

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041922\
 Data File : VD072622.D
 Acq On : 19 Apr 2022 13:57
 Operator : VA/SY
 Sample : N2444-11
 Misc : 3.60G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-11

Quant Time: Apr 20 05:02:34 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	432191	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	866350	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	839143	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	381557	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	267384	51.143	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.280%
35) Dibromofluoromethane	7.908	113	281878	41.867	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	83.740%
50) Toluene-d8	10.332	98	1040186	44.446	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	88.900%
62) 4-Bromofluorobenzene	12.620	95	375807	41.116	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	82.240%

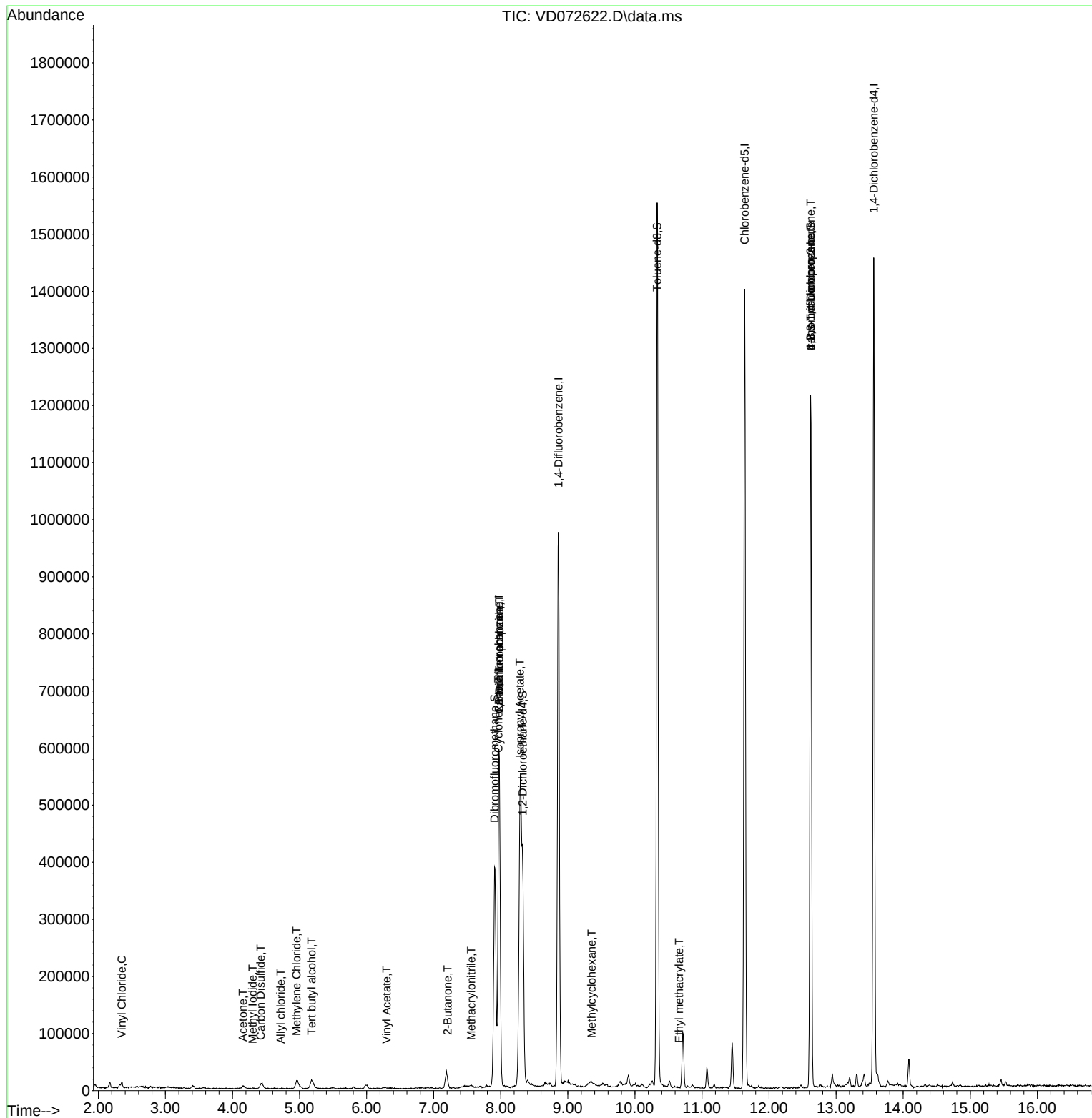
Target Compounds					Qvalue	
4) Vinyl Chloride	2.350	62	331	1.039	ug/l #	43
10) Methyl Iodide	4.303	142	789	3.889	ug/l #	65
11) Tert butyl alcohol	5.179	59	7003	25.364	ug/l #	74
14) Allyl chloride	4.720	41	148	1.148	ug/l #	22
16) Acetone	4.156	43	8075	8.283	ug/l	95
17) Carbon Disulfide	4.420	76	3207	3.980	ug/l #	74
20) Methylene Chloride	4.956	84	11409	1.966	ug/l #	64
23) Vinyl Acetate	6.297	43	120	6.303	ug/l #	75
25) 2-Butanone	7.208	43	2449	1.816	ug/l	91
31) Cyclohexane	7.967	56	9968	1.458	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	34912	5.090	ug/l #	51
38) Carbon Tetrachloride	7.979	117	47163	5.085	ug/l #	17
39) Methylcyclohexane	9.355	83	788	2.951	ug/l #	62
41) Methacrylonitrile	7.561	41	795	2.027	ug/l #	27
43) Isopropyl Acetate	8.285	43	12644	1.848	ug/l #	3
56) Ethyl methacrylate	10.661	69	772	1.309	ug/l #	31
76) 1,2,3-Trichloropropane	12.620	75	186932	44.919	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	186932	110.224	ug/l #	7

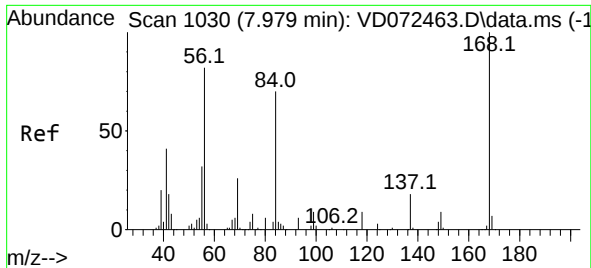
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041922\
Data File : VD072622.D
Acq On : 19 Apr 2022 13:57
Operator : VA/SY
Sample : N2444-11
Misc : 3.60G/5.00ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SB-11

Quant Time: Apr 20 05:02:34 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

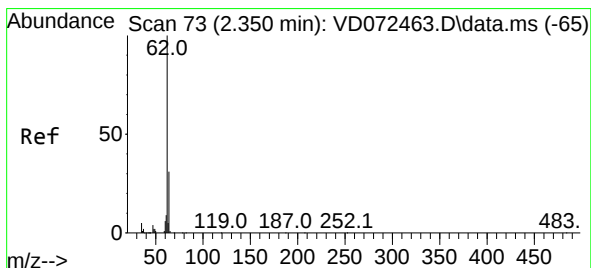
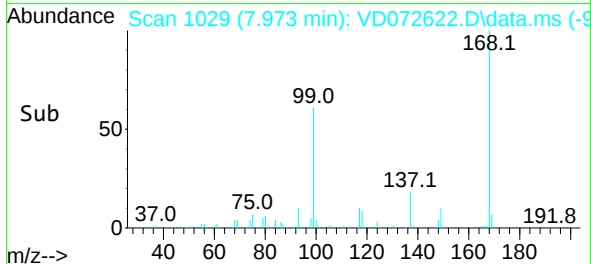
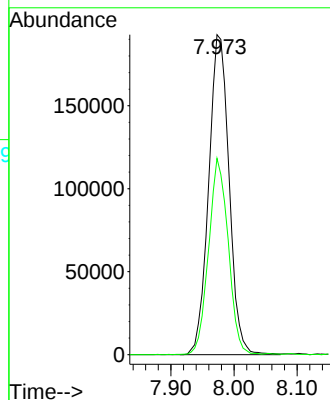
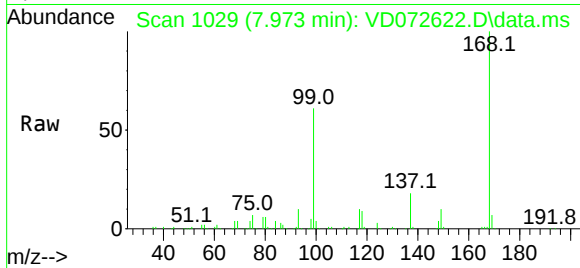




