 13:18

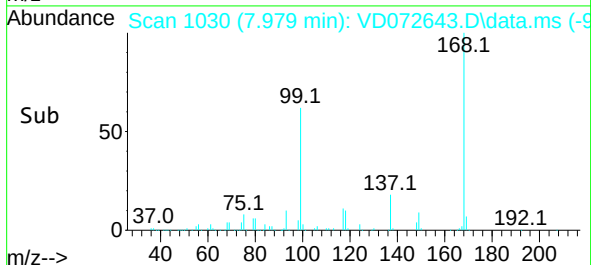
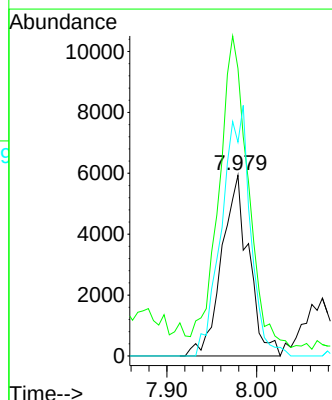
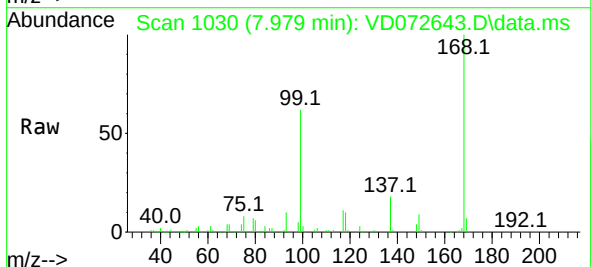
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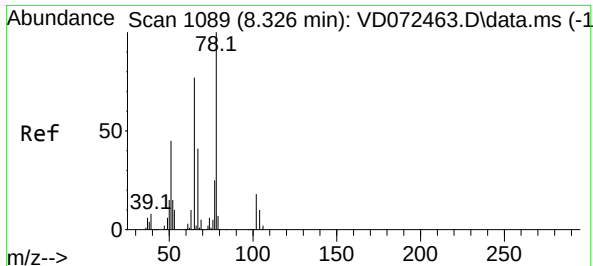
Tgt Ion: 43 Resp: 2291
Ion Ratio Lower Upper
43 100
72 11.9 18.6 27.8#



#31
Cyclohexane
Concen: 1.593 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD072643.D
Acq: 20 Apr 2022 13:18

Tgt Ion: 56 Resp: 12483
Ion Ratio Lower Upper
56 100
69 150.3 25.4 38.2#
84 118.3 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 44.809 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD072643.D

Acq: 20 Apr 2022 13:18

Instrument :

MSVOA_D

ClientSampleId :

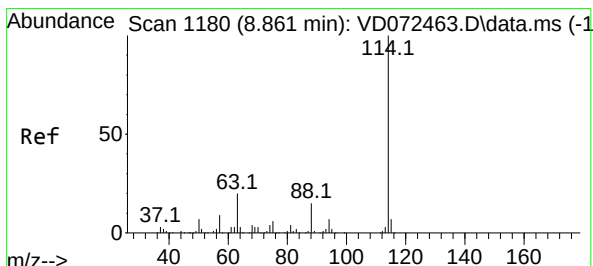
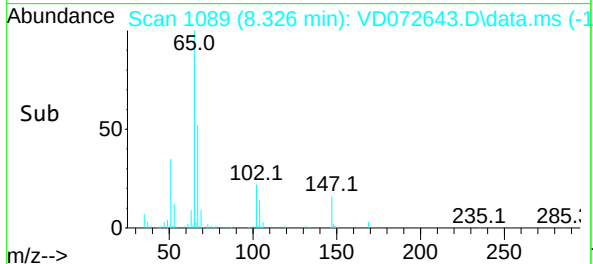
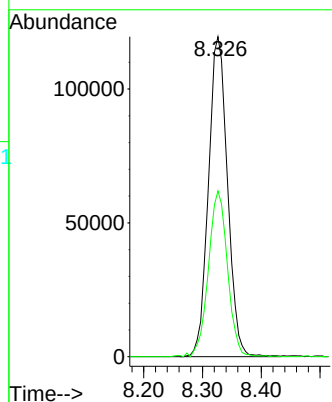
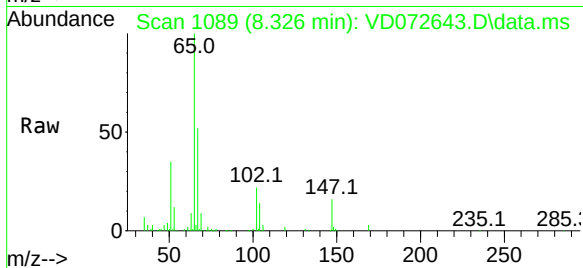
124030

