

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW040722\
 Data File : VW025383.D
 Acq On : 07 Apr 2022 14:05
 Operator : SY/MD
 Sample : N2261-08
 Misc : 25mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFY44

Quant Time: Apr 08 01:21:46 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	160791	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.857	117	149397	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	74800	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.301	65	75150	5.004	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	= 100.000%	
7) Chloroethane-d5	1.568	69	65483	5.195	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	= 103.800%	
11) 1,1-Dichloroethene-d2	2.114	63	129869	3.992	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	= 79.800%	
20) 2-Butanone-d5	3.969	46	198748	132.845	ug/L	0.09
Spiked Amount	50.000	Range	40 - 130	Recovery	= 265.680%#	
24) Chloroform-d	4.342	84	111404	5.684	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 113.600%	
26) 1,2-Dichloroethane-d4	5.040	65	45148	5.211	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 104.200%	
32) Benzene-d6	5.047	84	193384	5.117	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 102.400%	
36) 1,2-Dichloropropane-d6	6.088	67	58331	5.507	ug/L	0.02
Spiked Amount	5.000	Range	60 - 140	Recovery	= 110.200%	
41) Toluene-d8	7.329	98	164459	4.744	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	= 94.800%	
43) trans-1,3-Dichloroprop...	7.638	79	16661	4.821	ug/L	0.02
Spiked Amount	5.000	Range	55 - 130	Recovery	= 96.400%	
46) 2-Hexanone-d5	8.107	63	78201	62.660	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	= 125.320%	
56) 1,1,2,2-Tetrachloroeth...	10.217	84	39988	5.662	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	= 113.200%	
66) 1,2-Dichlorobenzene-d4	11.625	152	63537	5.289	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	= 105.800%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	30256	1.597	ug/L #	80
5) Vinyl chloride	1.304	62	1828	0.086	ug/L #	5
12) 1,1-Dichloroethene	2.124	96	43036	2.658	ug/L #	71
13) Acetone	2.269	43	8905	7.800	ug/L	73
15) Methyl Acetate	2.439	43	3778	1.454	ug/L #	51
17) Methyl tert-butyl Ether	2.786	73	11290	0.551	ug/L #	82
18) trans-1,2-Dichloroethene	2.757	96	751	0.065	ug/L	95
19) 1,1-Dichloroethane	3.188	63	139020	7.167	ug/L	99
22) cis-1,2-Dichloroethene	3.902	96	42085	3.565	ug/L #	87
25) Chloroform	4.375	83	4221	0.196	ug/L	99
29) 1,1,1-Trichloroethane	4.596	97	15042	0.833	ug/L	97
31) Carbon tetrachloride	4.600	117	1967	0.126	ug/L	93
33) Benzene	5.101	78	7811	0.178	ug/L	100
34) Trichloroethene	5.921	95	16013	1.331	ug/L	94
35) Methylcyclohexane	6.091	83	14912	0.791	ug/L #	22
37) 1,2-Dichloropropane	6.091	63	6737	0.663	ug/L #	84
39) cis-1,3-Dichloropropene	7.005	75	1459	0.111	ug/L #	56
42) Toluene	7.403	91	29631	0.633	ug/L	93
44) trans-1,3-Dichloropropene	7.638	75	926	0.089	ug/L #	82

