

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD042022\
 Data File : VD072658.D
 Acq On : 20 Apr 2022 20:24
 Operator : VA/SY
 Sample : VIBLK
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK

Quant Time: Apr 21 01:56:34 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)

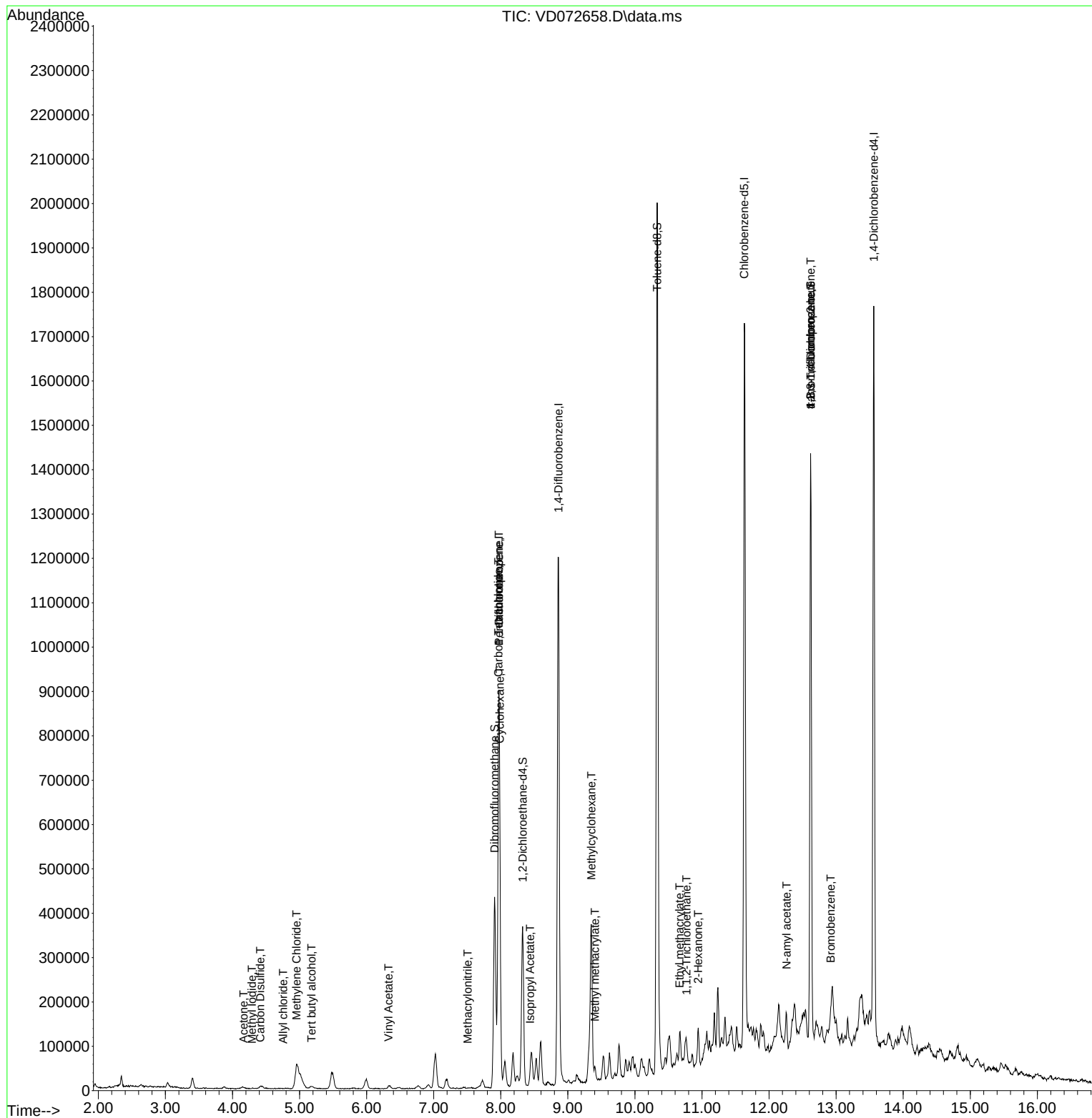
Internal Standards						
1) Pentafluorobenzene	7.973	168	590563	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	1037111	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	978919	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	444900	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	289198	40.481	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	80.960%		
35) Dibromofluoromethane	7.908	113	308131	38.230	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	76.460%		
50) Toluene-d8	10.332	98	1275143	45.514	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	91.020%		
62) 4-Bromofluorobenzene	12.620	95	458395	41.895	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	83.780%		
Target Compounds					Qvalue	
10) Methyl Iodide	4.291	142	972	3.873	ug/l #	78
11) Tert butyl alcohol	5.179	59	2724	7.220	ug/l #	74
14) Allyl chloride	4.756	41	138	1.141	ug/l #	22
16) Acetone	4.167	43	4994	3.749	ug/l #	88
17) Carbon Disulfide	4.414	76	4103	3.957	ug/l #	74
20) Methylene Chloride	4.956	84	39176	4.940	ug/l #	80
23) Vinyl Acetate	6.326	43	198	6.306	ug/l #	75
31) Cyclohexane	7.985	56	63020	6.746	ug/l #	82
36) 1,1-Dichloropropene	7.973	75	48378	5.715	ug/l #	56
38) Carbon Tetrachloride	7.967	117	63575	5.726	ug/l #	17
39) Methylcyclohexane	9.349	83	151232	14.759	ug/l	98
41) Methacrylonitrile	7.508	41	148	1.715	ug/l #	27
43) Isopropyl Acetate	8.438	43	10985	1.341	ug/l #	54
48) Methyl methacrylate	9.402	41	6341	1.594	ug/l #	46
55) 1,1,2-Trichloroethane	10.767	97	17541	2.816	ug/l #	18
56) Ethyl methacrylate	10.667	69	9374	2.386	ug/l #	66
59) 2-Hexanone	10.943	43	29715	9.941	ug/l #	33
74) N-amyl acetate	12.261	43	18488	2.452	ug/l #	68
76) 1,2,3-Trichloropropane	12.620	75	227917	46.970	ug/l #	100
77) Bromobenzene	12.920	156	28760	3.571	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	227917	115.256	ug/l #	7

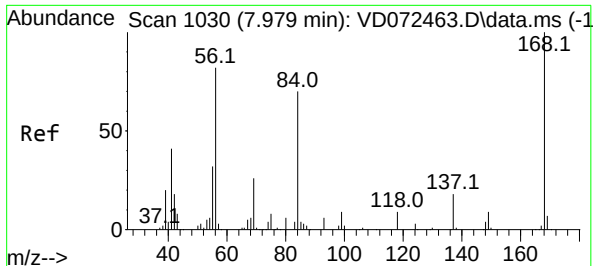
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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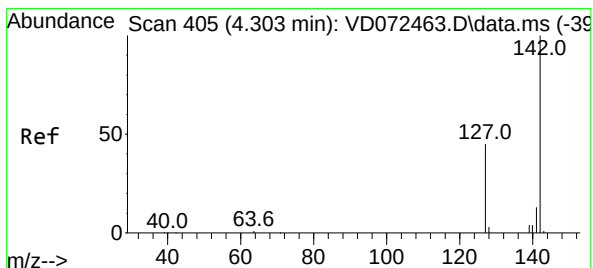
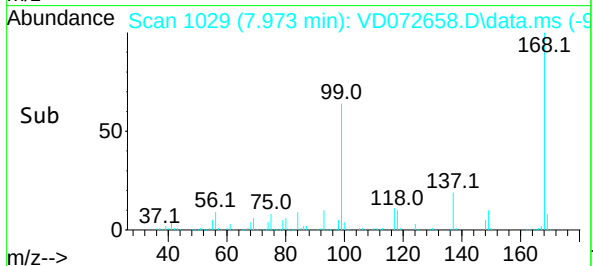
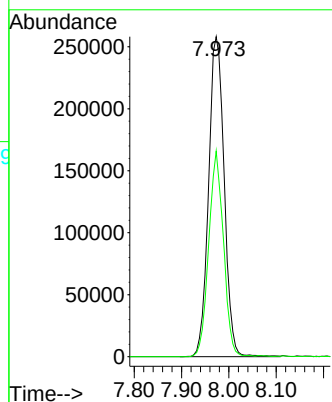
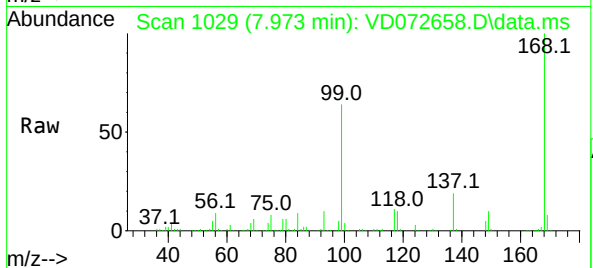




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD072658.D
Acq: 20 Apr 2022 20:24