Tgt Ion: 65 Resp: 268532

Ion Ratio Lower Upper

65 100

67 52.1 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: VD072643.D

Acq: 20 Apr 2022 13:18

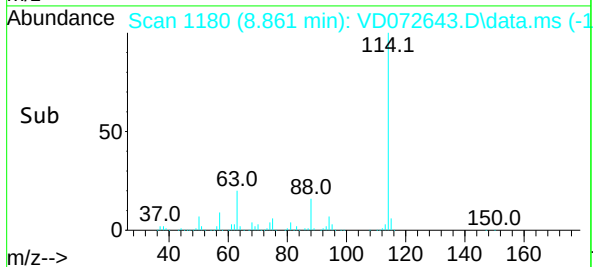
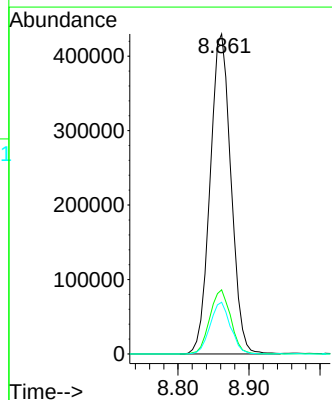
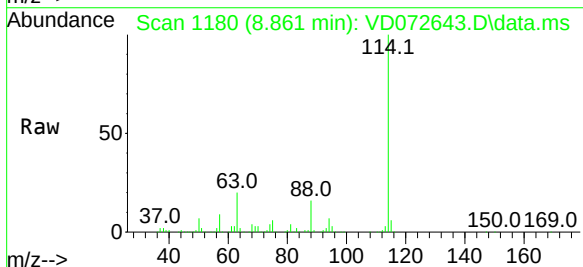
Tgt Ion: 114 Resp: 875354

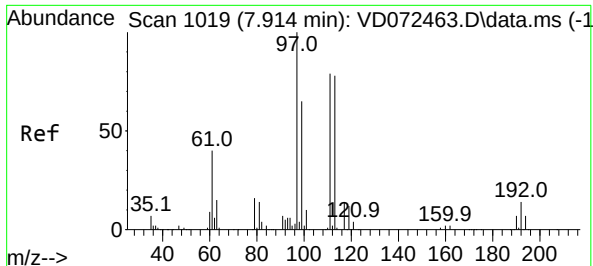
Ion Ratio Lower Upper

114 100

63 20.1 0.0 46.6

88 16.2 0.0 33.2





#35

Dibromofluoromethane

Concen: 41.149 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD072643.D

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124030

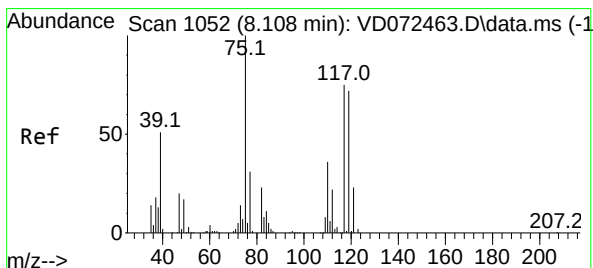
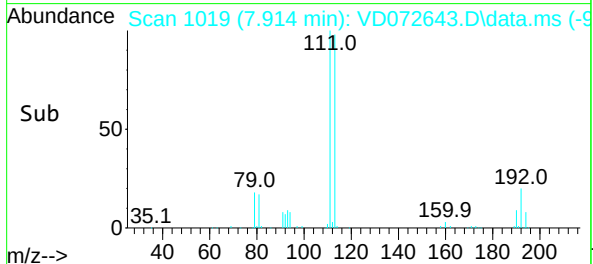
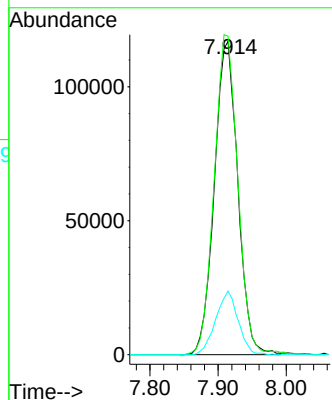
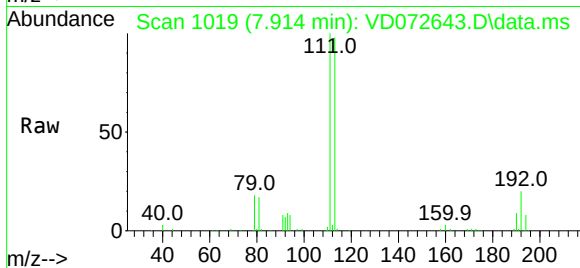
Tgt Ion:113 Resp: 279925