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD072622.D
Acq: 19 Apr 2022 13:57

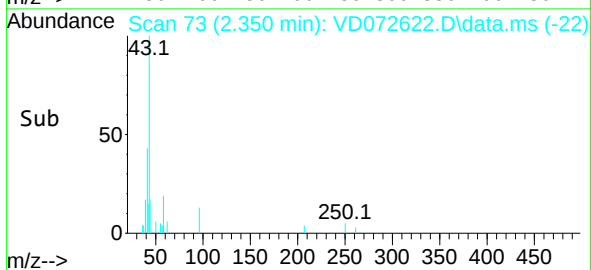
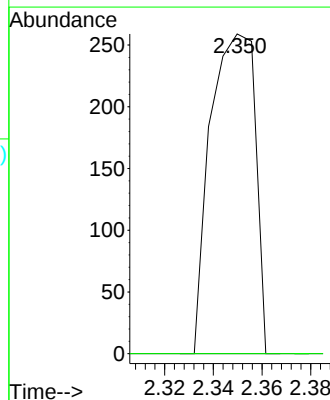
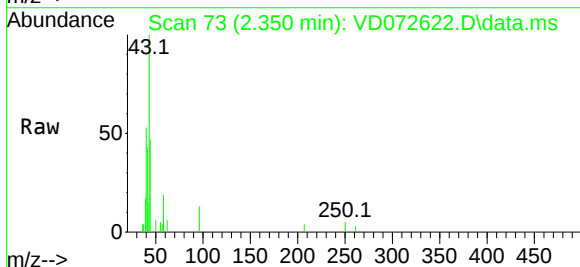
Instrument :
MSVOA_D
ClientSampleId :
SB-11

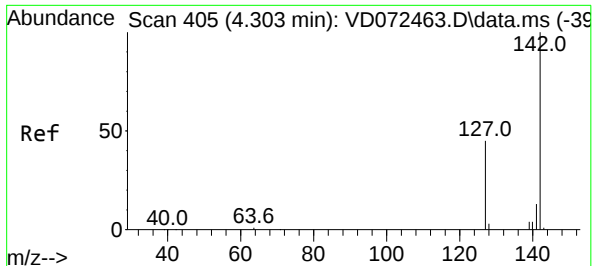
Tgt Ion:168 Resp: 432191
Ion Ratio Lower Upper
168 100
99 61.2 49.8 74.6



#4
Vinyl Chloride
Concen: 1.039 ug/l
RT: 2.350 min Scan# 73
Delta R.T. -0.000 min
Lab File: VD072622.D
Acq: 19 Apr 2022 13:57

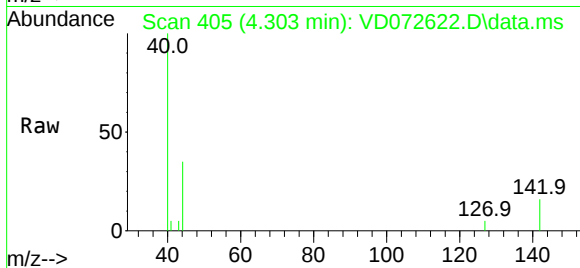
Tgt Ion: 62 Resp: 331
Ion Ratio Lower Upper
62 100
64 0.0 25.4 38.0#



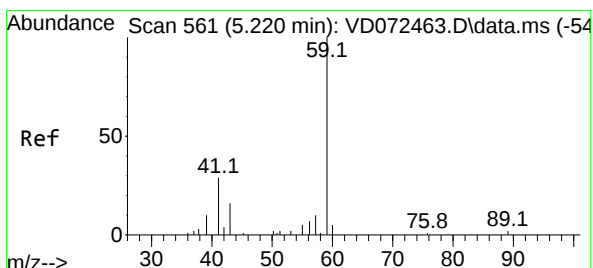
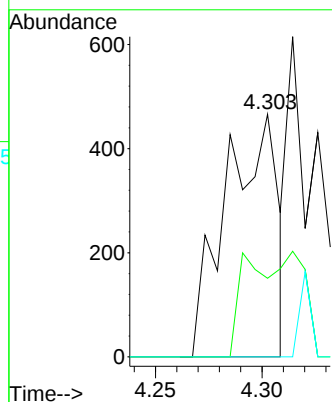
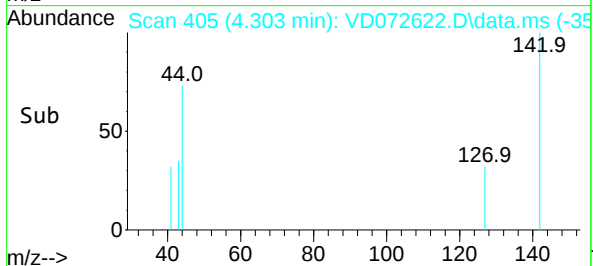


#10
Methyl Iodide
Concen: 3.889 ug/l
RT: 4.303 min Scan# 405
Delta R.T. -0.000 min
Lab File: VD072622.D
Acq: 19 Apr 2022 13:57

Instrument :
MSVOA_D
ClientSampleId :
SB-11

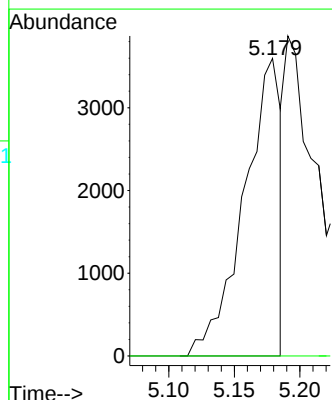
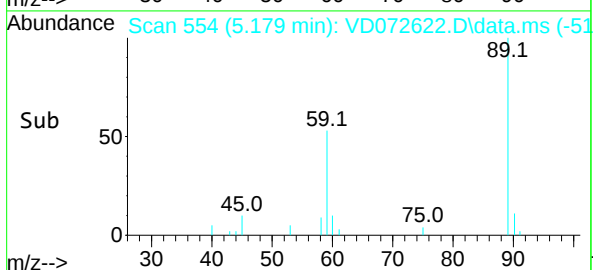
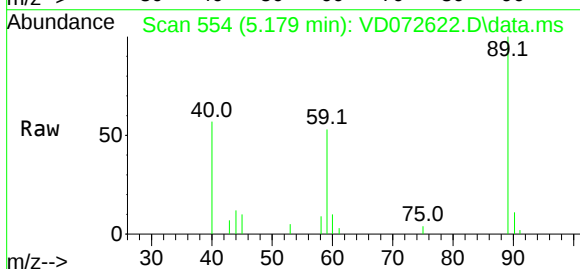


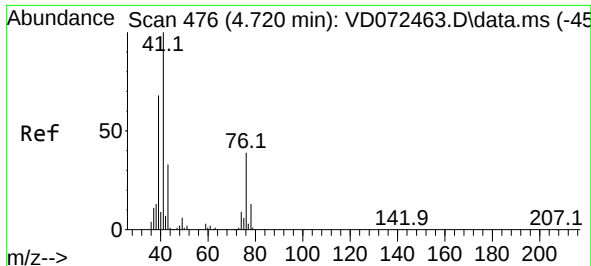
Tgt Ion:142 Resp: 789
Ion Ratio Lower Upper
142 100
127 23.2 37.3 55.9#
141 0.0 11.7 17.5#



#11
Tert butyl alcohol
Concen: 25.364 ug/l
RT: 5.179 min Scan# 554
Delta R.T. -0.041 min
Lab File: VD072622.D
Acq: 19 Apr 2022 13:57

