

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW040522\
 Data File : VW025352.D
 Acq On : 05 Apr 2022 13:23
 Operator : SY/MD
 Sample : N2261-03
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFY40

Quant Time: Apr 06 01:29:50 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032622WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Apr 06 01:28:15 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	156114	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	150873	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	75029	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	55784	3.825	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.600%
7) Chloroethane-d5	1.568	69	52236	4.268	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.400%
11) 1,1-Dichloroethene-d2	2.105	63	84545	2.677	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	53.600%#
20) 2-Butanone-d5	3.921	46	50303	34.630	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	69.260%
24) Chloroform-d	4.349	84	78002	4.099	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.000%
26) 1,2-Dichloroethane-d4	5.034	65	34318	4.080	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.600%
32) Benzene-d6	5.050	84	146768	3.845	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.000%
36) 1,2-Dichloropropane-d6	6.069	67	43322	4.050	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	81.000%
41) Toluene-d8	7.317	98	129197	3.690	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.800%
43) trans-1,3-Dichloroprop...	7.625	79	13426	3.847	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.000%
46) 2-Hexanone-d5	8.092	63	50100	39.751	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	79.500%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	28840	4.043	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.800%
66) 1,2-Dichlorobenzene-d4	11.622	152	47837	3.970	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	79.400%#
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	1187	0.065	ug/L #	68
6) Bromomethane	1.520	94	573	0.047	ug/L	97
12) 1,1-Dichloroethene	2.114	96	1948	0.124	ug/L #	1
17) Methyl tert-butyl Ether	2.770	73	1242	0.062	ug/L #	30
19) 1,1-Dichloroethane	3.192	63	16955	0.900	ug/L	93
22) cis-1,2-Dichloroethene	3.928	96	2530	0.221	ug/L	80
23) Bromochloromethane	4.253	128	295	0.062	ug/L #	54
25) Chloroform	4.378	83	12285	0.588	ug/L	95
29) 1,1,1-Trichloroethane	4.609	97	357	0.020	ug/L #	68
33) Benzene	5.101	78	82829	1.872	ug/L	100
35) Methylcyclohexane	6.072	83	11220	0.589	ug/L #	35
39) cis-1,3-Dichloropropene	6.989	75	1156	0.087	ug/L #	40
42) Toluene	7.391	91	49707	1.052	ug/L	96
47) Tetrachloroethene	7.979	164	553	0.062	ug/L	85
49) Dibromochloromethane	7.986	129	216	0.029	ug/L #	11
52) Ethylbenzene	9.018	91	5441	0.109	ug/L	96
53) m,p-Xylene	9.146	106	2621	0.134	ug/L	97
54) o-Xylene	9.548	106	2011	0.108	ug/L	94
61) 1,2,3-Trichloropropane	11.246	75	9173	1.616	ug/L #	62

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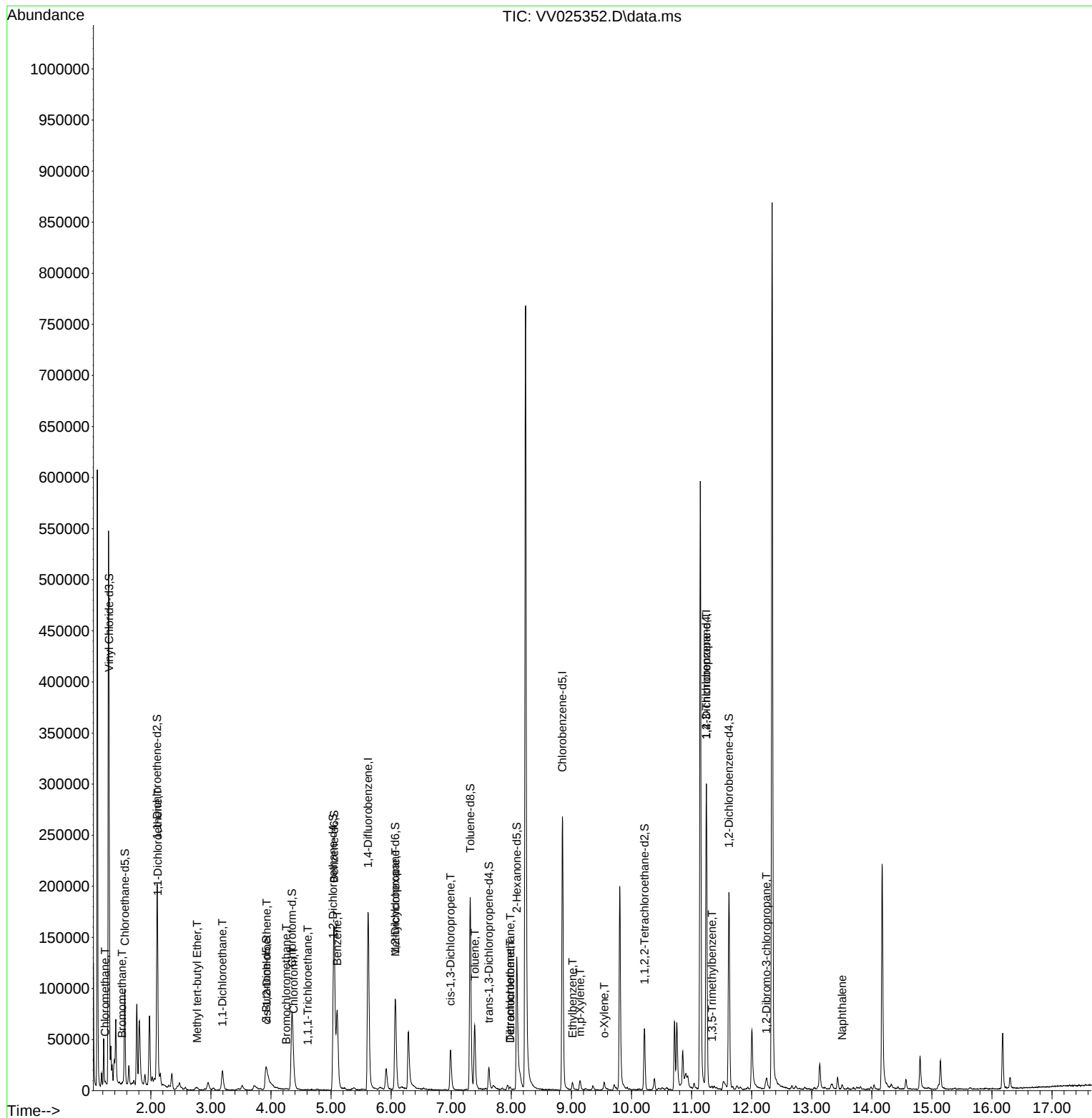
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) 1,3,5-Trimethylbenzene	11.339	105	856	0.038	ug/L	92
68) 1,2-Dibromo-3-chloropr...	12.246	75	260	0.256	ug/L #	1
71) Naphthalene	13.506	128	3675	0.186	ug/L #	90