Ion Ratio Lower Upper

113 100

111 103.1 83.8 125.6

192 19.4 14.6 21.8



#36

1,1-Dichloropropene

Concen: 1.424 ug/l

RT: 8.103 min Scan# 1051

Delta R.T. -0.005 min

Lab File: VD072643.D

Acq: 20 Apr 2022 13:18

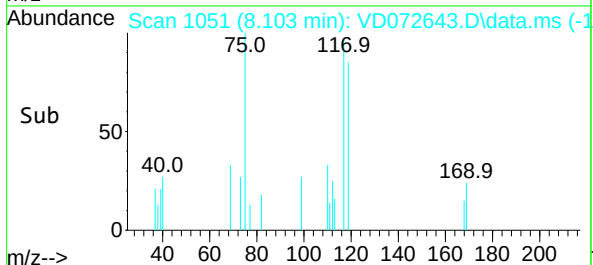
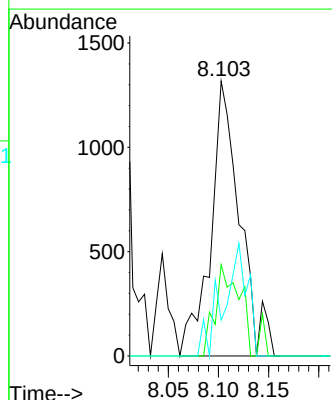
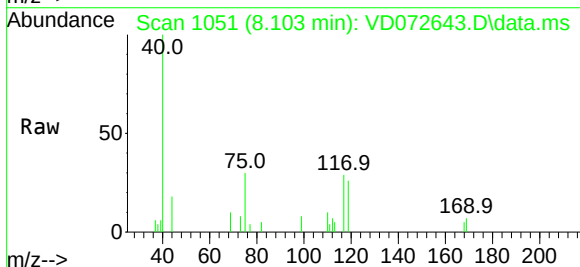
Tgt Ion: 75 Resp: 2666

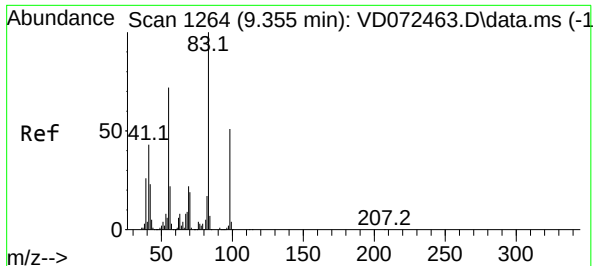
Ion Ratio Lower Upper

75 100

110 27.6 16.4 49.1

77 33.9 24.2 36.2





#39

Methylcyclohexane

Concen: 3.209 ug/l

RT: 9.350 min Scan# 11

Delta R.T. -0.005 min

Lab File: VD072643.D

Acq: 20 Apr 2022 13:18

Instrument :

MSVOA_D

ClientSampleId :

