

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW040722\
 Data File : VW025382.D
 Acq On : 07 Apr 2022 13:41
 Operator : SY/MD
 Sample : N2261-07
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFY43

Quant Time: Apr 08 01:21:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032622WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Apr 08 01:19:10 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.658	114	195707	5.000	ug/L	0.05
28) Chlorobenzene-d5	8.860	117	181893	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	92973	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.298	65	92511	5.061	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.200%
7) Chloroethane-d5	1.568	69	79206	5.162	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.200%
11) 1,1-Dichloroethene-d2	2.130	63	148164	3.742	ug/L	0.02
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.800%
20) 2-Butanone-d5	3.989	46	246838	135.553	ug/L	0.11
Spiked Amount	50.000	Range	40 - 130	Recovery	=	271.100%#
24) Chloroform-d	4.359	84	123568	5.180	ug/L	0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.600%
26) 1,2-Dichloroethane-d4	5.056	65	54300	5.149	ug/L	0.03
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.000%
32) Benzene-d6	5.063	84	238398	5.181	ug/L	0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.600%
36) 1,2-Dichloropropane-d6	6.104	67	69853	5.416	ug/L	0.04
Spiked Amount	5.000	Range	60 - 140	Recovery	=	108.400%
41) Toluene-d8	7.336	98	205910	4.878	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.600%
43) trans-1,3-Dichloroprop...	7.641	79	21223	5.044	ug/L	0.02
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.800%
46) 2-Hexanone-d5	8.111	63	91891	60.475	ug/L	0.03
Spiked Amount	50.000	Range	45 - 130	Recovery	=	120.960%
56) 1,1,2,2-Tetrachloroeth...	10.220	84	48906	5.687	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.800%
66) 1,2-Dichlorobenzene-d4	11.625	152	79966	5.355	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.200%
Target Compounds						
					Qvalue	
3) Chloromethane	1.233	50	2263	0.098	ug/L #	77
12) 1,1-Dichloroethene	2.140	96	32552	1.652	ug/L #	44
13) Acetone	2.281	43	22364	16.095	ug/L	90
15) Methyl Acetate	2.281	43	22364	7.070	ug/L #	49
17) Methyl tert-butyl Ether	2.802	73	8075	0.324	ug/L #	94
19) 1,1-Dichloroethane	3.198	63	197581	8.369	ug/L	98
21) 2-Butanone	4.076	43	6167	3.225	ug/L	82
22) cis-1,2-Dichloroethene	3.918	96	2781	0.194	ug/L	85
25) Chloroform	4.384	83	6594	0.252	ug/L	89
29) 1,1,1-Trichloroethane	4.606	97	11063	0.503	ug/L	97
31) Carbon tetrachloride	4.616	117	1321	0.069	ug/L	87
33) Benzene	5.121	78	17840	0.334	ug/L	100
34) Trichloroethene	5.950	95	20174	1.377	ug/L	94
35) Methylcyclohexane	6.104	83	17618	0.767	ug/L #	32
39) cis-1,3-Dichloropropene	7.011	75	1883	0.117	ug/L #	70
42) Toluene	7.410	91	35913	0.631	ug/L	100
47) Tetrachloroethene	7.989	164	4632	0.429	ug/L	95
49) Dibromochloromethane	7.989	129	4447	0.488	ug/L #	11
53) m,p-Xylene	9.149	106	1210	0.051	ug/L	93

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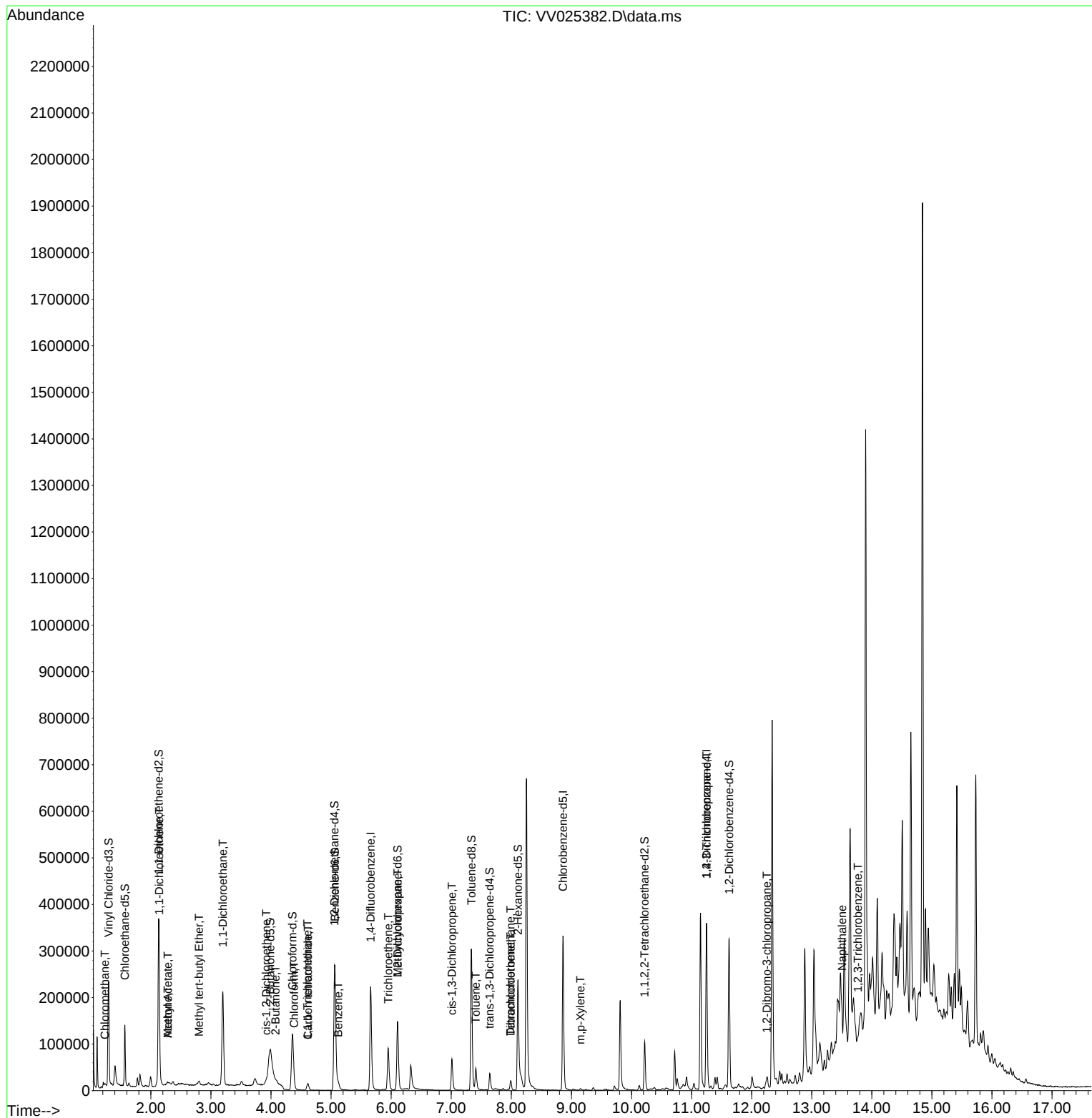
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 1,2,3-Trichloropropane	11.249	75	11465	1.630	ug/L #	65
68) 1,2-Dibromo-3-chloropr...	12.252	75	221	0.175	ug/L #	1
71) Naphthalene	13.506	128	2800	0.114	ug/L #	34
72) 1,2,3-Trichlorobenzene	13.767	180	2623	0.194	ug/L #	24

