

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW040722\
 Data File : VW025384.D
 Acq On : 07 Apr 2022 14:28
 Operator : SY/MD
 Sample : N2261-09
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFY45

Quant Time: Apr 08 01:22:05 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	5.619	114	161463	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.854	117	150499	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	77258	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	59586	3.951	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.000%
7) Chloroethane-d5	1.568	69	58893	4.653	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.000%
11) 1,1-Dichloroethene-d2	2.111	63	117873	3.608	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.200%
20) 2-Butanone-d5	3.918	46	70367	46.838	ug/L	0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.680%
24) Chloroform-d	4.352	84	103987	5.283	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.600%
26) 1,2-Dichloroethane-d4	5.037	65	45645	5.247	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.000%
32) Benzene-d6	5.050	84	197406	5.185	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.600%
36) 1,2-Dichloropropane-d6	6.072	67	61070	5.723	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	114.400%
41) Toluene-d8	7.317	98	170342	4.878	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.600%
43) trans-1,3-Dichloroprop...	7.625	79	18574	5.336	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	106.800%
46) 2-Hexanone-d5	8.091	63	81765	65.036	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	130.080%#
56) 1,1,2,2-Tetrachloroeth...	10.217	84	41414	5.821	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	116.400%
66) 1,2-Dichlorobenzene-d4	11.622	152	65380	5.269	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.400%
Target Compounds						
					Qvalue	
3) Chloromethane	1.298	50	25041	1.316	ug/L #	78
5) Vinyl chloride	1.310	62	1345	0.063	ug/L #	40
12) 1,1-Dichloroethene	2.121	96	39389	2.423	ug/L #	83
15) Methyl Acetate	2.436	43	1931	0.740	ug/L #	51
17) Methyl tert-butyl Ether	2.770	73	5779	0.281	ug/L #	25
19) 1,1-Dichloroethane	3.191	63	74504	3.825	ug/L	99
22) cis-1,2-Dichloroethene	3.915	96	24219	2.043	ug/L	96
25) Chloroform	4.384	83	4311	0.199	ug/L	91
29) 1,1,1-Trichloroethane	4.613	97	15399	0.846	ug/L	98
31) Carbon tetrachloride	4.609	117	1921	0.122	ug/L	97
33) Benzene	5.108	78	7317	0.166	ug/L	100
34) Trichloroethene	5.915	95	17225	1.421	ug/L	95
35) Methylcyclohexane	6.069	83	15141	0.797	ug/L #	22
39) cis-1,3-Dichloropropene	6.985	75	1560	0.117	ug/L #	64
42) Toluene	7.394	91	32205	0.683	ug/L	96
44) trans-1,3-Dichloropropene	7.632	75	789	0.076	ug/L #	53
47) Tetrachloroethene	7.976	164	18744	2.097	ug/L	97
49) Dibromochloromethane	7.976	129	17659	2.340	ug/L #	11
52) Ethylbenzene	9.024	91	2843	0.057	ug/L	96

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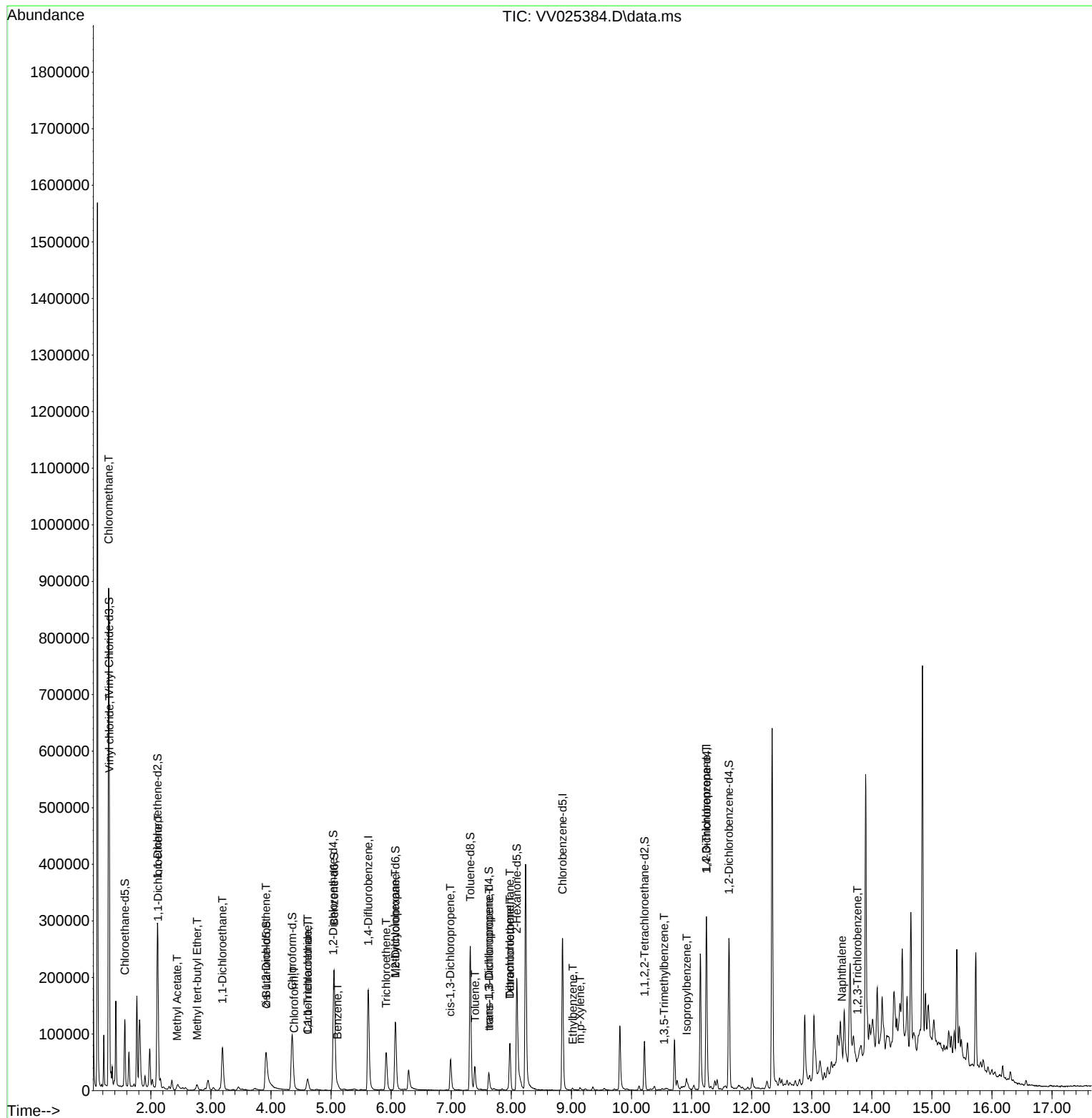
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) m,p-Xylene	9.146	106	1462	0.075	ug/L	87
60) Isopropylbenzene	10.918	105	3140	0.061	ug/L	99
61) 1,2,3-Trichloropropane	11.246	75	10595	1.812	ug/L #	66
62) 1,3,5-Trimethylbenzene	10.545	105	830	0.036	ug/L	93
71) Naphthalene	13.503	128	1404	0.069	ug/L #	85
72) 1,2,3-Trichlorobenzene	13.760	180	718	0.064	ug/L #	36