124030

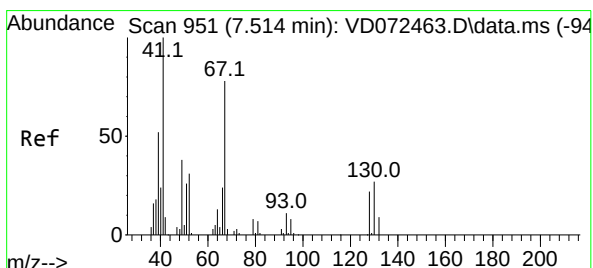
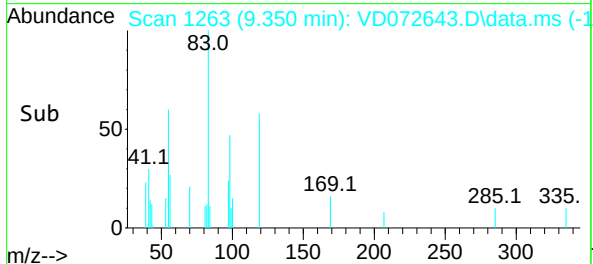
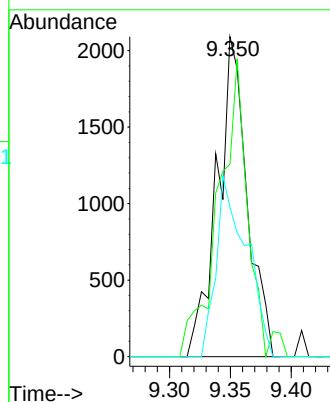
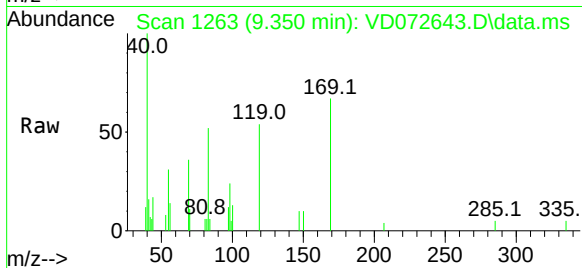
Tgt Ion: 83 Resp: 3575

Ion Ratio Lower Upper

83 100

55 60.2 63.2 94.8#

98 46.7 38.2 57.4



#41

Methacrylonitrile

Concen: 1.690 ug/l

RT: 7.503 min Scan# 949

Delta R.T. -0.011 min

Lab File: VD072643.D

Acq: 20 Apr 2022 13:18

Tgt Ion: 41 Resp: 69

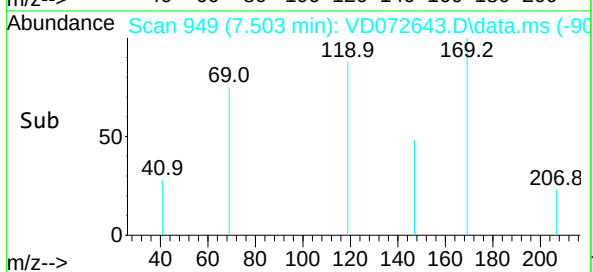
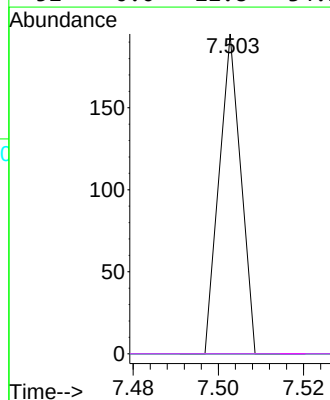
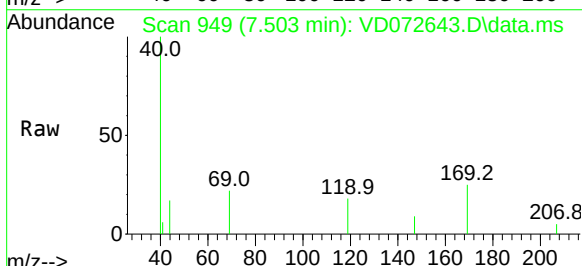
Ion Ratio Lower Upper