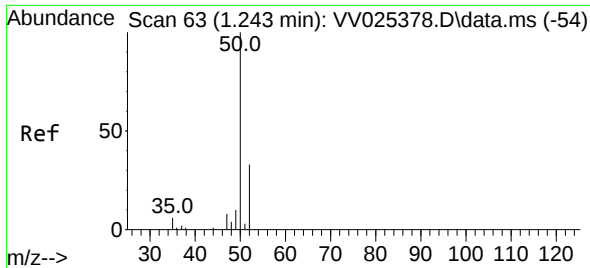
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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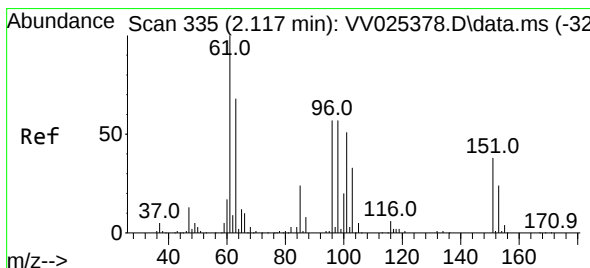
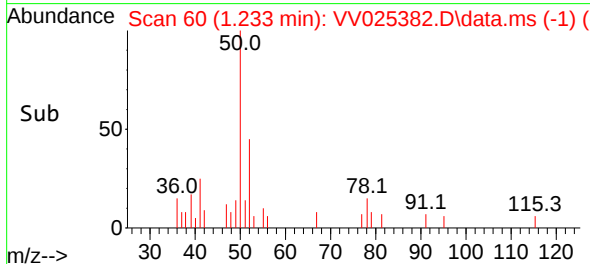
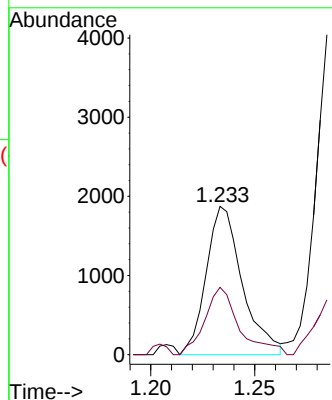
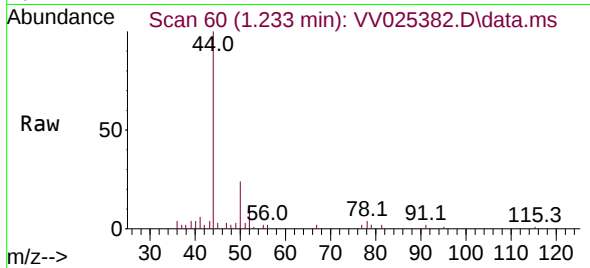




#3
Chloromethane
Concen: 0.098 ug/L
RT: 1.233 min Scan# 60
Delta R.T. -0.010 min
Lab File: VV025382.D
Acq: 07 Apr 2022 13:41

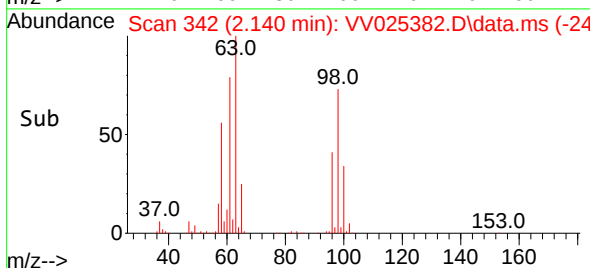
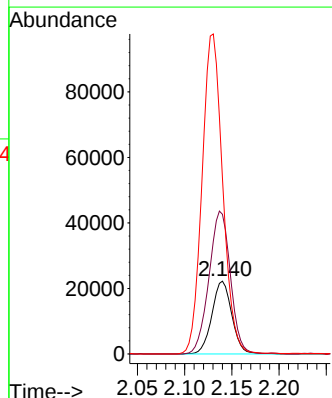
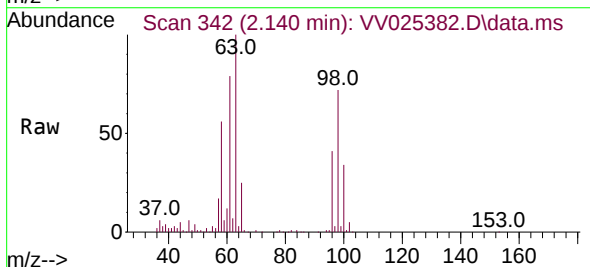
Instrument :
MSVOA_V
ClientSampleId :
BFY43

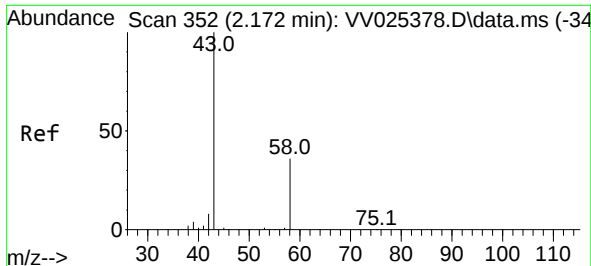
Tgt Ion: 50 Resp: 2263
Ion Ratio Lower Upper
50 100
52 45.4 22.9 42.5#



#12
1,1-Dichloroethene
Concen: 1.652 ug/L
RT: 2.140 min Scan# 342
Delta R.T. 0.023 min
Lab File: VV025382.D
Acq: 07 Apr 2022 13:41

Tgt Ion: 96 Resp: 32552
Ion Ratio Lower Upper
96 100
61 191.8 121.5 225.7
63 241.9 77.9 144.7#

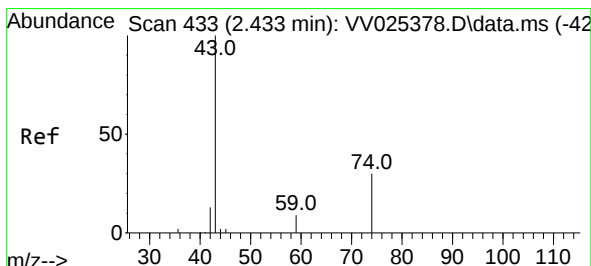
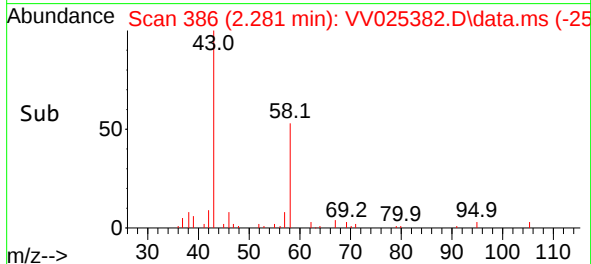
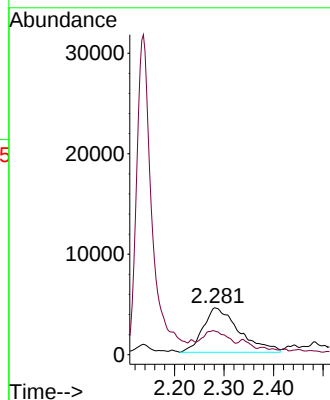
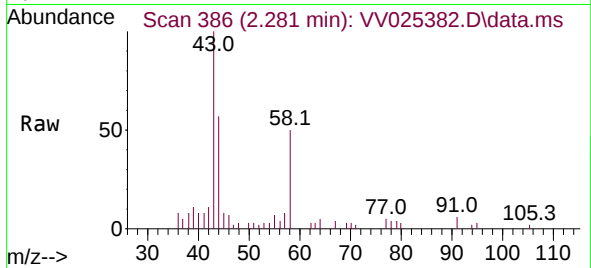




#13
Acetone
Concen: 16.095 ug/L
RT: 2.281 min Scan# 386
Delta R.T. 0.109 min
Lab File: VV025382.D
Acq: 07 Apr 2022 13:41