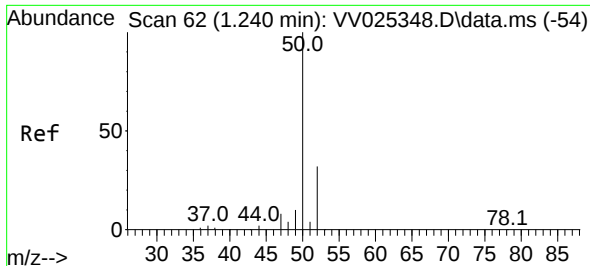
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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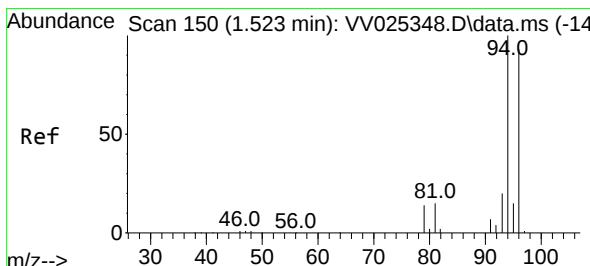
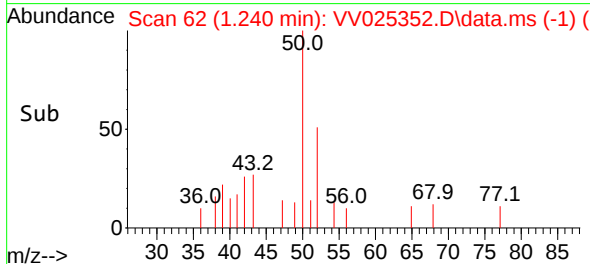
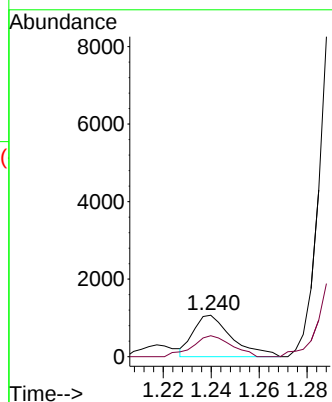
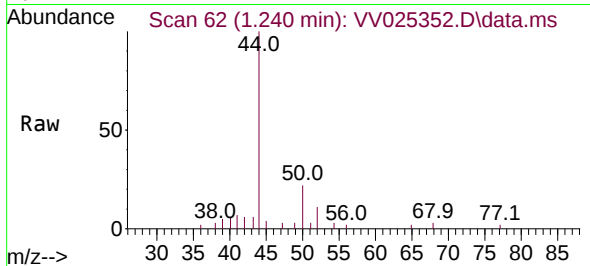




#3
Chloromethane
Concen: 0.065 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.000 min
Lab File: VV025352.D
Acq: 05 Apr 2022 13:23

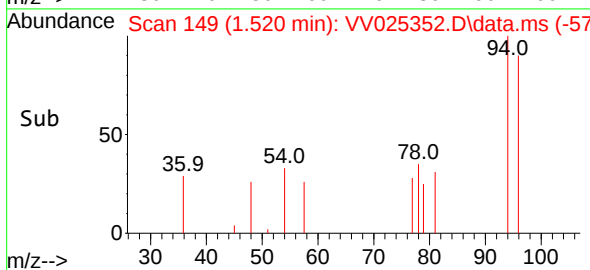
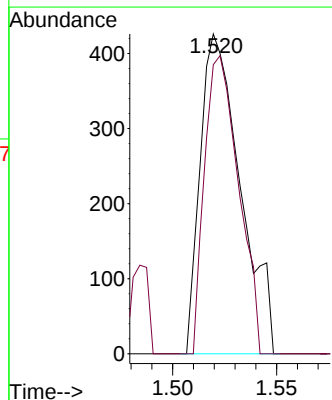
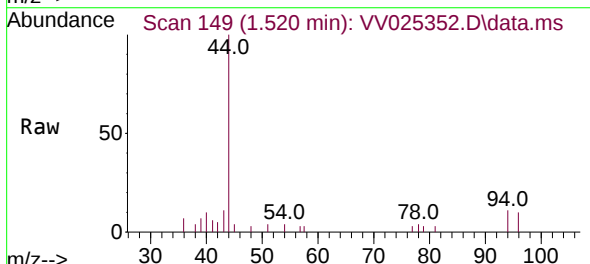
Instrument :
MSVOA_V
ClientSampleId :
BFY40

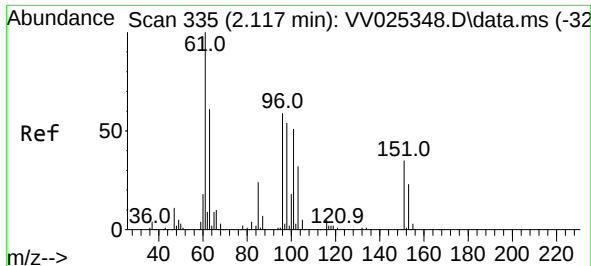
Tgt Ion: 50 Resp: 1187
Ion Ratio Lower Upper
50 100
52 50.7 22.9 42.5#



#6
Bromomethane
Concen: 0.047 ug/L
RT: 1.520 min Scan# 149
Delta R.T. -0.003 min
Lab File: VV025352.D
Acq: 05 Apr 2022 13:23

Tgt Ion: 94 Resp: 573
Ion Ratio Lower Upper
94 100
96 90.4 65.5 121.7

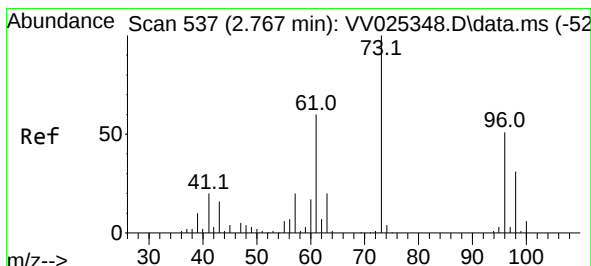
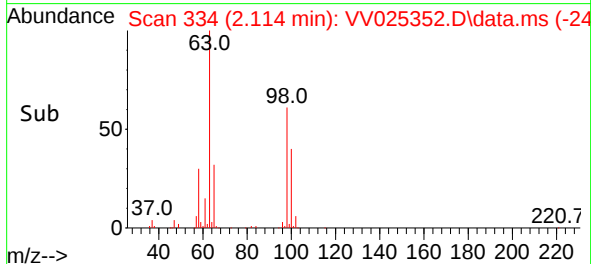
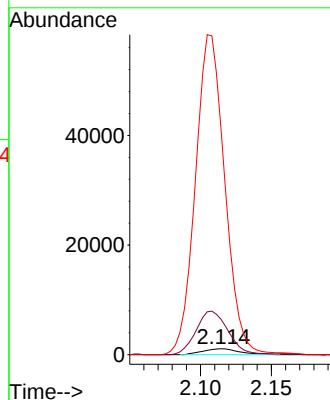
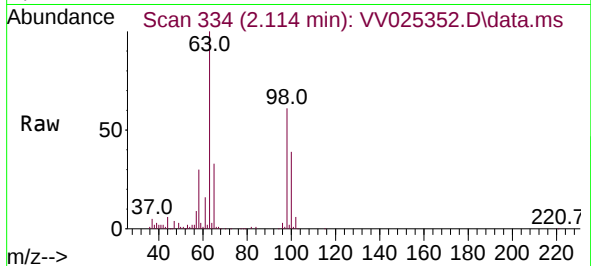




#12
1,1-Dichloroethene
Concen: 0.124 ug/L
RT: 2.114 min Scan# 31
Delta R.T. -0.003 min
Lab File: VV025352.D
Acq: 05 Apr 2022 13:23

