

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW040722\
 Data File : VW025380.D
 Acq On : 07 Apr 2022 12:54
 Operator : SY/MD
 Sample : N2261-05
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFY41

Quant Time: Apr 07 14:39:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032622WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Apr 07 01:24:47 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.613	114	171256	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	144737	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	67325	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	51322	3.208	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	64.200%
7) Chloroethane-d5	1.565	69	47740	3.556	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	71.200%
11) 1,1-Dichloroethene-d2	2.105	63	75133	2.168	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	43.400%#
20) 2-Butanone-d5	3.931	46	45237	28.389	ug/L	0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	56.780%
24) Chloroform-d	4.346	84	74876	3.587	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	71.800%
26) 1,2-Dichloroethane-d4	5.031	65	34096	3.695	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	74.000%
32) Benzene-d6	5.047	84	140650	3.841	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	76.800%
36) 1,2-Dichloropropane-d6	6.066	67	42230	4.115	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.400%
41) Toluene-d8	7.313	98	118059	3.515	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.400%
43) trans-1,3-Dichloroprop...	7.625	79	13689	4.089	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	81.800%
46) 2-Hexanone-d5	8.092	63	46711	38.633	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	77.260%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	31272	4.570	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.400%
66) 1,2-Dichlorobenzene-d4	11.625	152	51429	4.756	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	955	0.047	ug/L	94
6) Bromomethane	1.523	94	543	0.041	ug/L	80
12) 1,1-Dichloroethene	2.114	96	6621	0.384	ug/L #	1
13) Acetone	2.227	43	5680	4.671	ug/L #	49
17) Methyl tert-butyl Ether	2.773	73	3414	0.157	ug/L #	24
19) 1,1-Dichloroethane	3.188	63	21557	1.043	ug/L	94
22) cis-1,2-Dichloroethene	3.918	96	2777	0.221	ug/L	77
25) Chloroform	4.375	83	7533	0.329	ug/L	95
29) 1,1,1-Trichloroethane	4.603	97	2945	0.168	ug/L #	86
33) Benzene	5.101	78	10494	0.247	ug/L	100
34) Trichloroethene	5.918	95	2752	0.236	ug/L #	73
38) Bromodichloromethane	6.513	83	1050	0.084	ug/L #	75
39) cis-1,3-Dichloropropene	6.982	75	1171	0.092	ug/L #	61
47) Tetrachloroethene	7.976	164	2779	0.323	ug/L	90
49) Dibromochloromethane	8.246	129	727	0.100	ug/L	87
52) Ethylbenzene	9.021	91	1877	0.039	ug/L #	80
53) m,p-Xylene	9.140	106	1463	0.078	ug/L	84
54) o-Xylene	9.548	106	1920	0.107	ug/L	70
57) 1,1,2,2-Tetrachloroethane	10.246	83	7168	1.020	ug/L #	1

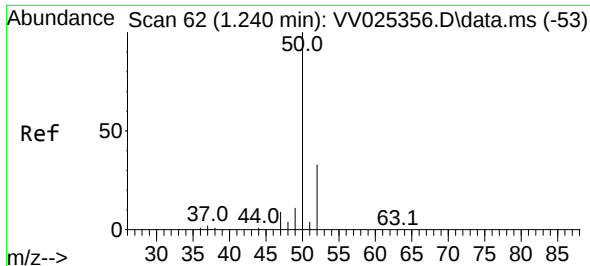
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV040722\
 Data File : VV025380.D
 Acq On : 07 Apr 2022 12:54
 Operator : SY/MD
 Sample : N2261-05
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFY41

Quant Time: Apr 07 14:39:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032622WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Apr 07 01:24:47 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	10.918	75	364	0.071	ug/L #	1
62) 1,3,5-Trimethylbenzene	10.918	105	9291	0.464	ug/L	89
63) 1,2,4-Trimethylbenzene	10.918	105	9291	0.260	ug/L	95
68) 1,2-Dibromo-3-chloropr...	12.403	75	115	0.126	ug/L #	1
70) 1,2,4-trichlorobenzene	13.262	180	977	0.086	ug/L #	24
71) Naphthalene	13.506	128	11291	0.637	ug/L #	79
72) 1,2,3-Trichlorobenzene	13.767	180	27109	2.764	ug/L #	18

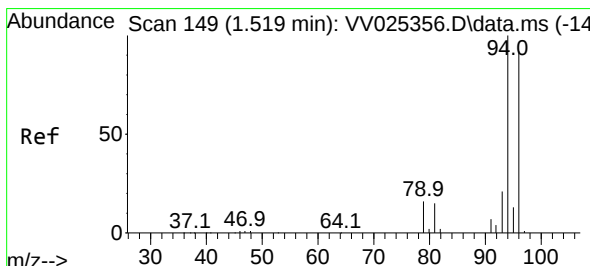
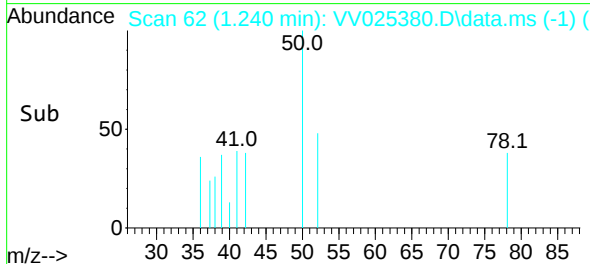
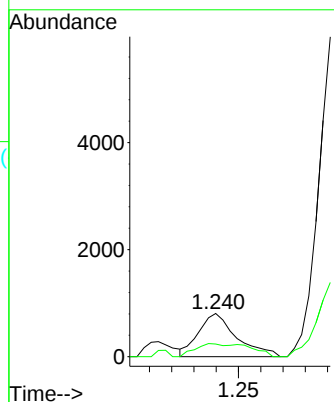
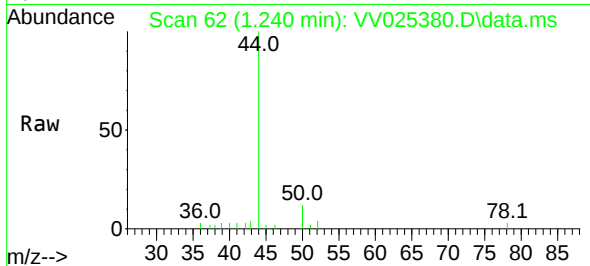
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#3
Chloromethane
Concen: 0.047 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.000 min
Lab File: VV025380.D
Acq: 07 Apr 2022 12:54

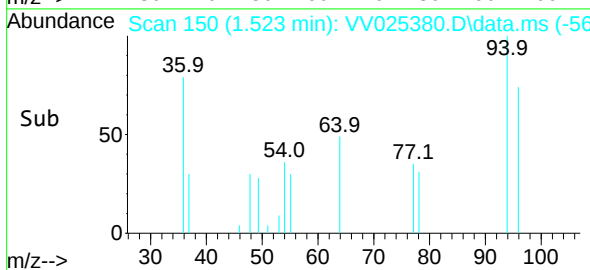
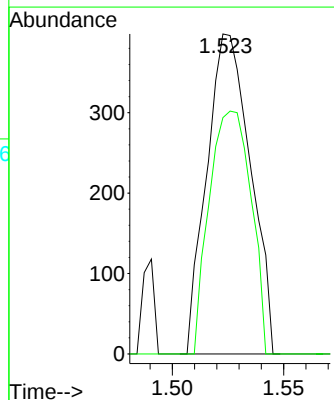
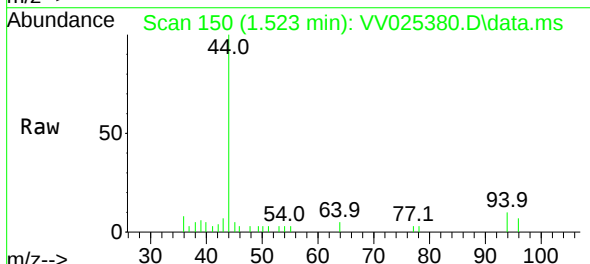
Instrument :
MSVOA_V
ClientSampleId :
BFY41