Tgt Ion: 59 Resp: 7003
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

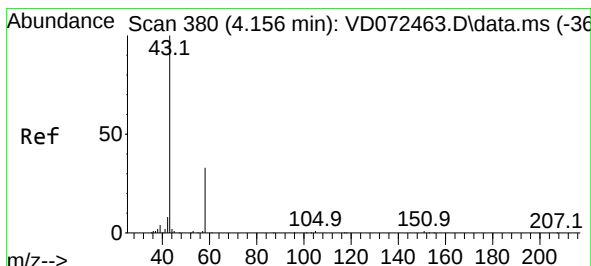
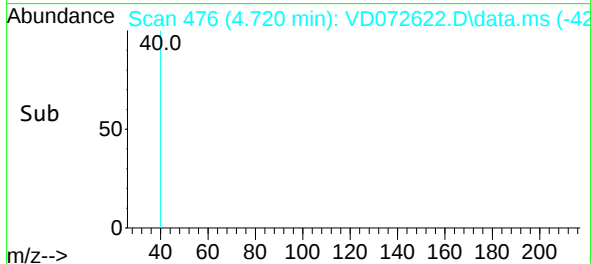
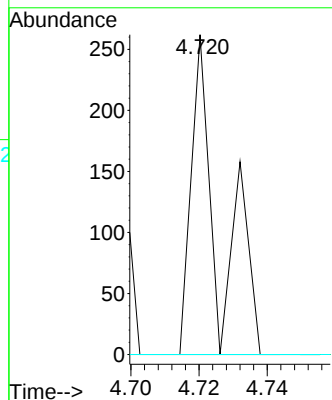
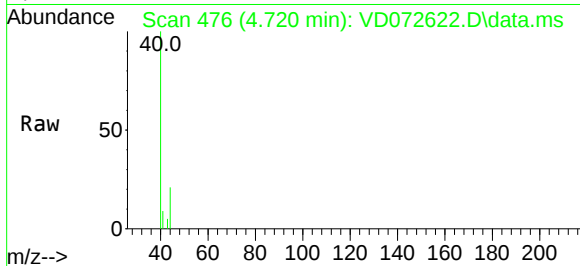




#14
 Allyl chloride
 Concen: 1.148 ug/l
 RT: 4.720 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VD072622.D
 Acq: 19 Apr 2022 13:57

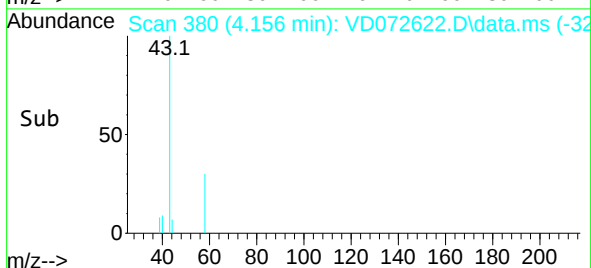
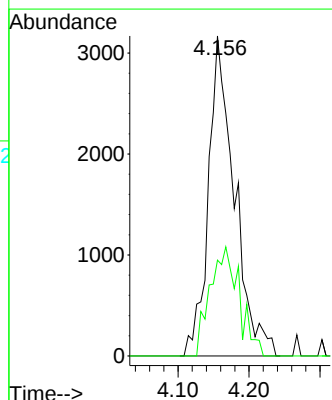
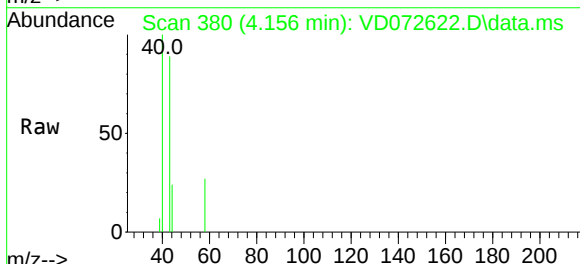
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-11

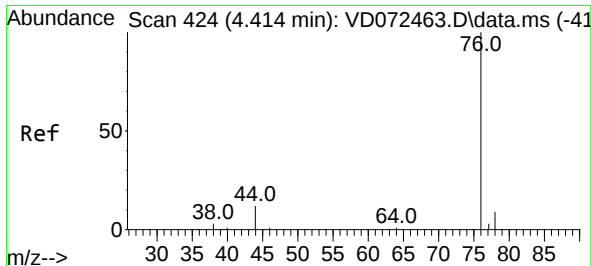
Tgt Ion: 41 Resp: 148
 Ion Ratio Lower Upper
 41 100
 39 0.0 59.3 88.9#
 76 0.0 25.7 38.5#



#16
 Acetone
 Concen: 8.283 ug/l
 RT: 4.156 min Scan# 380
 Delta R.T. -0.000 min
 Lab File: VD072622.D
 Acq: 19 Apr 2022 13:57

Tgt Ion: 43 Resp: 8075
 Ion Ratio Lower Upper
 43 100
 58 30.0 22.1 33.1

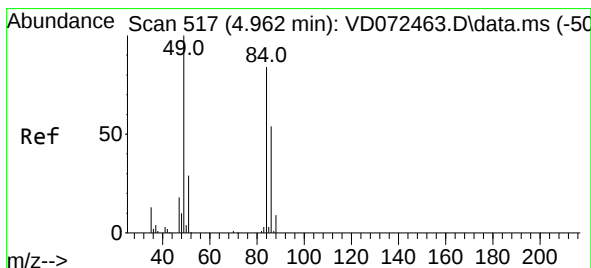
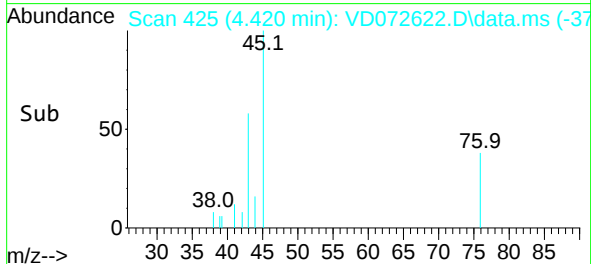
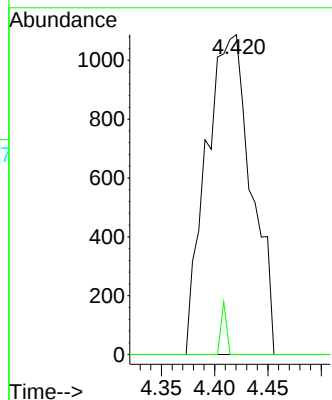
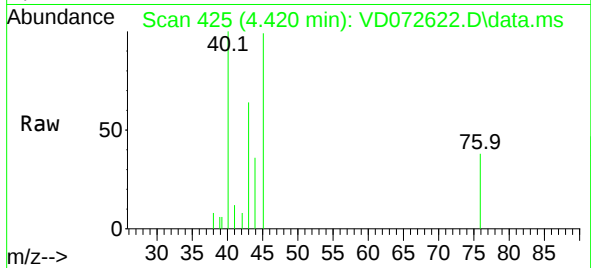




#17
Carbon Disulfide
Concen: 3.980 ug/l
RT: 4.420 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD072622.D
Acq: 19 Apr 2022 13:57

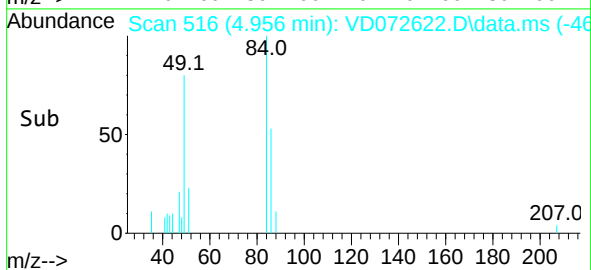
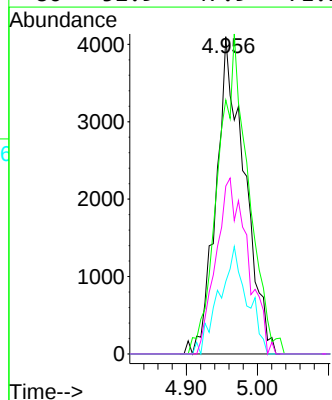
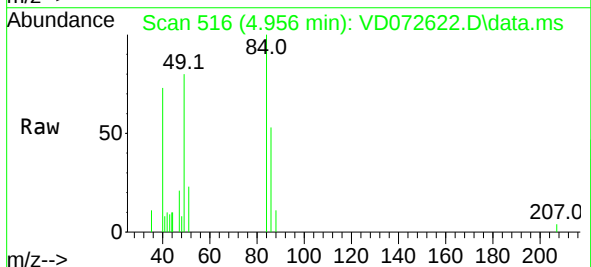
Instrument :
MSVOA_D
ClientSampleId :
SB-11