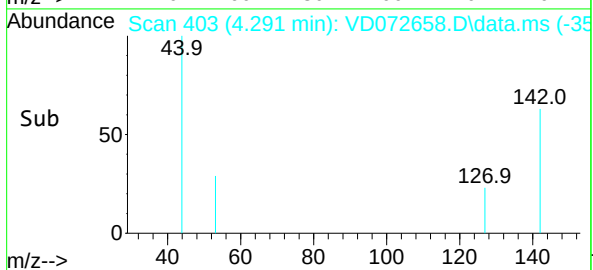
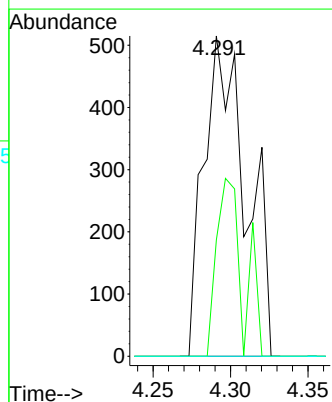
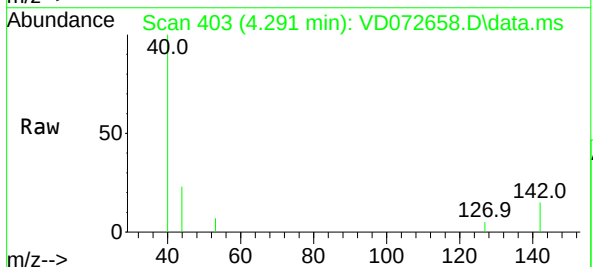
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

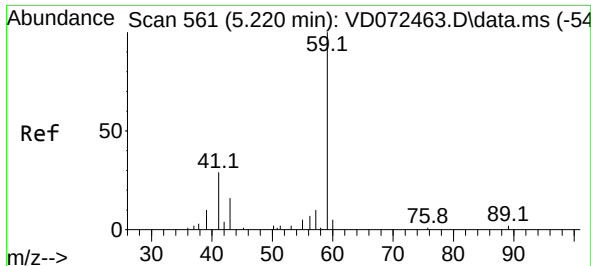
Tgt Ion:168 Resp: 590563
Ion Ratio Lower Upper
168 100
99 64.3 49.8 74.6



#10
Methyl Iodide
Concen: 3.873 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.012 min
Lab File: VD072658.D
Acq: 20 Apr 2022 20:24

Tgt Ion:142 Resp: 972
Ion Ratio Lower Upper
142 100
127 34.8 37.3 55.9#
141 0.0 11.7 17.5#





#11

Tert butyl alcohol

Concen: 7.220 ug/l

RT: 5.179 min Scan# 51

Delta R.T. -0.041 min

Lab File: VD072658.D

Acq: 20 Apr 2022 20:24

Instrument :

MSVOA_D

ClientSampleId :

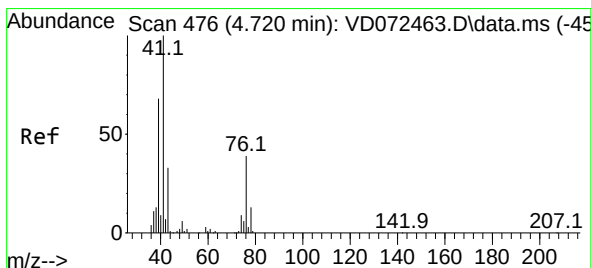
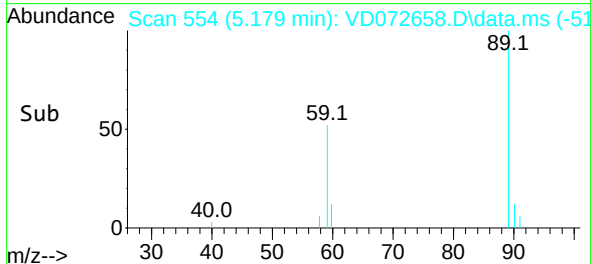
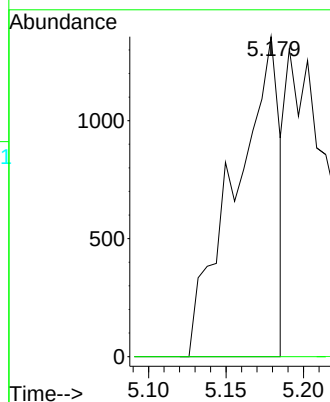
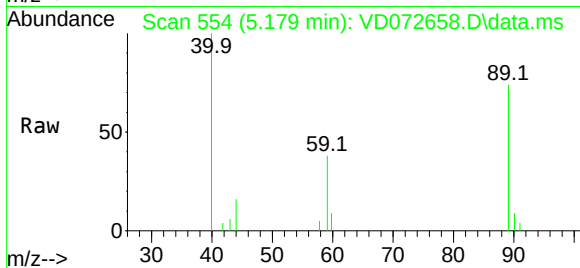
VIBLK

Tgt Ion: 59 Resp: 2724

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#14

Allyl chloride

Concen: 1.141 ug/l

RT: 4.756 min Scan# 482

Delta R.T. 0.036 min

Lab File: VD072658.D

Acq: 20 Apr 2022 20:24

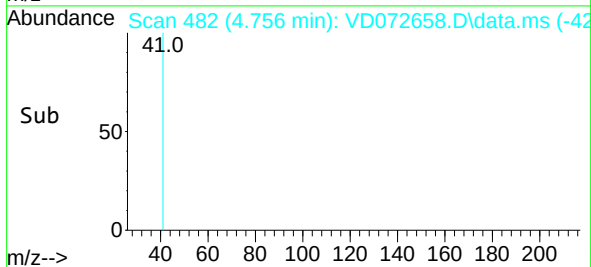
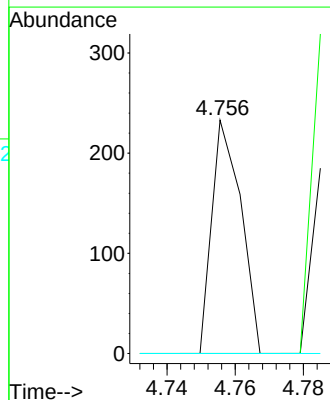
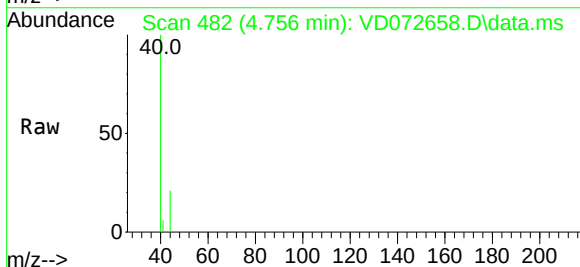
Tgt Ion: 41 Resp: 138

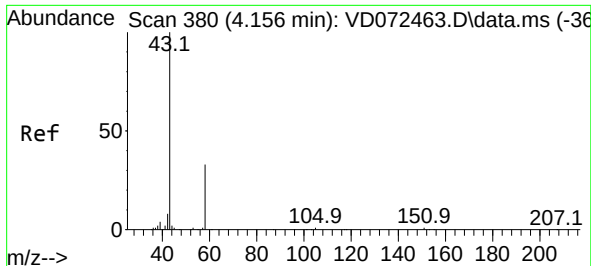
Ion Ratio Lower Upper

41 100

39 0.0 59.3 88.9#

76 0.0 25.7 38.5#

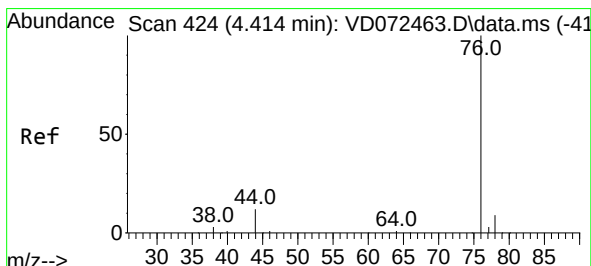
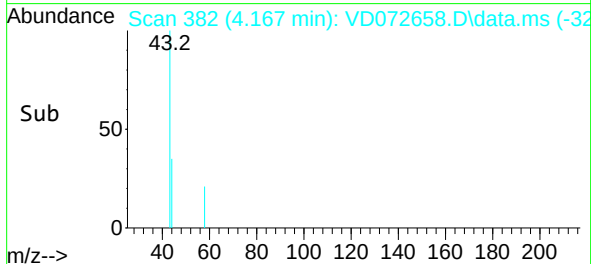
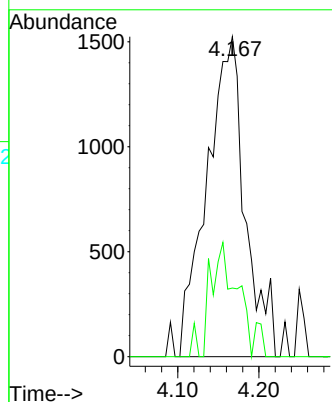
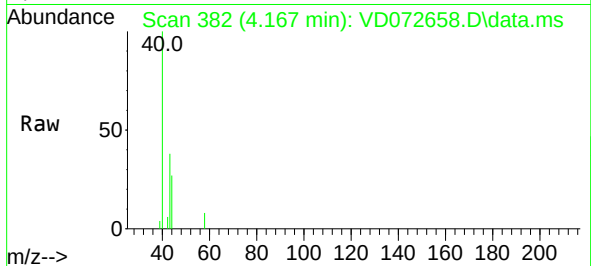




#16
Acetone
Concen: 3.749 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.012 min
Lab File: VD072658.D
Acq: 20 Apr 2022 20:24