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

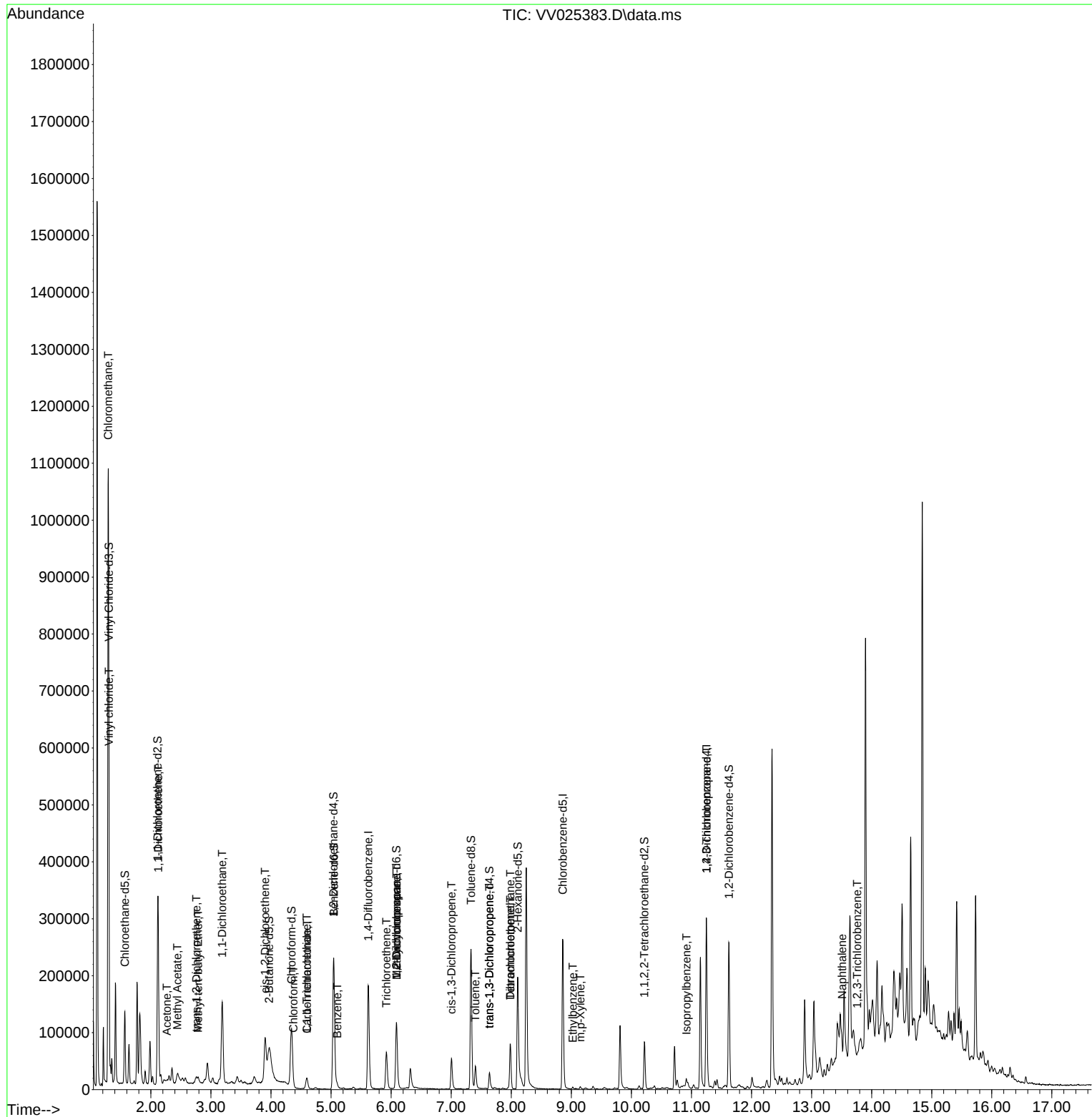
47) Tetrachloroethene	7.985	164	17140	1.932	ug/L	96
49) Dibromochloromethane	7.985	129	16656	2.224	ug/L #	11
52) Ethylbenzene	9.024	91	2642	0.053	ug/L	91
53) m,p-Xylene	9.149	106	1584	0.082	ug/L	97
60) Isopropylbenzene	10.918	105	2804	0.057	ug/L	97
61) 1,2,3-Trichloropropane	11.249	75	10067	1.779	ug/L #	63
71) Naphthalene	13.509	128	1895	0.096	ug/L #	85
72) 1,2,3-Trichlorobenzene	13.760	180	1304	0.120	ug/L #	15