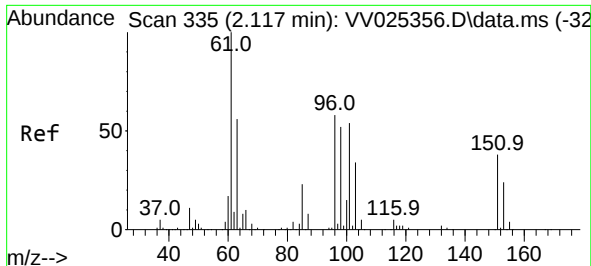
Tgt Ion: 50 Resp: 955
Ion Ratio Lower Upper
50 100
52 29.2 22.9 42.5



#6
Bromomethane
Concen: 0.041 ug/L
RT: 1.523 min Scan# 150
Delta R.T. 0.003 min
Lab File: VV025380.D
Acq: 07 Apr 2022 12:54

Tgt Ion: 94 Resp: 543
Ion Ratio Lower Upper
94 100
96 73.9 65.5 121.7





#12

1,1-Dichloroethene

Concen: 0.384 ug/L

RT: 2.114 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV025380.D

Acq: 07 Apr 2022 12:54

Instrument :

MSVOA_V

ClientSampleId :

BFY41

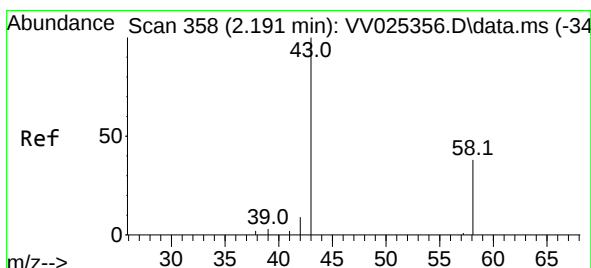
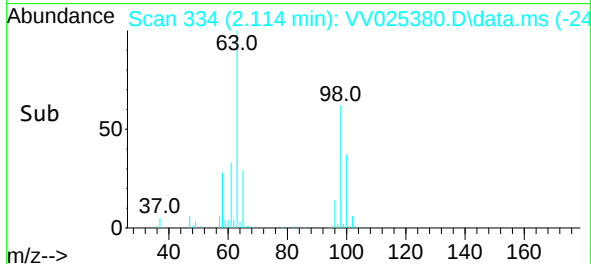
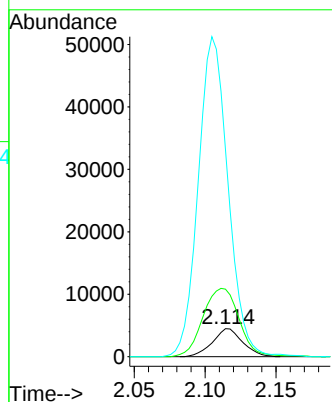
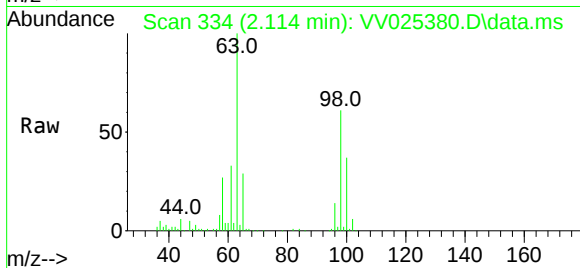
Tgt Ion: 96 Resp: 6621

Ion Ratio Lower Upper

96 100

61 240.9 121.5 225.7#

63 738.1 77.9 144.7#



#13

Acetone

Concen: 4.671 ug/L

RT: 2.227 min Scan# 369

Delta R.T. 0.036 min

Lab File: VV025380.D

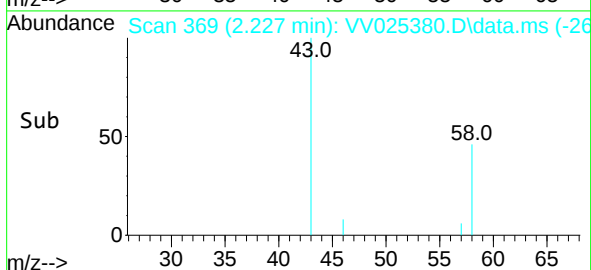
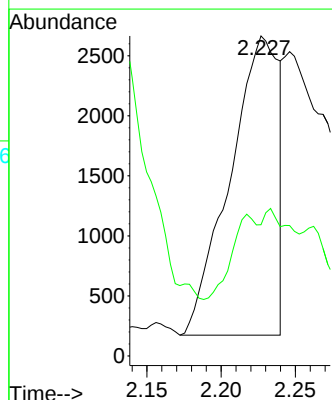
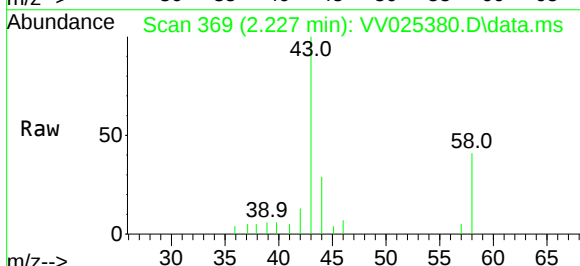
Acq: 07 Apr 2022 12:54

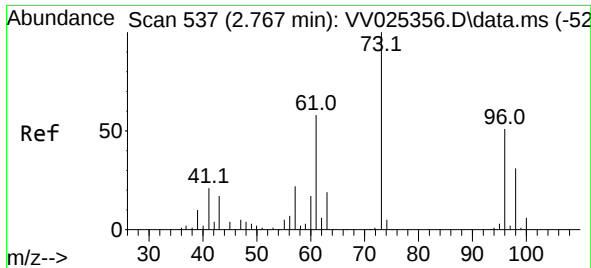
Tgt Ion: 43 Resp: 5680

Ion Ratio Lower Upper

43 100

58 0.0 0.0 51.2

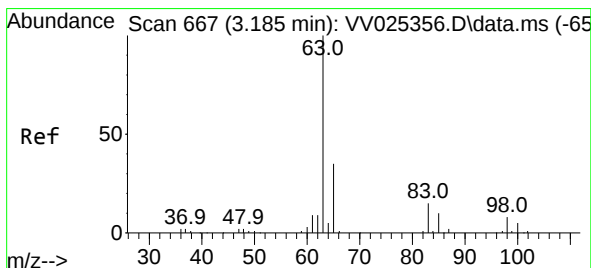
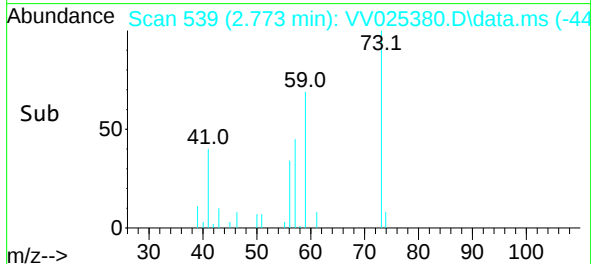
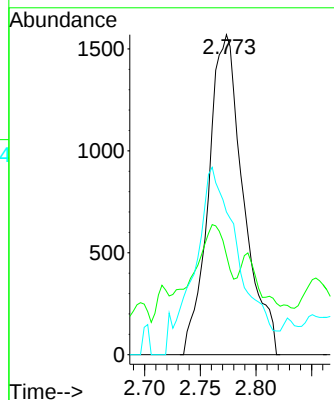
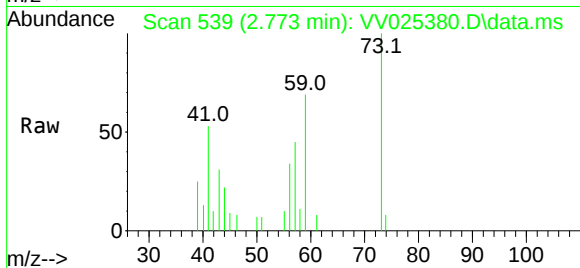




#17
Methyl tert-butyl Ether
Concen: 0.157 ug/L
RT: 2.773 min Scan# 51
Delta R.T. 0.007 min
Lab File: VV025380.D
Acq: 07 Apr 2022 12:54