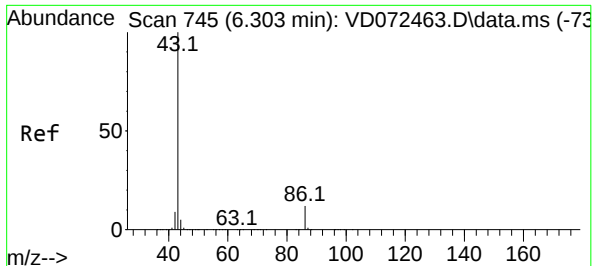
Tgt Ion: 76 Resp: 3207
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#20
Methylene Chloride
Concen: 1.966 ug/l
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD072622.D
Acq: 19 Apr 2022 13:57

Tgt Ion: 84 Resp: 11409
Ion Ratio Lower Upper
84 100
49 80.0 112.8 169.2#
51 22.9 32.6 48.8#
86 52.9 47.9 71.9

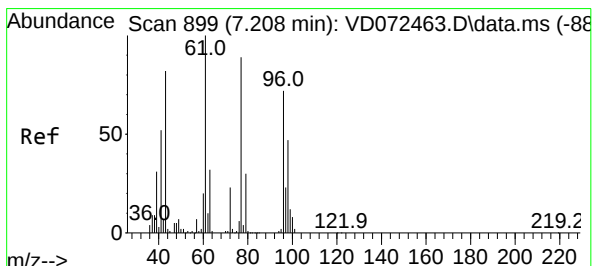
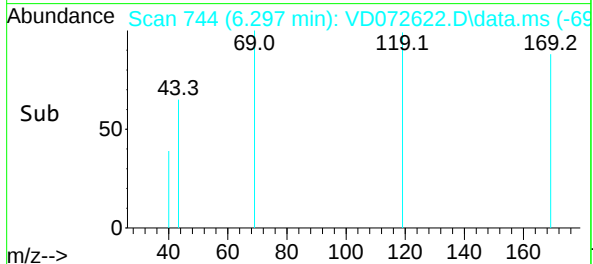
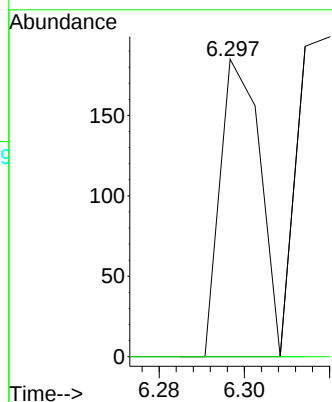
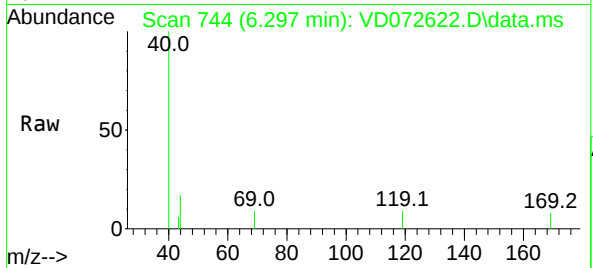




#23
 Vinyl Acetate
 Concen: 6.303 ug/l
 RT: 6.297 min Scan# 745
 Delta R.T. -0.006 min
 Lab File: VD072622.D
 Acq: 19 Apr 2022 13:57

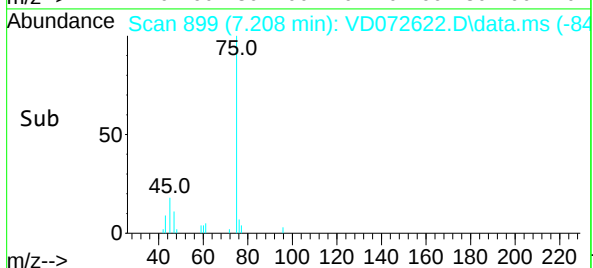
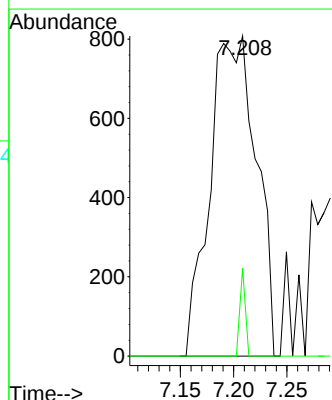
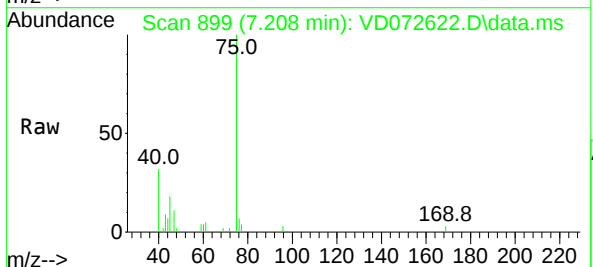
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-11

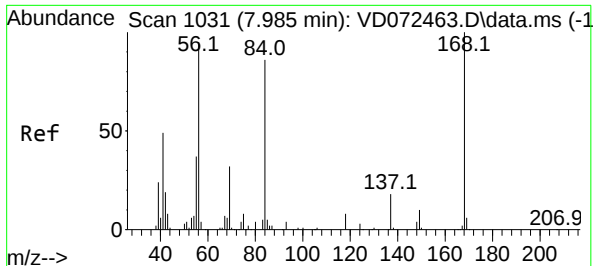
Tgt Ion: 43 Resp: 120
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.1 10.7#



#25
 2-Butanone
 Concen: 1.816 ug/l
 RT: 7.208 min Scan# 899
 Delta R.T. -0.000 min
 Lab File: VD072622.D
 Acq: 19 Apr 2022 13:57

Tgt Ion: 43 Resp: 2449
 Ion Ratio Lower Upper
 43 100
 72 27.4 18.6 27.8





#31

Cyclohexane

Concen: 1.458 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.018 min

Lab File: VD072622.D

Acq: 19 Apr 2022 13:57

Instrument :

MSVOA_D

ClientSampleId :

SB-11

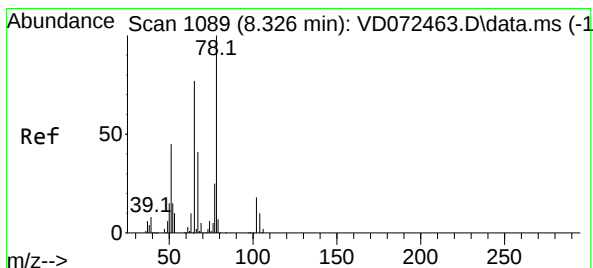
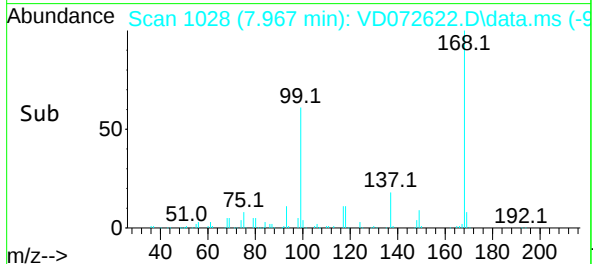
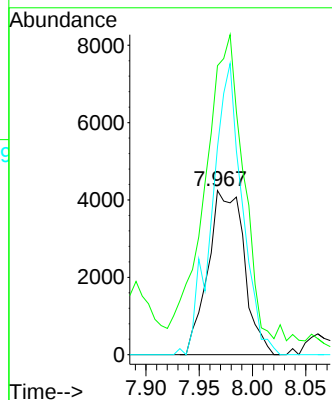
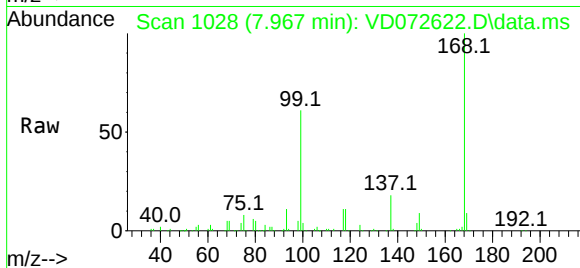
Tgt Ion: 56 Resp: 9968

Ion Ratio Lower Upper

56 100

69 157.9 25.4 38.2#

84 126.4 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 51.143 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD072622.D