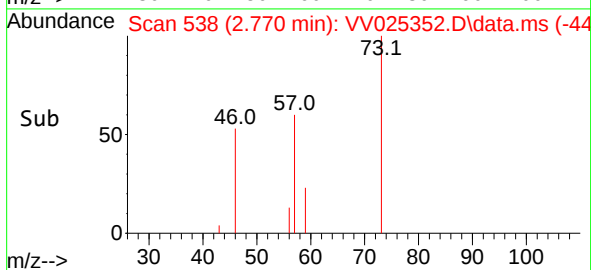
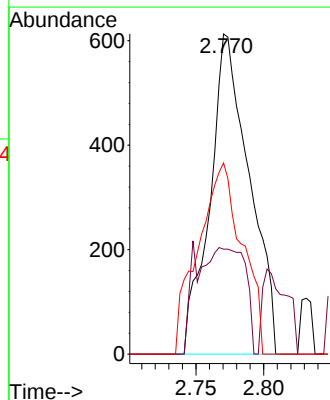
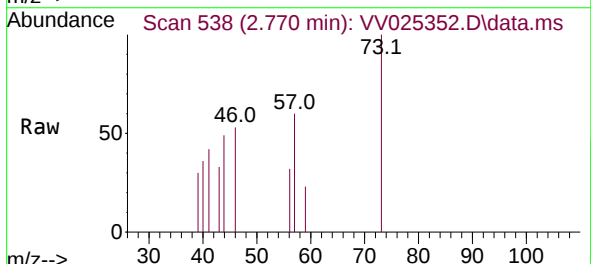
Instrument :
MSVOA_V
ClientSampleId :
BFY40

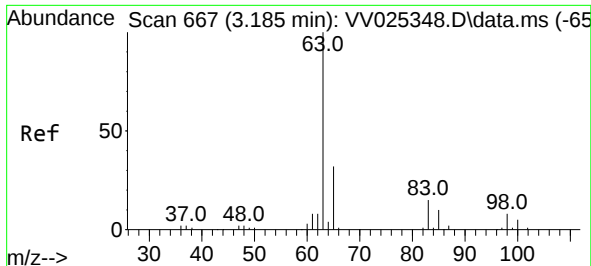
Tgt Ion: 96 Resp: 1948
Ion Ratio Lower Upper
96 100
61 596.5 121.5 225.7#
63 3810.0 77.9 144.7#



#17
Methyl tert-butyl Ether
Concen: 0.062 ug/L
RT: 2.770 min Scan# 538
Delta R.T. 0.003 min
Lab File: VV025352.D
Acq: 05 Apr 2022 13:23

Tgt Ion: 73 Resp: 1242
Ion Ratio Lower Upper
73 100
43 31.6 13.5 20.3#
57 66.5 16.4 24.6#





#19

1,1-Dichloroethane

Concen: 0.900 ug/L

RT: 3.192 min Scan# 6

Delta R.T. 0.007 min

Lab File: VV025352.D

Acq: 05 Apr 2022 13:23

Instrument :

MSVOA_V

ClientSampleId :

BFY40

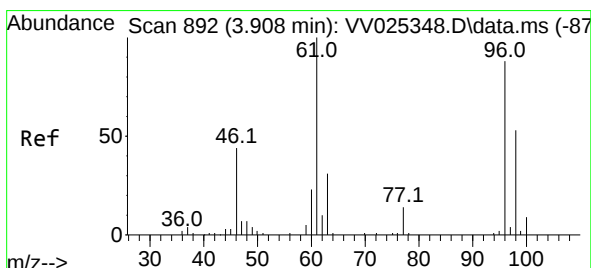
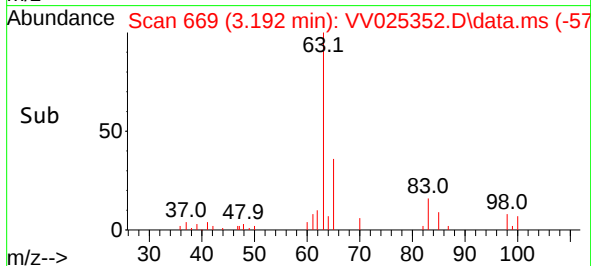
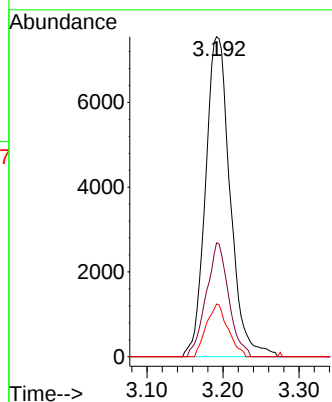
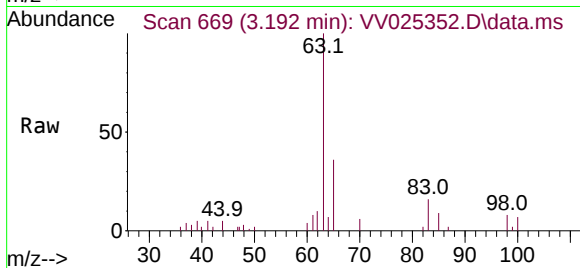
Tgt Ion: 63 Resp: 16955

Ion Ratio Lower Upper

63 100

65 35.6 22.0 40.8

83 16.4 10.2 19.0



#22

cis-1,2-Dichloroethene

Concen: 0.221 ug/L

RT: 3.928 min Scan# 898

Delta R.T. 0.019 min

Lab File: VV025352.D

Acq: 05 Apr 2022 13:23

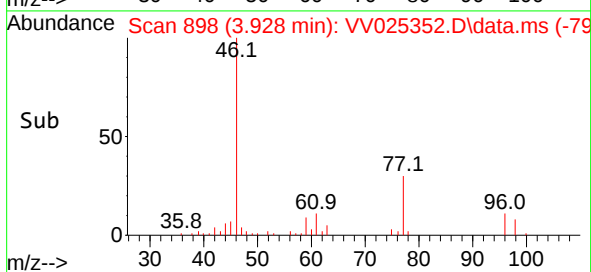
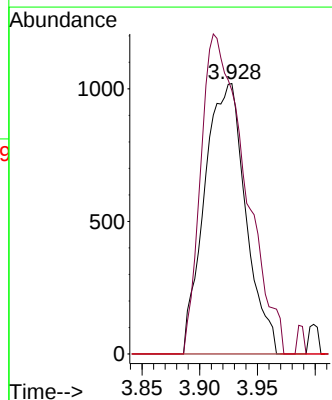
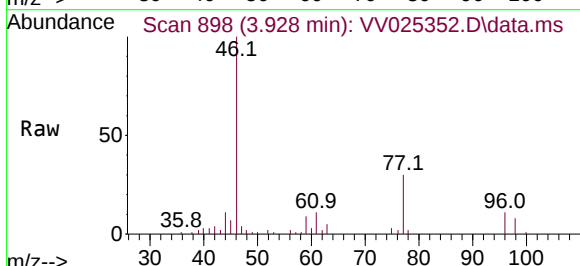
Tgt Ion: 96 Resp: 2530