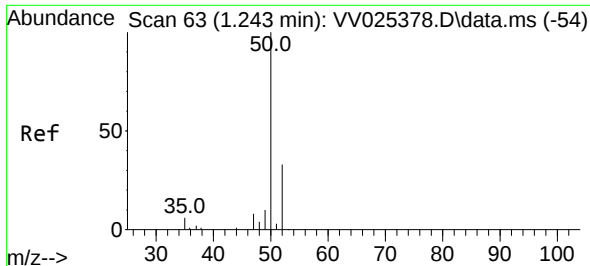
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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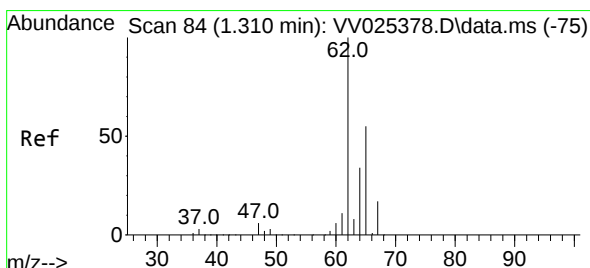
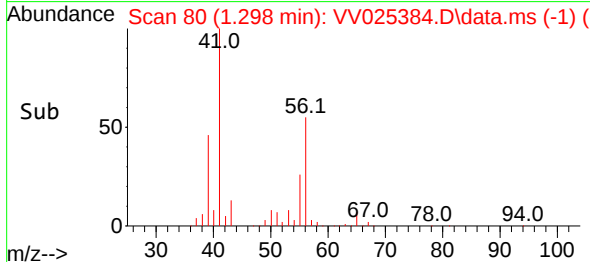
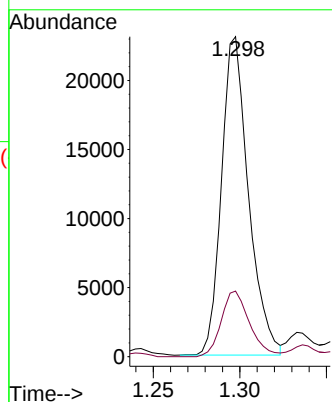
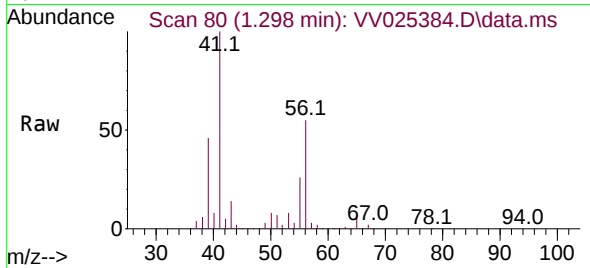




#3
Chloromethane
Concen: 1.316 ug/L
RT: 1.298 min Scan# 80
Delta R.T. 0.055 min
Lab File: VV025384.D
Acq: 07 Apr 2022 14:28

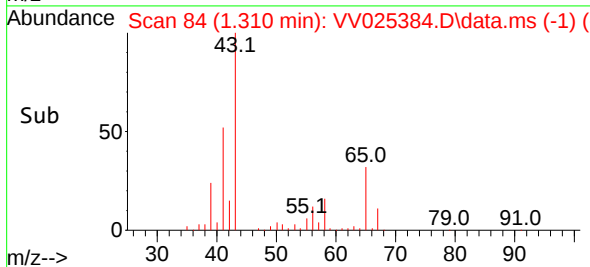
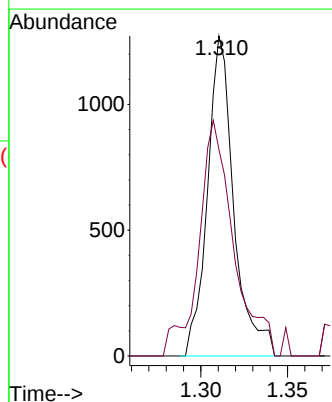
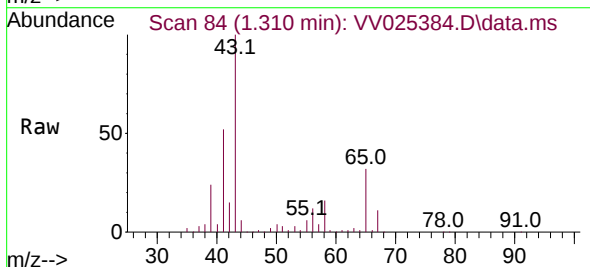
Instrument :
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ClientSampleId :
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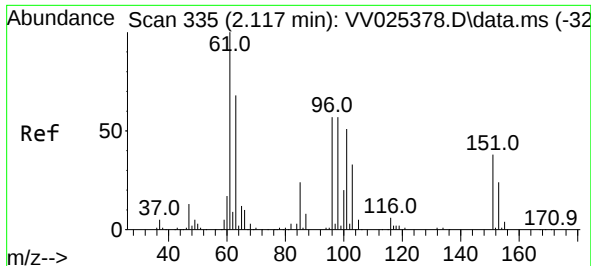
Tgt Ion: 50 Resp: 25041
Ion Ratio Lower Upper
50 100
52 20.5 22.9 42.5#



#5
Vinyl chloride
Concen: 0.063 ug/L
RT: 1.310 min Scan# 84
Delta R.T. 0.000 min
Lab File: VV025384.D
Acq: 07 Apr 2022 14:28

Tgt Ion: 62 Resp: 1345
Ion Ratio Lower Upper
62 100
64 64.5 22.0 40.8#

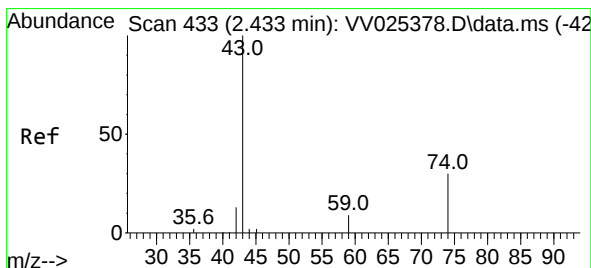
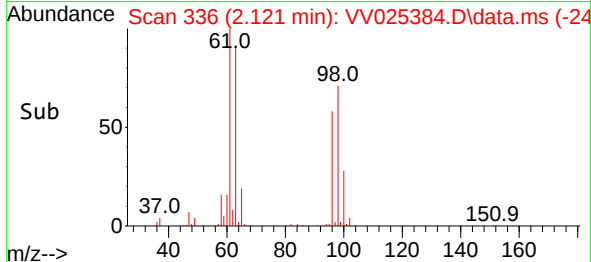
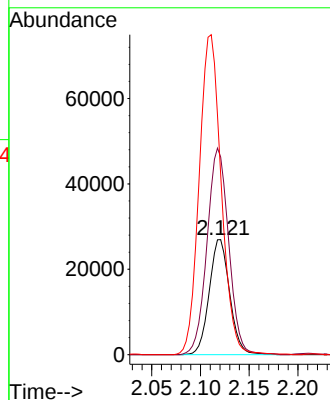
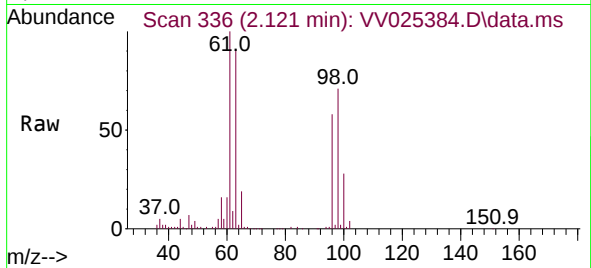




#12
1,1-Dichloroethene
Concen: 2.423 ug/L
RT: 2.121 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV025384.D
Acq: 07 Apr 2022 14:28

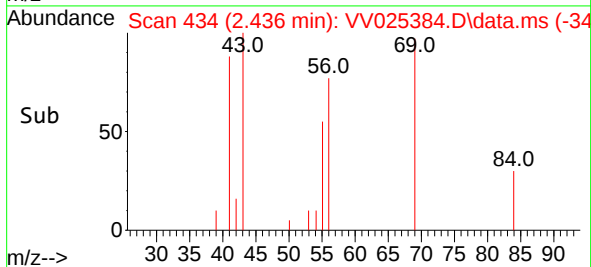
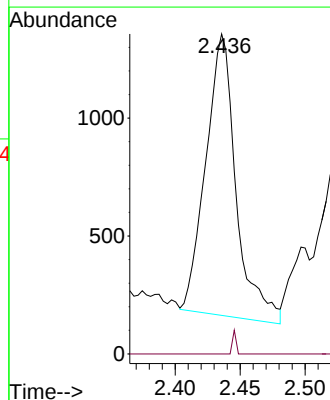
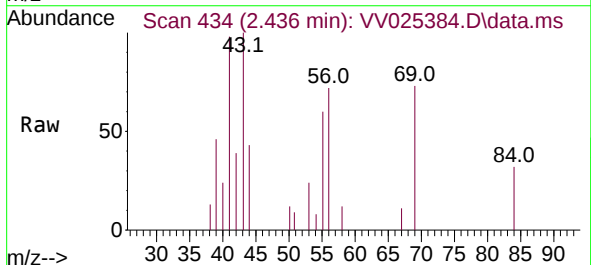
Instrument :
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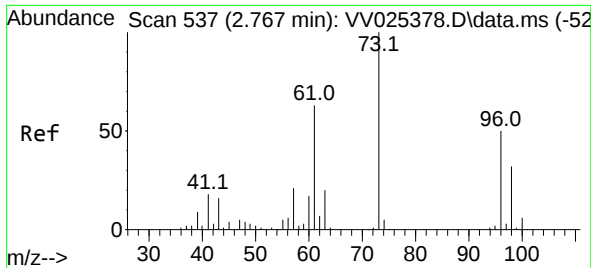
Tgt Ion: 96 Resp: 39389
Ion Ratio Lower Upper
96 100
61 171.8 121.5 225.7
63 156.6 77.9 144.7#