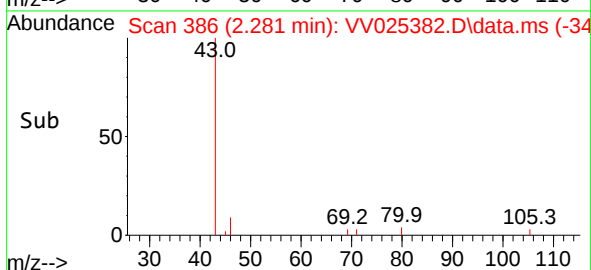
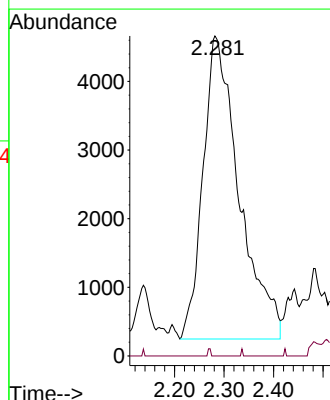
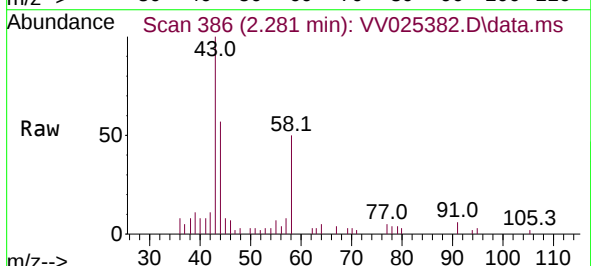
Instrument :
MSVOA_V
ClientSampleId :
BFY43

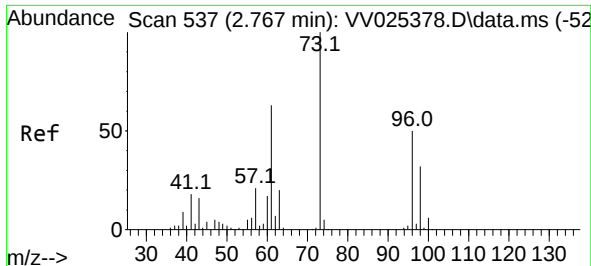
Tgt Ion: 43 Resp: 22364
Ion Ratio Lower Upper
43 100
58 30.4 0.0 51.2



#15
Methyl Acetate
Concen: 7.070 ug/L
RT: 2.281 min Scan# 386
Delta R.T. -0.151 min
Lab File: VV025382.D
Acq: 07 Apr 2022 13:41

Tgt Ion: 43 Resp: 22364
Ion Ratio Lower Upper
43 100
74 0.2 20.9 31.3#





#17

Methyl tert-butyl Ether

Concen: 0.324 ug/L

RT: 2.802 min Scan# 54

Delta R.T. 0.035 min

Lab File: VV025382.D

Acq: 07 Apr 2022 13:41

Instrument :

MSVOA_V

ClientSampleId :

BFY43

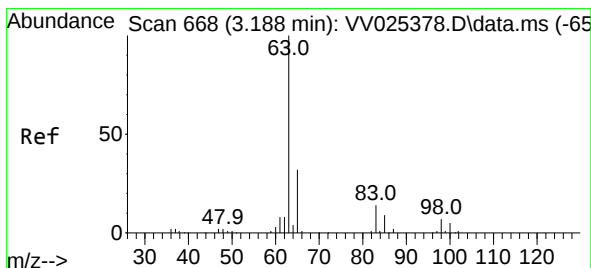
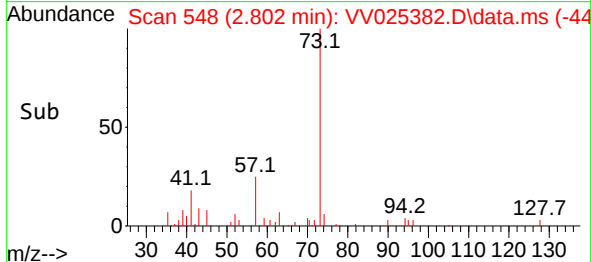
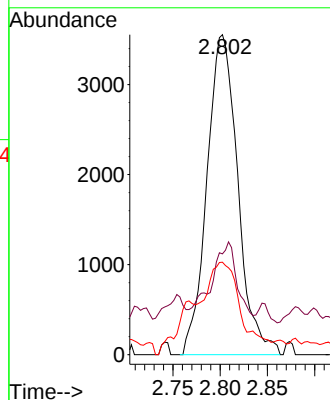
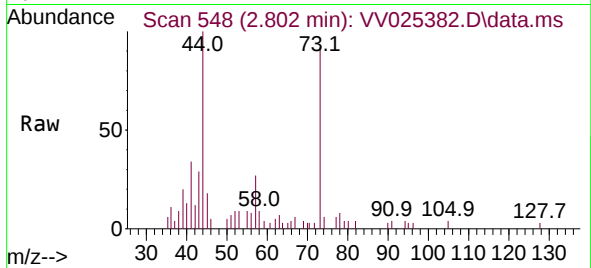
Tgt Ion: 73 Resp: 8075

Ion Ratio Lower Upper

73 100

43 17.7 13.5 20.3

57 24.9 16.4 24.6#



#19

1,1-Dichloroethane

Concen: 8.369 ug/L

RT: 3.198 min Scan# 671

Delta R.T. 0.010 min

Lab File: VV025382.D

Acq: 07 Apr 2022 13:41

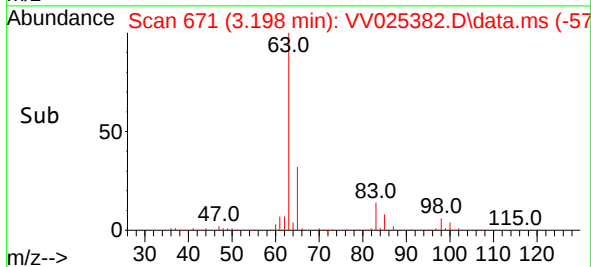
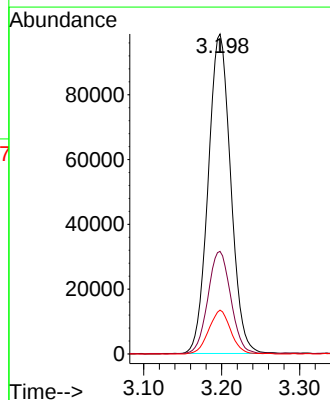
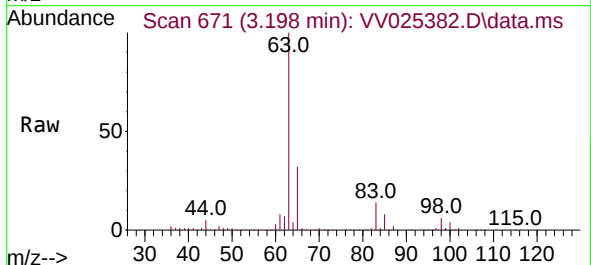
Tgt Ion: 63 Resp: 197581

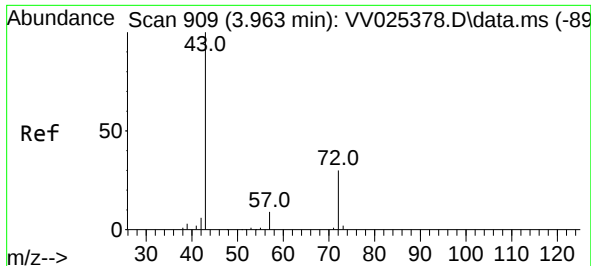
Ion Ratio Lower Upper

63 100

65 32.1 22.0 40.8

83 13.7 10.2 19.0





#21

2-Butanone

Concen: 3.225 ug/L

RT: 4.076 min Scan# 944

Delta R.T. 0.113 min

Lab File: VV025382.D

Acq: 07 Apr 2022 13:41

Instrument :

MSVOA_V

ClientSampleId :