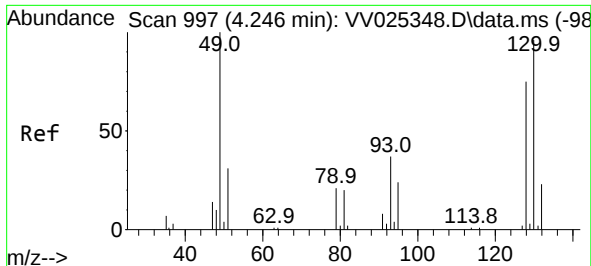
Ion Ratio Lower Upper

96 100

61 97.5 84.1 156.1

68 0.0 0.0 0.0

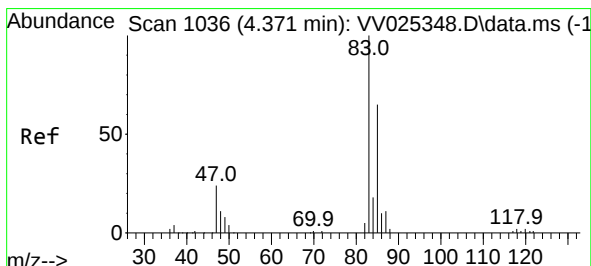
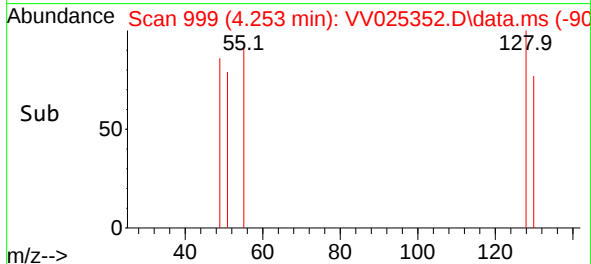
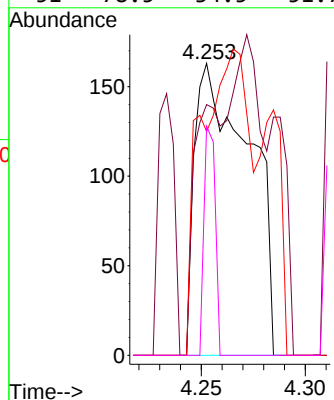
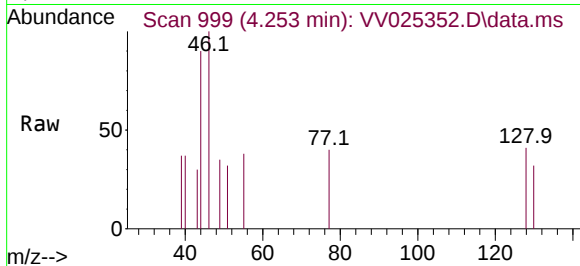




#23
Bromochloromethane
Concen: 0.062 ug/L
RT: 4.253 min Scan# 997
Delta R.T. 0.007 min
Lab File: VV025352.D
Acq: 05 Apr 2022 13:23

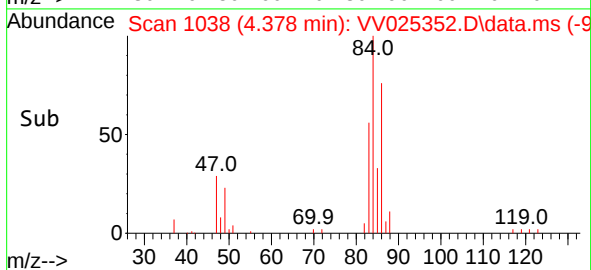
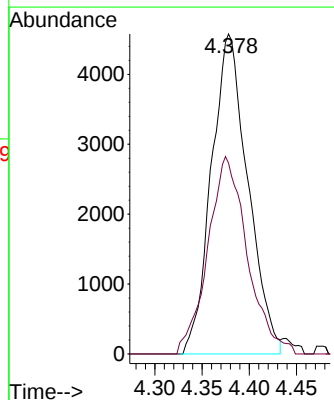
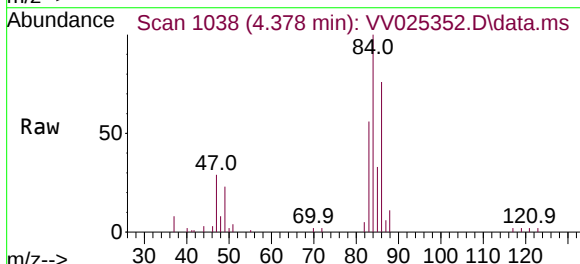
Instrument :
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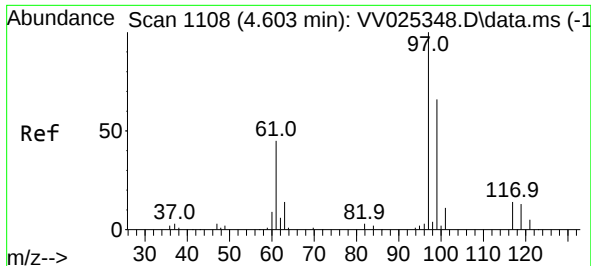
Tgt Ion:128 Resp: 295
Ion Ratio Lower Upper
128 100
49 85.9 101.4 188.4#
130 76.7 85.0 158.0#
51 78.5 34.5 51.7#



#25
Chloroform
Concen: 0.588 ug/L
RT: 4.378 min Scan# 1038
Delta R.T. 0.007 min
Lab File: VV025352.D
Acq: 05 Apr 2022 13:23

Tgt Ion: 83 Resp: 12285
Ion Ratio Lower Upper
83 100
85 59.6 44.7 82.9





#29

1,1,1-Trichloroethane

Concen: 0.020 ug/L

RT: 4.609 min Scan# 1108

Delta R.T. 0.007 min

Lab File: VV025352.D

Acq: 05 Apr 2022 13:23

Instrument :

MSVOA_V

ClientSampleId :

BFY40

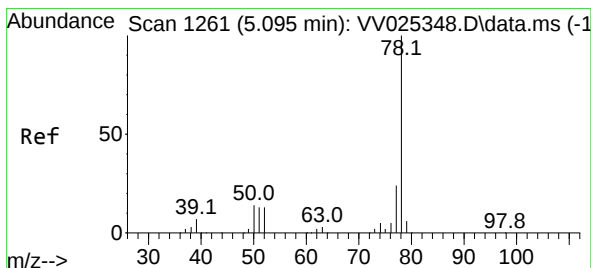
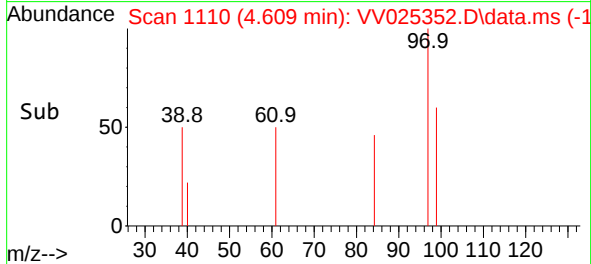
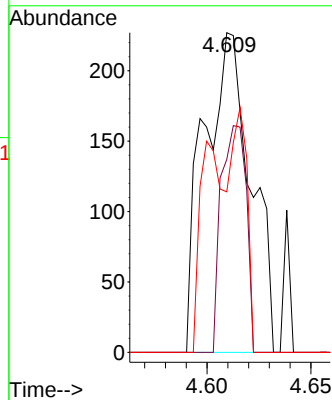
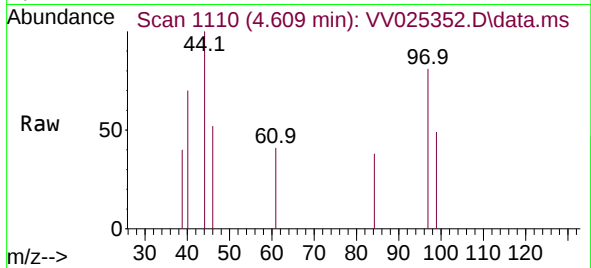
Tgt Ion: 97 Resp: 357