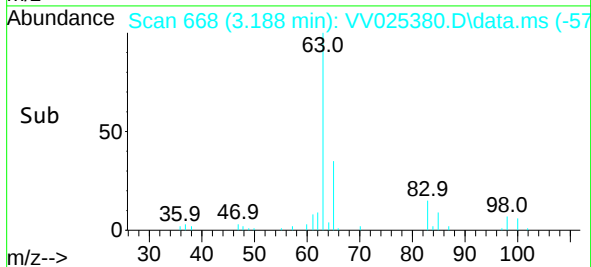
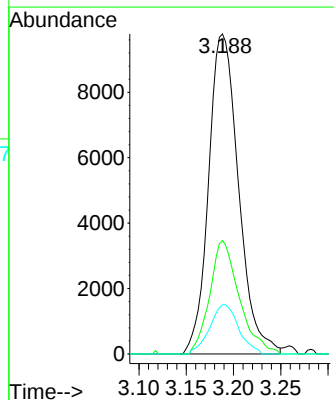
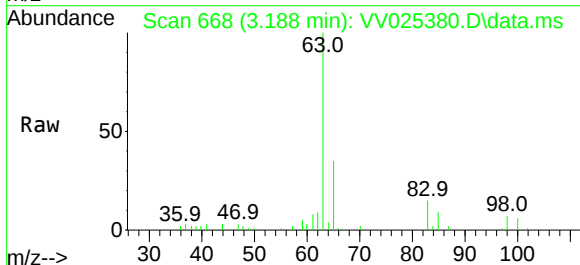
Instrument :
MSVOA_V
ClientSampleId :
BFY41

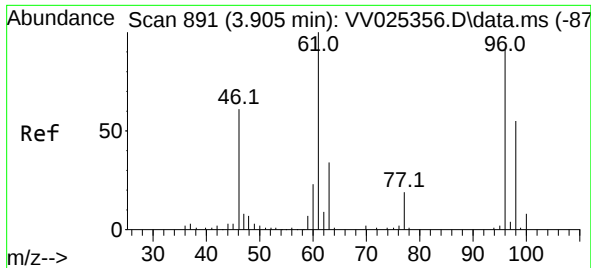
Tgt Ion: 73 Resp: 3414
Ion Ratio Lower Upper
73 100
43 27.9 13.5 20.3#
57 75.2 16.4 24.6#



#19
1,1-Dichloroethane
Concen: 1.043 ug/L
RT: 3.188 min Scan# 668
Delta R.T. 0.003 min
Lab File: VV025380.D
Acq: 07 Apr 2022 12:54

Tgt Ion: 63 Resp: 21557
Ion Ratio Lower Upper
63 100
65 35.4 22.0 40.8
83 15.4 10.2 19.0

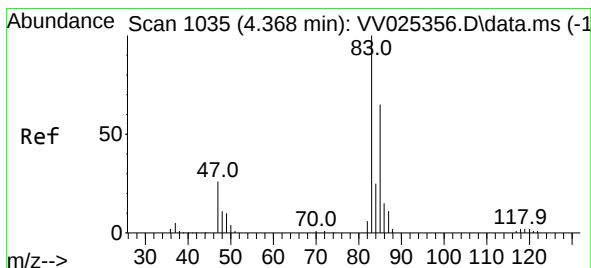
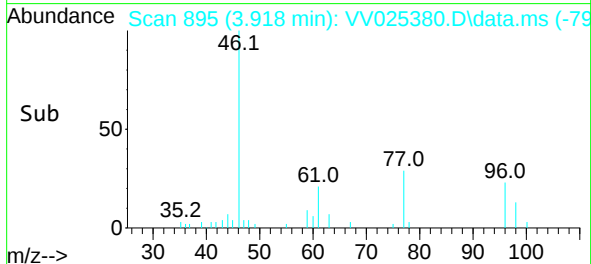
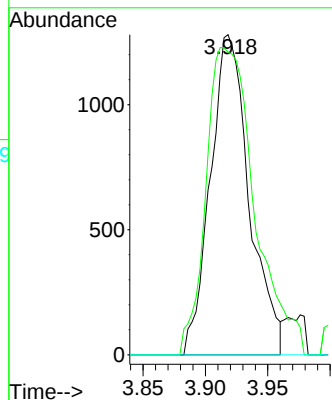
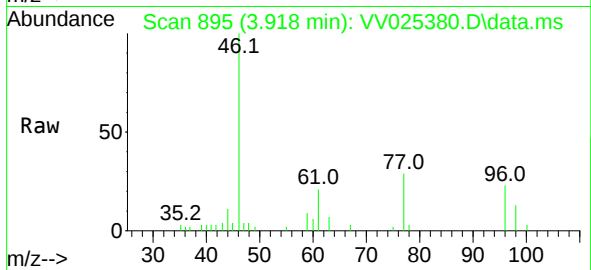




#22
 cis-1,2-Dichloroethene
 Concen: 0.221 ug/L
 RT: 3.918 min Scan# 891
 Delta R.T. 0.013 min
 Lab File: VV025380.D
 Acq: 07 Apr 2022 12:54

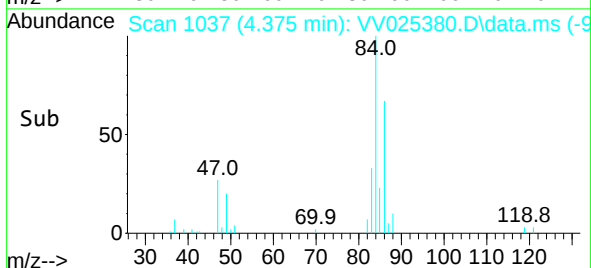
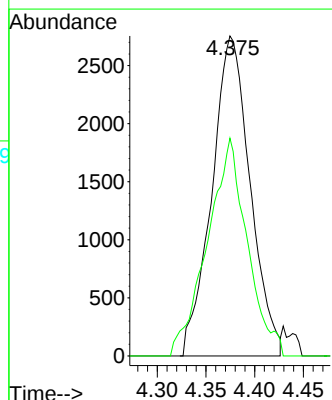
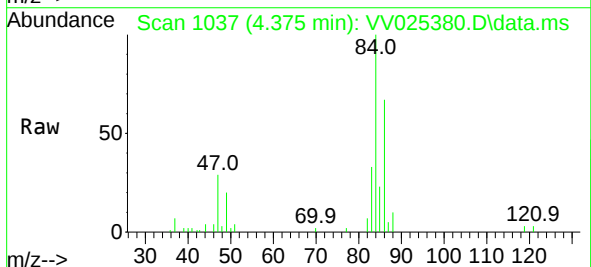
Instrument :
 MSVOA_V
 ClientSampleId :
 BFY41

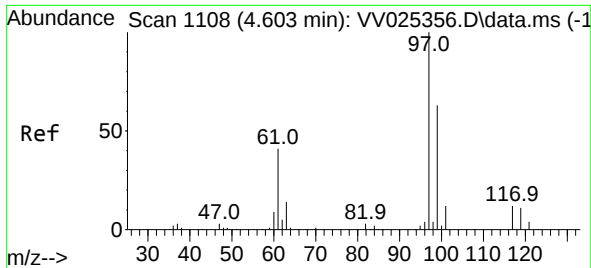
Tgt Ion: 96 Resp: 2777
 Ion Ratio Lower Upper
 96 100
 61 94.5 84.1 156.1
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.329 ug/L
 RT: 4.375 min Scan# 1037
 Delta R.T. 0.007 min
 Lab File: VV025380.D
 Acq: 07 Apr 2022 12:54

Tgt Ion: 83 Resp: 7533
 Ion Ratio Lower Upper
 83 100
 85 68.1 44.7 82.9





#29

1,1,1-Trichloroethane

Concen: 0.168 ug/L

RT: 4.603 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VV025380.D

Acq: 07 Apr 2022 12:54

Instrument :

MSVOA_V

ClientSampleId :