#15
Methyl Acetate
Concen: 0.740 ug/L
RT: 2.436 min Scan# 434
Delta R.T. 0.003 min
Lab File: VV025384.D
Acq: 07 Apr 2022 14:28

Tgt Ion: 43 Resp: 1931
Ion Ratio Lower Upper
43 100
74 1.0 20.9 31.3#

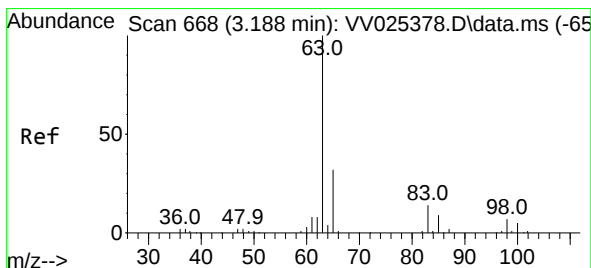
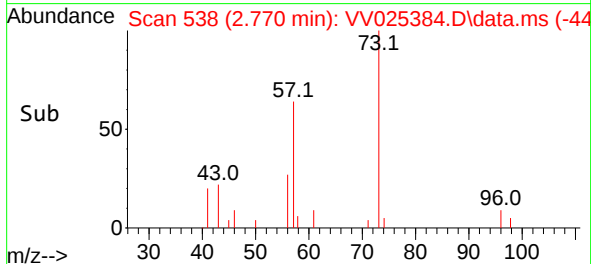
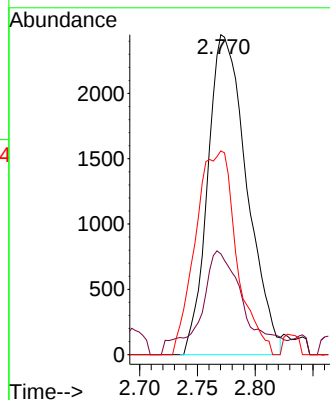
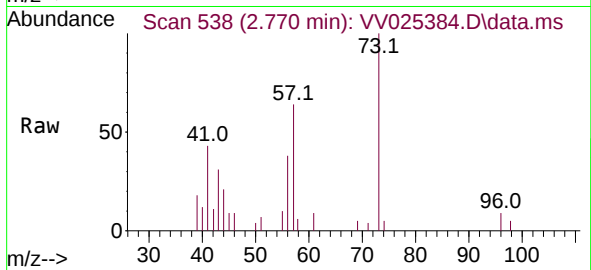




#17
Methyl tert-butyl Ether
Concen: 0.281 ug/L
RT: 2.770 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV025384.D
Acq: 07 Apr 2022 14:28

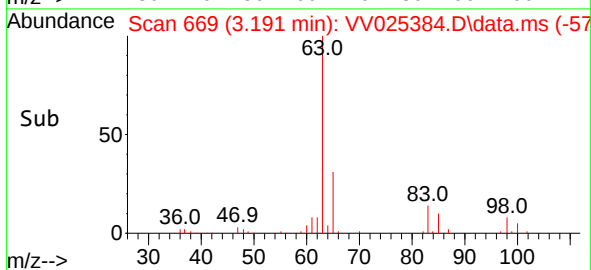
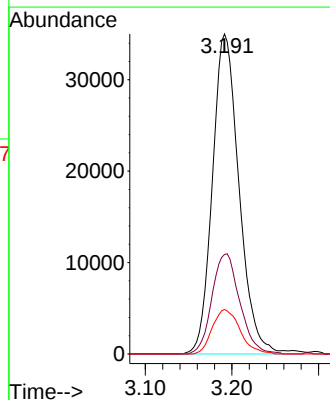
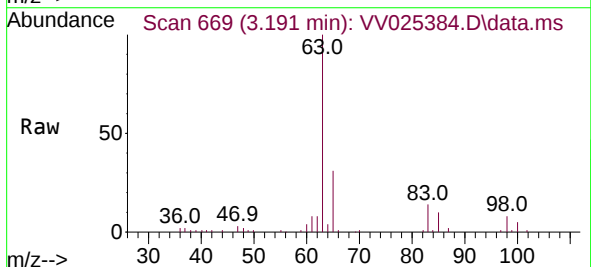
Instrument :
MSVOA_V
ClientSampleId :
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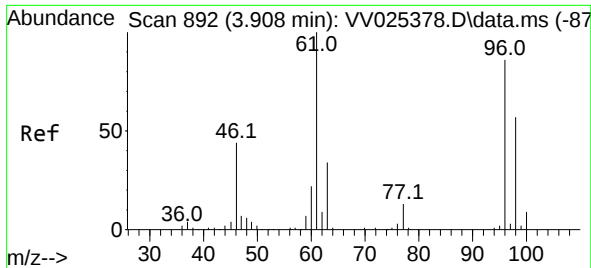
Tgt Ion: 73 Resp: 5779
Ion Ratio Lower Upper
73 100
43 36.0 13.5 20.3#
57 66.7 16.4 24.6#



#19
1,1-Dichloroethane
Concen: 3.825 ug/L
RT: 3.191 min Scan# 669
Delta R.T. 0.003 min
Lab File: VV025384.D
Acq: 07 Apr 2022 14:28

Tgt Ion: 63 Resp: 74504
Ion Ratio Lower Upper
63 100
65 31.1 22.0 40.8
83 13.9 10.2 19.0

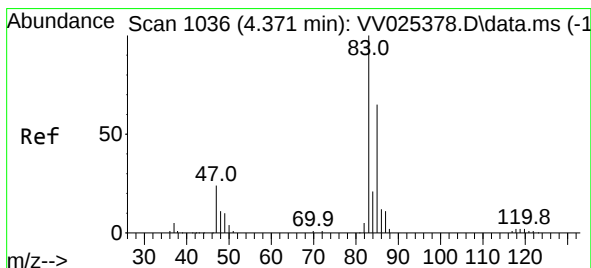
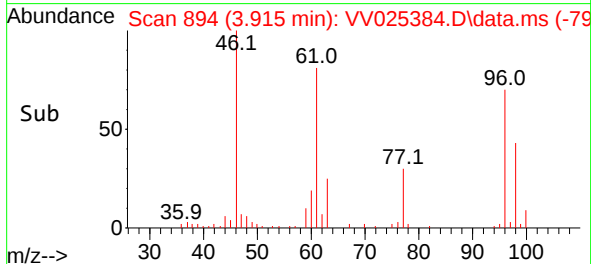
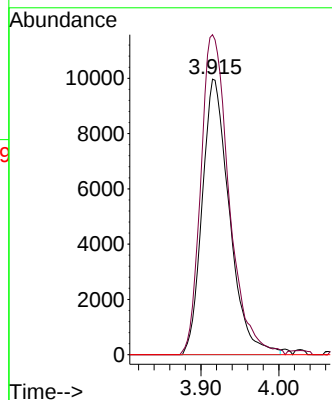
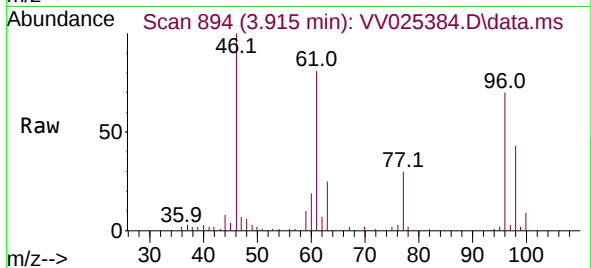




#22
 cis-1,2-Dichloroethene
 Concen: 2.043 ug/L
 RT: 3.915 min Scan# 89
 Delta R.T. 0.006 min
 Lab File: VV025384.D
 Acq: 07 Apr 2022 14:28