Ion Ratio Lower Upper

97 100

99 37.8 51.9 77.9#

61 24.9 34.2 51.2#



#33

Benzene

Concen: 1.872 ug/L

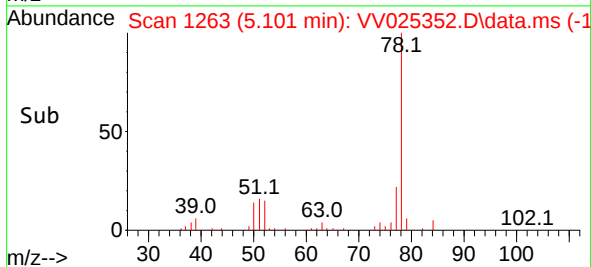
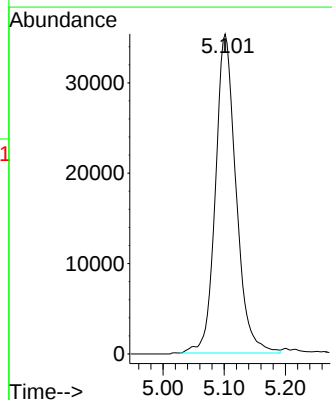
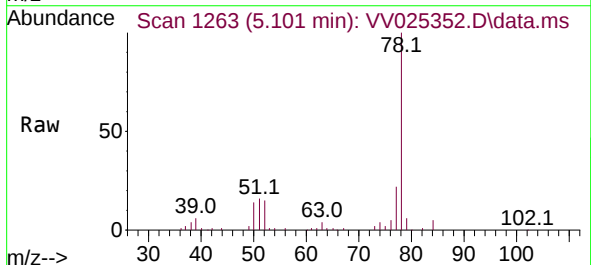
RT: 5.101 min Scan# 1263

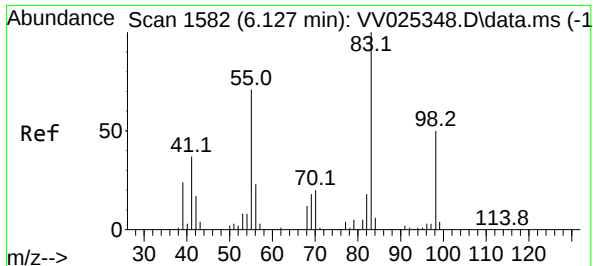
Delta R.T. 0.007 min

Lab File: VV025352.D

Acq: 05 Apr 2022 13:23

Tgt Ion: 78 Resp: 82829





#35

Methylcyclohexane

Concen: 0.589 ug/L

RT: 6.072 min Scan# 1

Delta R.T. -0.055 min

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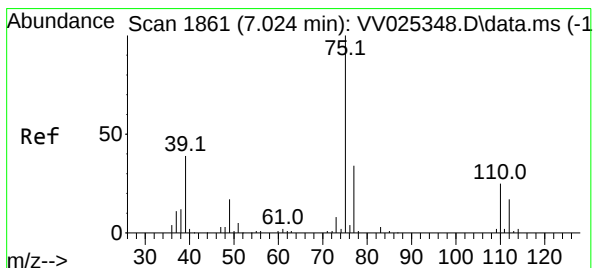
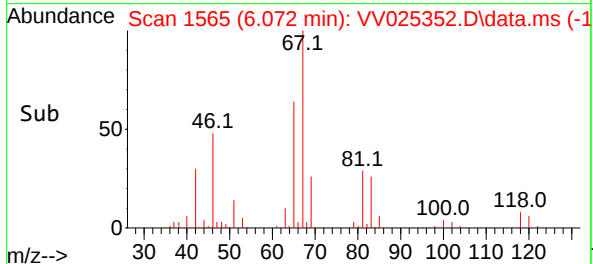
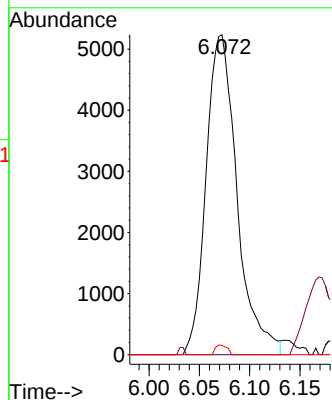
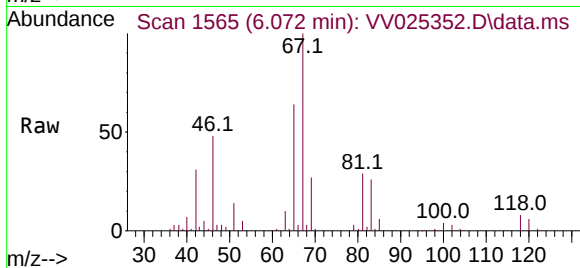
Tgt Ion: 83 Resp: 11220

Ion Ratio Lower Upper

83 100

55 18.7 54.6 81.8#

98 1.1 39.8 59.6#



#39

cis-1,3-Dichloropropene

Concen: 0.087 ug/L

RT: 6.989 min Scan# 1850

Delta R.T. -0.035 min

Lab File: VV025352.D

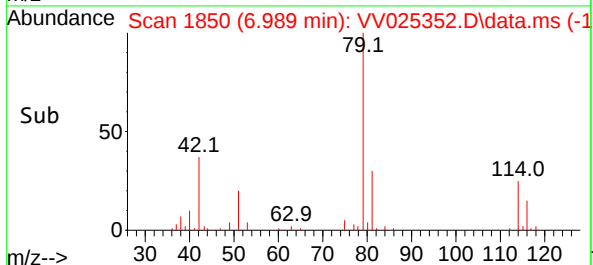
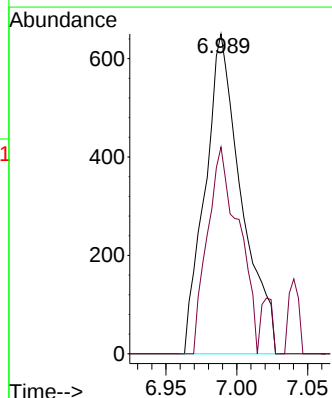
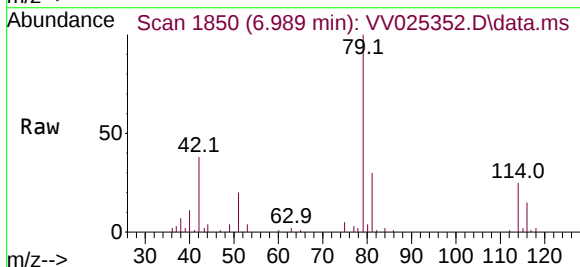
Acq: 05 Apr 2022 13:23

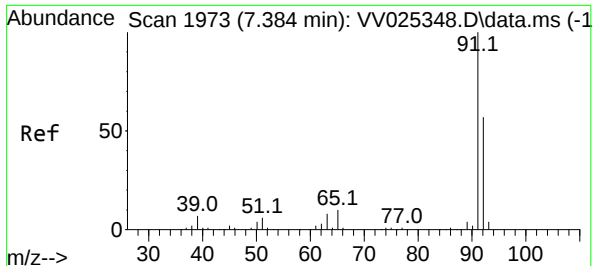
Tgt Ion: 75 Resp: 1156

Ion Ratio Lower Upper

75 100

77 64.6 22.1 41.1#





#42

Toluene

Concen: 1.052 ug/L

RT: 7.391 min Scan# 1973

Delta R.T. 0.007 min

Lab File: VV025352.D

Acq: 05 Apr 2022 13:23

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ClientSampleId :