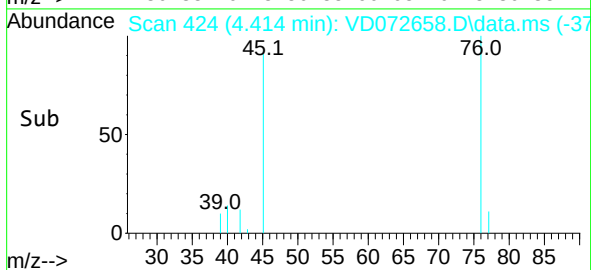
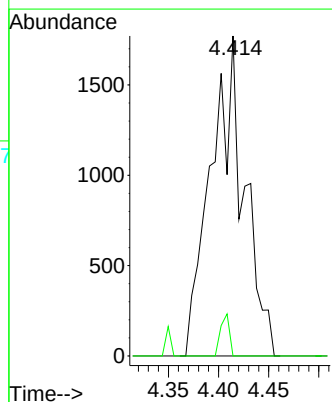
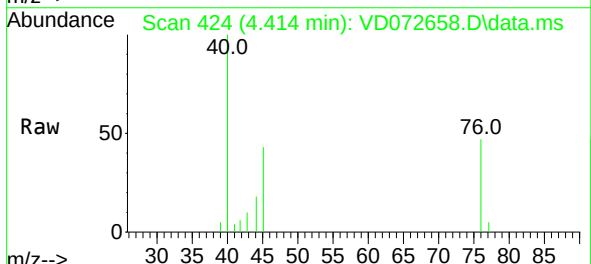
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

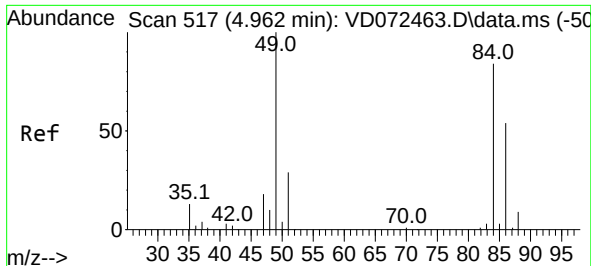
Tgt Ion: 43 Resp: 4994
Ion Ratio Lower Upper
43 100
58 21.5 22.1 33.1#



#17
Carbon Disulfide
Concen: 3.957 ug/l
RT: 4.414 min Scan# 424
Delta R.T. 0.000 min
Lab File: VD072658.D
Acq: 20 Apr 2022 20:24

Tgt Ion: 76 Resp: 4103
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#





#20

Methylene Chloride

Concen: 4.940 ug/l

RT: 4.956 min Scan# 51

Delta R.T. -0.006 min

Lab File: VD072658.D

Acq: 20 Apr 2022 20:24

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

Tgt Ion: 84 Resp: 39176

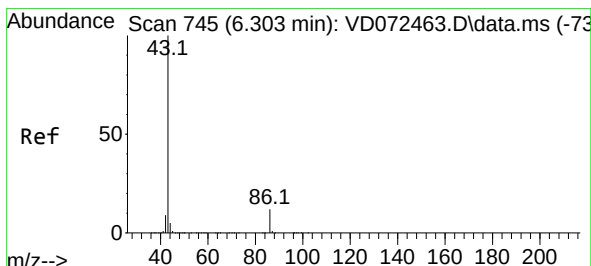
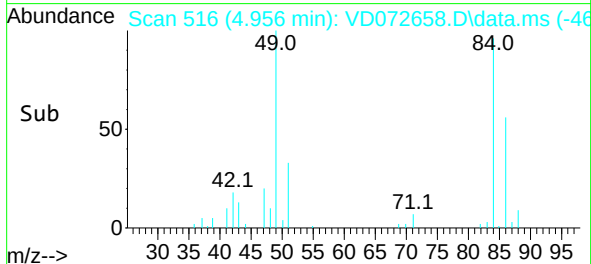
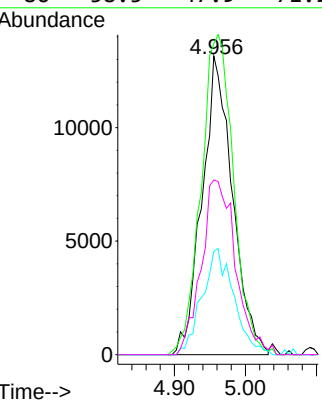
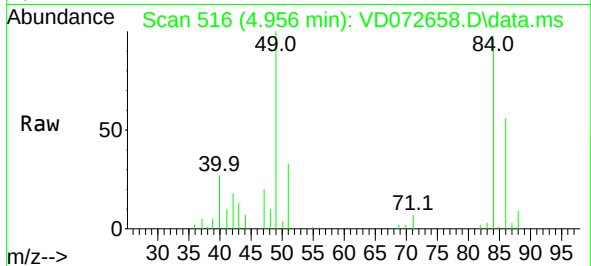
Ion Ratio Lower Upper

84 100

49 104.0 112.8 169.2#

51 34.5 32.6 48.8

86 58.5 47.9 71.9



#23

Vinyl Acetate

Concen: 6.306 ug/l

RT: 6.326 min Scan# 749

Delta R.T. 0.023 min

Lab File: VD072658.D

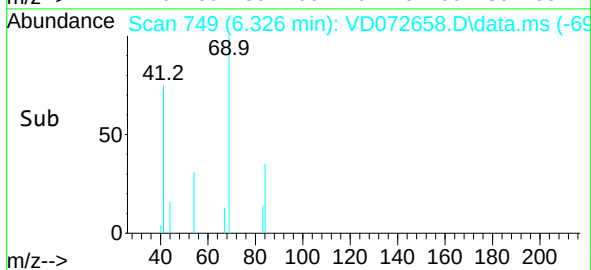
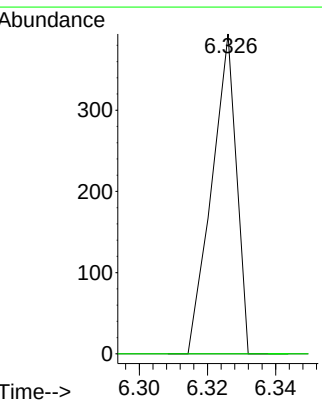
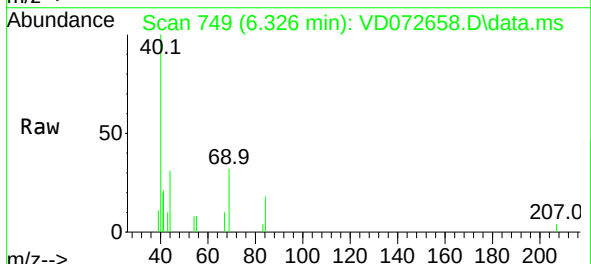
Acq: 20 Apr 2022 20:24

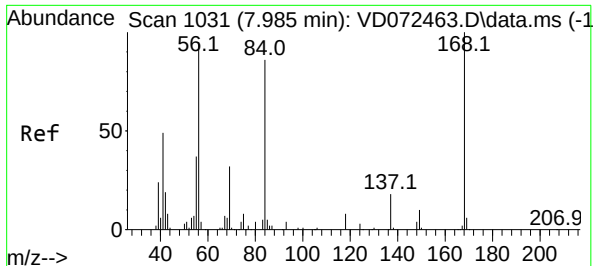
Tgt Ion: 43 Resp: 198

Ion Ratio Lower Upper

43 100

86 0.0 7.1 10.7#





#31

Cyclohexane

Concen: 6.746 ug/l

RT: 7.985 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VD072658.D

Acq: 20 Apr 2022 20:24

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

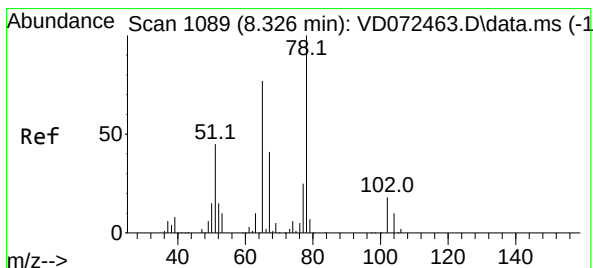
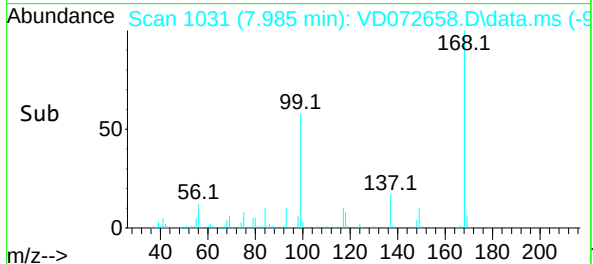
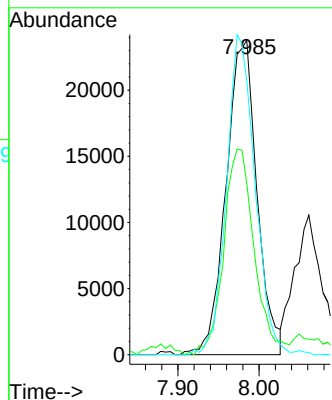
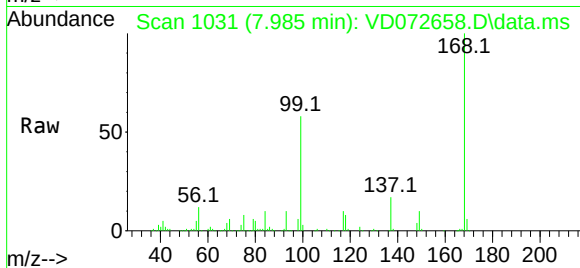
Tgt Ion: 56 Resp: 63020