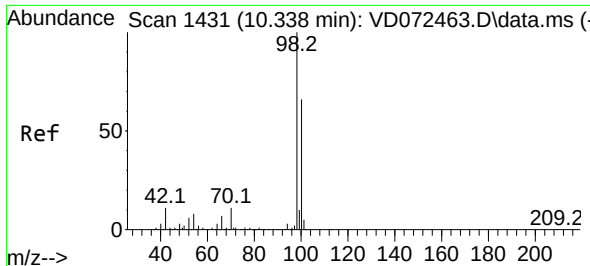
41 100

39 0.0 44.6 67.0#

67 0.0 48.2 72.4#

52 0.0 22.8 34.2#

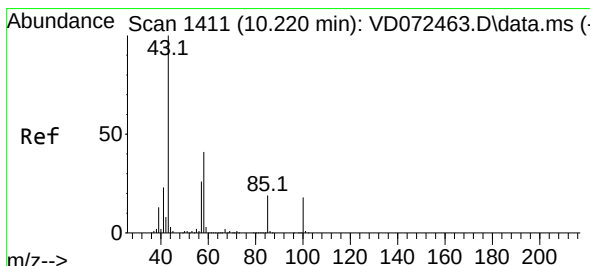
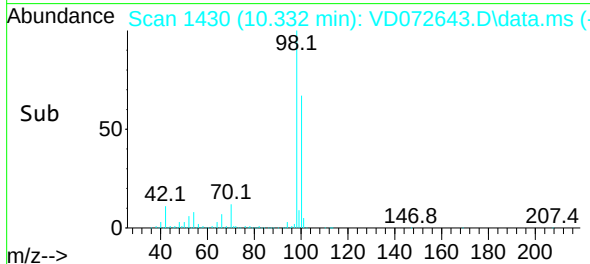
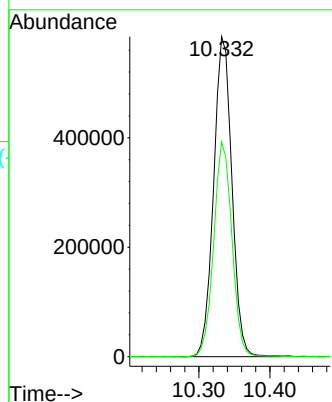
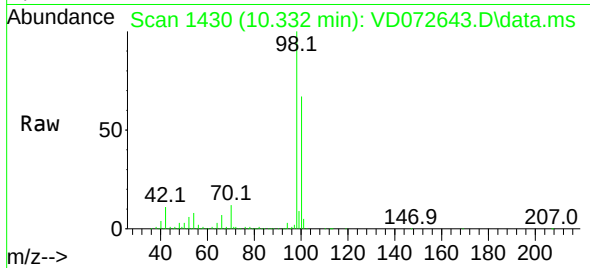




#50
Toluene-d8
Concen: 44.095 ug/l
RT: 10.332 min Scan# 14
Delta R.T. -0.006 min
Lab File: VD072643.D
Acq: 20 Apr 2022 13:18

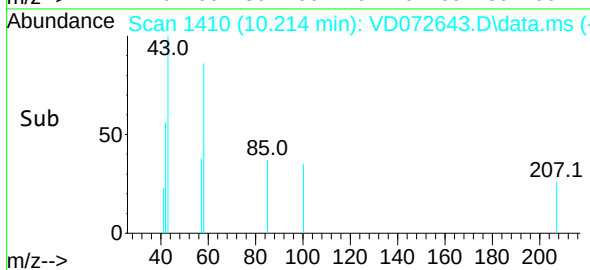
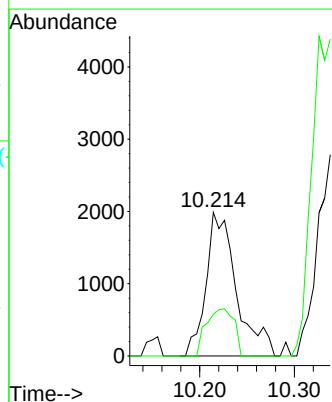
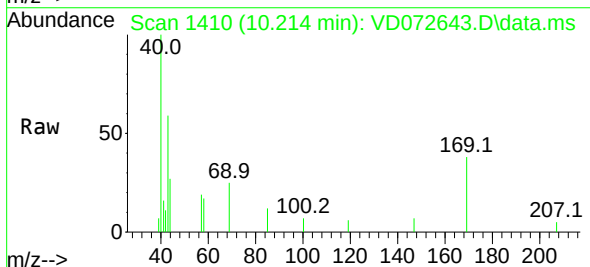
Instrument :
MSVOA_D
ClientSampleId :
124030