BFY41

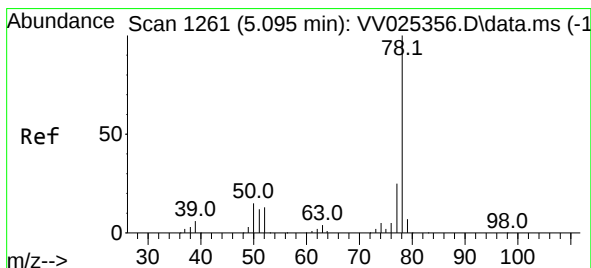
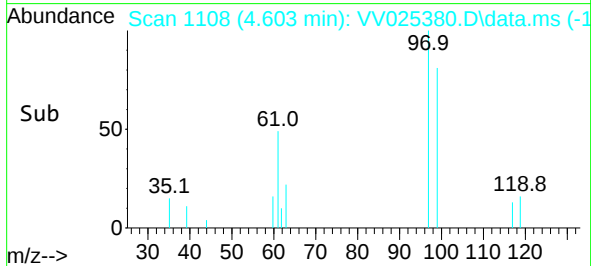
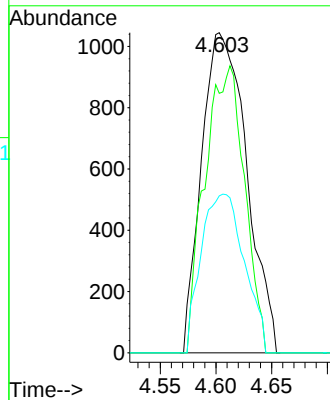
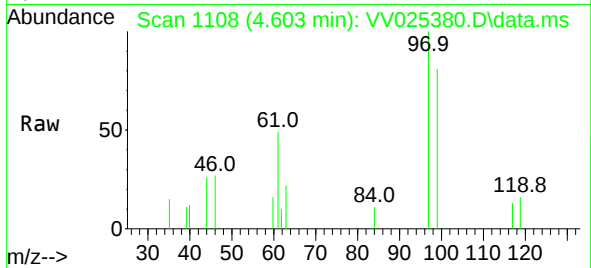
Tgt Ion: 97 Resp: 2945

Ion Ratio Lower Upper

97 100

99 78.9 51.9 77.9#

61 47.4 34.2 51.2



#33

Benzene

Concen: 0.247 ug/L

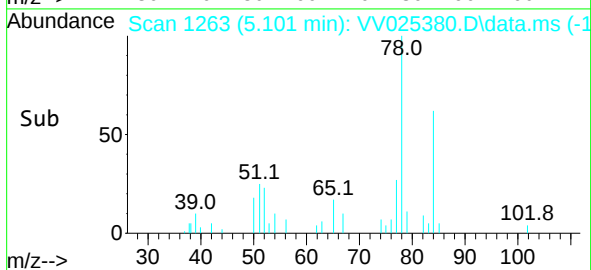
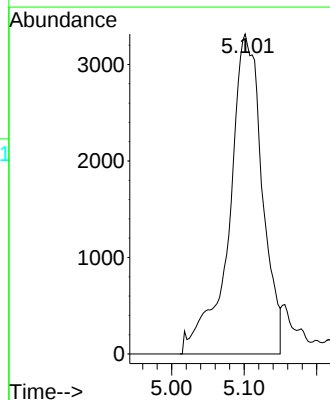
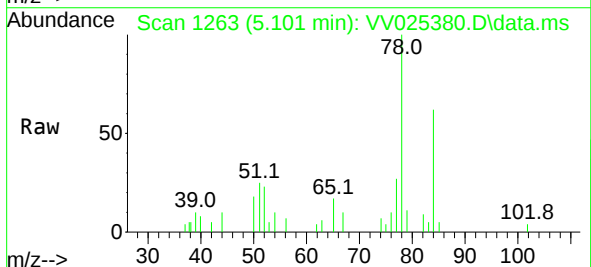
RT: 5.101 min Scan# 1263

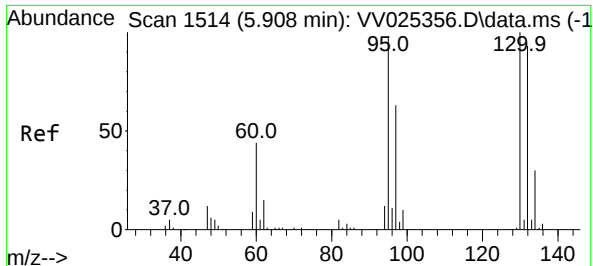
Delta R.T. 0.007 min

Lab File: VV025380.D

Acq: 07 Apr 2022 12:54

Tgt Ion: 78 Resp: 10494



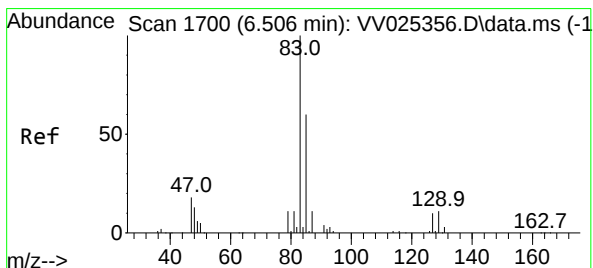
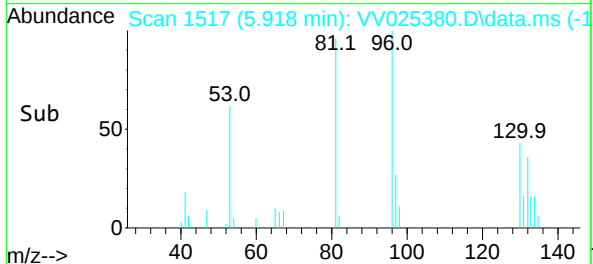
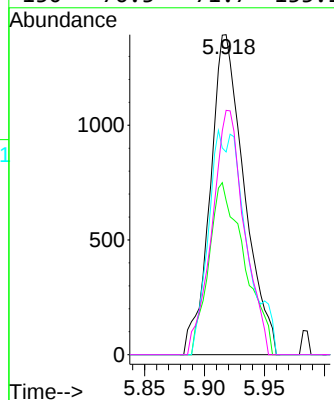
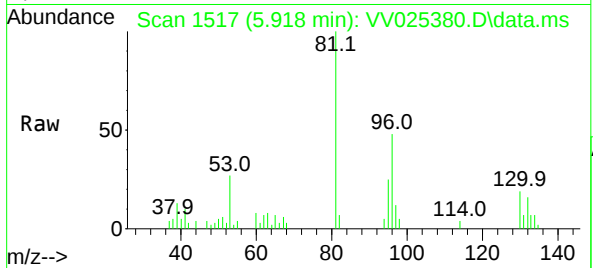


#34
Trichloroethene
Concen: 0.236 ug/L
RT: 5.918 min Scan# 11
Delta R.T. 0.010 min
Lab File: VV025380.D
Acq: 07 Apr 2022 12:54

Instrument :
MSVOA_V
ClientSampleId :
BFY41

Tgt Ion: 95 Resp: 2752

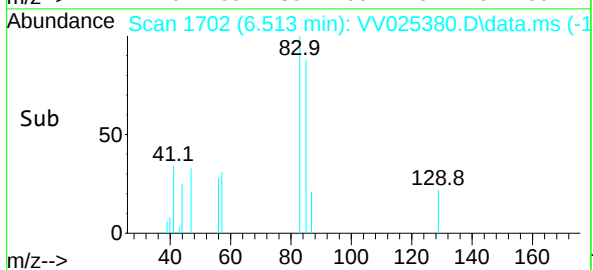
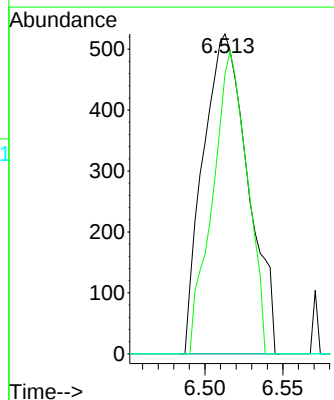
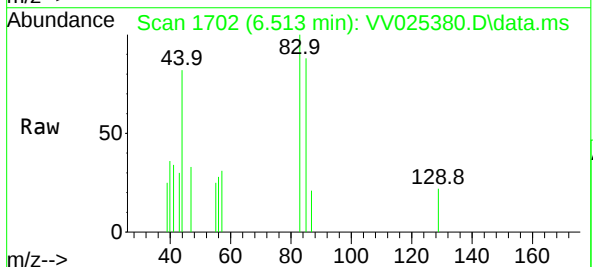
Ion	Ratio	Lower	Upper
95	100		
97	48.2	46.3	85.9
132	63.4	65.2	121.2#
130	76.3	71.7	133.1