Ion Ratio Lower Upper

56 100

69 53.4 25.4 38.2#

84 87.2 63.0 94.4



#33

1,2-Dichloroethane-d4

Concen: 40.481 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD072658.D

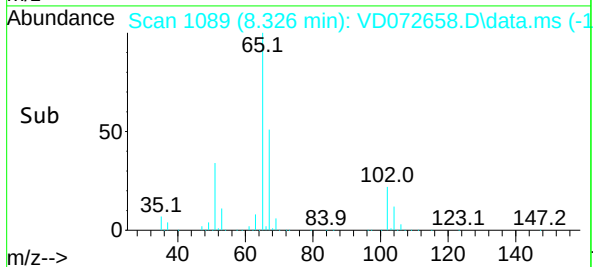
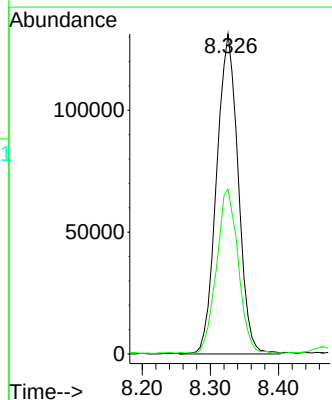
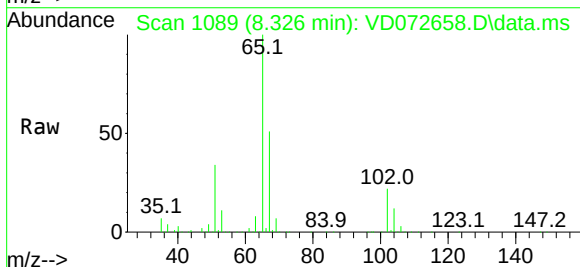
Acq: 20 Apr 2022 20:24

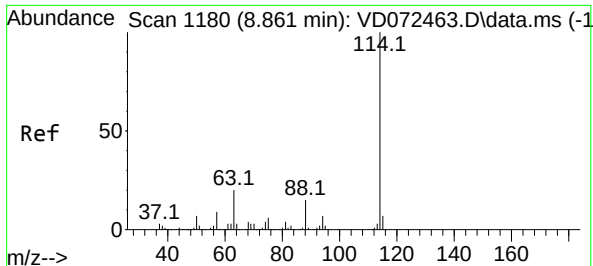
Tgt Ion: 65 Resp: 289198

Ion Ratio Lower Upper

65 100

67 51.3 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: VD072658.D

Acq: 20 Apr 2022 20:24

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

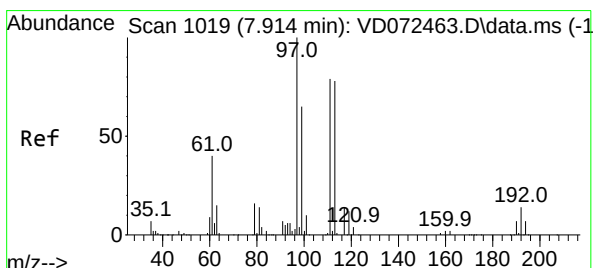
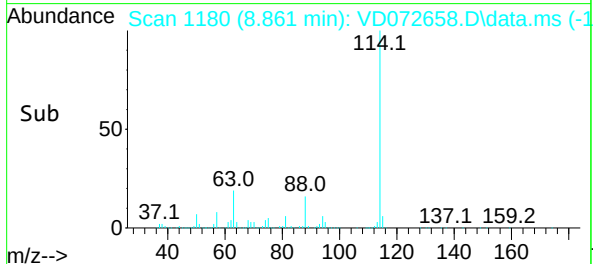
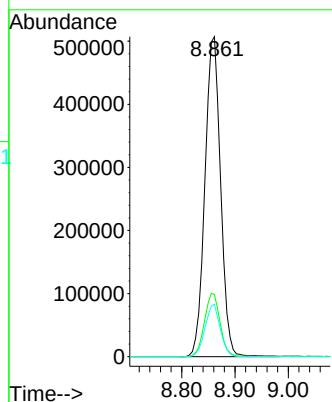
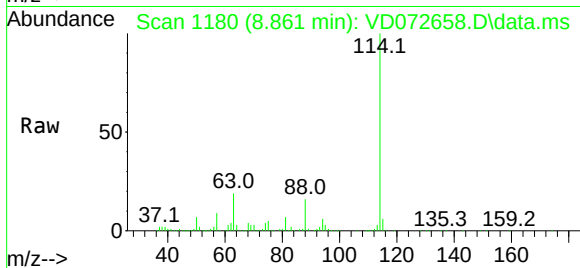
Tgt Ion:114 Resp: 1037111

Ion Ratio Lower Upper

114 100

63 19.4 0.0 46.6

88 16.4 0.0 33.2



#35

Dibromofluoromethane

Concen: 38.230 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD072658.D

Acq: 20 Apr 2022 20:24

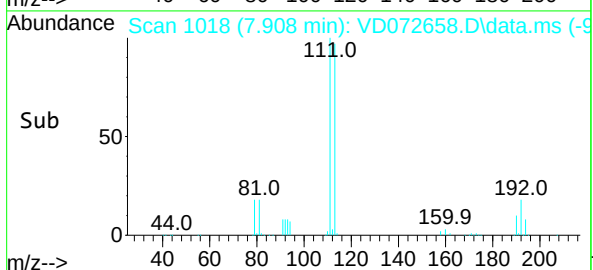
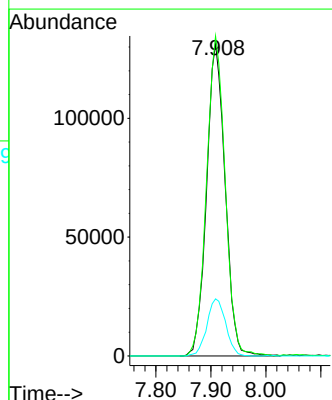
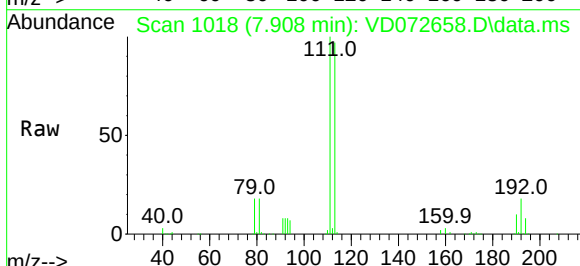
Tgt Ion:113 Resp: 308131

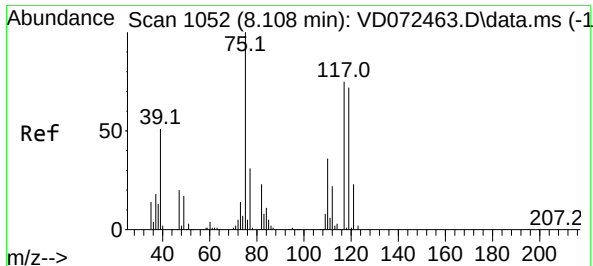
Ion Ratio Lower Upper

113 100

111 102.8 83.8 125.6

192 18.6 14.6 21.8





#36

1,1-Dichloropropene

Concen: 5.715 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD072658.D

Acq: 20 Apr 2022 20:24

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

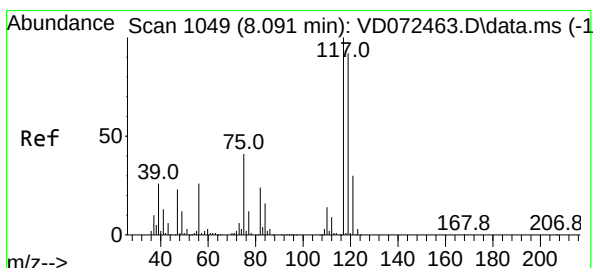
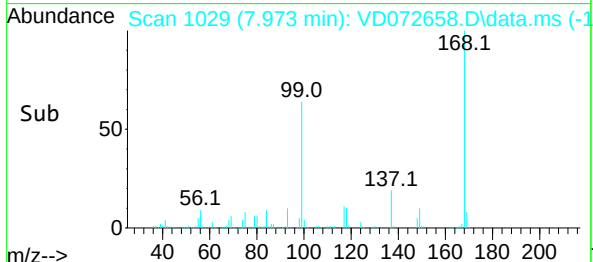
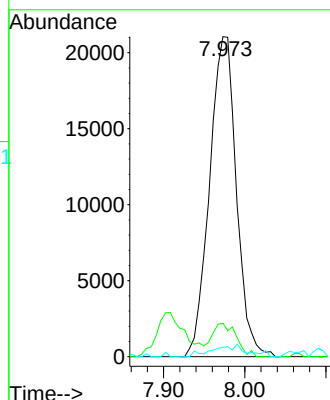
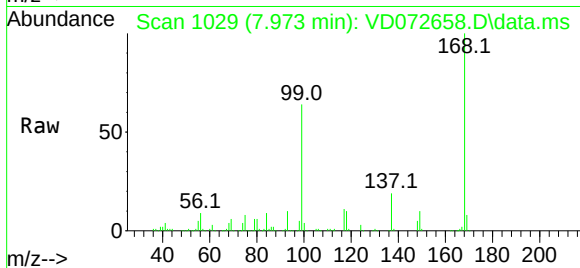
Tgt Ion: 75 Resp: 48378