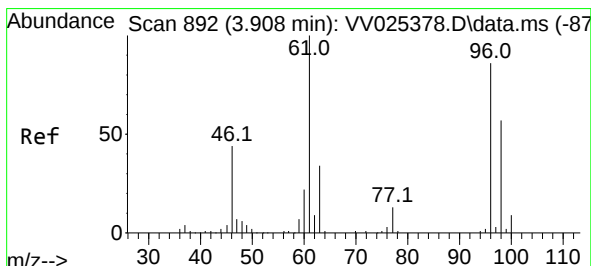
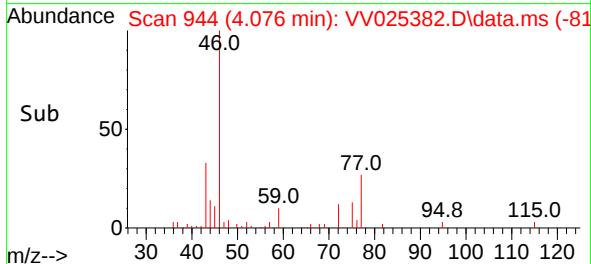
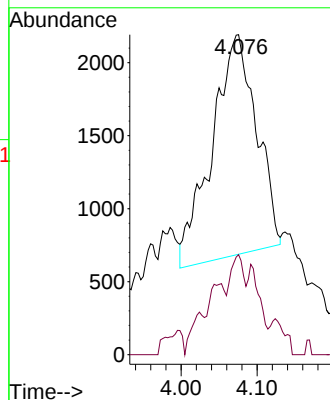
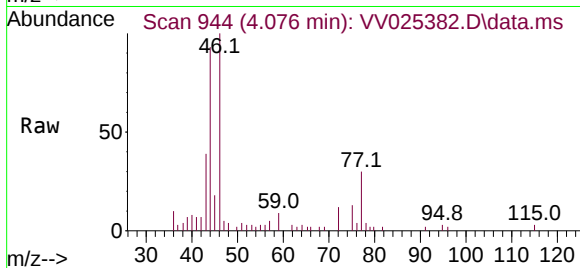
BFY43

Tgt Ion: 43 Resp: 6167

Ion Ratio Lower Upper

43 100

72 14.7 11.8 35.4



#22

cis-1,2-Dichloroethene

Concen: 0.194 ug/L

RT: 3.918 min Scan# 895

Delta R.T. 0.010 min

Lab File: VV025382.D

Acq: 07 Apr 2022 13:41

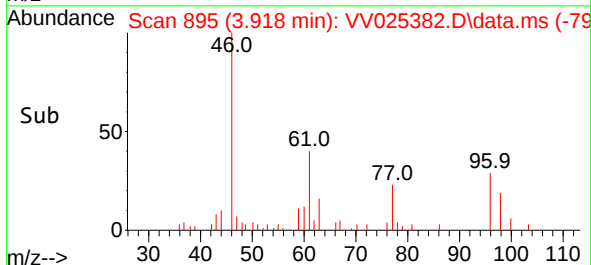
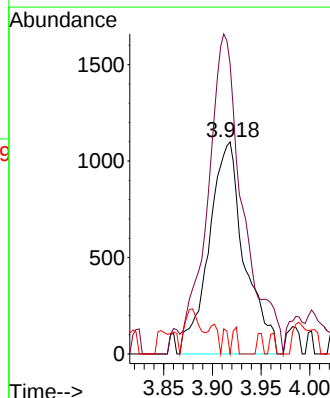
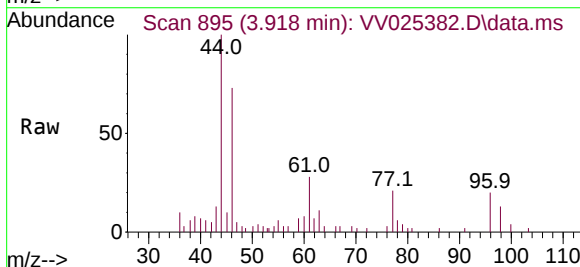
Tgt Ion: 96 Resp: 2781

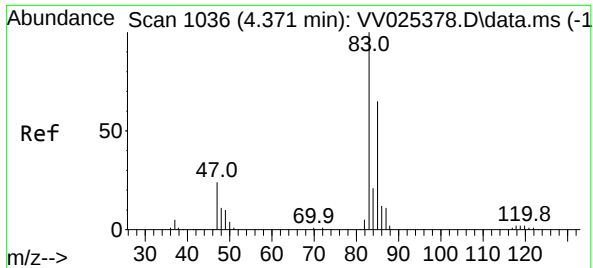
Ion Ratio Lower Upper

96 100

61 136.7 84.1 156.1

68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.252 ug/L

RT: 4.384 min Scan# 1109

Delta R.T. 0.013 min

Lab File: VV025382.D

Acq: 07 Apr 2022 13:41

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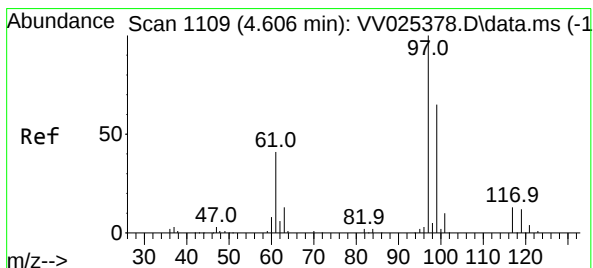
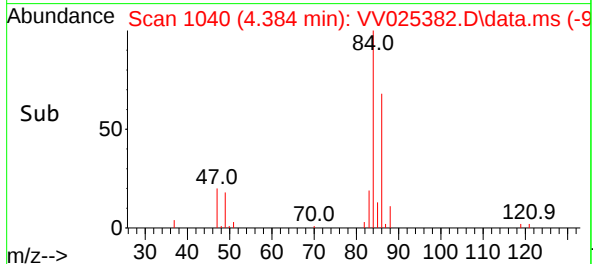
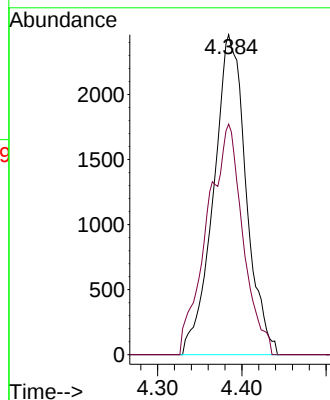
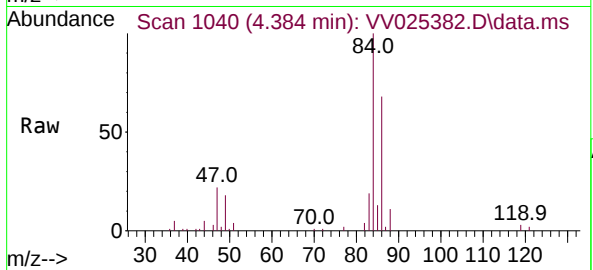
BFY43

Tgt Ion: 83 Resp: 6594

Ion Ratio Lower Upper

83 100

85 72.0 44.7 82.9



#29

1,1,1-Trichloroethane

Concen: 0.503 ug/L

RT: 4.606 min Scan# 1109

Delta R.T. 0.000 min

Lab File: VV025382.D

Acq: 07 Apr 2022 13:41

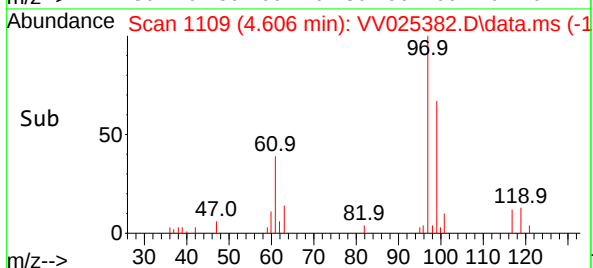
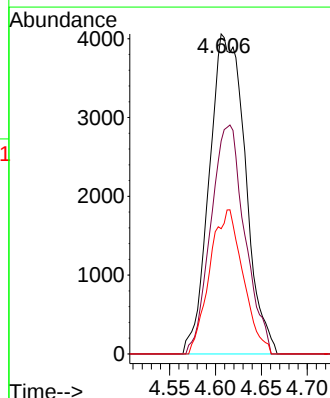
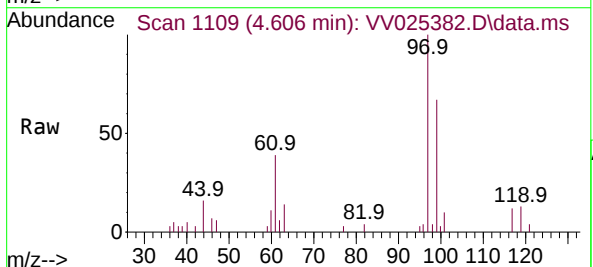
Tgt Ion: 97 Resp: 11063