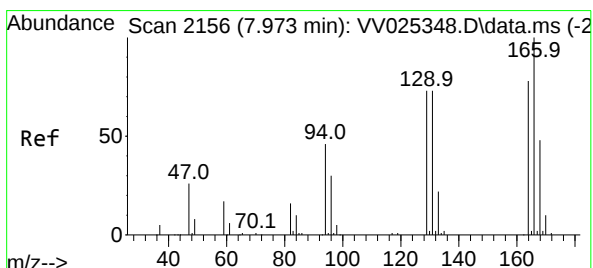
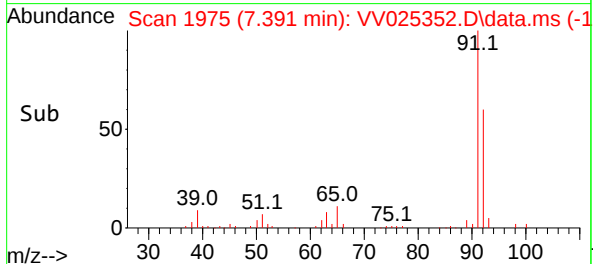
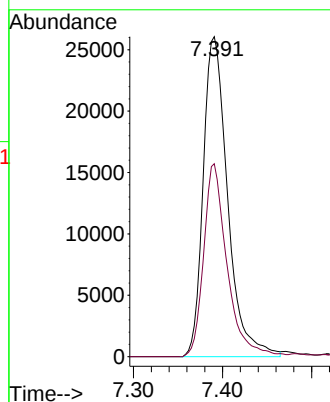
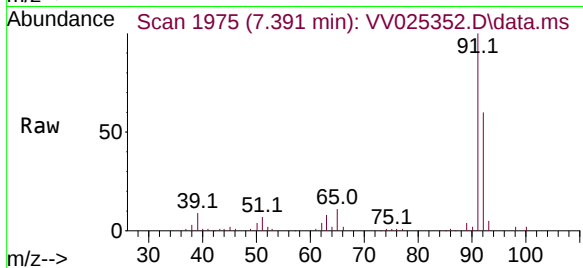
BFY40

Tgt Ion: 91 Resp: 49707

Ion Ratio Lower Upper

91 100

92 60.3 40.3 74.9



#47

Tetrachloroethene

Concen: 0.062 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. 0.007 min

Lab File: VV025352.D

Acq: 05 Apr 2022 13:23

Tgt Ion: 164 Resp: 553

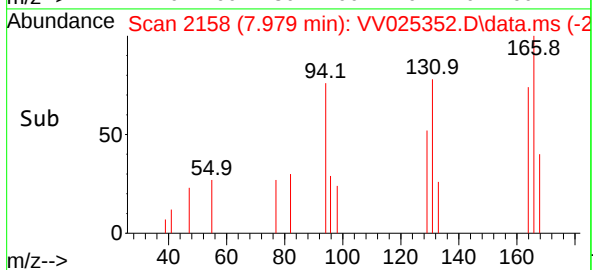
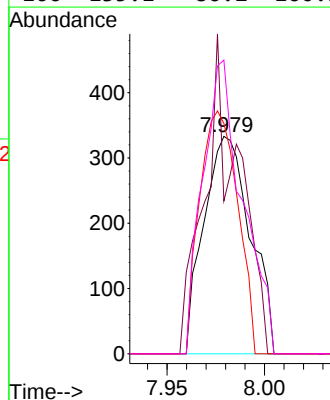
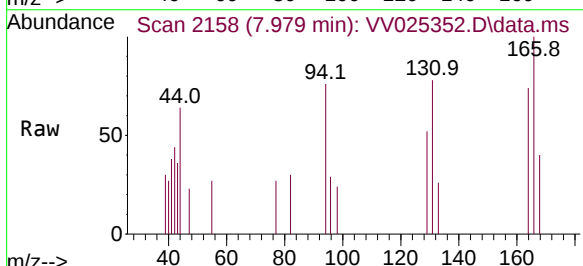
Ion Ratio Lower Upper

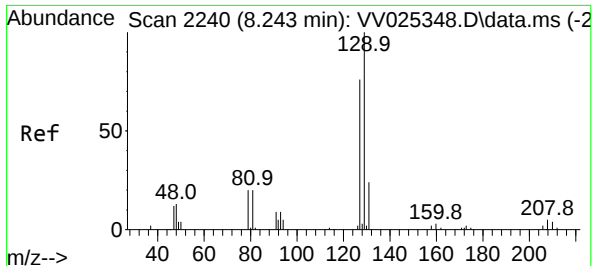
164 100

129 70.3 67.5 125.4

131 106.0 68.0 126.4

166 135.1 86.2 160.2





#49

Dibromochloromethane

Concen: 0.029 ug/L

RT: 7.986 min Scan# 2160

Delta R.T. -0.257 min

Lab File: VV025352.D

Acq: 05 Apr 2022 13:23

Instrument :

MSVOA_V

ClientSampleId :

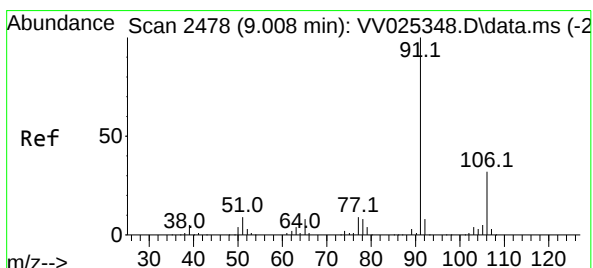
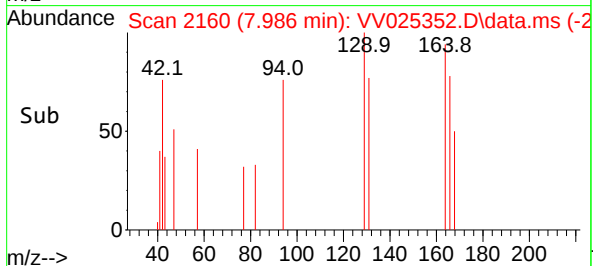
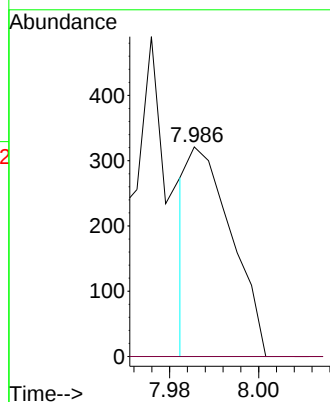
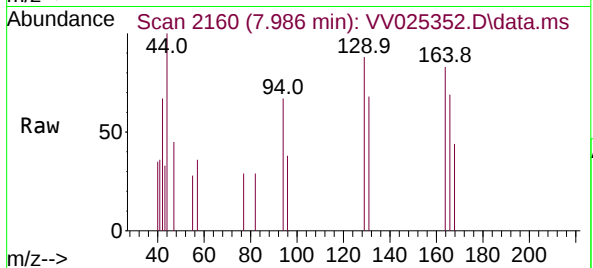
BFY40