Ion Ratio Lower Upper

75 100

110 9.4 16.4 49.1#

77 4.2 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.726 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.124 min

Lab File: VD072658.D

Acq: 20 Apr 2022 20:24

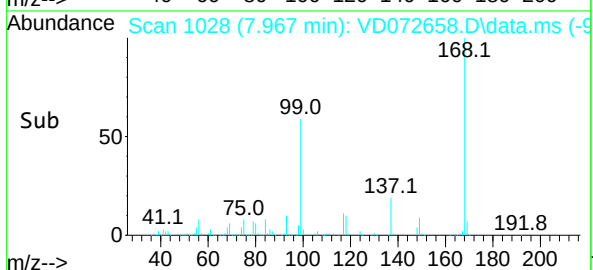
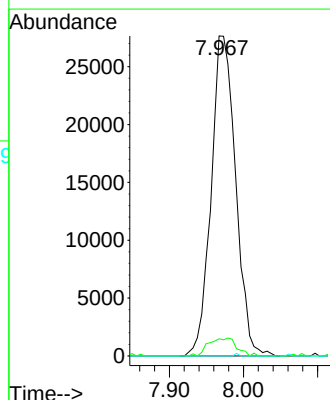
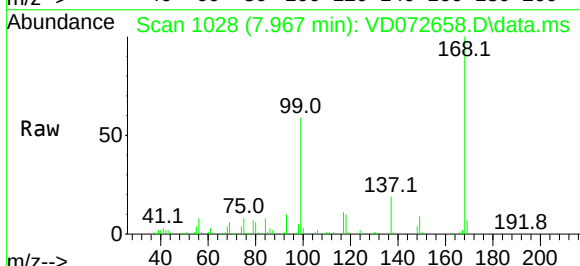
Tgt Ion: 117 Resp: 63575

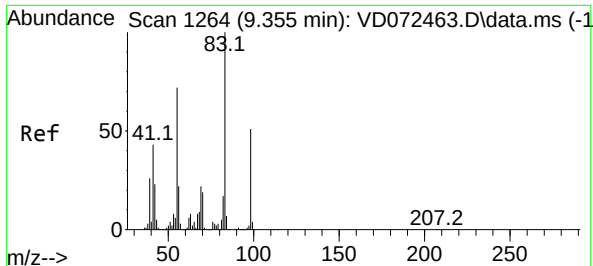
Ion Ratio Lower Upper

117 100

119 5.3 75.8 113.6#

121 0.0 24.5 36.7#





#39

Methylcyclohexane

Concen: 14.759 ug/l

RT: 9.349 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD072658.D

Acq: 20 Apr 2022 20:24

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

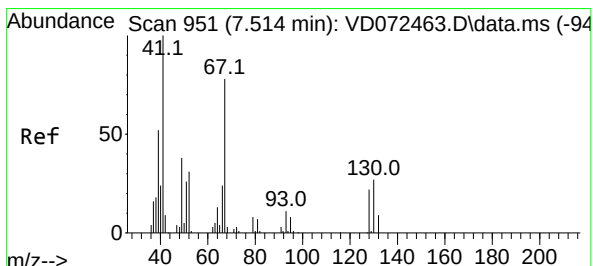
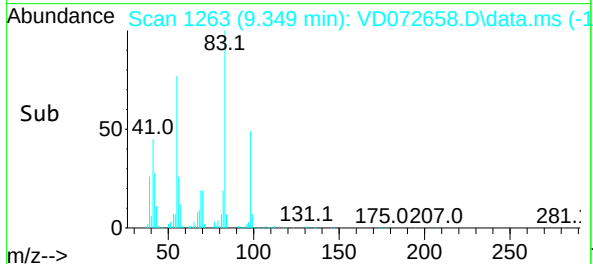
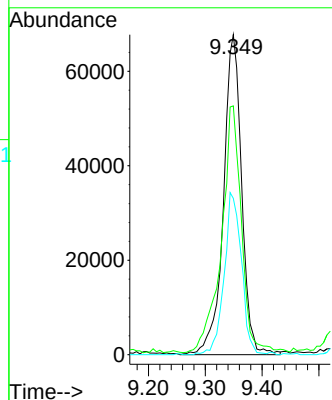
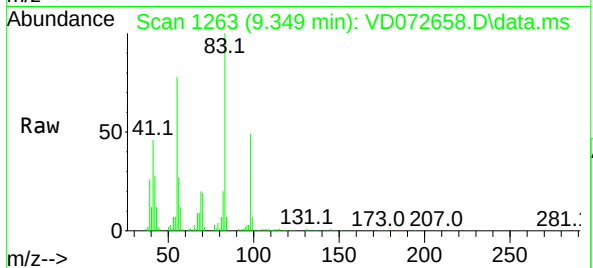
Tgt Ion: 83 Resp: 151232

Ion Ratio Lower Upper

83 100

55 77.0 63.2 94.8

98 48.8 38.2 57.4



#41

Methacrylonitrile

Concen: 1.715 ug/l

RT: 7.508 min Scan# 950

Delta R.T. -0.006 min

Lab File: VD072658.D

Acq: 20 Apr 2022 20:24

Tgt Ion: 41 Resp: 148

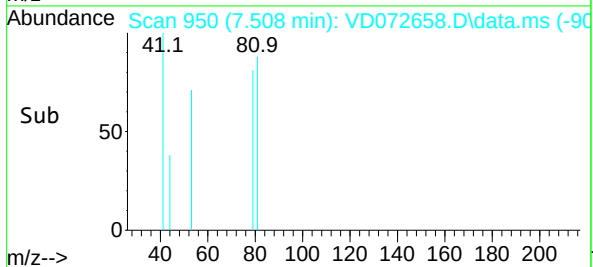
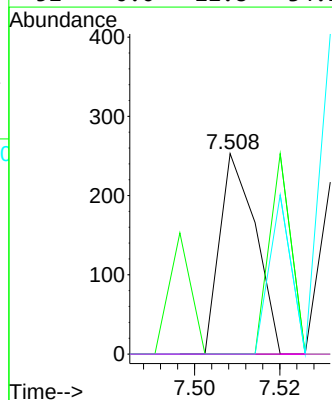
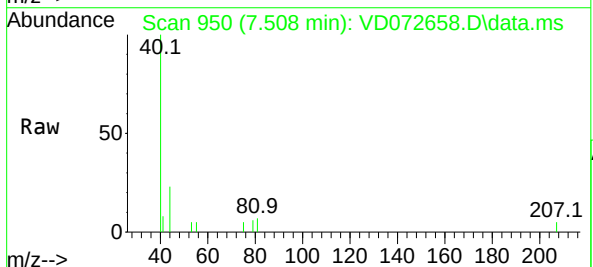
Ion Ratio Lower Upper

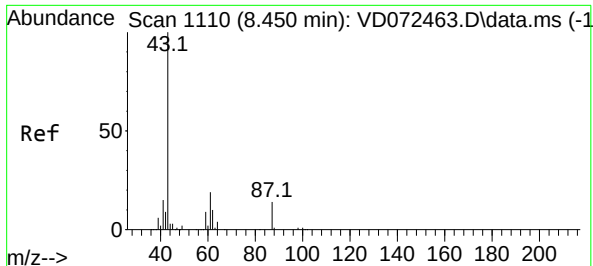
41 100

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: 1.341 ug/l

RT: 8.438 min Scan# 1110

Delta R.T. -0.012 min

Lab File: VD072658.D

Acq: 20 Apr 2022 20:24

Instrument :

MSVOA_D

ClientSampleId :

VIBLK

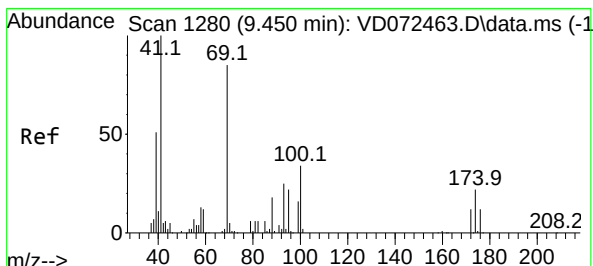
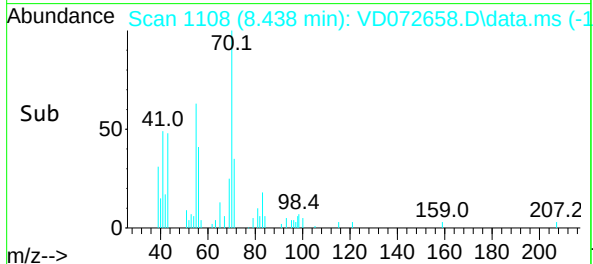
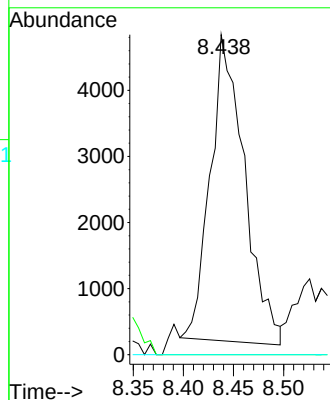
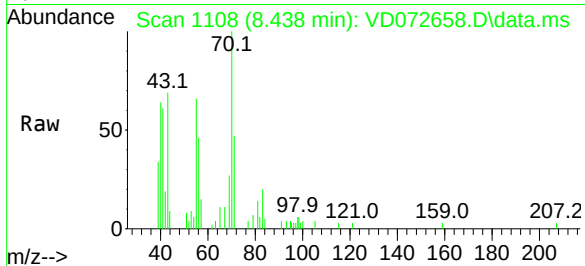
Tgt Ion: 43 Resp: 10985