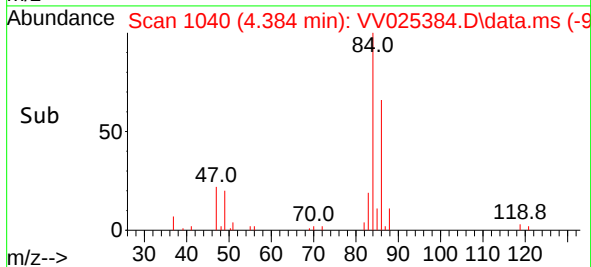
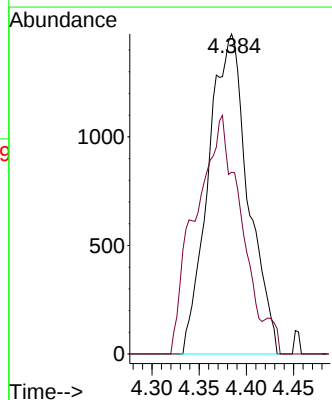
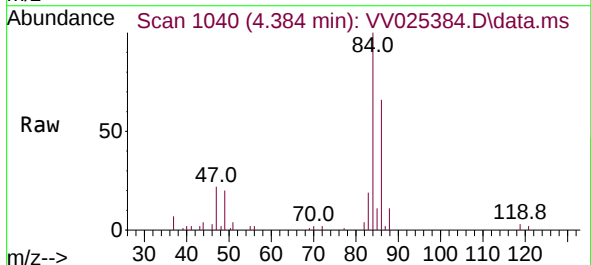
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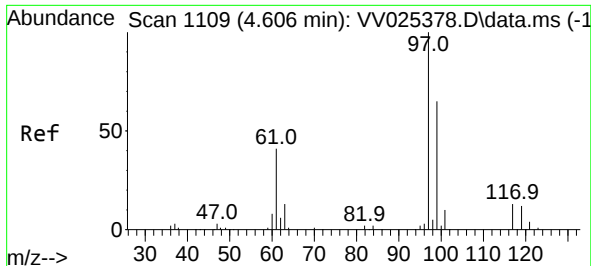
Tgt Ion: 96 Resp: 24219
 Ion Ratio Lower Upper
 96 100
 61 116.2 84.1 156.1
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.199 ug/L
 RT: 4.384 min Scan# 1040
 Delta R.T. 0.013 min
 Lab File: VV025384.D
 Acq: 07 Apr 2022 14:28

Tgt Ion: 83 Resp: 4311
 Ion Ratio Lower Upper
 83 100
 85 56.8 44.7 82.9





#29

1,1,1-Trichloroethane

Concen: 0.846 ug/L

RT: 4.613 min Scan# 1111

Delta R.T. 0.006 min

Lab File: VV025384.D

Acq: 07 Apr 2022 14:28

Instrument :

MSVOA_V

ClientSampleId :

BFY45

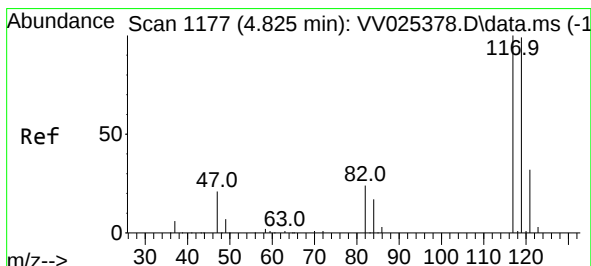
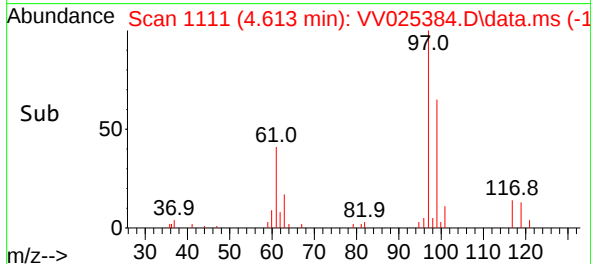
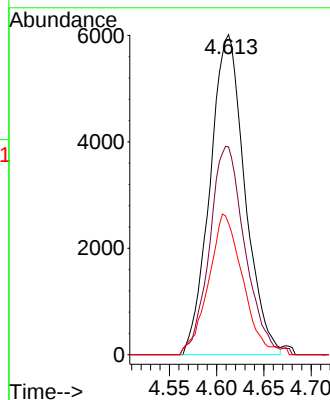
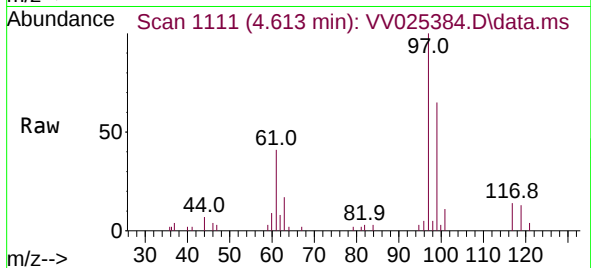
Tgt Ion: 97 Resp: 15399

Ion Ratio Lower Upper

97 100

99 66.4 51.9 77.9

61 43.4 34.2 51.2



#31

Carbon tetrachloride

Concen: 0.122 ug/L

RT: 4.609 min Scan# 1110

Delta R.T. -0.215 min

Lab File: VV025384.D

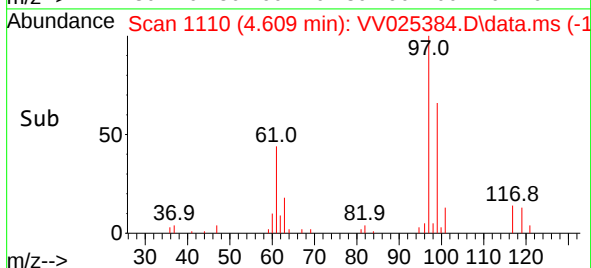
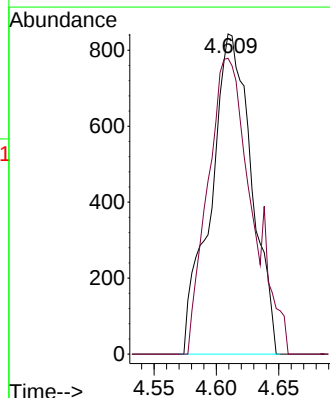
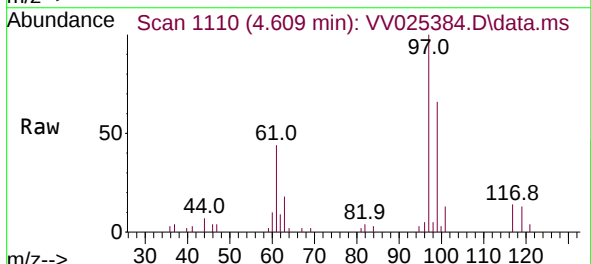
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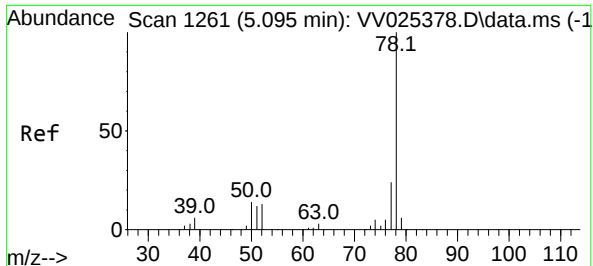
Tgt Ion: 117 Resp: 1921

Ion Ratio Lower Upper

117 100

119 99.7 77.8 116.6

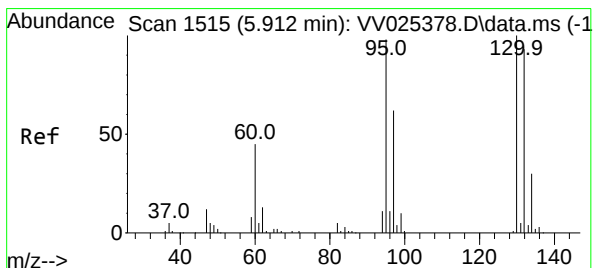
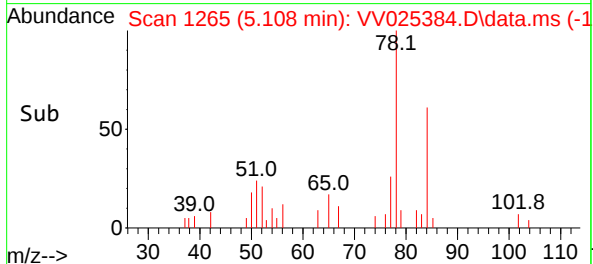
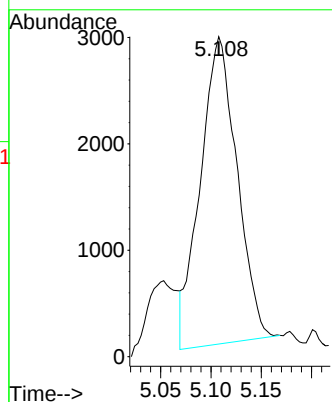
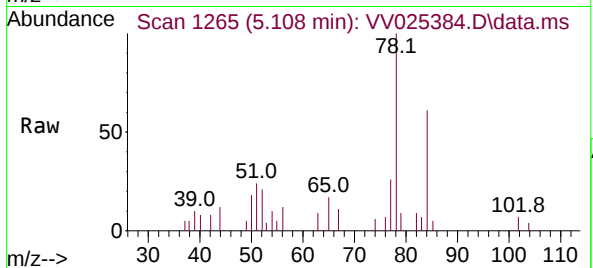