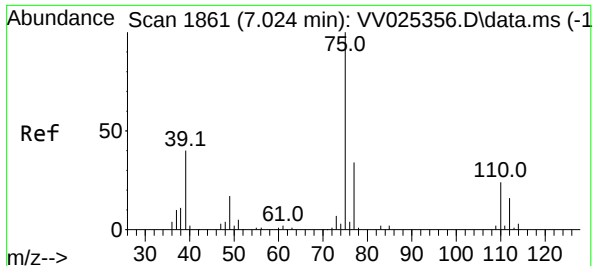


#38
Bromodichloromethane
Concen: 0.084 ug/L
RT: 6.513 min Scan# 1702
Delta R.T. 0.007 min
Lab File: VV025380.D
Acq: 07 Apr 2022 12:54

Tgt Ion: 83 Resp: 1050

Ion	Ratio	Lower	Upper
83	100		
85	87.6	47.2	87.6
127	0.0	7.2	10.8#





#39

cis-1,3-Dichloropropene

Concen: 0.092 ug/L

RT: 6.982 min Scan# 11

Delta R.T. -0.042 min

Lab File: VV025380.D

Acq: 07 Apr 2022 12:54

Instrument :

MSVOA_V

ClientSampleId :

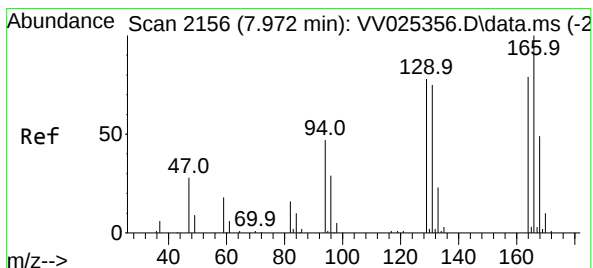
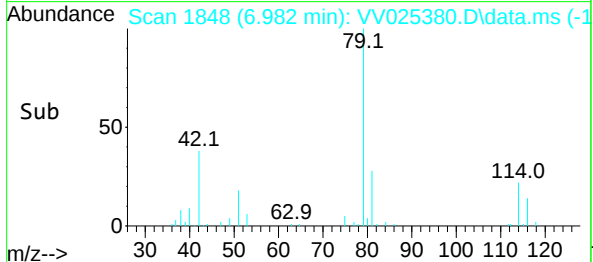
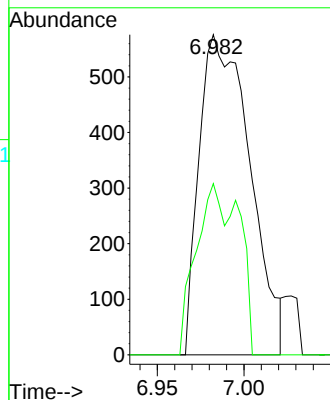
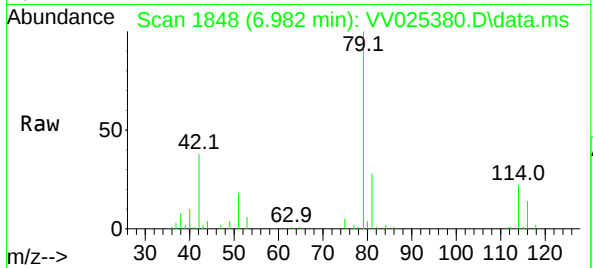
BFY41

Tgt Ion: 75 Resp: 1171

Ion Ratio Lower Upper

75 100

77 53.5 22.1 41.1#



#47

Tetrachloroethene

Concen: 0.323 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.003 min

Lab File: VV025380.D

Acq: 07 Apr 2022 12:54

Tgt Ion:164 Resp: 2779

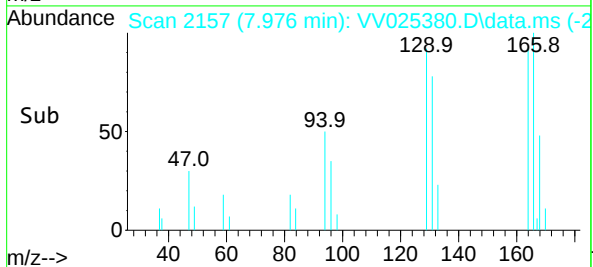
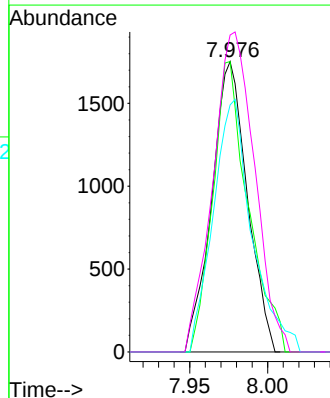
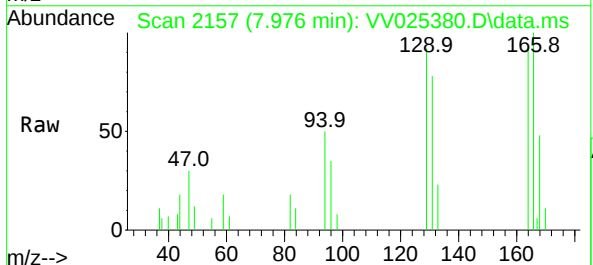
Ion Ratio Lower Upper

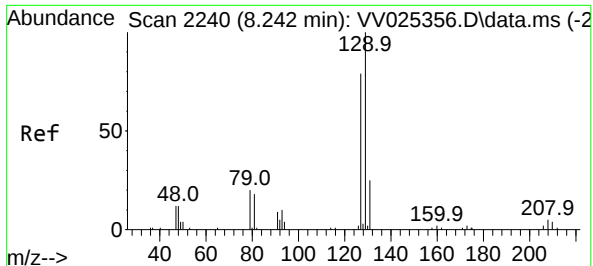
164 100

129 100.0 67.5 125.4

131 85.1 68.0 126.4

166 109.2 86.2 160.2





#49

Dibromochloromethane

Concen: 0.100 ug/L

RT: 8.246 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV025380.D

Acq: 07 Apr 2022 12:54

Instrument :

MSVOA_V

ClientSampleId :

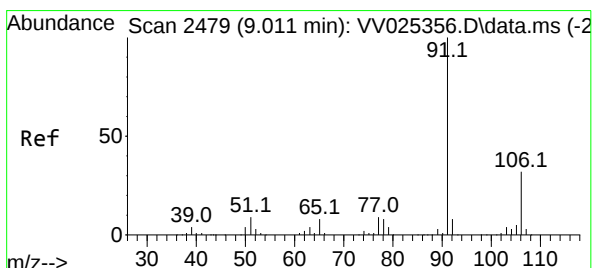
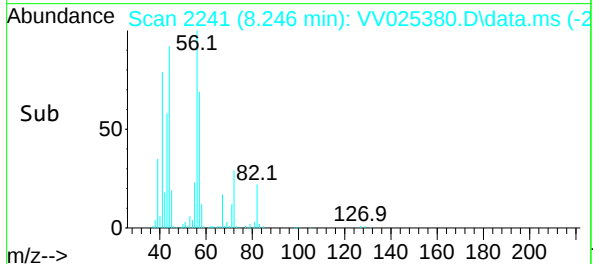
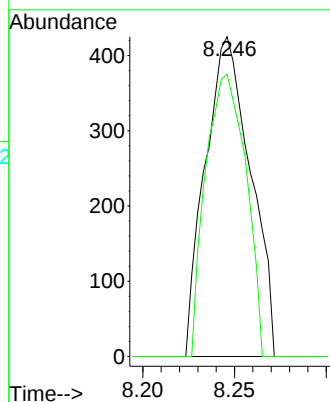
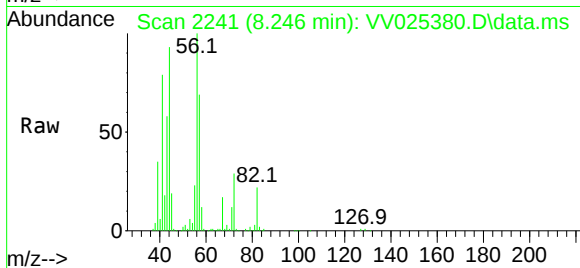
BFY41