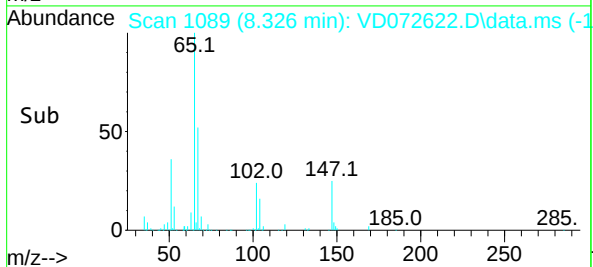
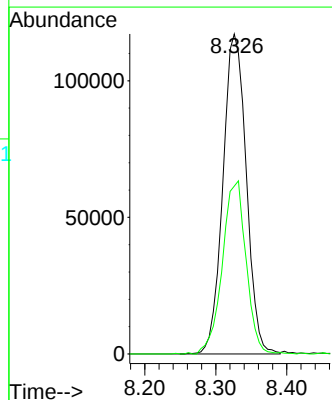
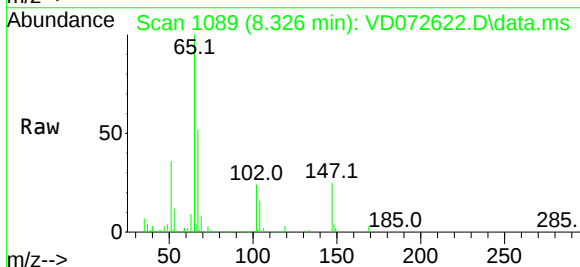
Acq: 19 Apr 2022 13:57

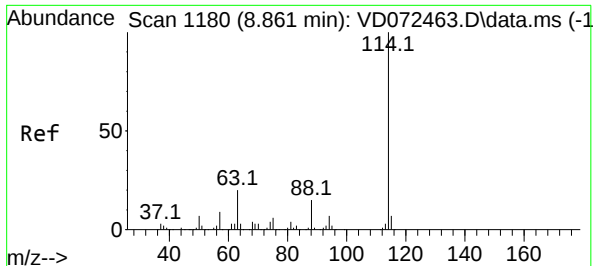
Tgt Ion: 65 Resp: 267384

Ion Ratio Lower Upper

65 100

67 54.9 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: VD072622.D

Acq: 19 Apr 2022 13:57

Instrument :

MSVOA_D

ClientSampleId :

SB-11

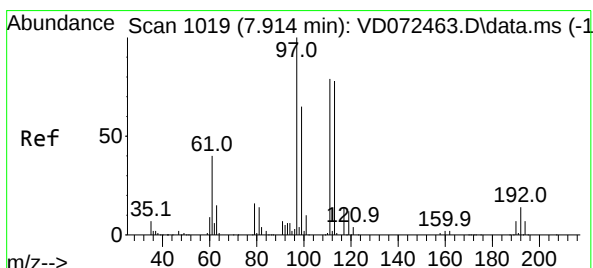
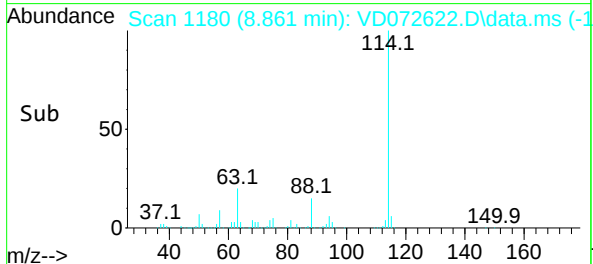
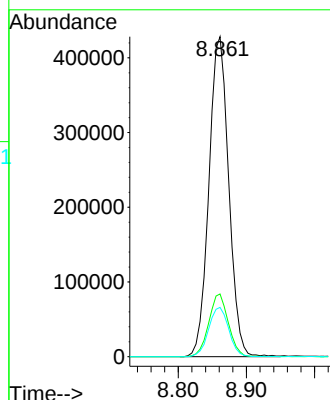
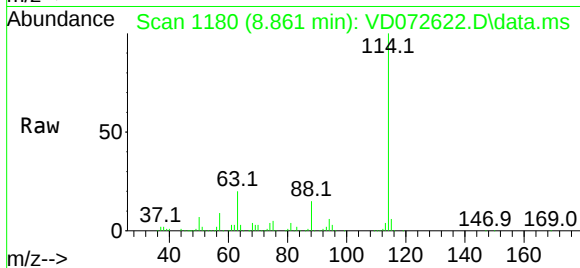
Tgt Ion:114 Resp: 866350

Ion Ratio Lower Upper

114 100

63 19.6 0.0 46.6

88 15.4 0.0 33.2



#35

Dibromofluoromethane

Concen: 41.867 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD072622.D

Acq: 19 Apr 2022 13:57

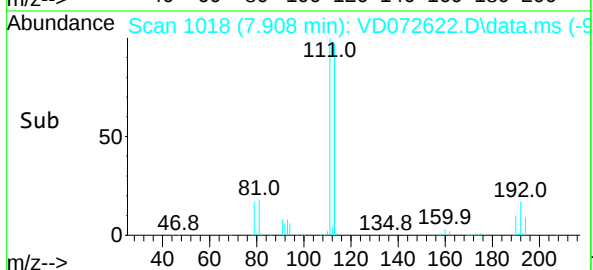
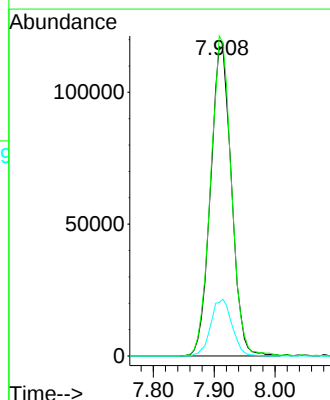
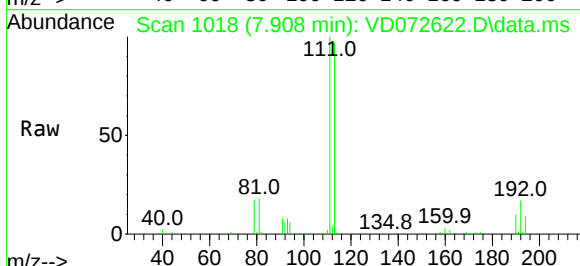
Tgt Ion:113 Resp: 281878

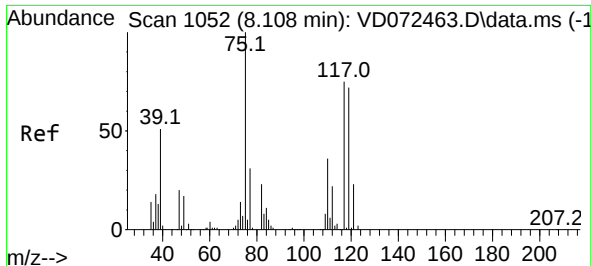
Ion Ratio Lower Upper

113 100

111 102.4 83.8 125.6

192 18.4 14.6 21.8





#36

1,1-Dichloropropene

Concen: 5.090 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD072622.D

Acq: 19 Apr 2022 13:57

Instrument :

MSVOA_D

ClientSampleId :

SB-11

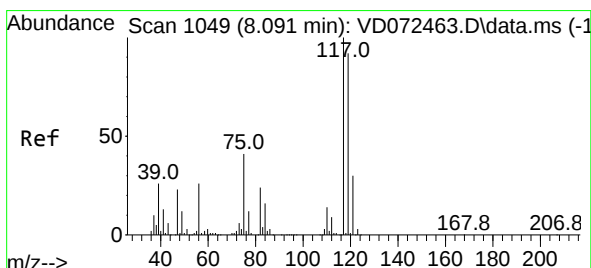
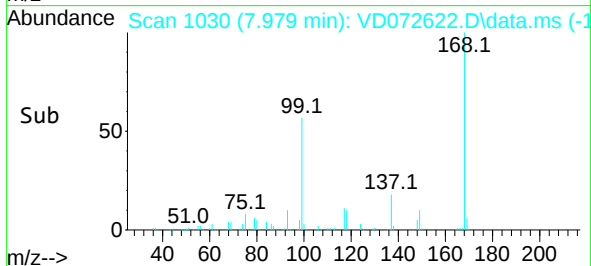
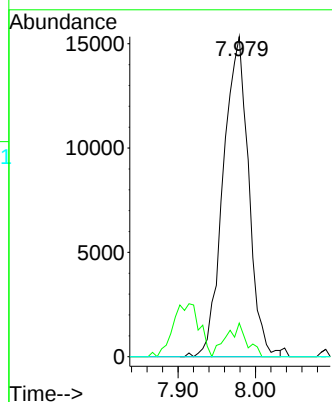
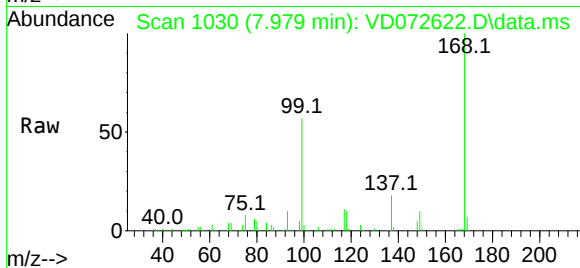
Tgt Ion: 75 Resp: 34912