#33
Benzene
Concen: 0.166 ug/L
RT: 5.108 min Scan# 11
Delta R.T. 0.013 min
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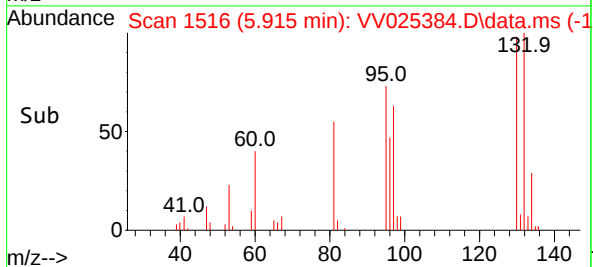
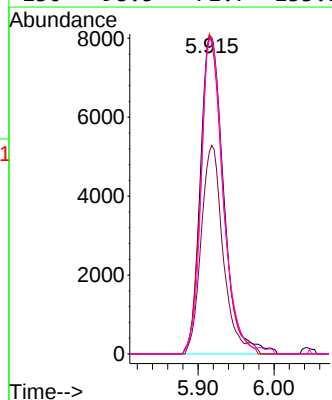
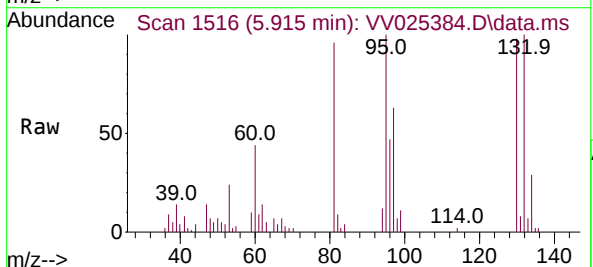
Tgt Ion: 78 Resp: 7317

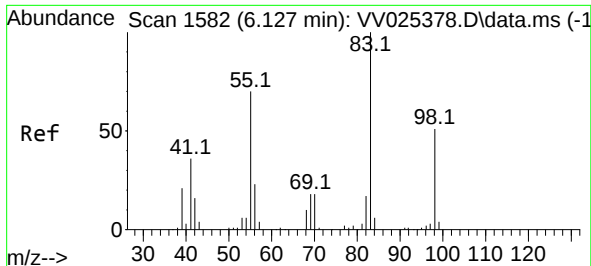


#34
Trichloroethene
Concen: 1.421 ug/L
RT: 5.915 min Scan# 1516
Delta R.T. 0.003 min
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Tgt Ion: 95 Resp: 17225

Ion	Ratio	Lower	Upper
95	100		
97	63.3	46.3	85.9
132	100.4	65.2	121.2
130	98.5	71.7	133.1

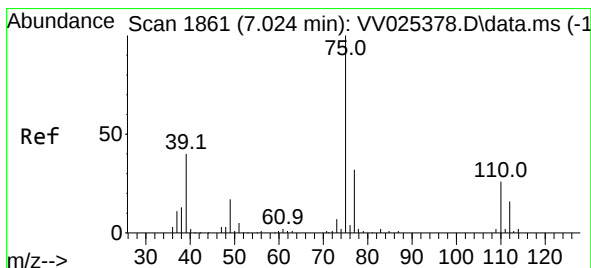
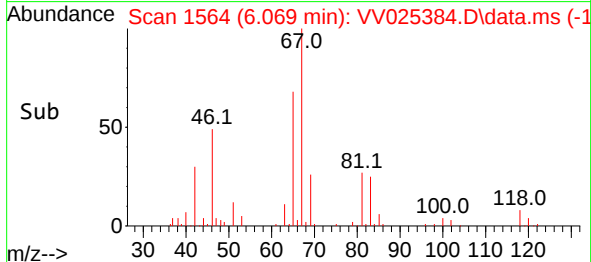
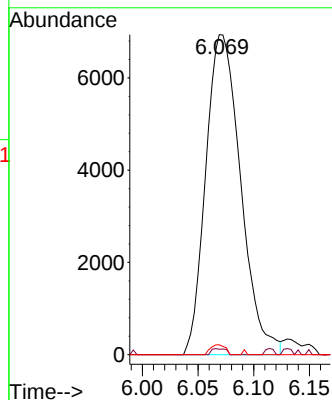
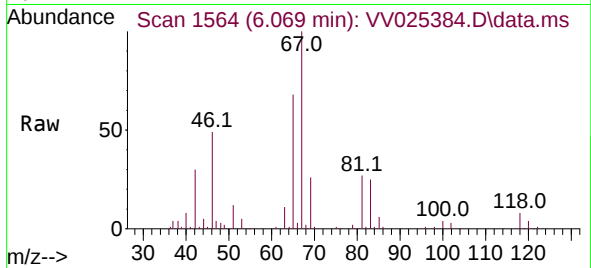




#35
Methylcyclohexane
Concen: 0.797 ug/L
RT: 6.069 min Scan# 11
Delta R.T. -0.058 min
Lab File: VV025384.D
Acq: 07 Apr 2022 14:28

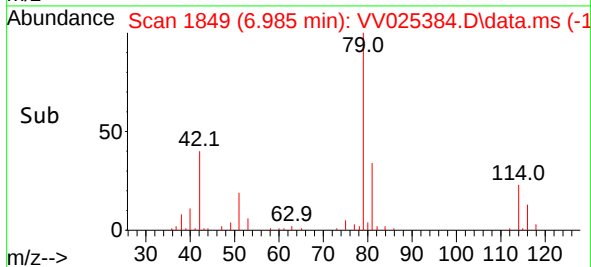
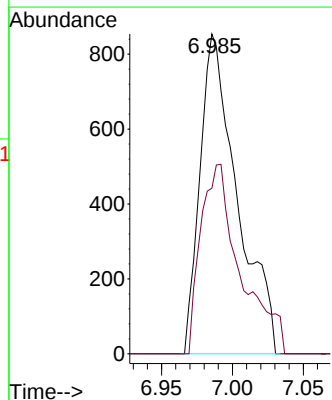
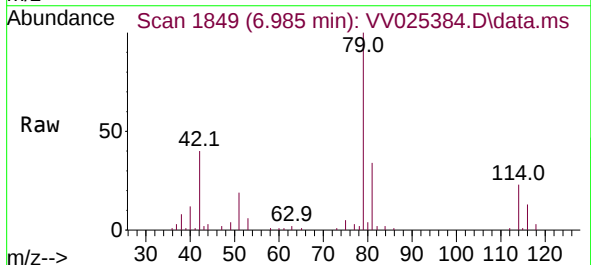
Instrument :
MSVOA_V
ClientSampleId :
BFY45

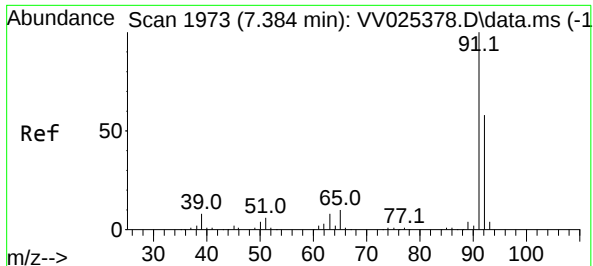
Tgt Ion: 83 Resp: 15141
Ion Ratio Lower Upper
83 100
55 0.8 54.6 81.8#
98 1.3 39.8 59.6#



#39
cis-1,3-Dichloropropene
Concen: 0.117 ug/L
RT: 6.985 min Scan# 1849
Delta R.T. -0.039 min
Lab File: VV025384.D
Acq: 07 Apr 2022 14:28

Tgt Ion: 75 Resp: 1560
Ion Ratio Lower Upper
75 100
77 51.8 22.1 41.1#





#42

Toluene

Concen: 0.683 ug/L

RT: 7.394 min Scan# 1973

Delta R.T. 0.010 min

Lab File: VV025384.D

Acq: 07 Apr 2022 14:28

Instrument :