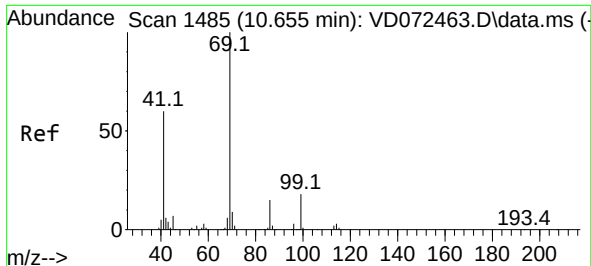
Tgt Ion: 98 Resp: 1042696
Ion Ratio Lower Upper
98 100
100 66.9 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 1.195 ug/l
RT: 10.214 min Scan# 1410
Delta R.T. -0.006 min
Lab File: VD072643.D
Acq: 20 Apr 2022 13:18

Tgt Ion: 43 Resp: 4433
Ion Ratio Lower Upper
43 100
58 30.1 28.6 43.0

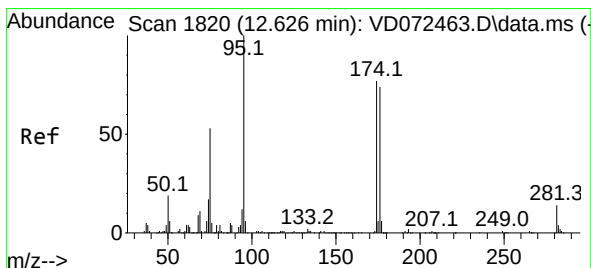
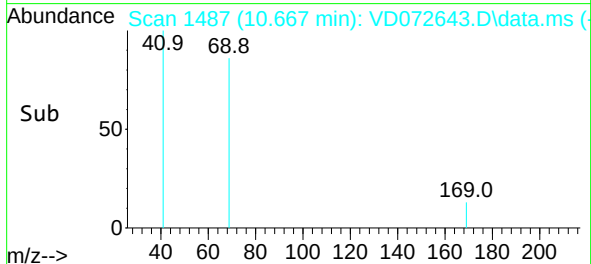
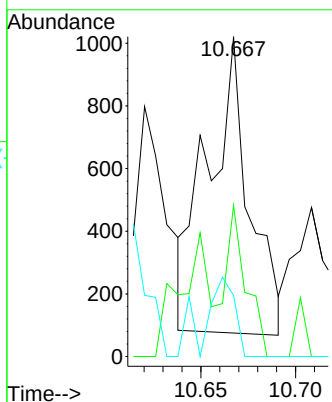
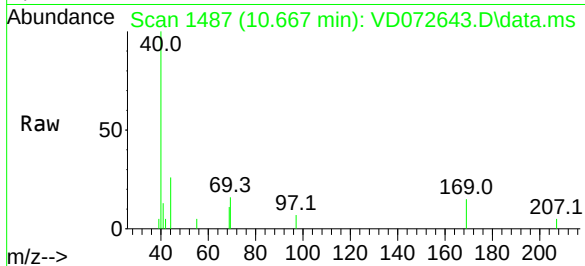




#56
Ethyl methacrylate
Concen: 1.408 ug/l
RT: 10.667 min Scan# 1487
Delta R.T. 0.012 min
Lab File: VD072643.D
Acq: 20 Apr 2022 13:18

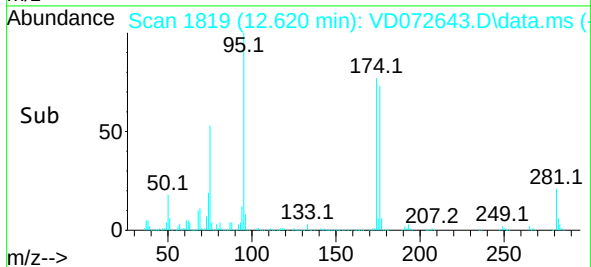
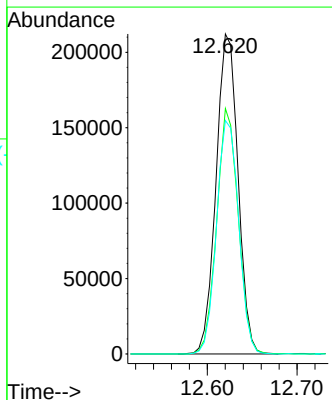
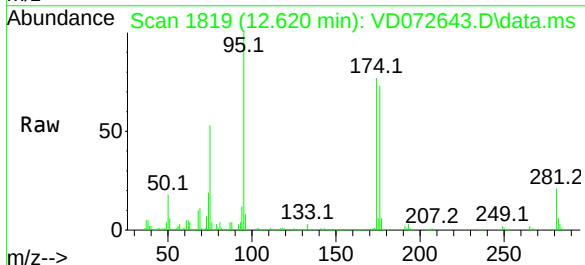
Instrument :
MSVOA_D
ClientSampleId :
124030