Ion Ratio Lower Upper

75 100

110 8.5 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.085 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.112 min

Lab File: VD072622.D

Acq: 19 Apr 2022 13:57

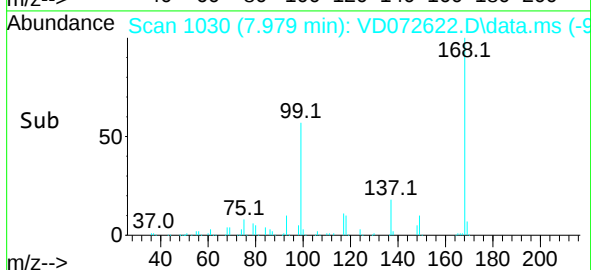
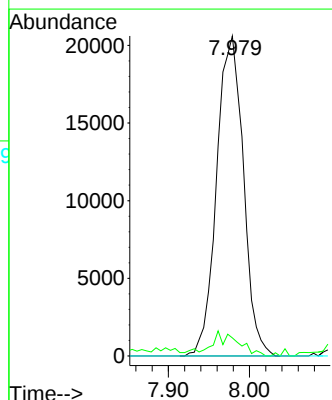
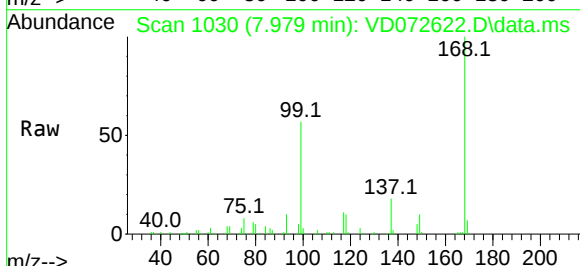
Tgt Ion: 117 Resp: 47163

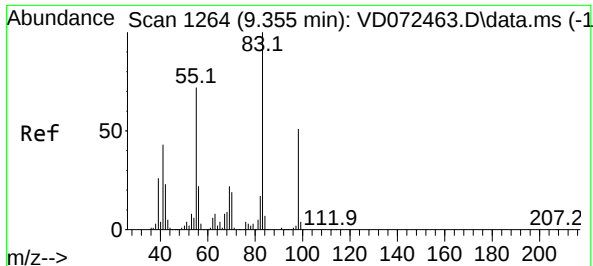
Ion Ratio Lower Upper

117 100

119 5.7 75.8 113.6#

121 0.0 24.5 36.7#





#39

Methylcyclohexane

Concen: 2.951 ug/l

RT: 9.355 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD072622.D

Acq: 19 Apr 2022 13:57

Instrument :

MSVOA_D

ClientSampleId :

SB-11

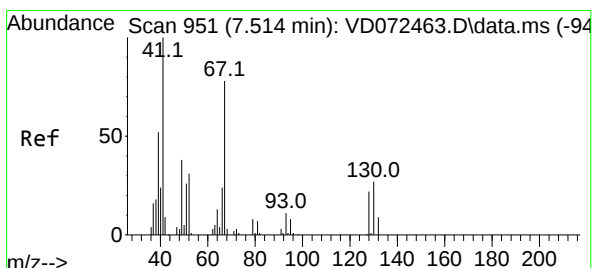
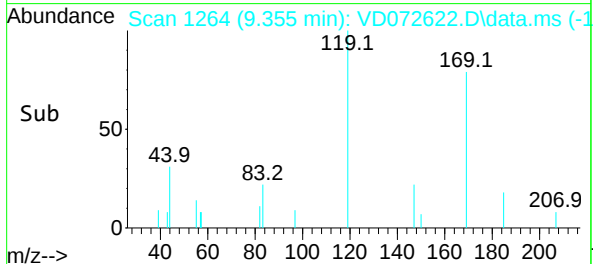
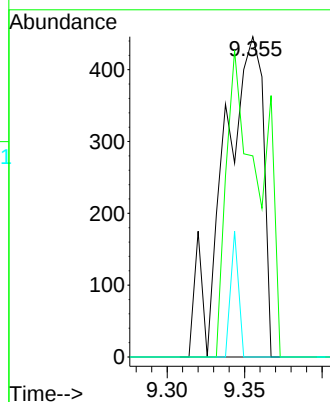
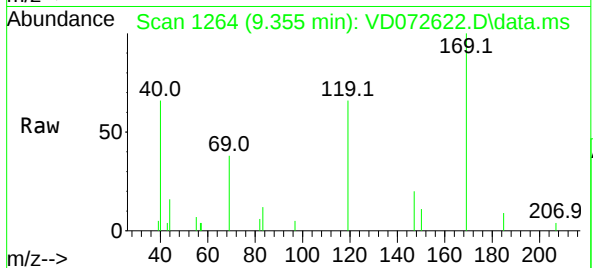
Tgt Ion: 83 Resp: 788

Ion Ratio Lower Upper

83 100

55 62.8 63.2 94.8#

98 0.0 38.2 57.4#



#41

Methacrylonitrile

Concen: 2.027 ug/l

RT: 7.561 min Scan# 959

Delta R.T. 0.047 min

Lab File: VD072622.D

Acq: 19 Apr 2022 13:57

Tgt Ion: 41 Resp: 795

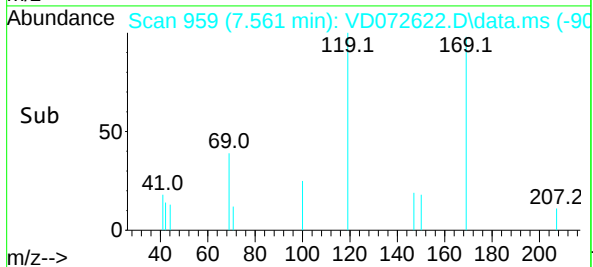
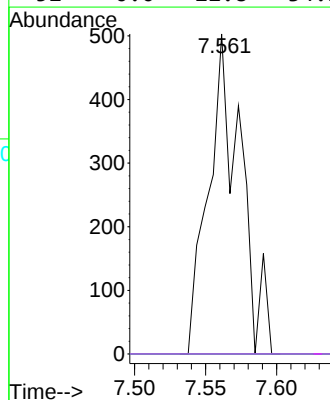
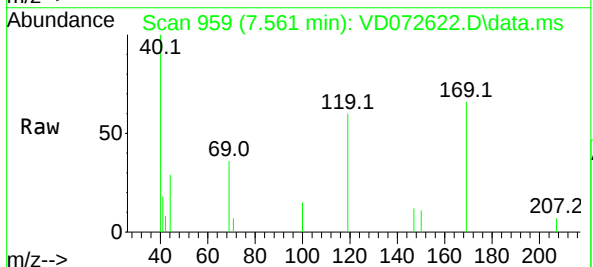
Ion Ratio Lower Upper

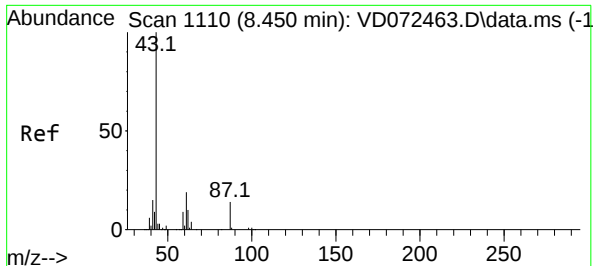
41 100

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: 1.848 ug/l

RT: 8.285 min Scan# 1082

Delta R.T. -0.165 min

Lab File: VD072622.D

Acq: 19 Apr 2022 13:57

Instrument :

MSVOA_D

ClientSampleId :