Ion Ratio Lower Upper

43 100

61 0.0 22.4 33.6#

87 0.0 8.7 13.1#



#48

Methyl methacrylate

Concen: 1.594 ug/l

RT: 9.402 min Scan# 1272

Delta R.T. -0.047 min

Lab File: VD072658.D

Acq: 20 Apr 2022 20:24

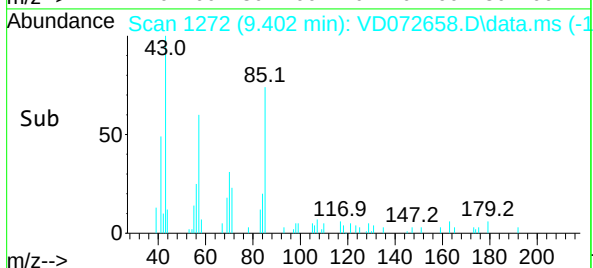
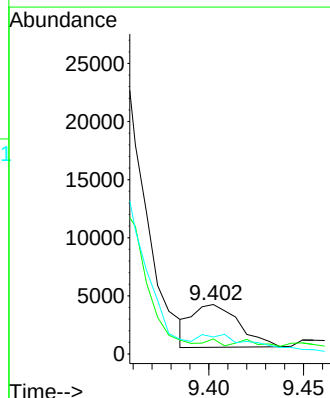
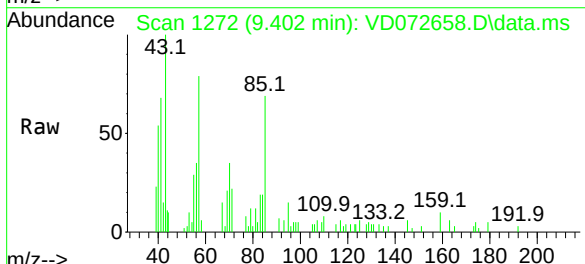
Tgt Ion: 41 Resp: 6341

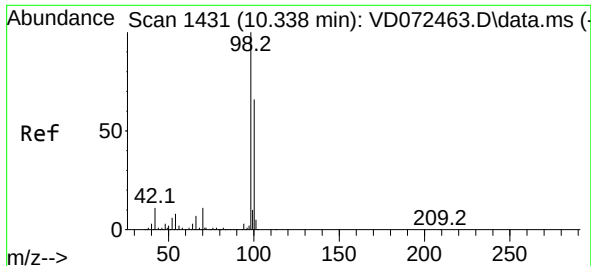
Ion Ratio Lower Upper

41 100

69 0.0 56.7 85.1#

39 44.5 42.7 64.1

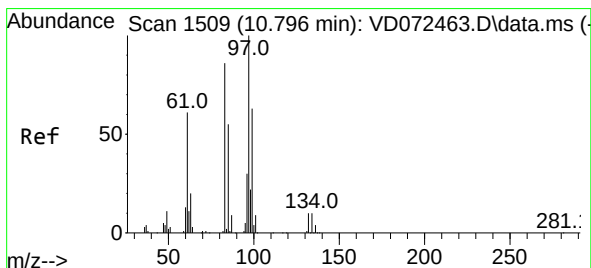
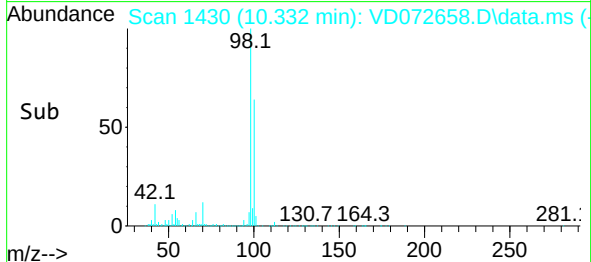
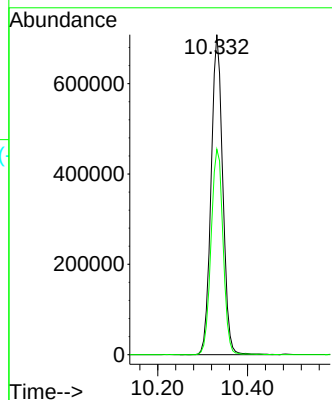
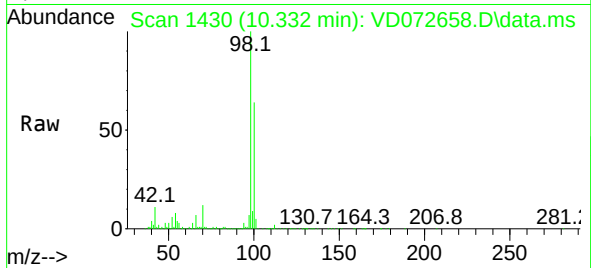




#50
Toluene-d8
Concen: 45.514 ug/l
RT: 10.332 min Scan# 1431
Delta R.T. -0.006 min
Lab File: VD072658.D
Acq: 20 Apr 2022 20:24

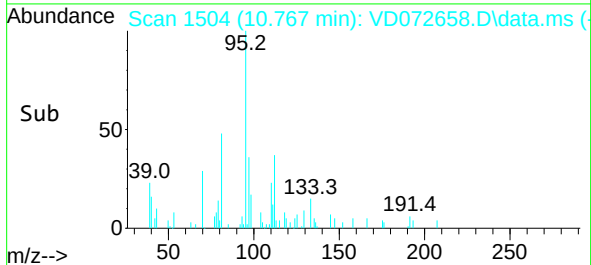
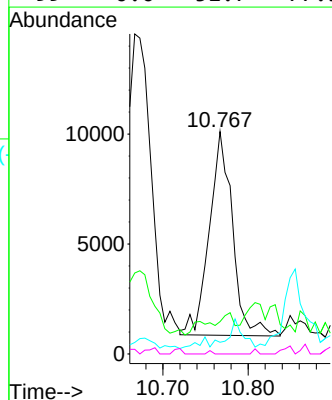
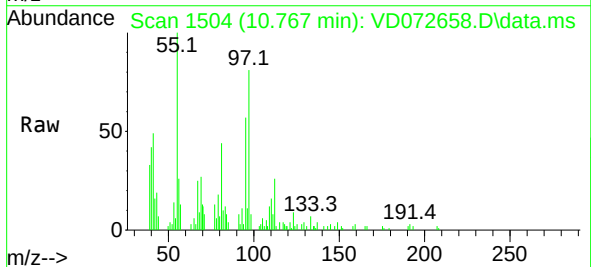
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

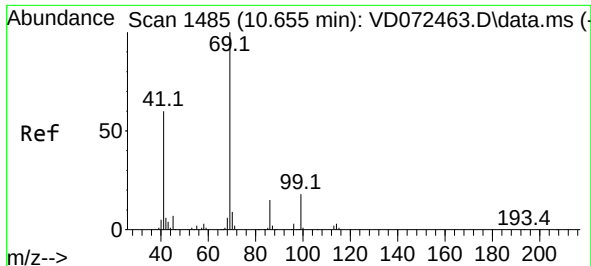
Tgt Ion: 98 Resp: 1275143
Ion Ratio Lower Upper
98 100
100 66.2 52.4 78.6



#55
1,1,2-Trichloroethane
Concen: 2.816 ug/l
RT: 10.767 min Scan# 1504
Delta R.T. -0.030 min
Lab File: VD072658.D
Acq: 20 Apr 2022 20:24

Tgt Ion: 97 Resp: 17541
Ion Ratio Lower Upper
97 100
83 3.8 69.0 103.4#
85 3.1 42.6 63.8#
99 0.0 51.7 77.5#

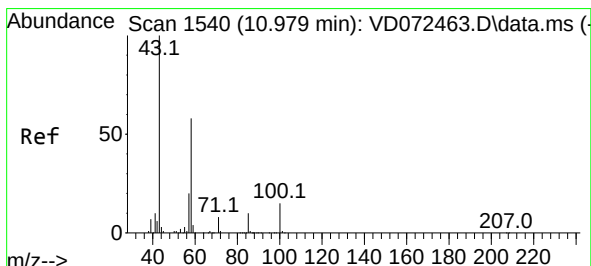
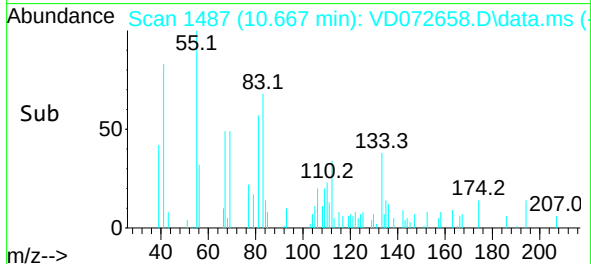
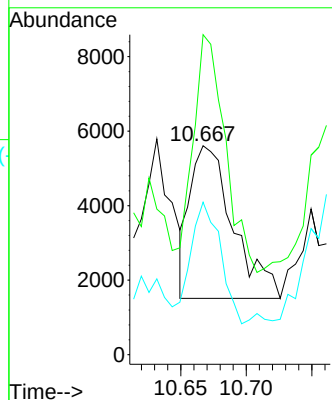
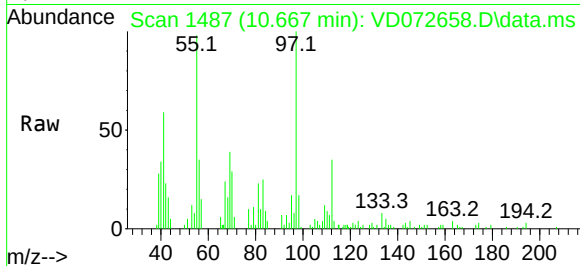