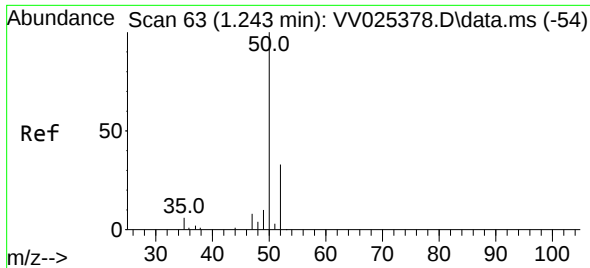
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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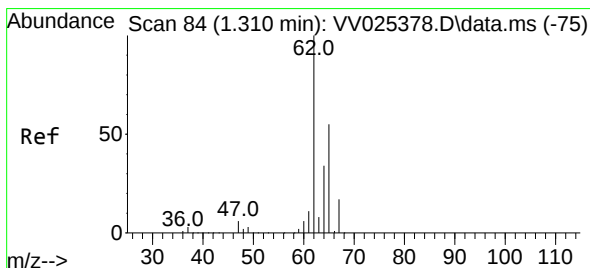
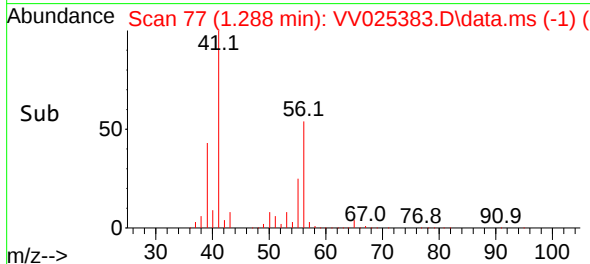
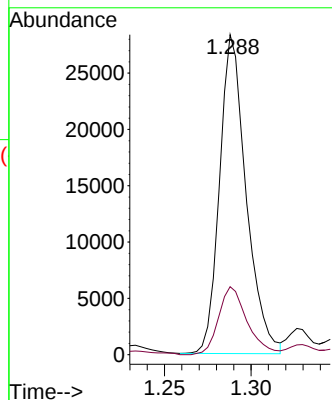
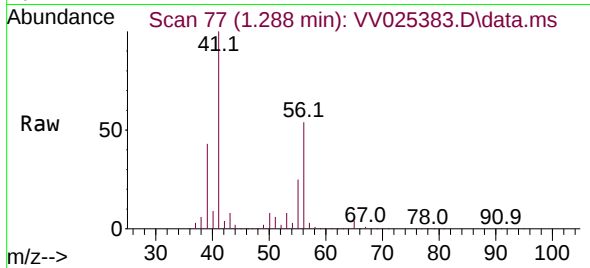




#3
Chloromethane
Concen: 1.597 ug/L
RT: 1.288 min Scan# 71
Delta R.T. 0.045 min
Lab File: VV025383.D
Acq: 07 Apr 2022 14:05