Tgt Ion:129 Resp: 727

Ion Ratio Lower Upper

129 100

127 88.2 54.1 100.5



#52

Ethylbenzene

Concen: 0.039 ug/L

RT: 9.021 min Scan# 2482

Delta R.T. 0.010 min

Lab File: VV025380.D

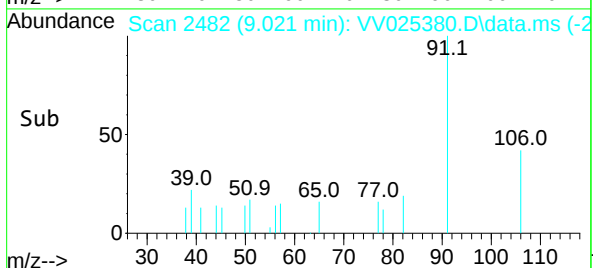
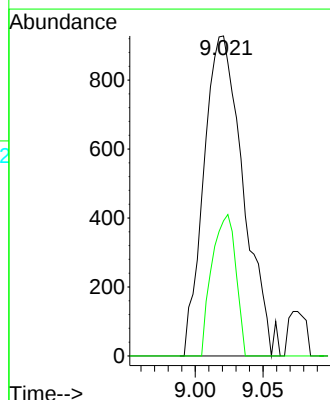
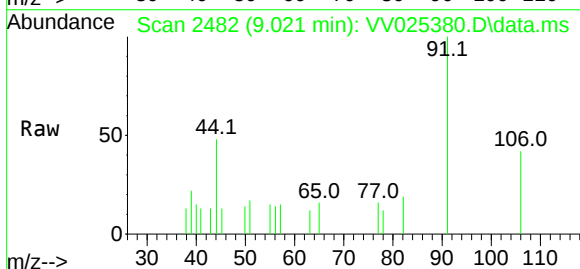
Acq: 07 Apr 2022 12:54

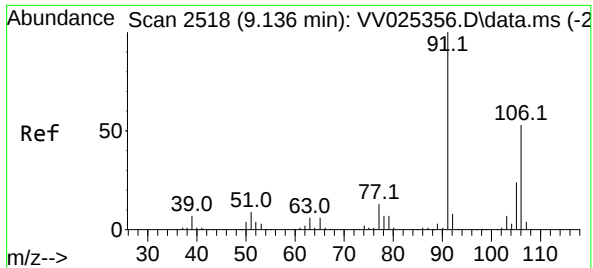
Tgt Ion: 91 Resp: 1877

Ion Ratio Lower Upper

91 100

106 42.2 21.7 40.3#

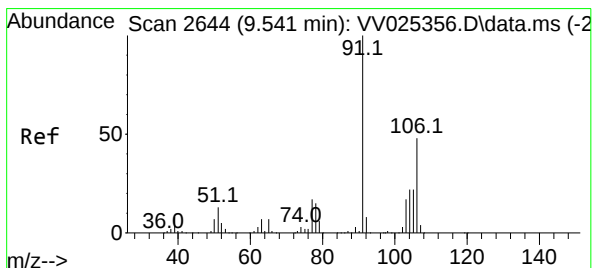
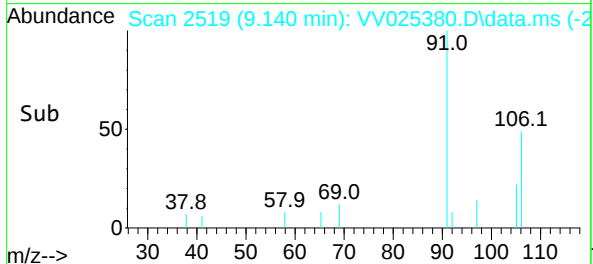
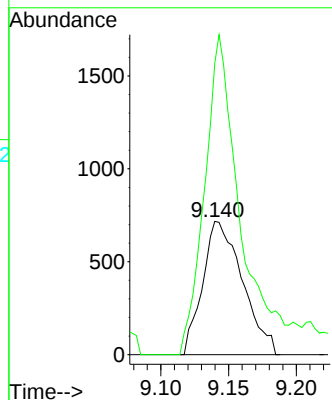
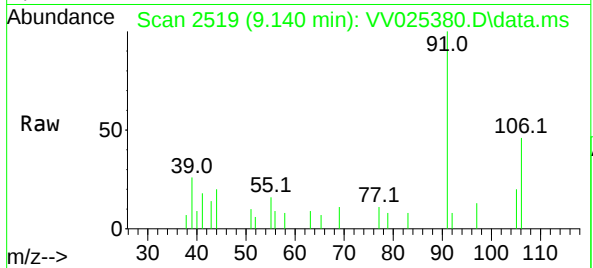




#53
m,p-Xylene
Concen: 0.078 ug/L
RT: 9.140 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV025380.D
Acq: 07 Apr 2022 12:54

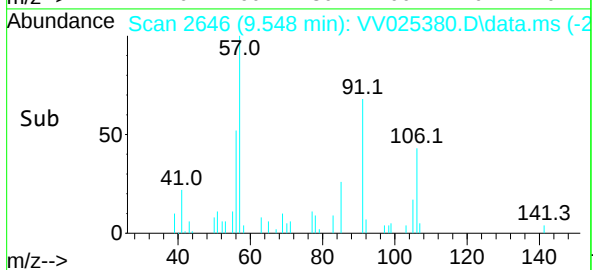
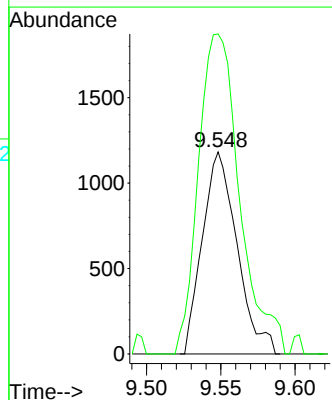
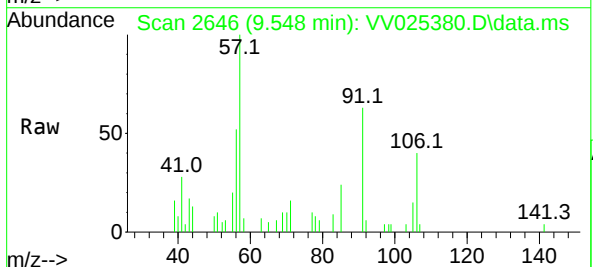
Instrument :
MSVOA_V
ClientSampleId :
BFY41

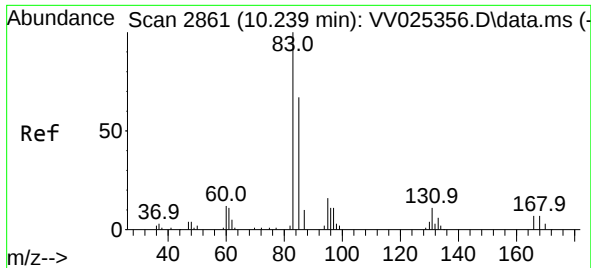
Tgt Ion:106 Resp: 1463
Ion Ratio Lower Upper
106 100
91 218.7 136.8 254.0



#54
o-Xylene
Concen: 0.107 ug/L
RT: 9.548 min Scan# 2646
Delta R.T. 0.007 min
Lab File: VV025380.D
Acq: 07 Apr 2022 12:54

Tgt Ion:106 Resp: 1920
Ion Ratio Lower Upper
106 100
91 158.3 143.0 265.6

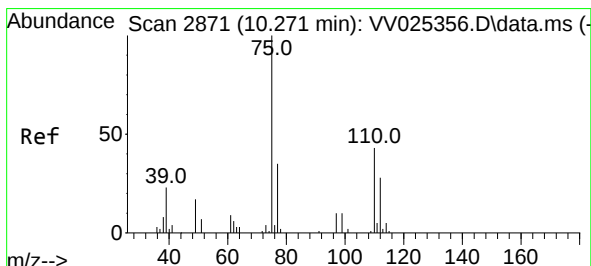
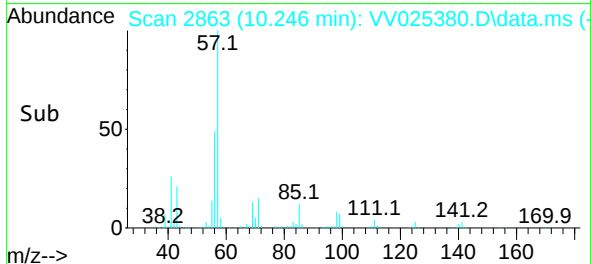
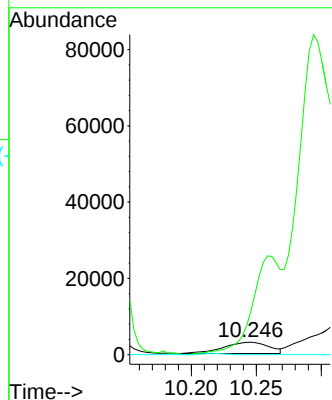
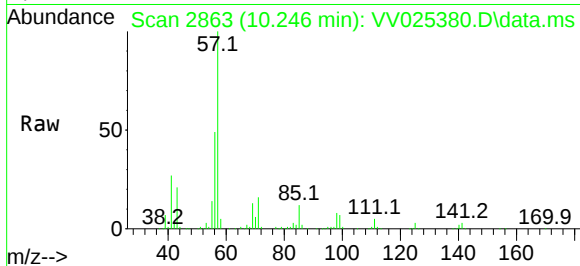