SB-11

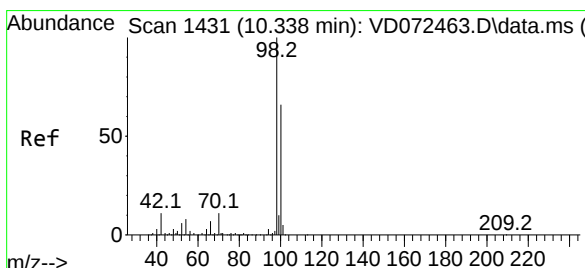
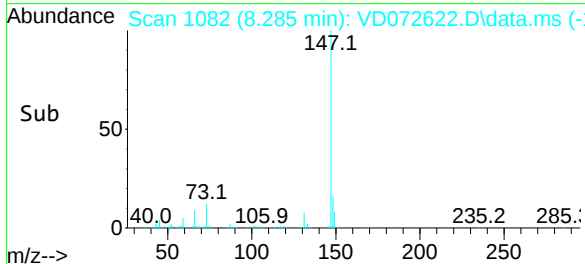
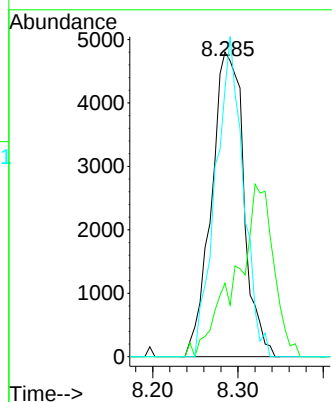
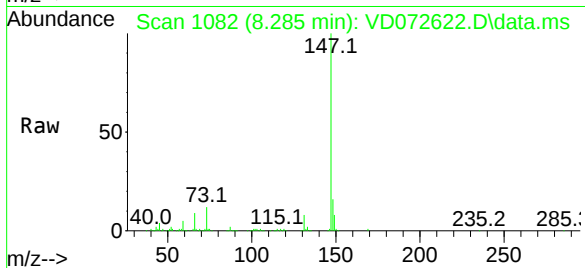
Tgt Ion: 43 Resp: 12644

Ion Ratio Lower Upper

43 100

61 0.0 22.4 33.6#

87 89.5 8.7 13.1#



#50

Toluene-d8

Concen: 44.446 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.006 min

Lab File: VD072622.D

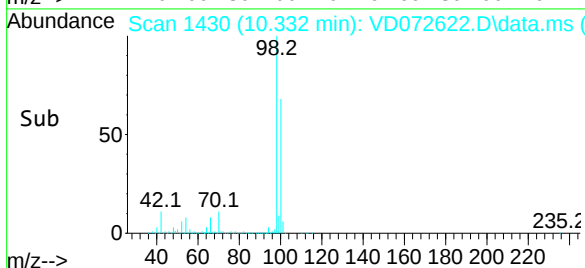
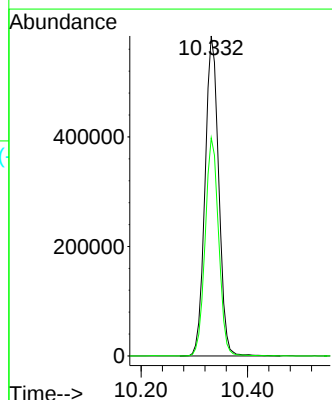
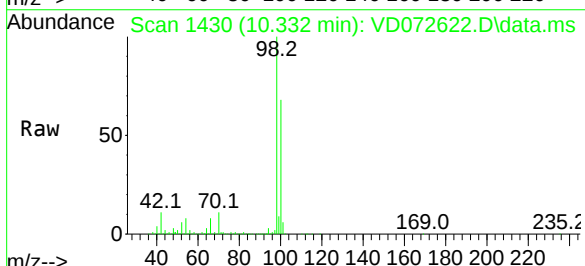
Acq: 19 Apr 2022 13:57

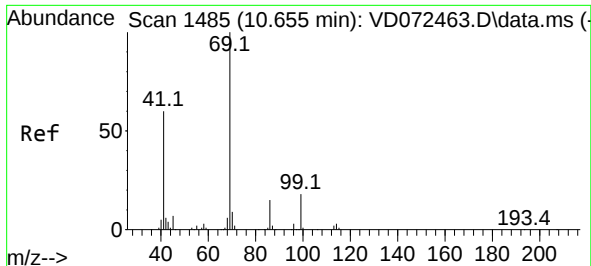
Tgt Ion: 98 Resp: 1040186

Ion Ratio Lower Upper

98 100

100 67.3 52.4 78.6

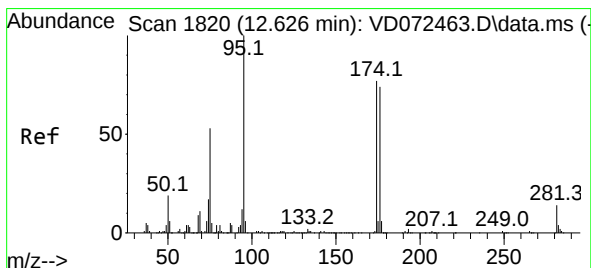
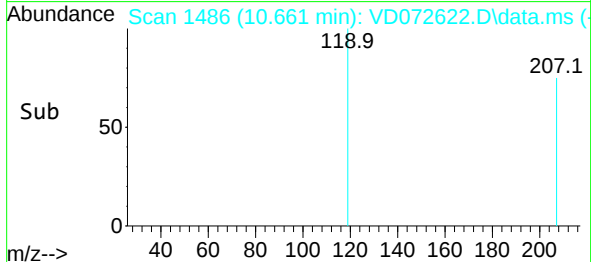
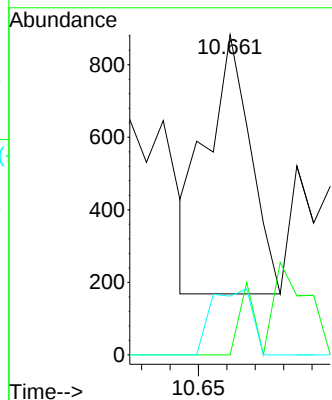
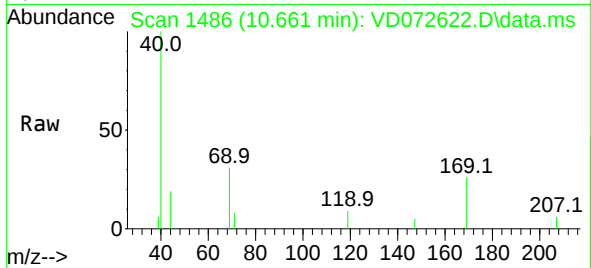




#56
Ethyl methacrylate
Concen: 1.309 ug/l
RT: 10.661 min Scan# 1486
Delta R.T. 0.006 min
Lab File: VD072622.D
Acq: 19 Apr 2022 13:57

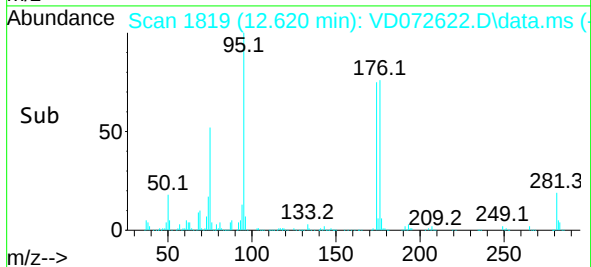
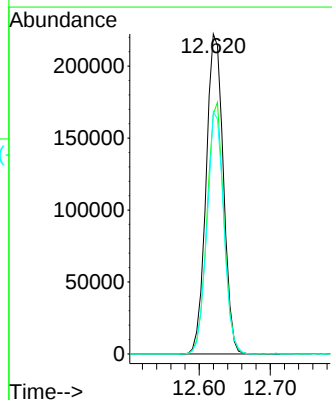
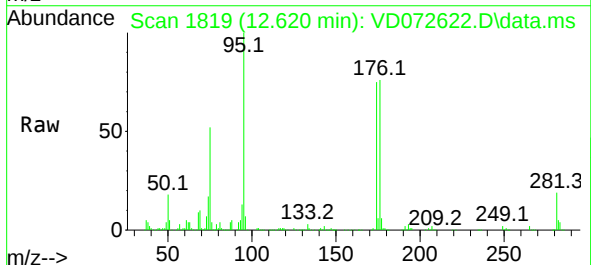
Instrument :
MSVOA_D
ClientSampleId :
SB-11