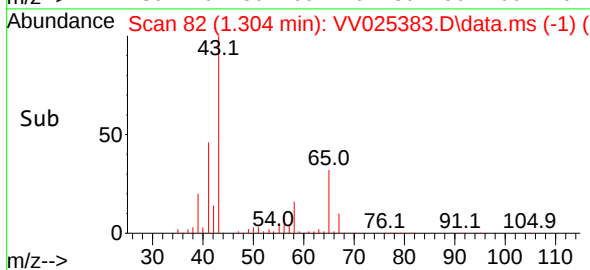
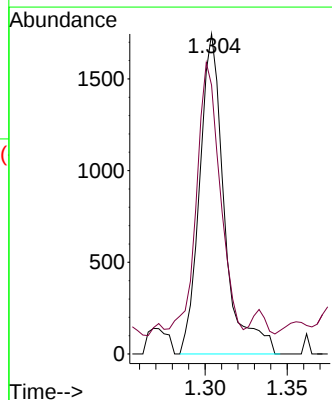
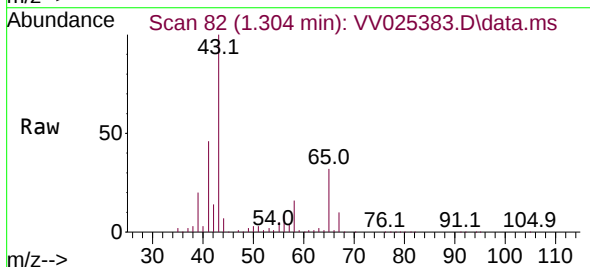
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MSVOA_V
ClientSampleId :
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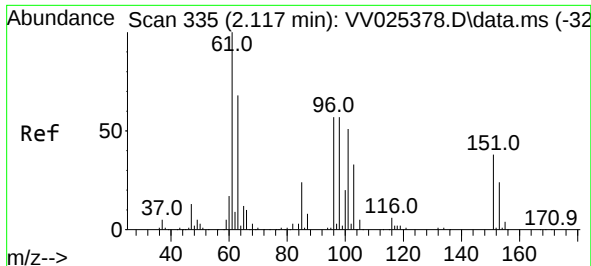
Tgt Ion: 50 Resp: 30256
Ion Ratio Lower Upper
50 100
52 21.3 22.9 42.5#



#5
Vinyl chloride
Concen: 0.086 ug/L
RT: 1.304 min Scan# 82
Delta R.T. -0.006 min
Lab File: VV025383.D
Acq: 07 Apr 2022 14:05

Tgt Ion: 62 Resp: 1828
Ion Ratio Lower Upper
62 100
64 84.0 22.0 40.8#





#12

1,1-Dichloroethene

Concen: 2.658 ug/L

RT: 2.124 min Scan# 31

Delta R.T. 0.006 min

Lab File: VV025383.D

Acq: 07 Apr 2022 14:05

Instrument :

MSVOA_V

ClientSampleId :

BFY44

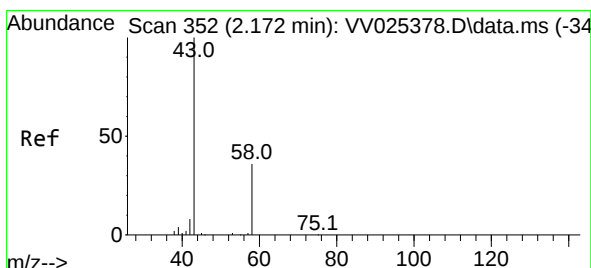
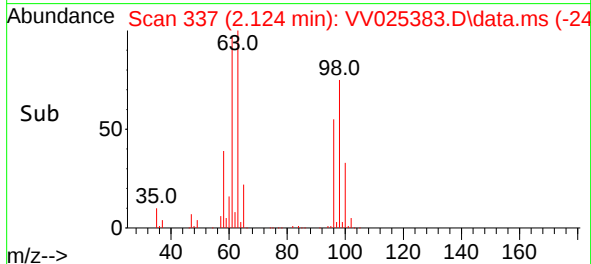
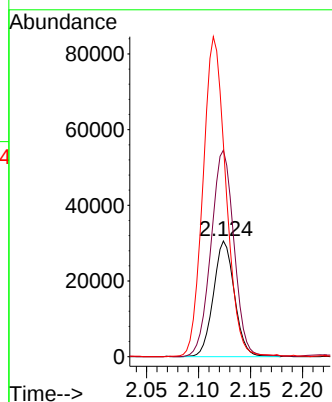
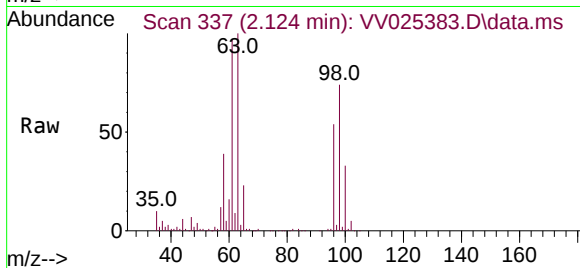
Tgt Ion: 96 Resp: 43036