#57
 1,1,2,2-Tetrachloroethane
 Concen: 1.020 ug/L
 RT: 10.246 min Scan# 21
 Delta R.T. 0.007 min
 Lab File: VV025380.D
 Acq: 07 Apr 2022 12:54

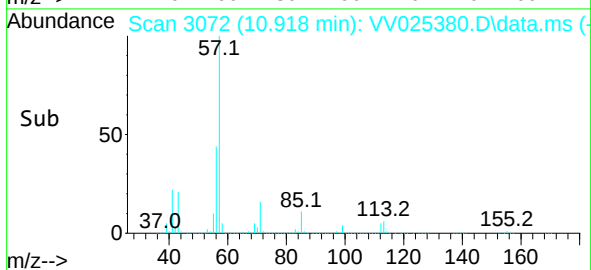
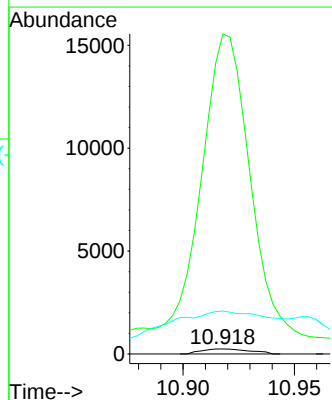
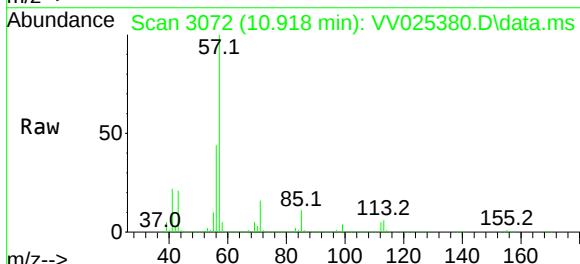
Instrument :
 MSVOA_V
 ClientSampleId :
 BFY41

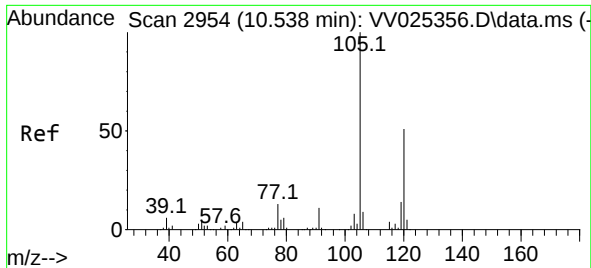
Tgt Ion: 83 Resp: 7168
 Ion Ratio Lower Upper
 83 100
 85 349.6 46.2 85.8#
 131 0.0 8.1 12.1#



#61
 1,2,3-Trichloropropane
 Concen: 0.071 ug/L
 RT: 10.918 min Scan# 3072
 Delta R.T. 0.646 min
 Lab File: VV025380.D
 Acq: 07 Apr 2022 12:54

Tgt Ion: 75 Resp: 364
 Ion Ratio Lower Upper
 75 100
 77 7138.5 25.8 38.6#
 110 1508.8 31.6 47.4#





#62

1,3,5-Trimethylbenzene

Concen: 0.464 ug/L

RT: 10.918 min Scan# 3072

Delta R.T. 0.380 min

Lab File: VV025380.D

Acq: 07 Apr 2022 12:54

Instrument :

MSVOA_V

ClientSampleId :

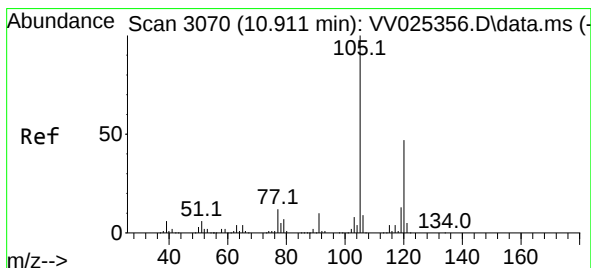
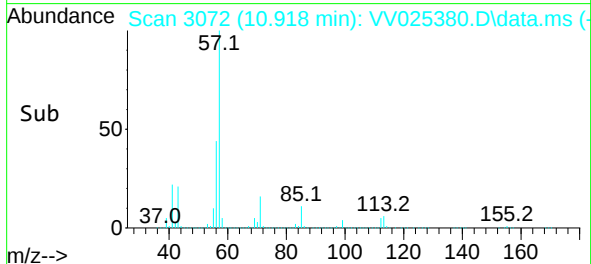
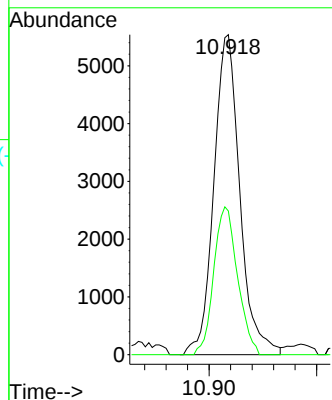
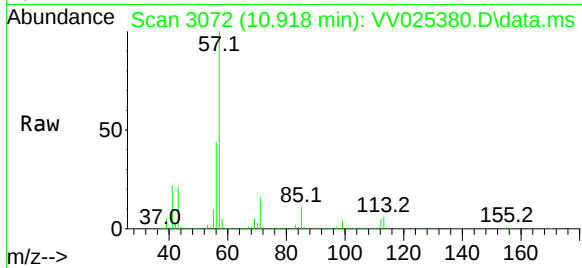
BFY41

Tgt Ion:105 Resp: 9291

Ion Ratio Lower Upper

105 100

120 42.3 39.7 59.5



#63

1,2,4-Trimethylbenzene

Concen: 0.260 ug/L

RT: 10.918 min Scan# 3072

Delta R.T. 0.007 min

Lab File: VV025380.D

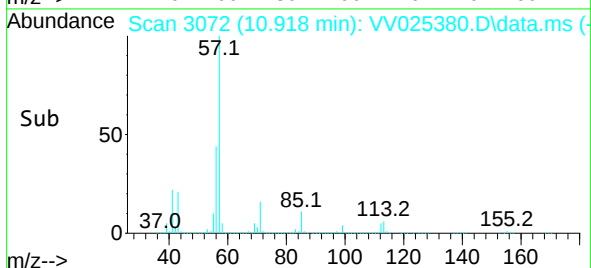
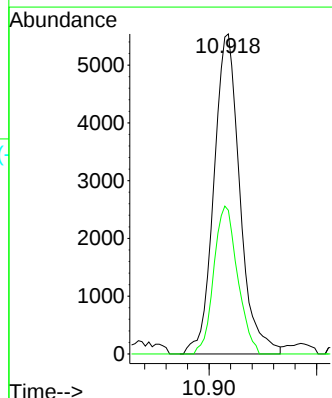
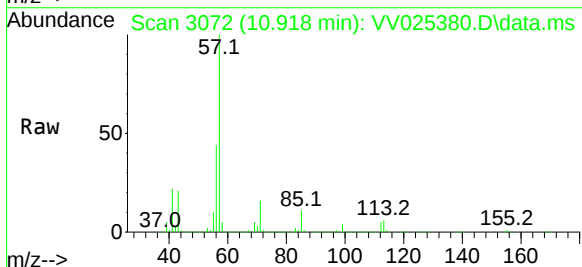
Acq: 07 Apr 2022 12:54