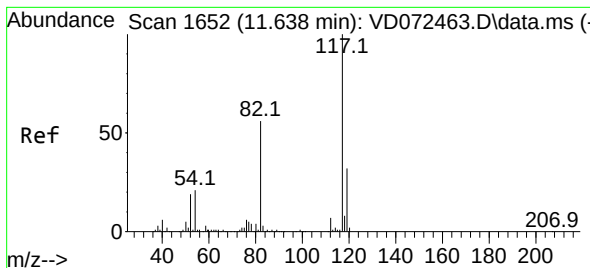
Tgt Ion: 69 Resp: 1437
Ion Ratio Lower Upper
69 100
41 25.8 63.0 94.6#
39 19.8 33.8 50.8#



#62
4-Bromofluorobenzene
Concen: 39.080 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072643.D
Acq: 20 Apr 2022 13:18

Tgt Ion: 95 Resp: 360906
Ion Ratio Lower Upper
95 100
174 75.0 0.0 152.8
176 73.4 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: VD072643.D

Acq: 20 Apr 2022 13:18

Instrument :

MSVOA_D

ClientSampleId :

124030

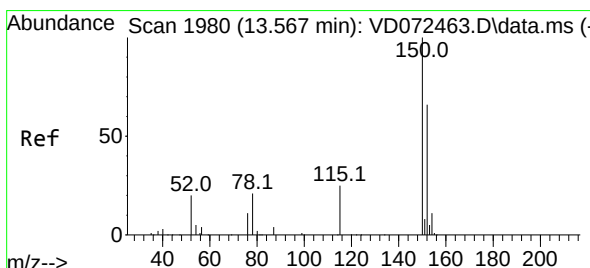
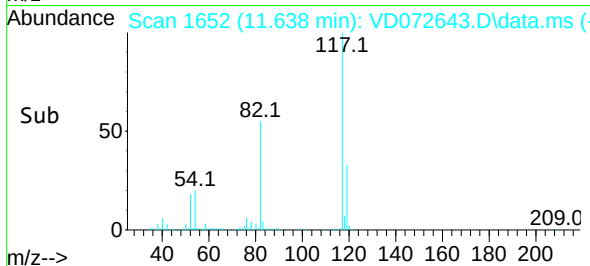
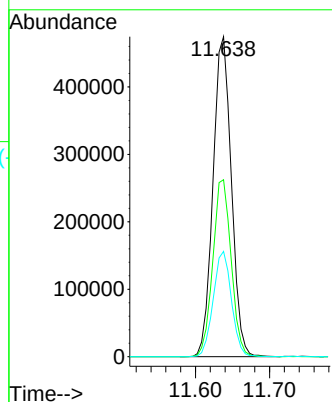
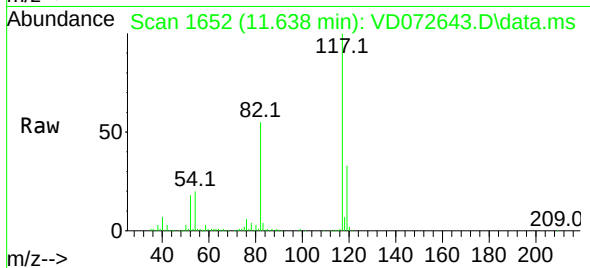
Tgt Ion:117 Resp: 816088