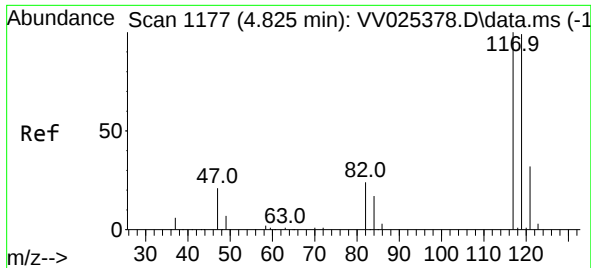
Ion Ratio Lower Upper

97 100

99 67.6 51.9 77.9

61 41.8 34.2 51.2

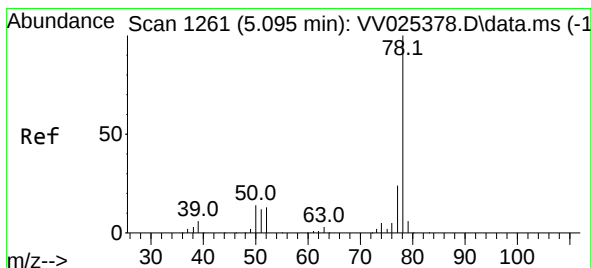
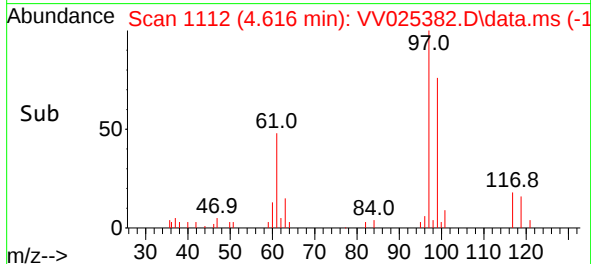
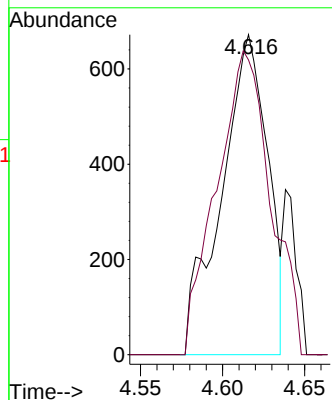
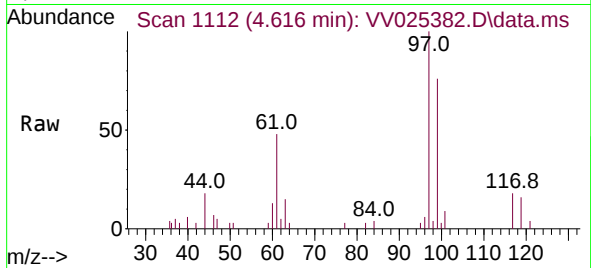




#31
Carbon tetrachloride
Concen: 0.069 ug/L
RT: 4.616 min Scan# 1177
Delta R.T. -0.209 min
Lab File: VV025382.D
Acq: 07 Apr 2022 13:41

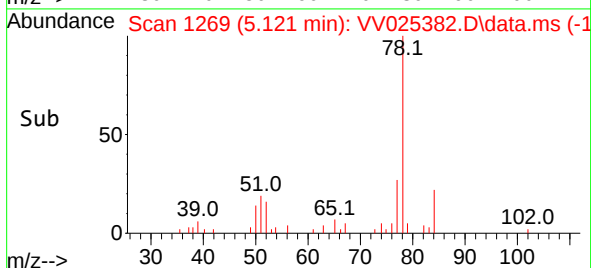
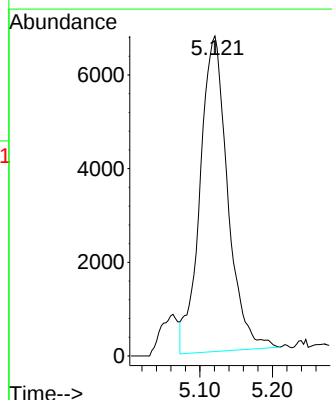
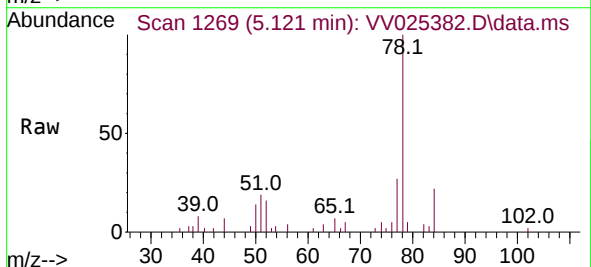
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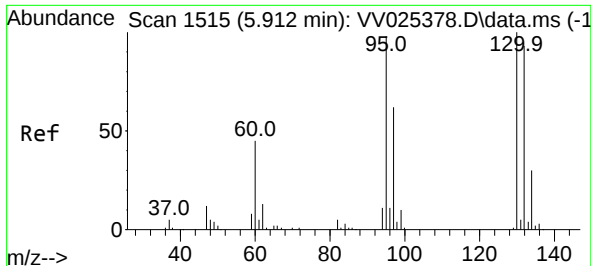
Tgt Ion:117 Resp: 1321
Ion Ratio Lower Upper
117 100
119 110.2 77.8 116.6



#33
Benzene
Concen: 0.334 ug/L
RT: 5.121 min Scan# 1269
Delta R.T. 0.026 min
Lab File: VV025382.D
Acq: 07 Apr 2022 13:41

Tgt Ion: 78 Resp: 17840

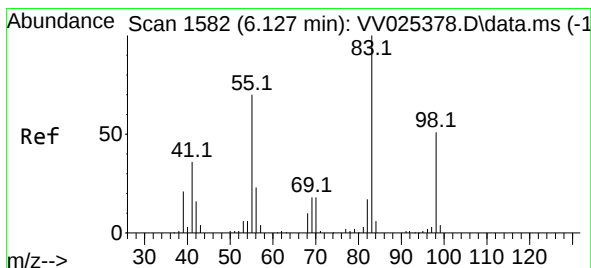
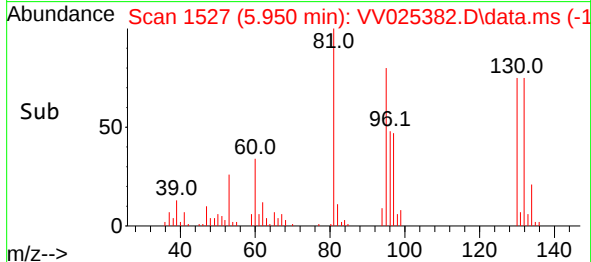
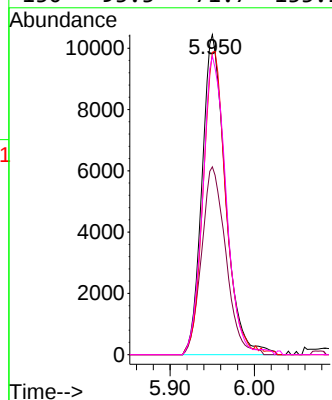
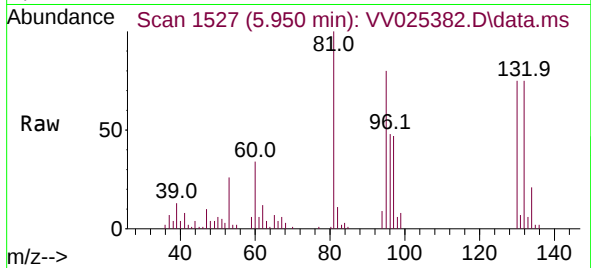