Ion Ratio Lower Upper

96 100

61 178.6 121.5 225.7

63 183.8 77.9 144.7#



#13

Acetone

Concen: 7.800 ug/L

RT: 2.269 min Scan# 382

Delta R.T. 0.096 min

Lab File: VV025383.D

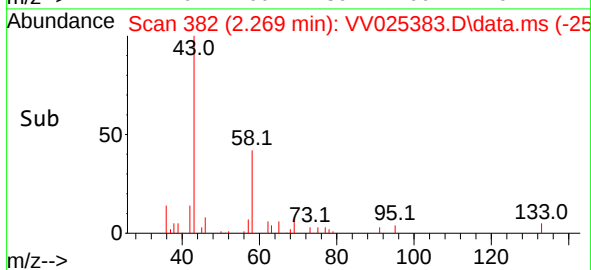
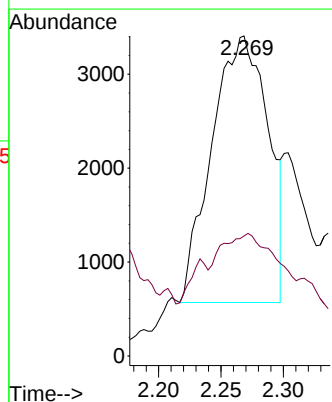
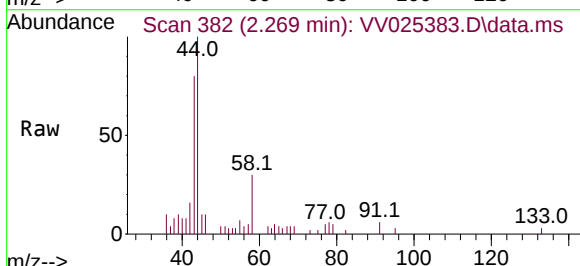
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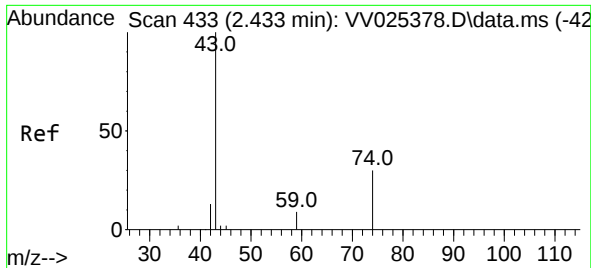
Tgt Ion: 43 Resp: 8905

Ion Ratio Lower Upper

43 100

58 39.3 0.0 51.2

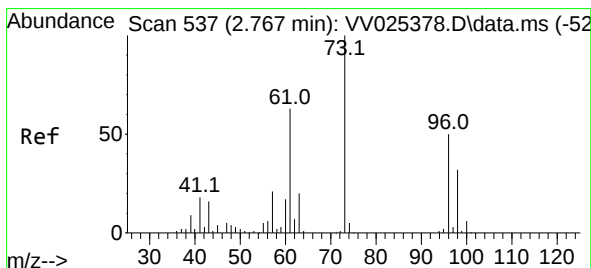
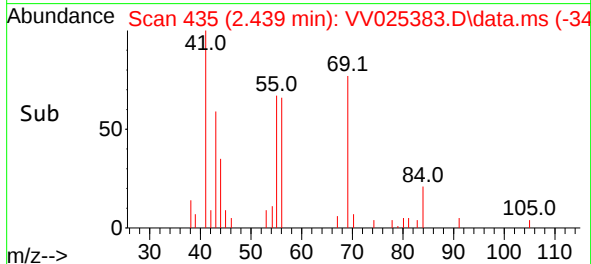
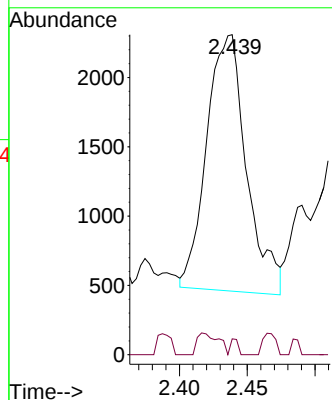
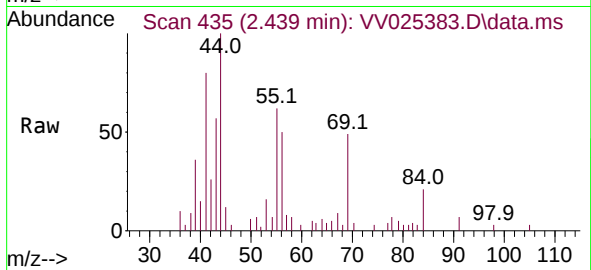