#56
Ethyl methacrylate
Concen: 2.386 ug/l
RT: 10.667 min Scan# 1487
Delta R.T. 0.012 min
Lab File: VD072658.D
Acq: 20 Apr 2022 20:24

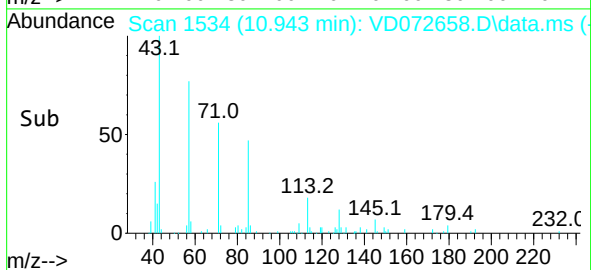
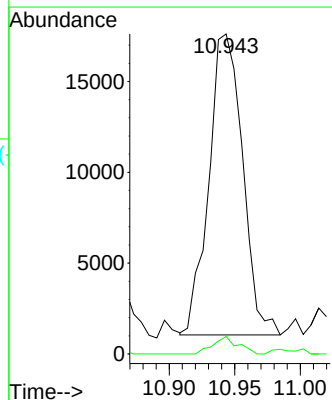
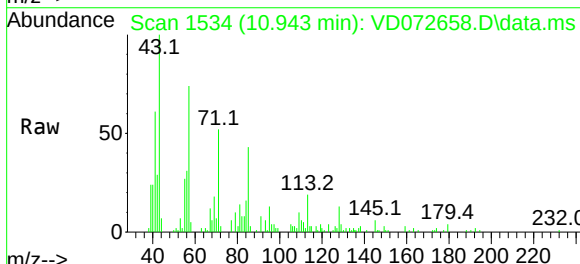
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

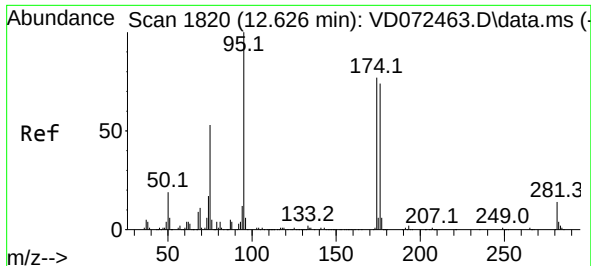
Tgt Ion: 69 Resp: 9374
Ion Ratio Lower Upper
69 100
41 116.1 63.0 94.6#
39 53.0 33.8 50.8#



#59
2-Hexanone
Concen: 9.941 ug/l
RT: 10.943 min Scan# 1534
Delta R.T. -0.035 min
Lab File: VD072658.D
Acq: 20 Apr 2022 20:24

Tgt Ion: 43 Resp: 29715
Ion Ratio Lower Upper
43 100
58 4.3 25.3 75.9#

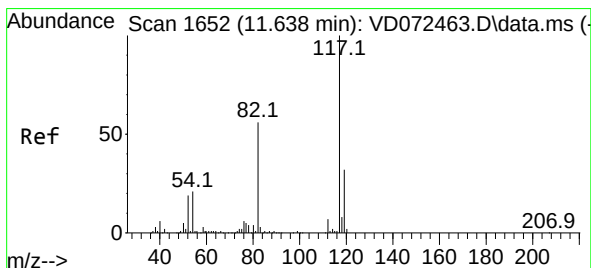
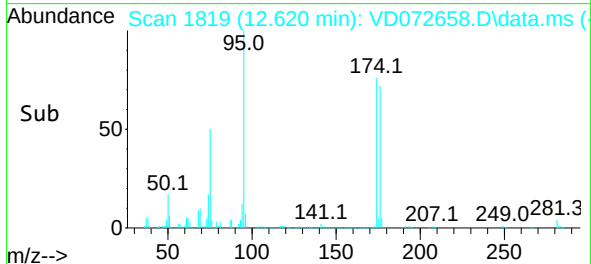
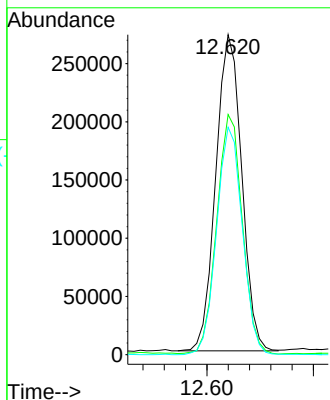
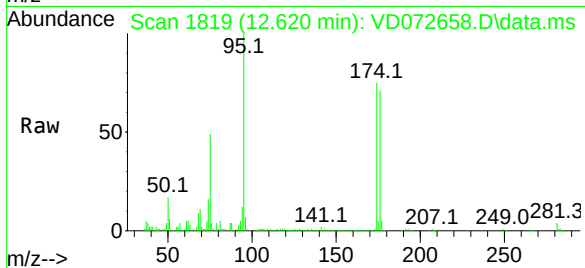




#62
4-Bromofluorobenzene
Concen: 41.895 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072658.D
Acq: 20 Apr 2022 20:24

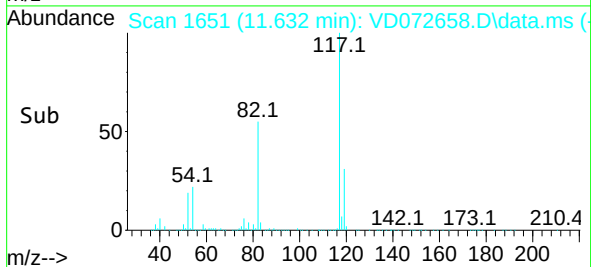
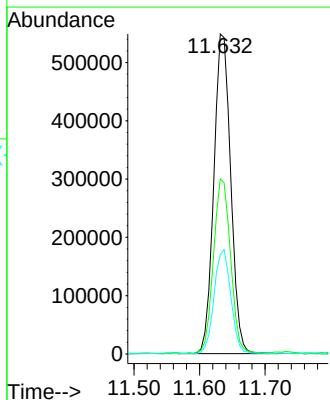
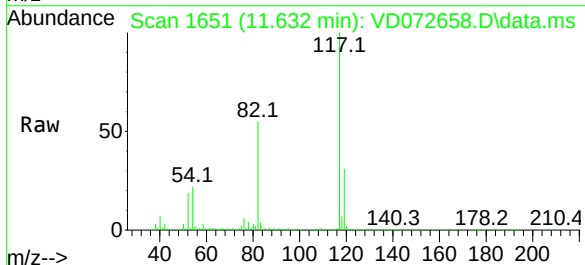
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

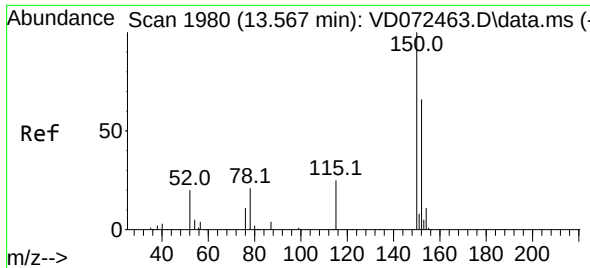
Tgt Ion: 95 Resp: 458395
Ion Ratio Lower Upper
95 100
174 74.8 0.0 152.8
176 71.6 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD072658.D
Acq: 20 Apr 2022 20:24

Tgt Ion: 117 Resp: 978919
Ion Ratio Lower Upper
117 100
82 54.4 45.3 67.9
119 31.0 26.6 40.0