#34
Trichloroethene
Concen: 1.377 ug/L
RT: 5.950 min Scan# 1515
Delta R.T. 0.039 min
Lab File: VV025382.D
Acq: 07 Apr 2022 13:41

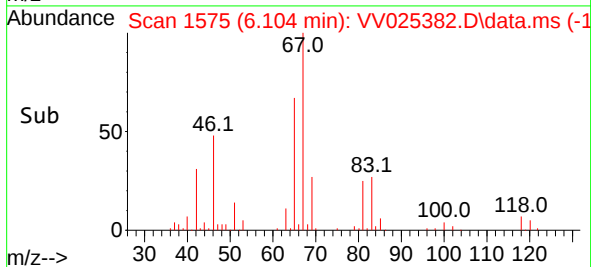
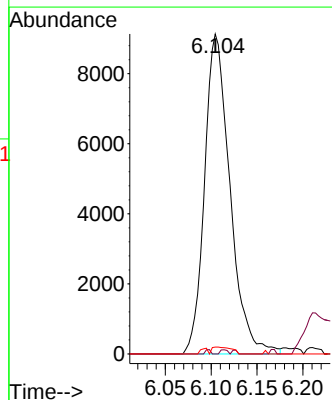
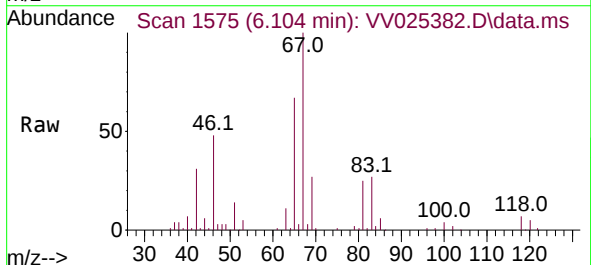
Instrument :
MSVOA_V
ClientSampleId :
BFY43

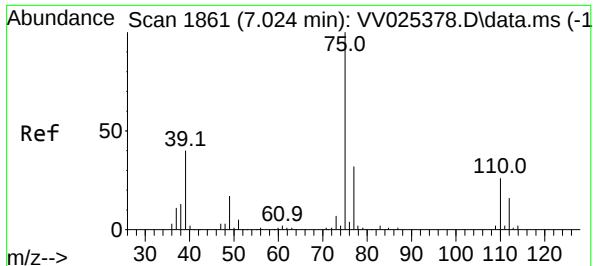
Tgt Ion:	95	Resp:	20174
Ion	Ratio	Lower	Upper
95	100		
97	58.7	46.3	85.9
132	94.5	65.2	121.2
130	93.3	71.7	133.1



#35
Methylcyclohexane
Concen: 0.767 ug/L
RT: 6.104 min Scan# 1575
Delta R.T. -0.022 min
Lab File: VV025382.D
Acq: 07 Apr 2022 13:41

Tgt Ion:	83	Resp:	17618
Ion	Ratio	Lower	Upper
83	100		
55	14.4	54.6	81.8#
98	1.7	39.8	59.6#





#39

cis-1,3-Dichloropropene

Concen: 0.117 ug/L

RT: 7.011 min Scan# 1857

Delta R.T. -0.013 min

Lab File: VV025382.D

Acq: 07 Apr 2022 13:41

Instrument :

MSVOA_V

ClientSampleId :

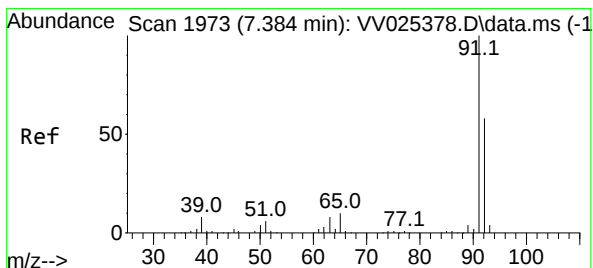
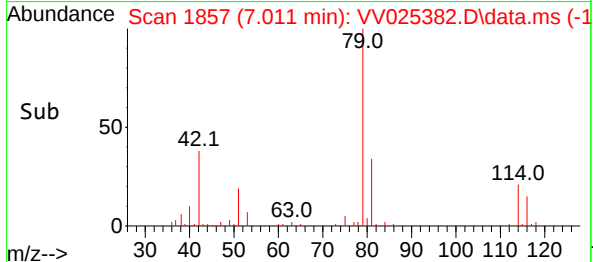
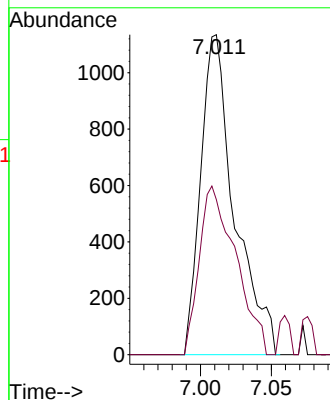
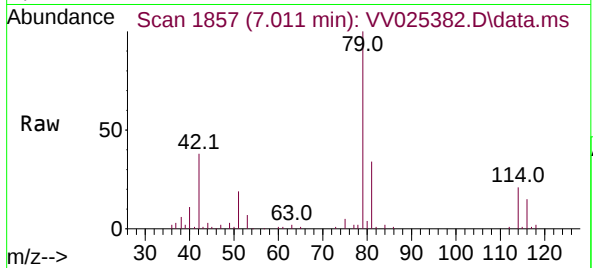
BFY43

Tgt Ion: 75 Resp: 1883

Ion Ratio Lower Upper

75 100

77 48.5 22.1 41.1#



#42

Toluene

Concen: 0.631 ug/L

RT: 7.410 min Scan# 1981

Delta R.T. 0.026 min

Lab File: VV025382.D

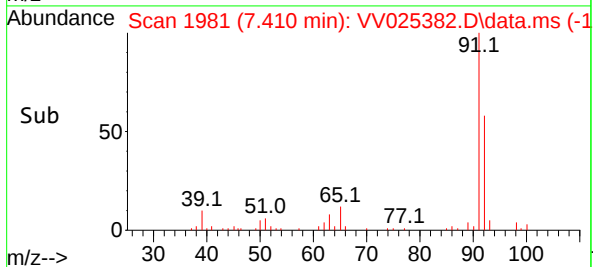
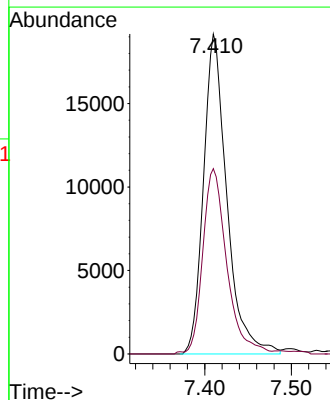
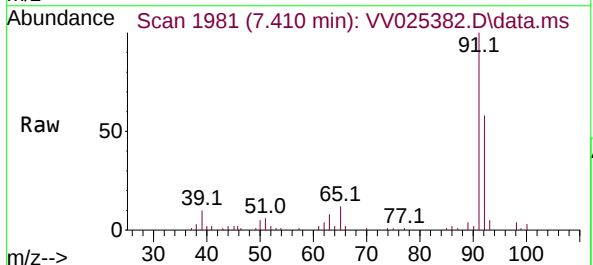
Acq: 07 Apr 2022 13:41