Ion Ratio Lower Upper

117 100

82 55.3 45.3 67.9

119 32.9 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: VD072643.D

Acq: 20 Apr 2022 13:18

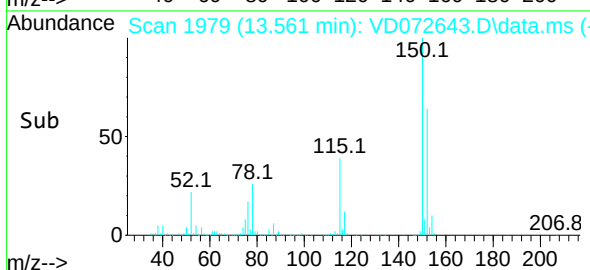
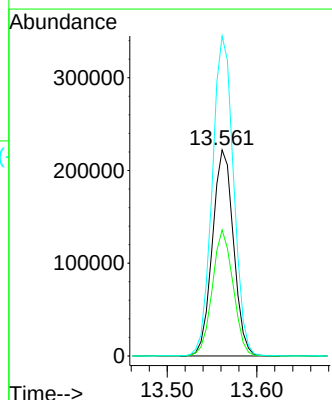
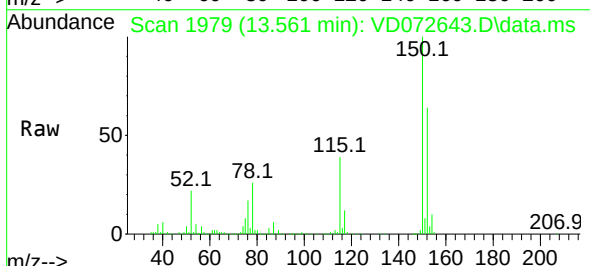
Tgt Ion:152 Resp: 362929

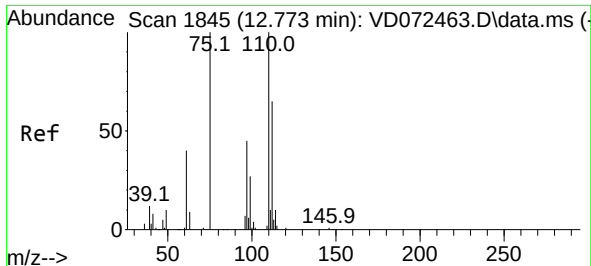
Ion Ratio Lower Upper

152 100

115 60.4 31.3 93.8

150 156.6 0.0 348.6

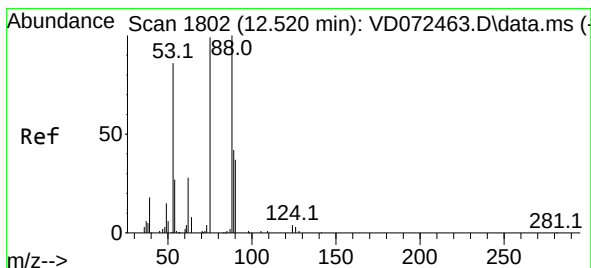
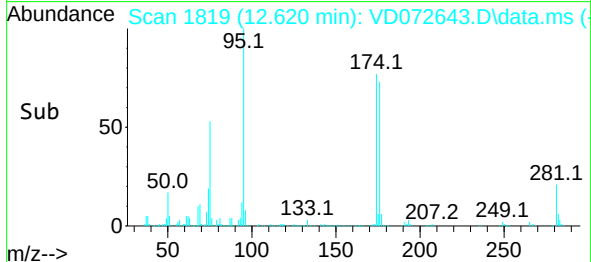
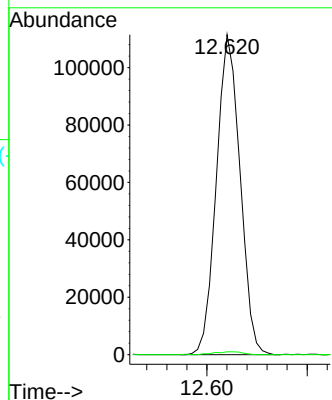
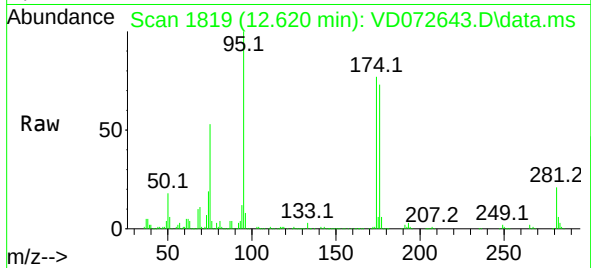




#76
1,2,3-Trichloropropane
Concen: 46.130 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072643.D
Acq: 20 Apr 2022 13:18

Instrument :
MSVOA_D
ClientSampleId :
124030

Tgt Ion: 75 Resp: 182596
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 113.193 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD072643.D
Acq: 20 Apr 2022 13:18

Tgt Ion: 75 Resp: 182596
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.2 33.9 50.9#