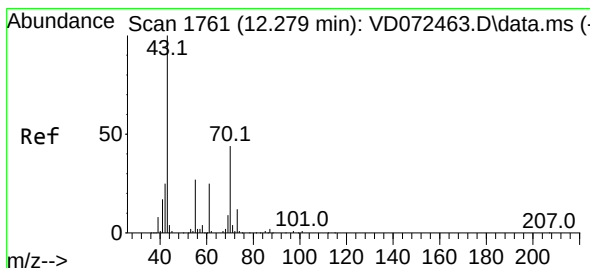
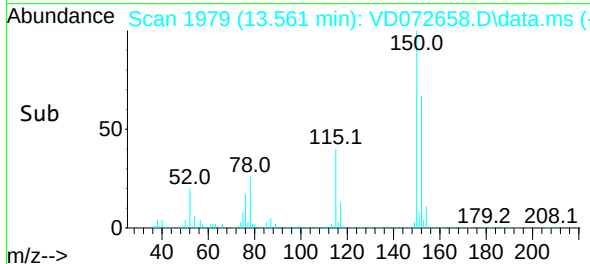
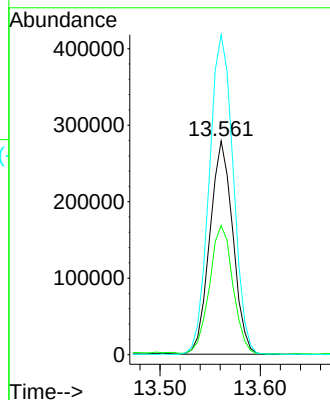
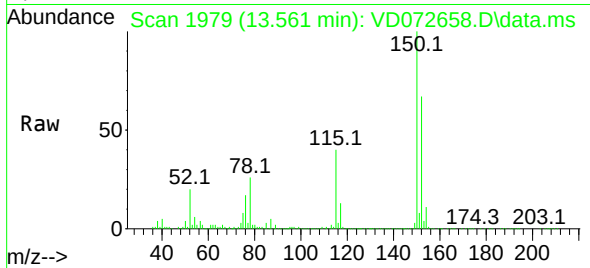




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD072658.D
Acq: 20 Apr 2022 20:24

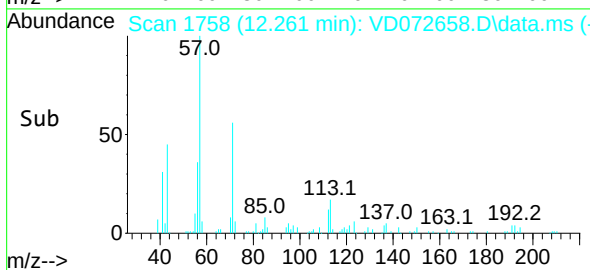
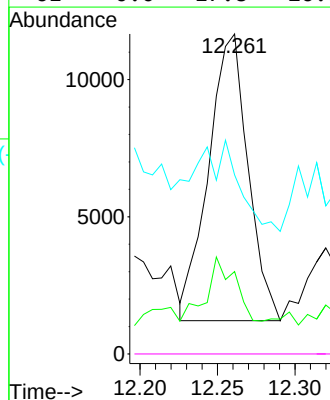
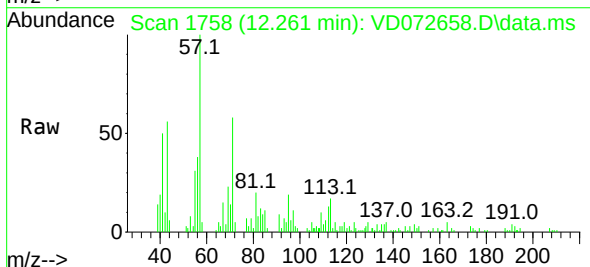
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

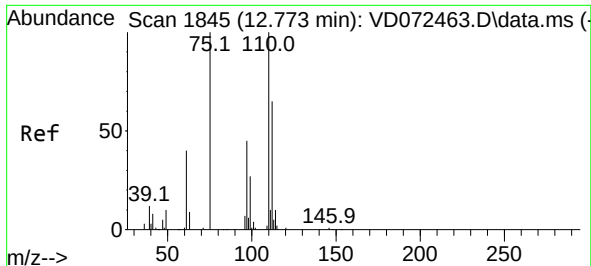
Tgt Ion:152 Resp: 444900
Ion Ratio Lower Upper
152 100
115 61.9 31.3 93.8
150 157.5 0.0 348.6



#74
N-ethyl acetate
Concen: 2.452 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.018 min
Lab File: VD072658.D
Acq: 20 Apr 2022 20:24

Tgt Ion: 43 Resp: 18488
Ion Ratio Lower Upper
43 100
70 15.8 31.3 46.9#
55 29.4 20.0 30.0
61 0.0 17.8 26.8#

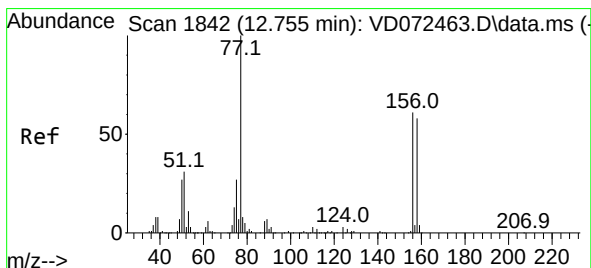
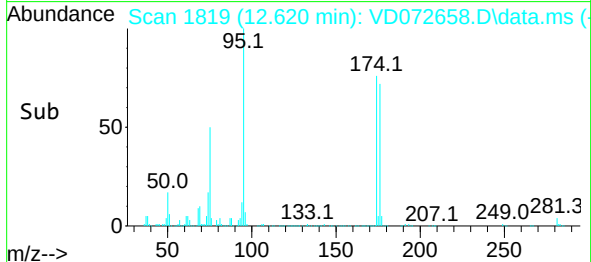
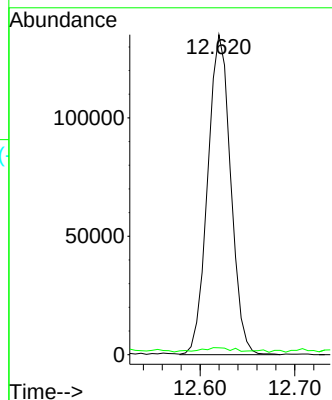
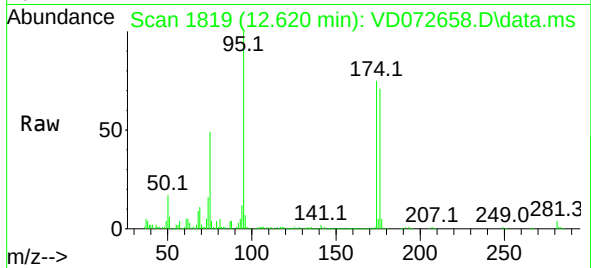




#76
1,2,3-Trichloropropane
Concen: 46.970 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072658.D
Acq: 20 Apr 2022 20:24

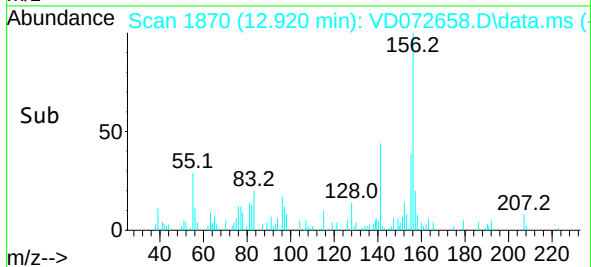
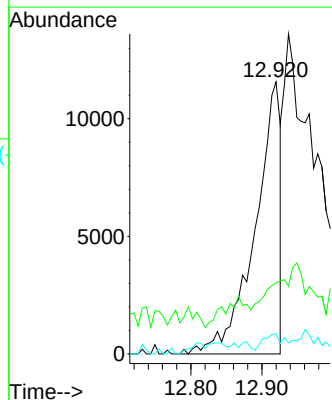
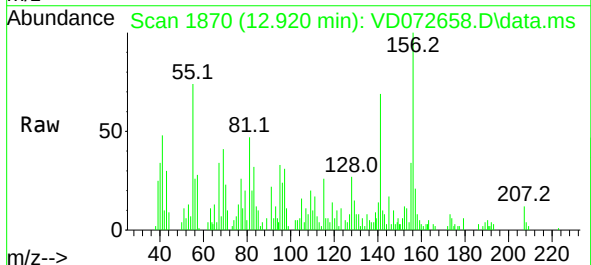
Instrument :
MSVOA_D
ClientSampleId :
VIBLK

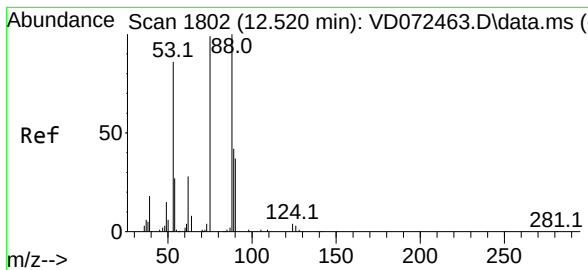
Tgt Ion: 75 Resp: 227917
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#77
Bromobenzene
Concen: 3.571 ug/l
RT: 12.920 min Scan# 1870
Delta R.T. 0.165 min
Lab File: VD072658.D
Acq: 20 Apr 2022 20:24

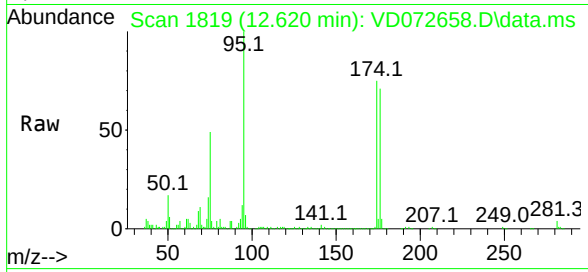
Tgt Ion: 156 Resp: 28760
Ion Ratio Lower Upper
156 100
77 0.0 102.8 308.3#
158 4.7 48.7 146.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 115.256 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD072658.D
 Acq: 20 Apr 2022 20:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VIBLK



Tgt Ion: 75 Resp: 227917
 Ion Ratio Lower Upper
 75 100
 53 0.3 86.5 129.7#
 89 0.5 33.9 50.9#