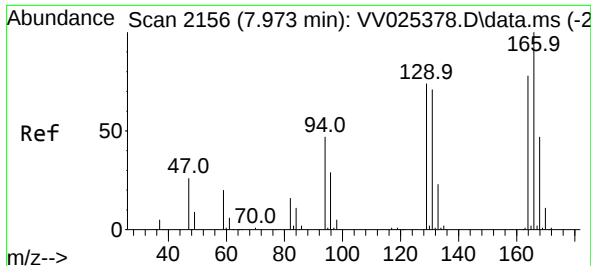
Tgt Ion: 91 Resp: 35913

Ion Ratio Lower Upper

91 100

92 57.9 40.3 74.9





#47

Tetrachloroethene

Concen: 0.429 ug/L

RT: 7.989 min Scan# 2161

Delta R.T. 0.016 min

Lab File: VV025382.D

Acq: 07 Apr 2022 13:41

Instrument :

MSVOA_V

ClientSampleId :

BFY43

Tgt Ion:164 Resp: 4632

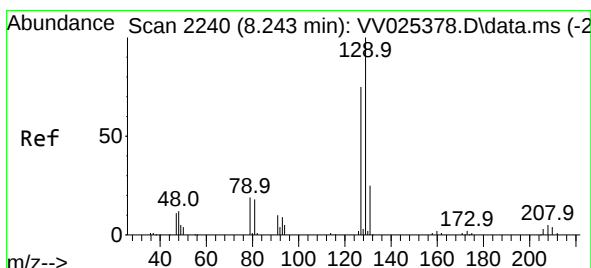
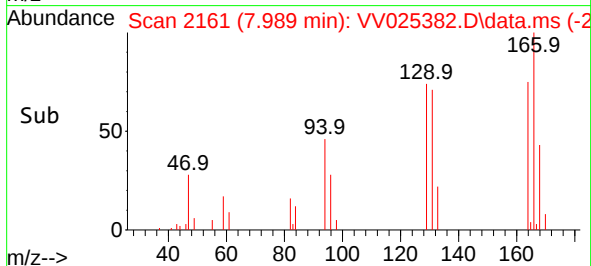
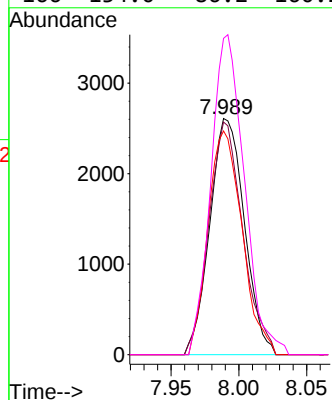
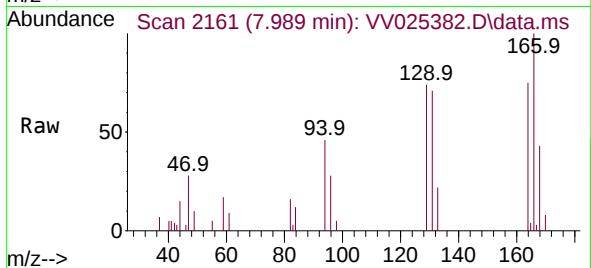
Ion Ratio Lower Upper

164 100

129 98.5 67.5 125.4

131 94.7 68.0 126.4

166 134.0 86.2 160.2



#49

Dibromochloromethane

Concen: 0.488 ug/L

RT: 7.989 min Scan# 2161

Delta R.T. -0.254 min

Lab File: VV025382.D

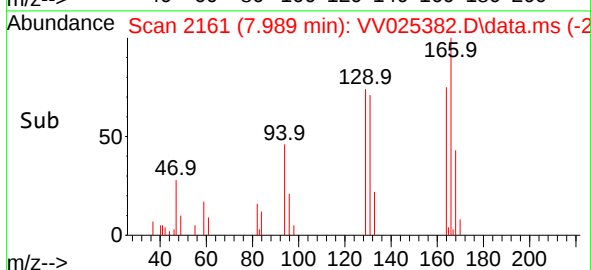
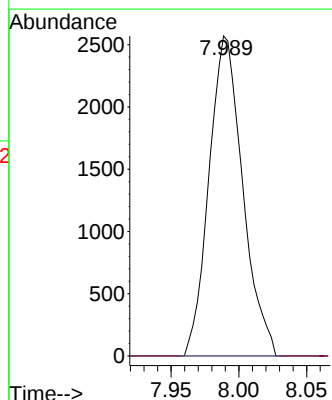
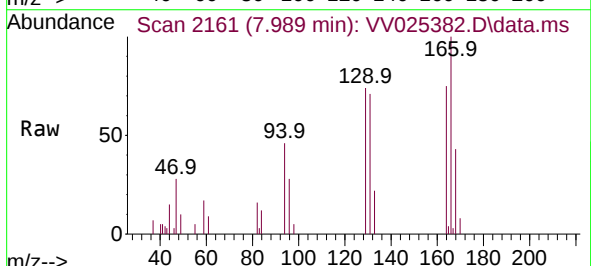
Acq: 07 Apr 2022 13:41

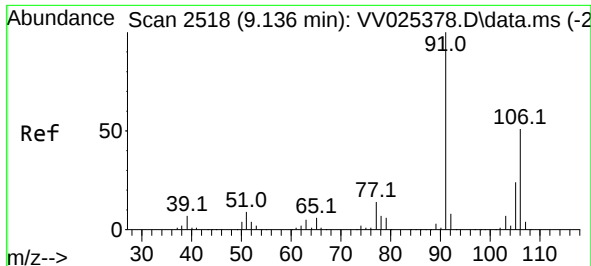
Tgt Ion:129 Resp: 4447

Ion Ratio Lower Upper

129 100

127 0.0 54.1 100.5#

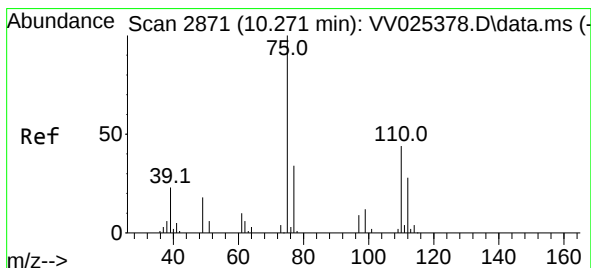
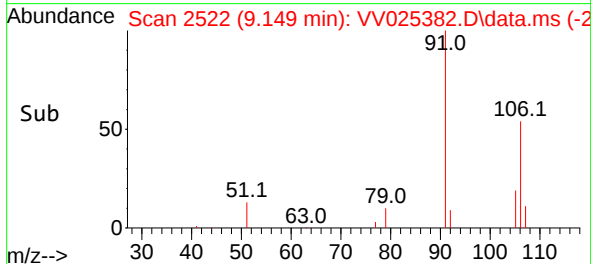
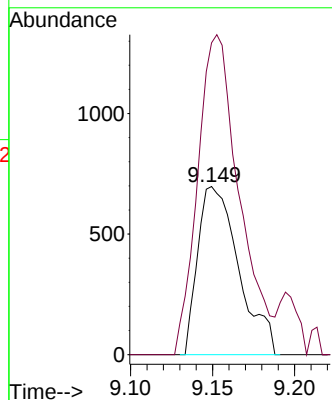
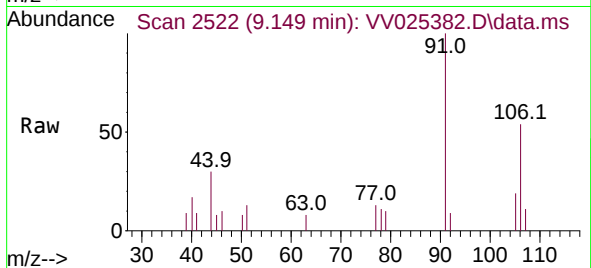




#53
m,p-Xylene
Concen: 0.051 ug/L
RT: 9.149 min Scan# 21
Delta R.T. 0.013 min
Lab File: VV025382.D
Acq: 07 Apr 2022 13:41