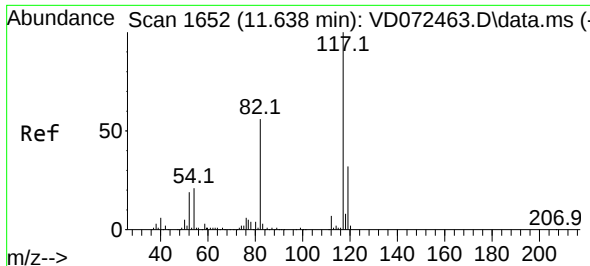
Tgt Ion: 69 Resp: 772
Ion Ratio Lower Upper
69 100
41 0.0 63.0 94.6#
39 23.3 33.8 50.8#



#62
4-Bromofluorobenzene
Concen: 41.116 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072622.D
Acq: 19 Apr 2022 13:57

Tgt Ion: 95 Resp: 375807
Ion Ratio Lower Upper
95 100
174 76.6 0.0 152.8
176 73.8 0.0 145.4

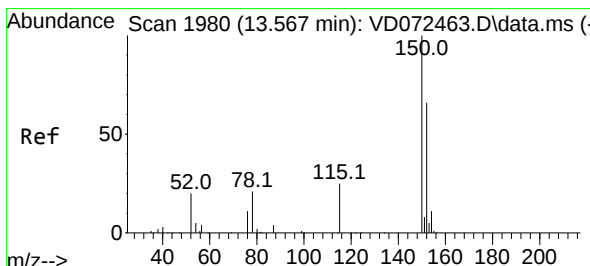
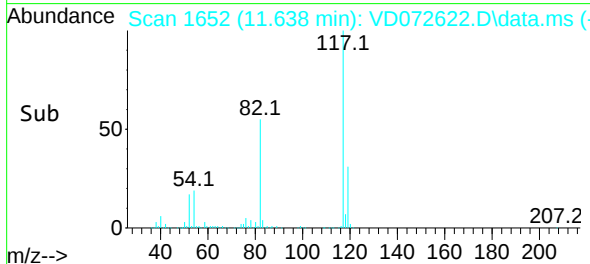
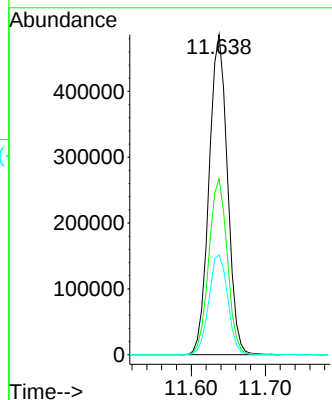
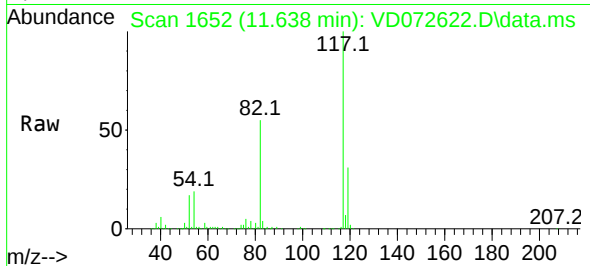




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD072622.D
Acq: 19 Apr 2022 13:57

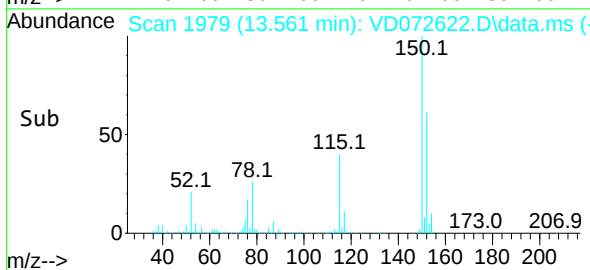
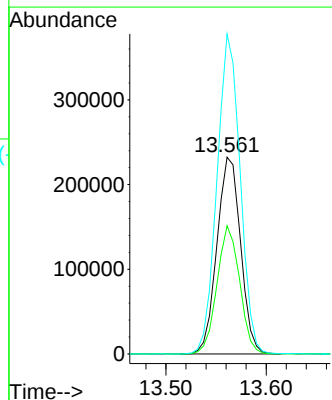
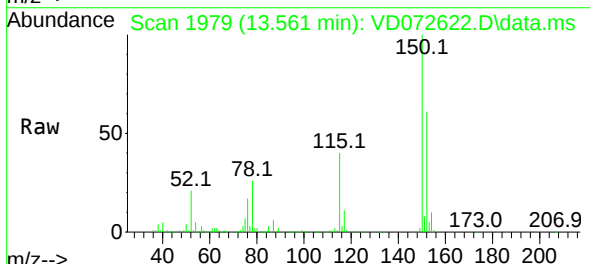
Instrument :
MSVOA_D
ClientSampleId :
SB-11

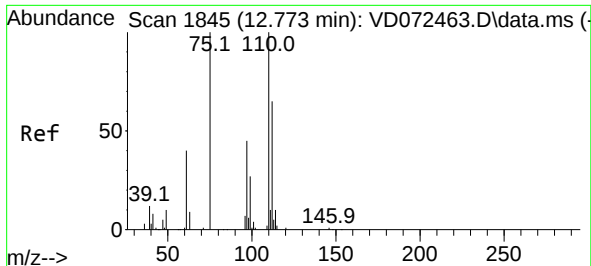
Tgt Ion:117 Resp: 839143
Ion Ratio Lower Upper
117 100
82 55.0 45.3 67.9
119 31.2 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072622.D
Acq: 19 Apr 2022 13:57

Tgt Ion:152 Resp: 381557
Ion Ratio Lower Upper
152 100
115 62.1 31.3 93.8
150 159.0 0.0 348.6

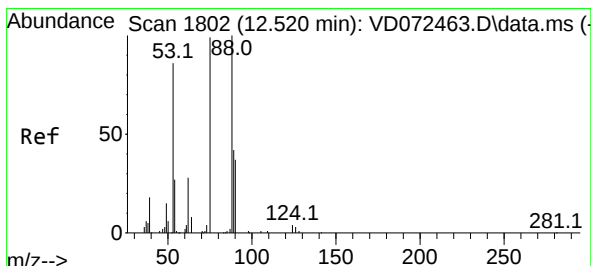
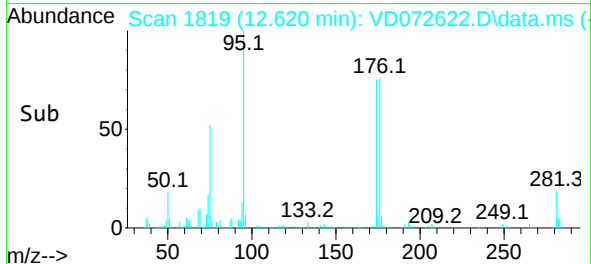
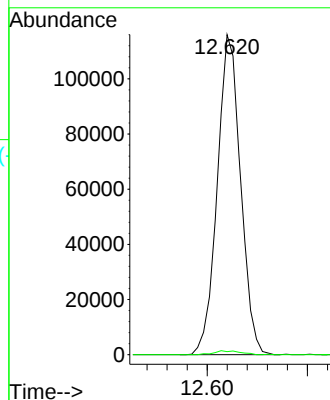
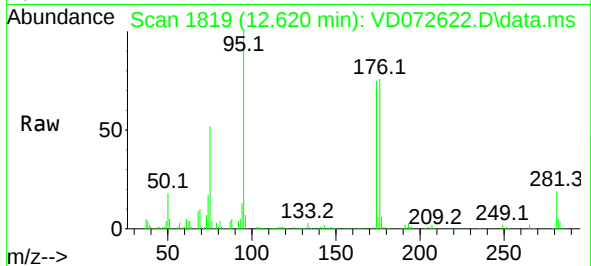




#76
1,2,3-Trichloropropane
Concen: 44.919 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072622.D
Acq: 19 Apr 2022 13:57

Instrument :
MSVOA_D
ClientSampleId :
SB-11

Tgt Ion: 75 Resp: 186932
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 110.224 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD072622.D
Acq: 19 Apr 2022 13:57

Tgt Ion: 75 Resp: 186932
Ion Ratio Lower Upper
75 100
53 0.2 86.5 129.7#
89 0.4 33.9 50.9#