MSVOA_V

ClientSampleId :

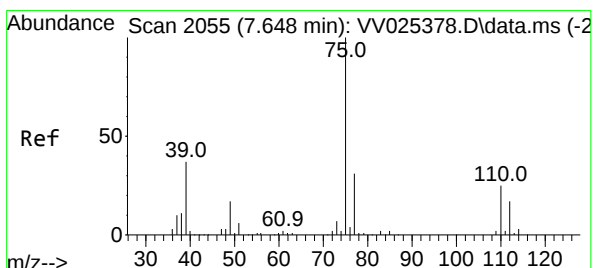
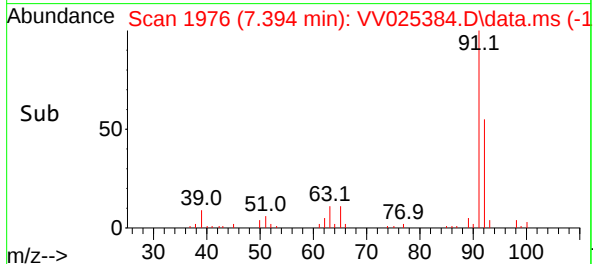
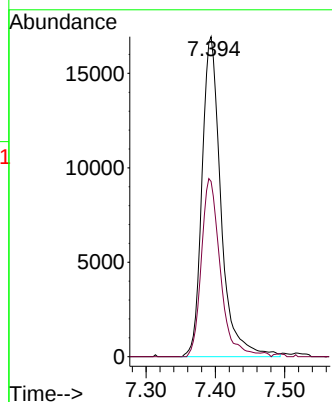
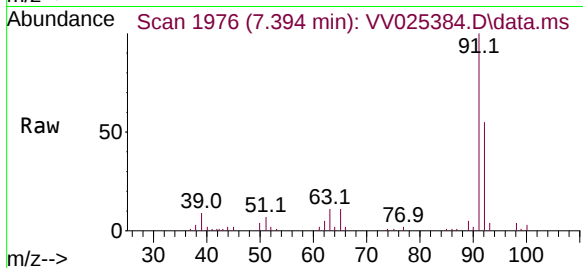
BFY45

Tgt Ion: 91 Resp: 32205

Ion Ratio Lower Upper

91 100

92 54.8 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 0.076 ug/L

RT: 7.632 min Scan# 2050

Delta R.T. -0.016 min

Lab File: VV025384.D

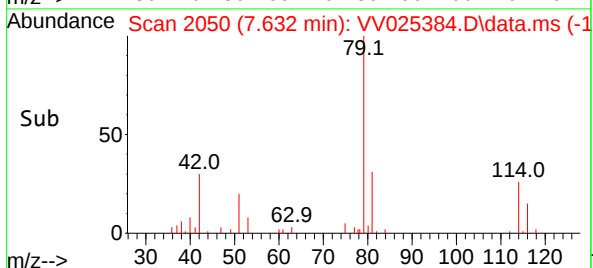
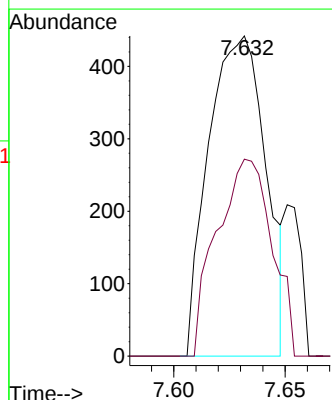
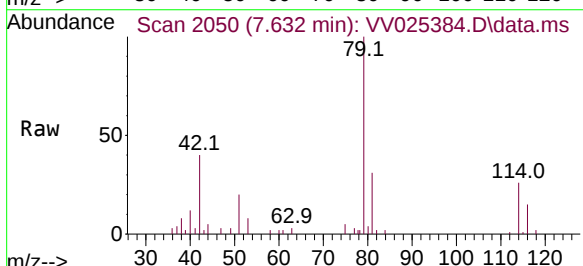
Acq: 07 Apr 2022 14:28

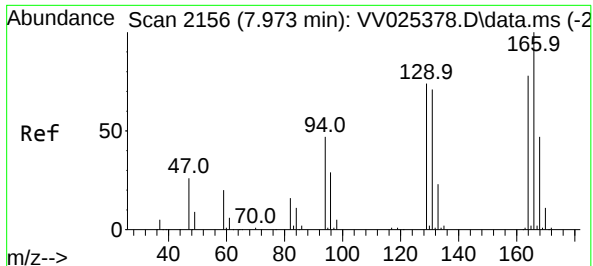
Tgt Ion: 75 Resp: 789

Ion Ratio Lower Upper

75 100

77 61.5 24.2 45.0#





#47

Tetrachloroethene

Concen: 2.097 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.003 min

Lab File: VV025384.D

Acq: 07 Apr 2022 14:28

Instrument :

MSVOA_V

ClientSampleId :

BFY45

Tgt Ion:164 Resp: 18744

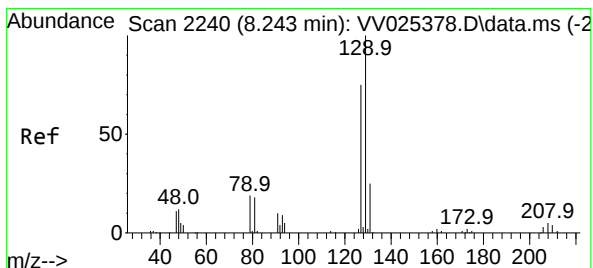
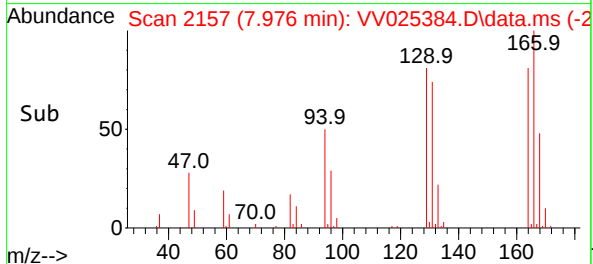
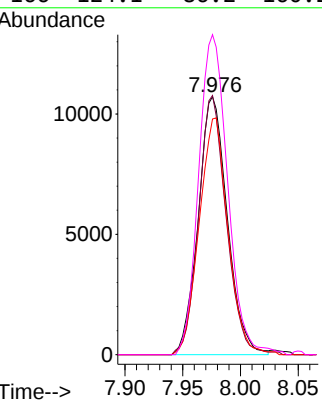
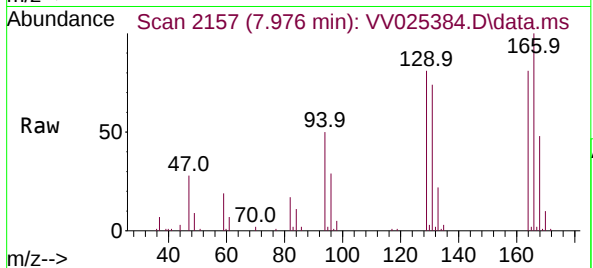
Ion Ratio Lower Upper

164 100

129 100.5 67.5 125.4

131 91.4 68.0 126.4

166 124.1 86.2 160.2



#49

Dibromochloromethane

Concen: 2.340 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.267 min

Lab File: VV025384.D

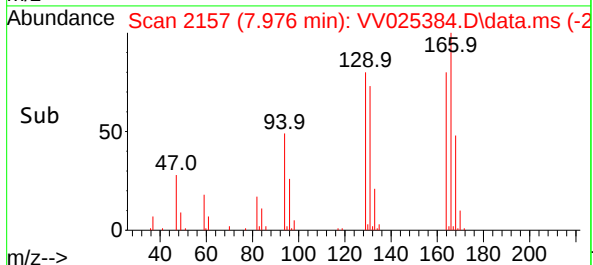
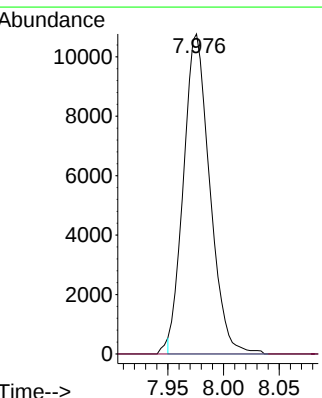
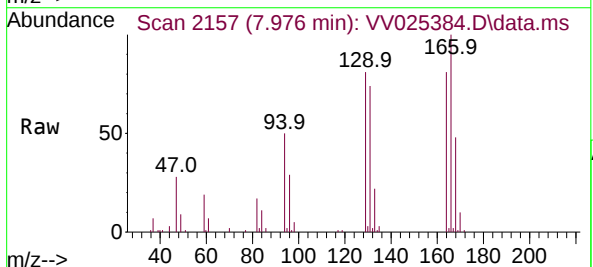
Acq: 07 Apr 2022 14:28