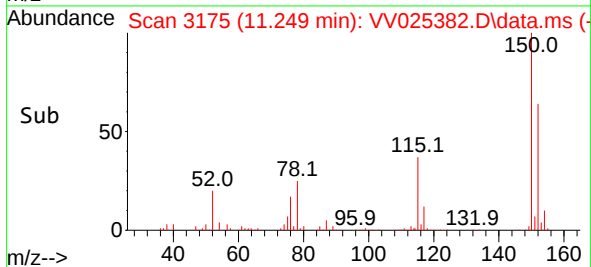
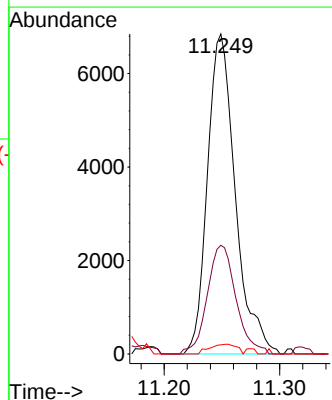
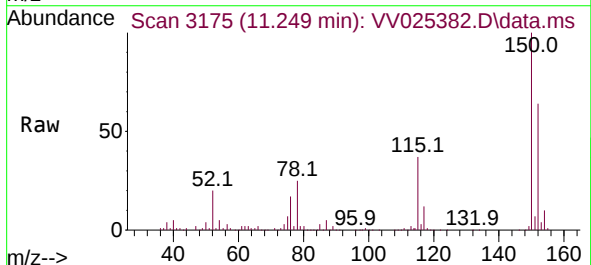
Instrument :
MSVOA_V
ClientSampleId :
BFY43

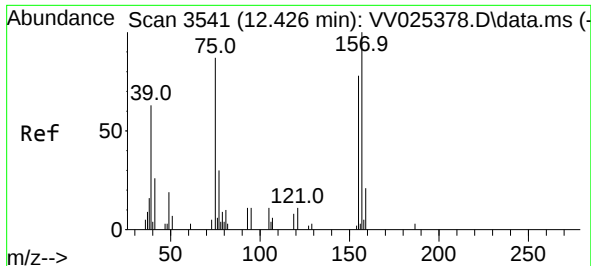
Tgt Ion:106 Resp: 1210
Ion Ratio Lower Upper
106 100
91 185.5 136.8 254.0



#61
1,2,3-Trichloropropane
Concen: 1.630 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.978 min
Lab File: VV025382.D
Acq: 07 Apr 2022 13:41

Tgt Ion: 75 Resp: 11465
Ion Ratio Lower Upper
75 100
77 35.0 25.8 38.6
110 3.0 31.6 47.4#

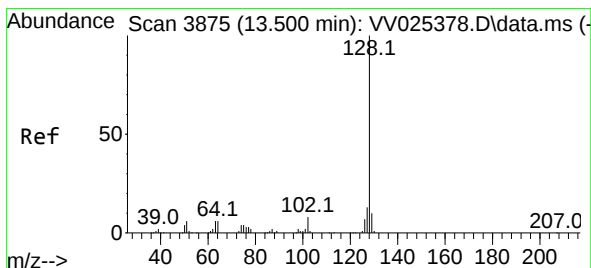
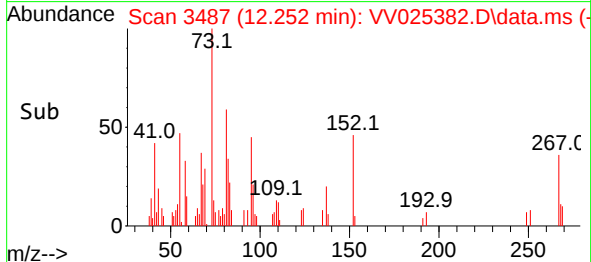
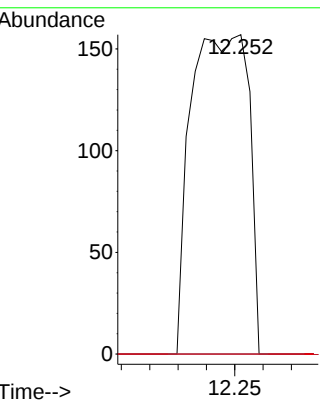
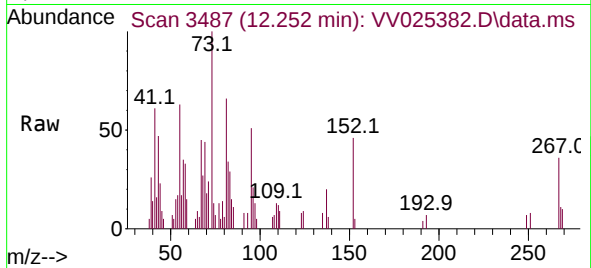




#68
1,2-Dibromo-3-chloropropane
Concen: 0.175 ug/L
RT: 12.252 min Scan# 3487
Delta R.T. -0.174 min
Lab File: VV025382.D
Acq: 07 Apr 2022 13:41

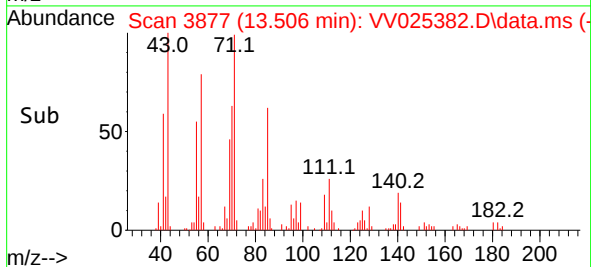
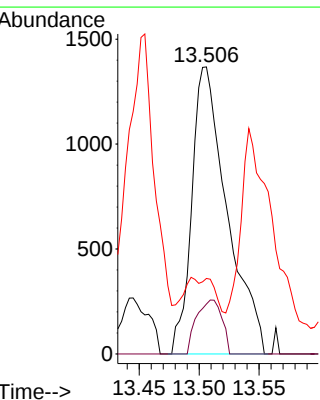
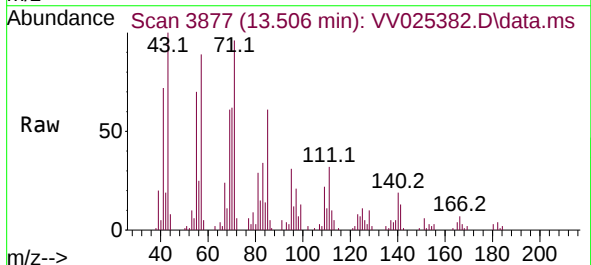
Instrument :
MSVOA_V
ClientSampleId :
BFY43

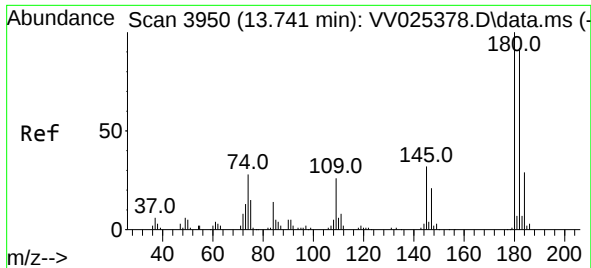
Tgt Ion: 75 Resp: 221
Ion Ratio Lower Upper
75 100
155 0.0 80.0 120.0#
157 0.0 94.5 141.7#



#71
Naphthalene
Concen: 0.114 ug/L
RT: 13.506 min Scan# 3877
Delta R.T. 0.006 min
Lab File: VV025382.D
Acq: 07 Apr 2022 13:41

Tgt Ion: 128 Resp: 2800
Ion Ratio Lower Upper
128 100
129 13.4 8.8 13.2#
127 59.3 10.6 16.0#





#72
 1,2,3-Trichlorobenzene
 Concen: 0.194 ug/L
 RT: 13.767 min Scan# 3958
 Delta R.T. 0.026 min
 Lab File: VV025382.D
 Acq: 07 Apr 2022 13:41

Instrument :
 MSVOA_V
 ClientSampleId :
 BFY43

Tgt Ion:180 Resp: 2623
 Ion Ratio Lower Upper
 180 100
 182 14.9 75.8 113.6#
 145 0.0 28.6 42.8#