Tgt Ion:129 Resp: 216

Ion Ratio Lower Upper

129 100

127 0.0 54.1 100.5#



#52

Ethylbenzene

Concen: 0.109 ug/L

RT: 9.018 min Scan# 2481

Delta R.T. 0.010 min

Lab File: VV025352.D

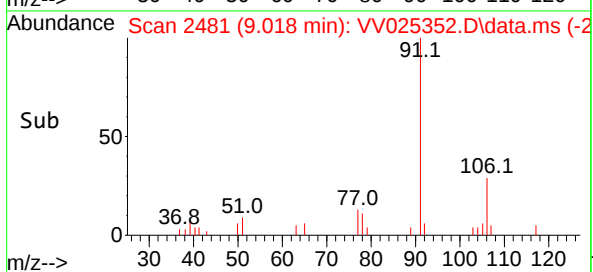
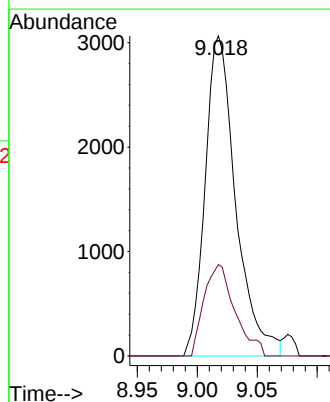
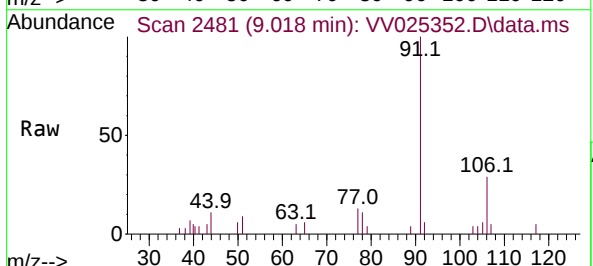
Acq: 05 Apr 2022 13:23

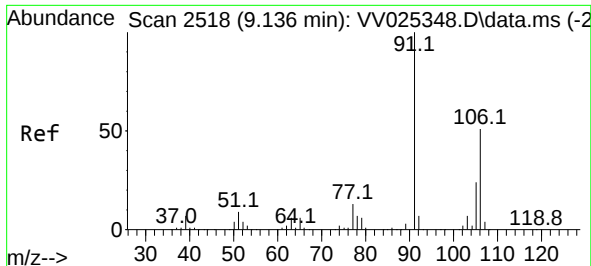
Tgt Ion: 91 Resp: 5441

Ion Ratio Lower Upper

91 100

106 28.6 21.7 40.3

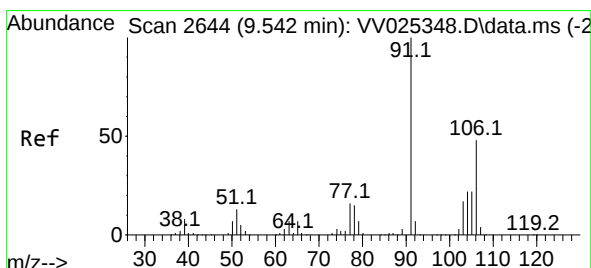
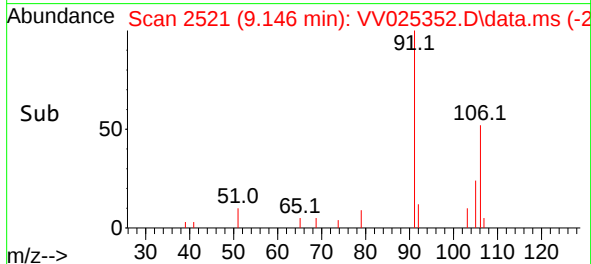
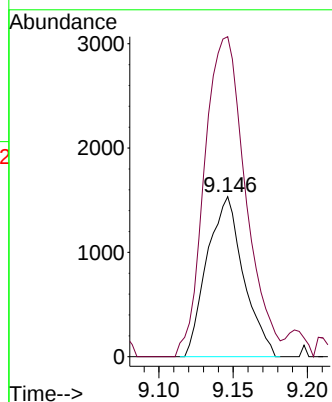
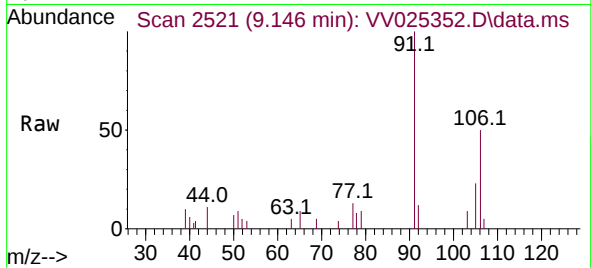




#53
m,p-Xylene
Concen: 0.134 ug/L
RT: 9.146 min Scan# 2518
Delta R.T. 0.010 min
Lab File: VV025352.D
Acq: 05 Apr 2022 13:23

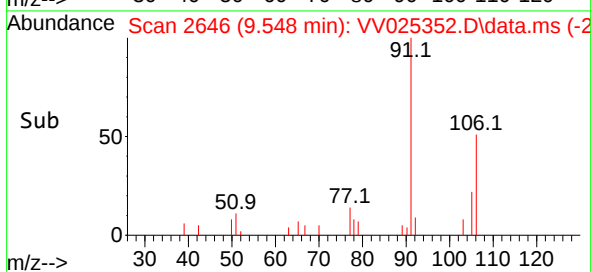
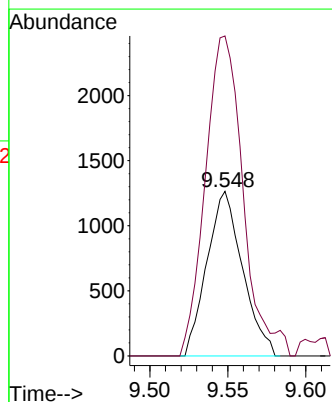
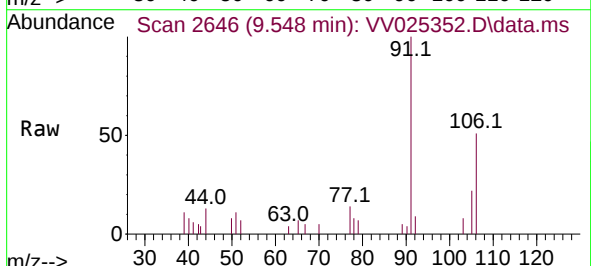
Instrument :
MSVOA_V
ClientSampleId :
BFY40

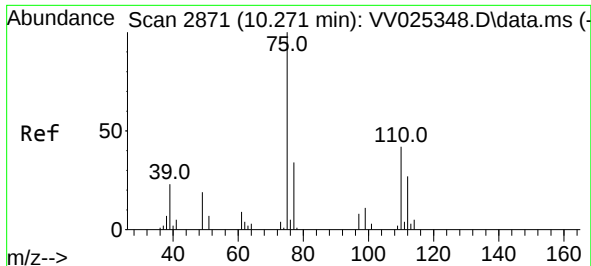
Tgt Ion:106 Resp: 2621
Ion Ratio Lower Upper
106 100
91 200.0 136.8 254.0



#54
o-Xylene
Concen: 0.108 ug/L
RT: 9.548 min Scan# 2646
Delta R.T. 0.007 min
Lab File: VV025352.D
Acq: 05 Apr 2022 13:23