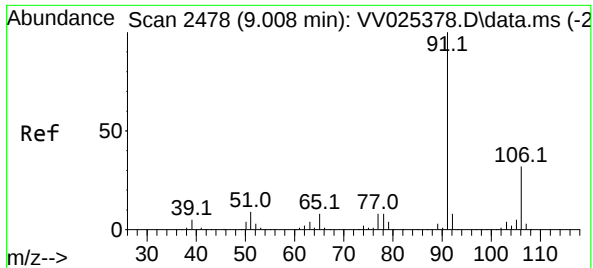
Tgt Ion:129 Resp: 17659

Ion Ratio Lower Upper

129 100

127 0.0 54.1 100.5#

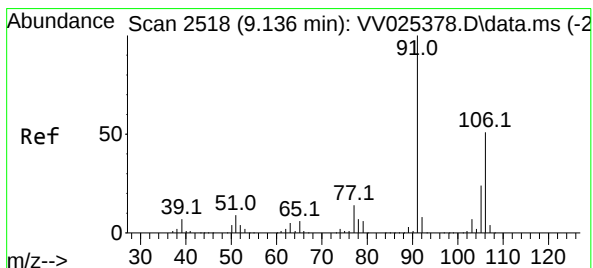
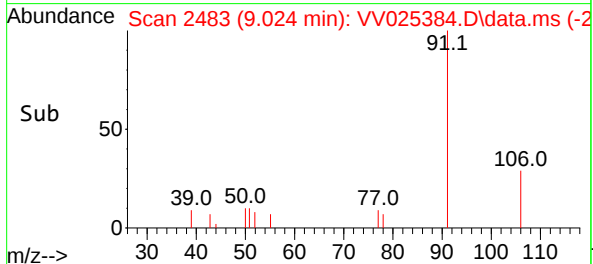
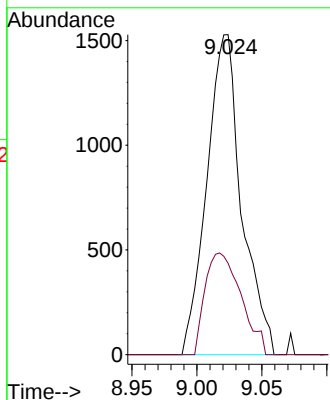
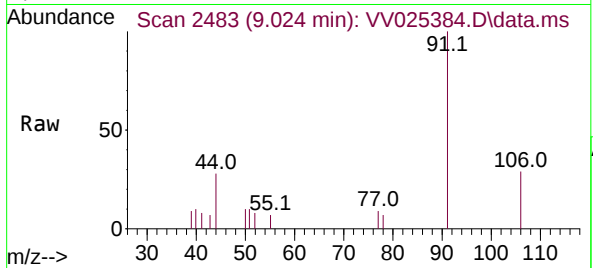




#52
Ethylbenzene
Concen: 0.057 ug/L
RT: 9.024 min Scan# 2478
Delta R.T. 0.016 min
Lab File: VV025384.D
Acq: 07 Apr 2022 14:28

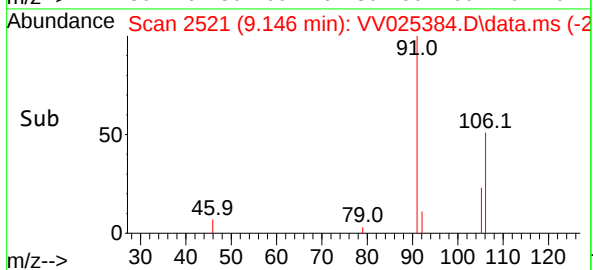
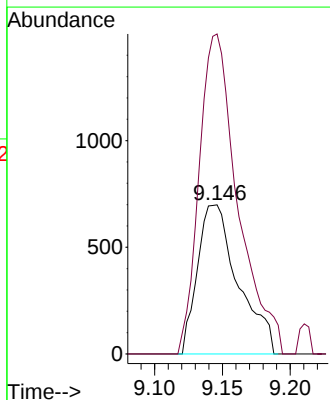
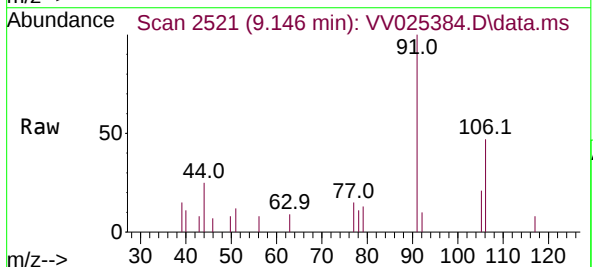
Instrument :
MSVOA_V
ClientSampleId :
BFY45

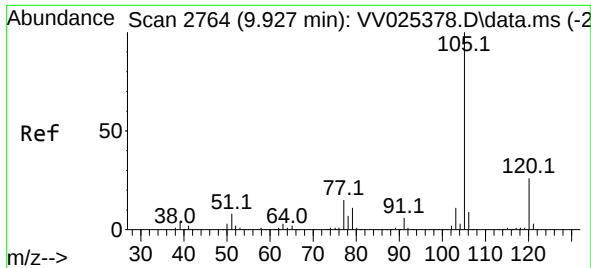
Tgt Ion: 91 Resp: 2843
Ion Ratio Lower Upper
91 100
106 28.5 21.7 40.3



#53
m,p-Xylene
Concen: 0.075 ug/L
RT: 9.146 min Scan# 2521
Delta R.T. 0.010 min
Lab File: VV025384.D
Acq: 07 Apr 2022 14:28

Tgt Ion: 106 Resp: 1462
Ion Ratio Lower Upper
106 100
91 214.6 136.8 254.0

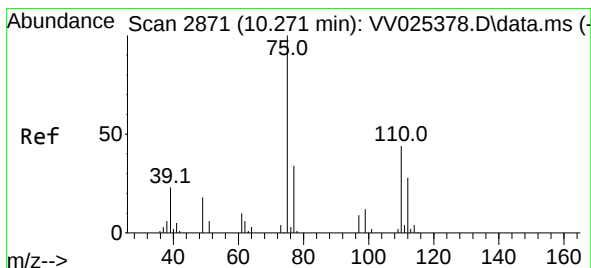
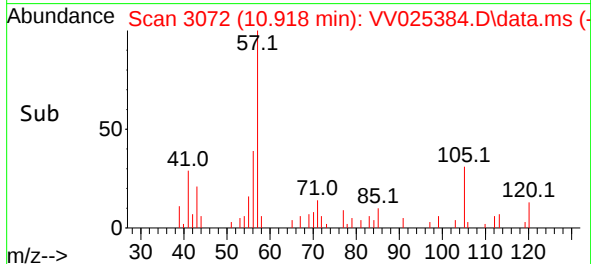
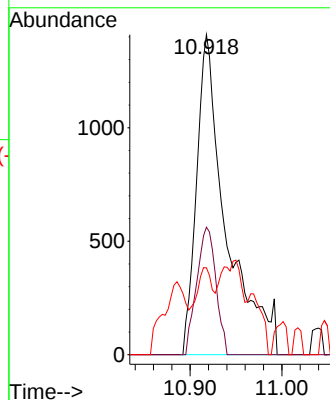
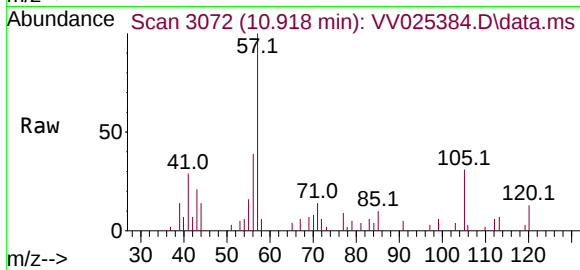




#60
Isopropylbenzene
Concen: 0.061 ug/L
RT: 10.918 min Scan# 3107
Delta R.T. 0.990 min
Lab File: VV025384.D
Acq: 07 Apr 2022 14:28