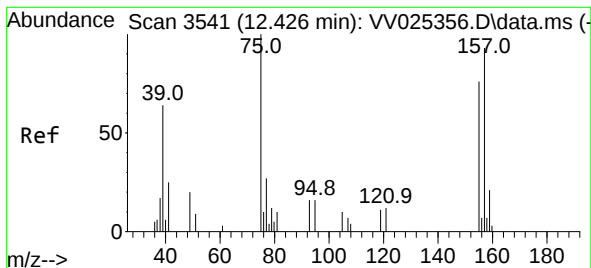
Tgt Ion:105 Resp: 9291

Ion Ratio Lower Upper

105 100

120 42.3 36.5 54.7

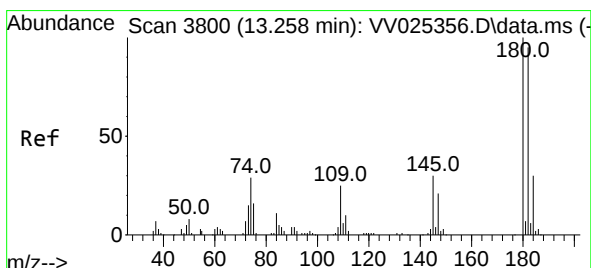
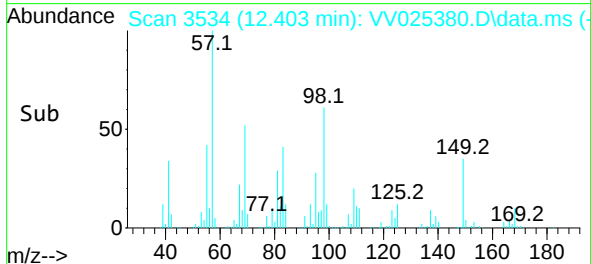
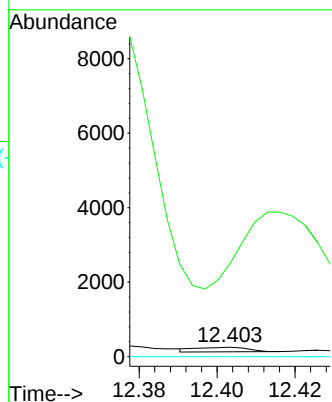
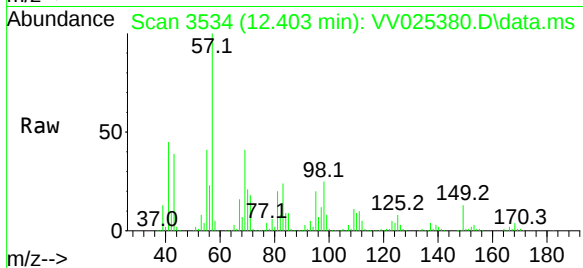




#68
 1,2-Dibromo-3-chloropropane
 Concen: 0.126 ug/L
 RT: 12.403 min Scan# 311
 Delta R.T. -0.022 min
 Lab File: VV025380.D
 Acq: 07 Apr 2022 12:54

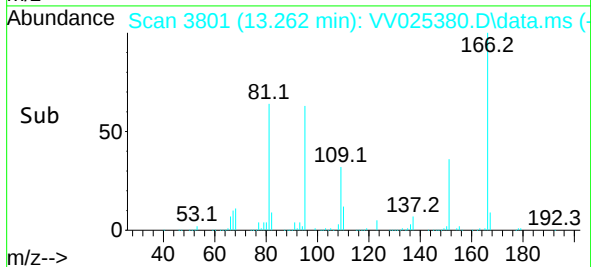
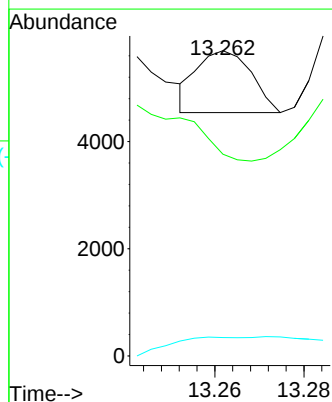
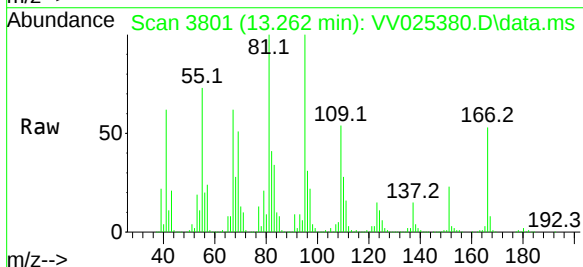
Instrument :
 MSVOA_V
 ClientSampleId :
 BFY41

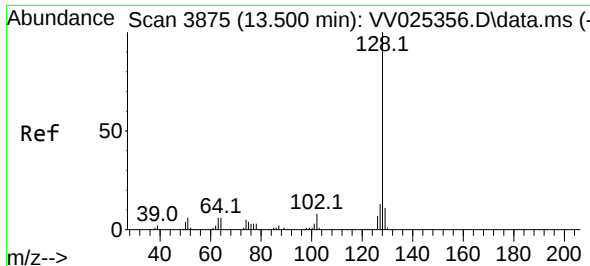
Tgt Ion: 75 Resp: 115
 Ion Ratio Lower Upper
 75 100
 155 985.8 80.0 120.0#
 157 0.0 94.5 141.7#



#70
 1,2,4-trichlorobenzene
 Concen: 0.086 ug/L
 RT: 13.262 min Scan# 3801
 Delta R.T. 0.003 min
 Lab File: VV025380.D
 Acq: 07 Apr 2022 12:54

Tgt Ion:180 Resp: 977
 Ion Ratio Lower Upper
 180 100
 182 0.0 77.5 116.3#
 145 38.7 26.2 39.4

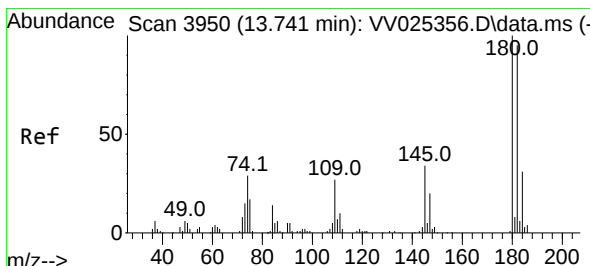
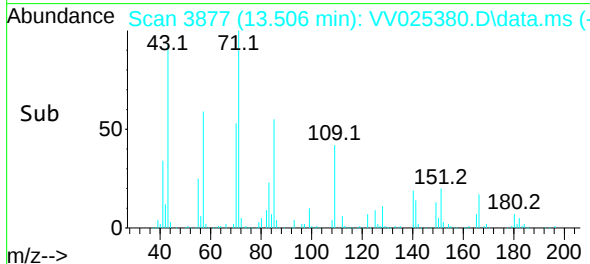
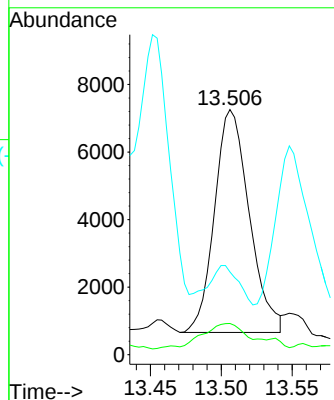
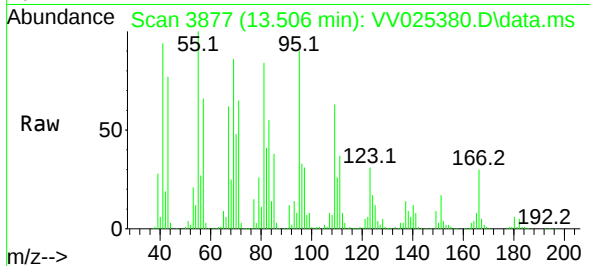




#71
Naphthalene
Concen: 0.637 ug/L
RT: 13.506 min Scan# 3875
Delta R.T. 0.007 min
Lab File: VV025380.D
Acq: 07 Apr 2022 12:54

Instrument :
MSVOA_V
ClientSampleId :
BFY41

Tgt Ion:128 Resp: 11291
Ion Ratio Lower Upper
128 100
129 12.7 8.8 13.2
127 27.5 10.6 16.0#



#72
1,2,3-Trichlorobenzene
Concen: 2.764 ug/L
RT: 13.767 min Scan# 3958
Delta R.T. 0.026 min
Lab File: VV025380.D
Acq: 07 Apr 2022 12:54

Tgt Ion:180 Resp: 27109
Ion Ratio Lower Upper
180 100
182 6.4 75.8 113.6#
145 2.2 28.6 42.8#