Tgt Ion:106 Resp: 2011
Ion Ratio Lower Upper
106 100
91 194.5 143.0 265.6

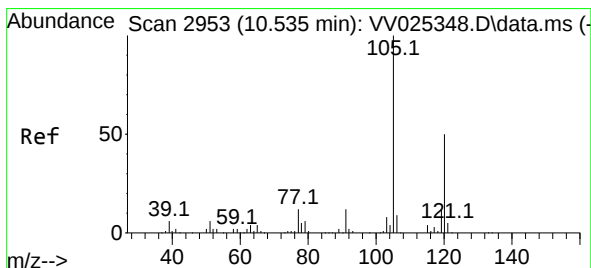
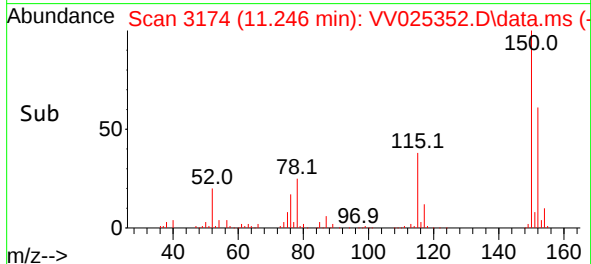
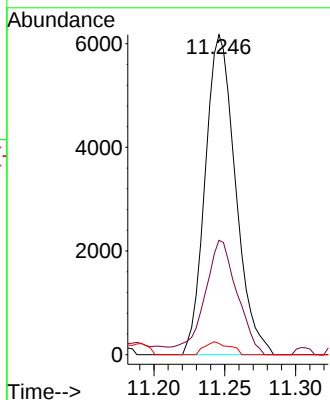
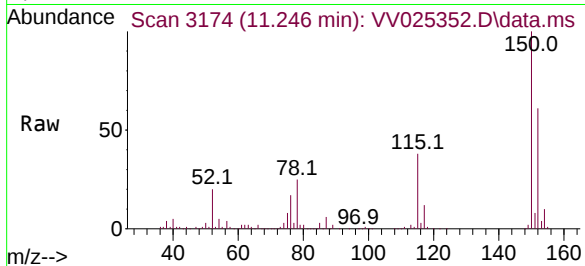




#61
1,2,3-Trichloropropane
Concen: 1.616 ug/L
RT: 11.246 min Scan# 3174
Delta R.T. 0.974 min
Lab File: VV025352.D
Acq: 05 Apr 2022 13:23

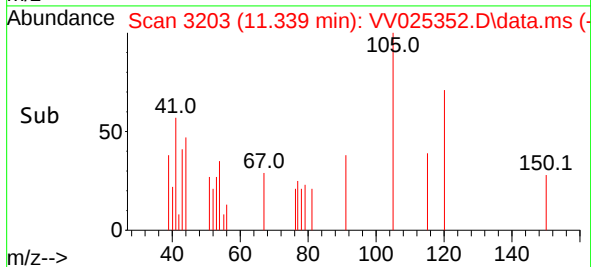
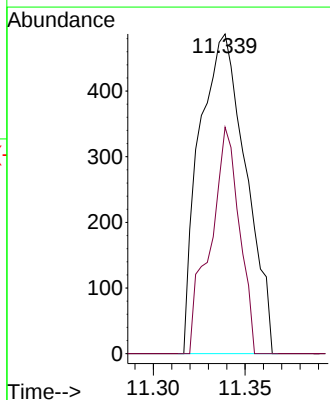
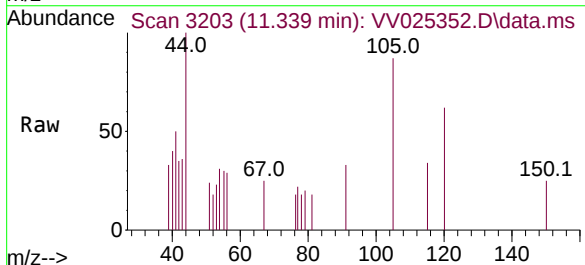
Instrument :
MSVOA_V
ClientSampleId :
BFY40

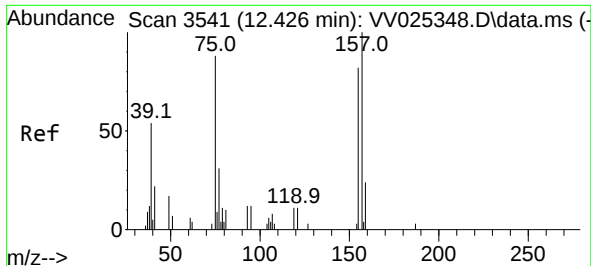
Tgt Ion: 75 Resp: 9173
Ion Ratio Lower Upper
75 100
77 38.6 25.8 38.6
110 3.3 31.6 47.4#



#62
1,3,5-Trimethylbenzene
Concen: 0.038 ug/L
RT: 11.339 min Scan# 3203
Delta R.T. 0.804 min
Lab File: VV025352.D
Acq: 05 Apr 2022 13:23

Tgt Ion: 105 Resp: 856
Ion Ratio Lower Upper
105 100
120 44.4 39.7 59.5

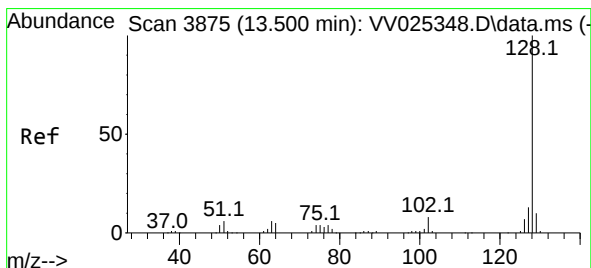
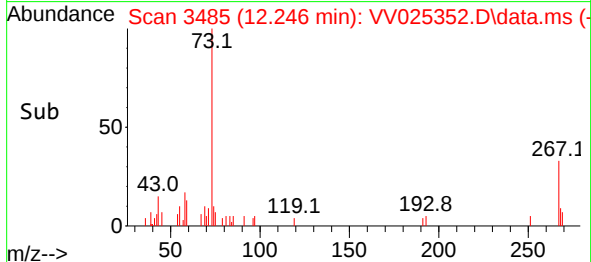
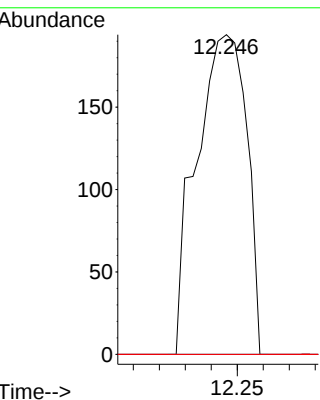
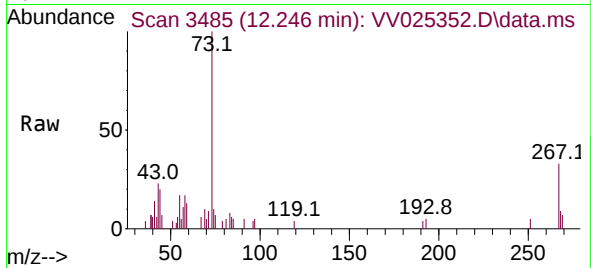




#68
1,2-Dibromo-3-chloropropane
Concen: 0.256 ug/L
RT: 12.246 min Scan# 34
Delta R.T. -0.180 min
Lab File: VV025352.D
Acq: 05 Apr 2022 13:23

Instrument :
MSVOA_V
ClientSampleId :
BFY40

Tgt Ion: 75 Resp: 260
Ion Ratio Lower Upper
75 100
155 0.0 80.0 120.0#
157 0.0 94.5 141.7#



#71
Naphthalene
Concen: 0.186 ug/L
RT: 13.506 min Scan# 3877
Delta R.T. 0.007 min
Lab File: VV025352.D
Acq: 05 Apr 2022 13:23

Tgt Ion: 128 Resp: 3675
Ion Ratio Lower Upper
128 100
129 6.4 8.8 13.2#
127 10.3 10.6 16.0#