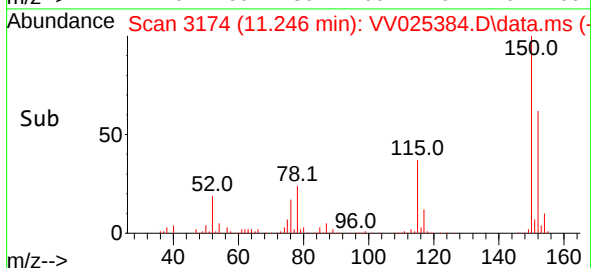
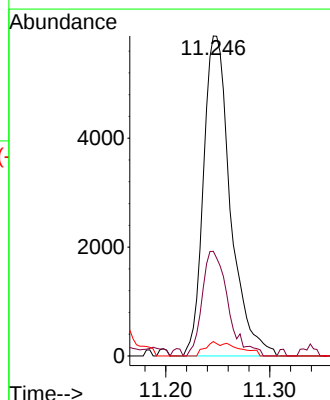
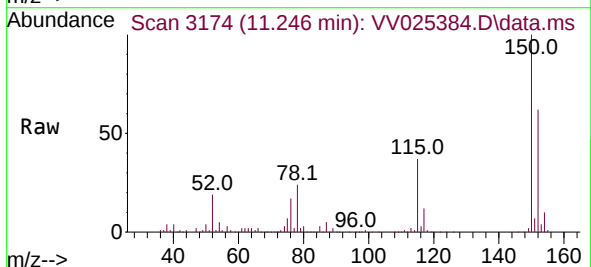
Instrument :
MSVOA_V
ClientSampleId :
BFY45

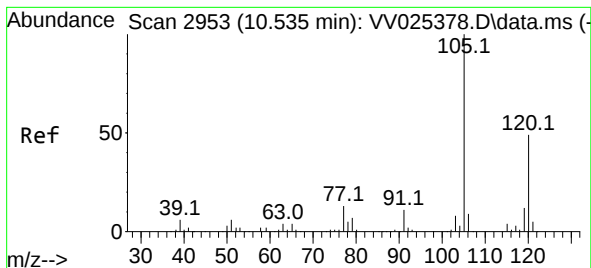
Tgt Ion:105 Resp: 3140
Ion Ratio Lower Upper
105 100
120 26.0 21.1 31.7
77 16.8 12.6 18.8



#61
1,2,3-Trichloropropane
Concen: 1.812 ug/L
RT: 11.246 min Scan# 3174
Delta R.T. 0.974 min
Lab File: VV025384.D
Acq: 07 Apr 2022 14:28

Tgt Ion: 75 Resp: 10595
Ion Ratio Lower Upper
75 100
77 31.3 25.8 38.6
110 2.4 31.6 47.4#





#62

1,3,5-Trimethylbenzene

Concen: 0.036 ug/L

RT: 10.545 min Scan# 2956

Delta R.T. 0.010 min

Lab File: VV025384.D

Acq: 07 Apr 2022 14:28

Instrument :

MSVOA_V

ClientSampleId :

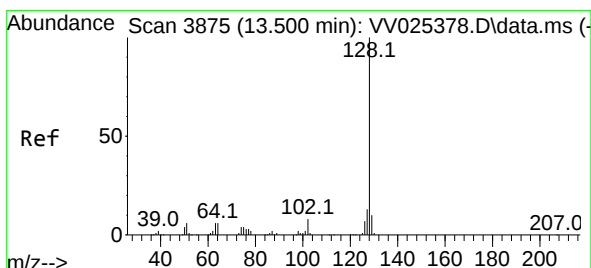
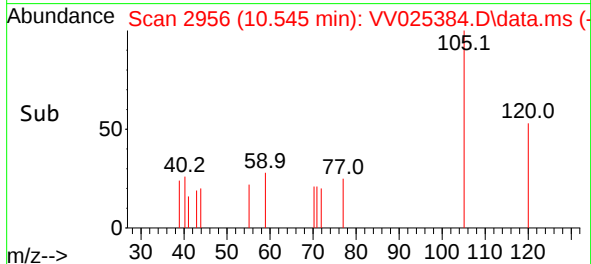
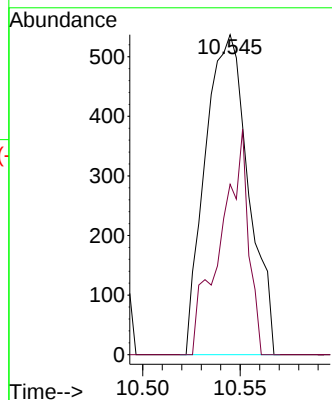
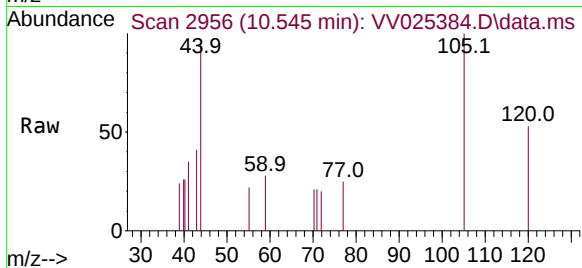
BFY45

Tgt Ion:105 Resp: 830

Ion Ratio Lower Upper

105 100

120 45.1 39.7 59.5



#71

Naphthalene

Concen: 0.069 ug/L

RT: 13.503 min Scan# 3876

Delta R.T. 0.003 min

Lab File: VV025384.D

Acq: 07 Apr 2022 14:28

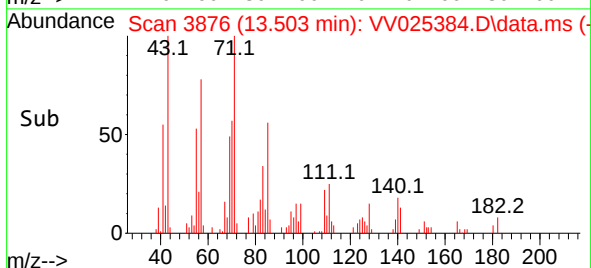
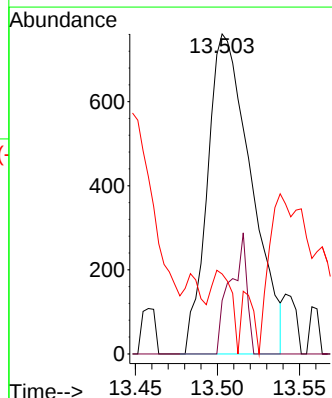
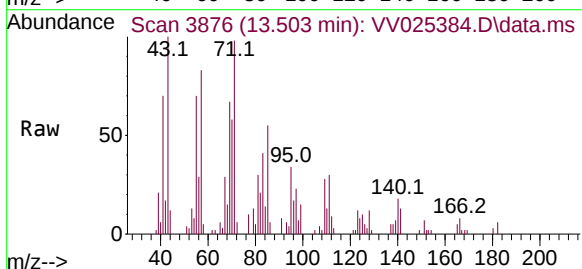
Tgt Ion:128 Resp: 1404

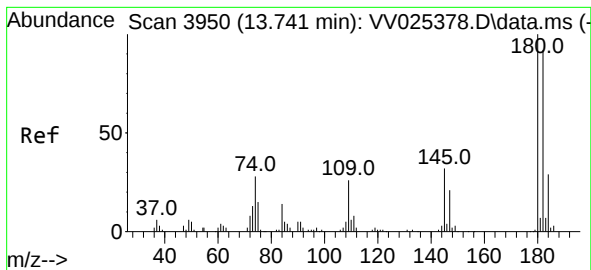
Ion Ratio Lower Upper

128 100

129 0.0 8.8 13.2#

127 11.9 10.6 16.0





#72

1,2,3-Trichlorobenzene

Concen: 0.064 ug/L

RT: 13.760 min Scan# 3956

Delta R.T. 0.019 min

Lab File: VV025384.D

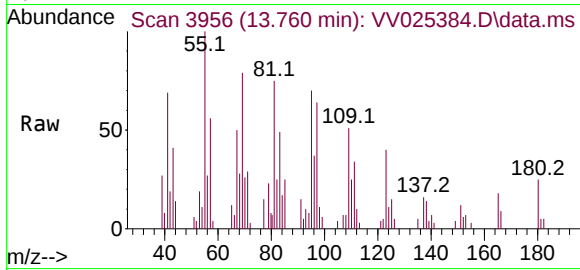
Acq: 07 Apr 2022 14:28

Instrument :

MSVOA_V

ClientSampleId :

BFY45



Tgt Ion:180 Resp: 718

Ion Ratio Lower Upper

180 100

182 30.9 75.8 113.6#

145 0.0 28.6 42.8#