#15
Methyl Acetate
Concen: 1.454 ug/L
RT: 2.439 min Scan# 41
Delta R.T. 0.006 min
Lab File: VV025383.D
Acq: 07 Apr 2022 14:05

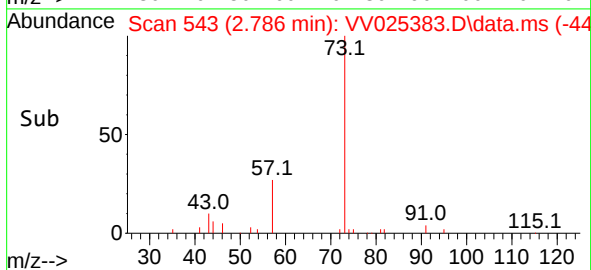
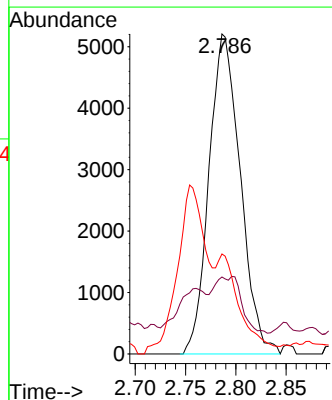
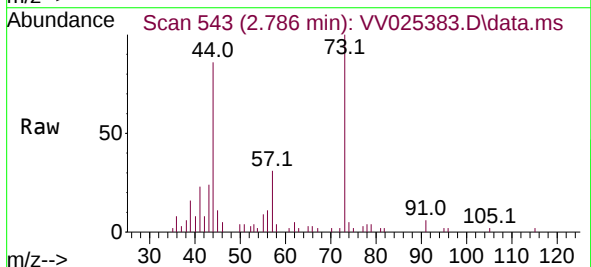
Instrument :
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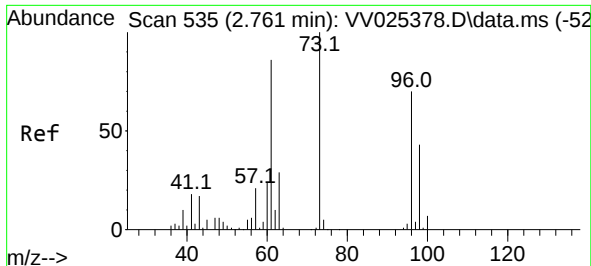
Tgt Ion: 43 Resp: 3778
Ion Ratio Lower Upper
43 100
74 1.1 20.9 31.3#



#17
Methyl tert-butyl Ether
Concen: 0.551 ug/L
RT: 2.786 min Scan# 543
Delta R.T. 0.019 min
Lab File: VV025383.D
Acq: 07 Apr 2022 14:05

Tgt Ion: 73 Resp: 11290
Ion Ratio Lower Upper
73 100
43 2.2 13.5 20.3#
57 18.3 16.4 24.6

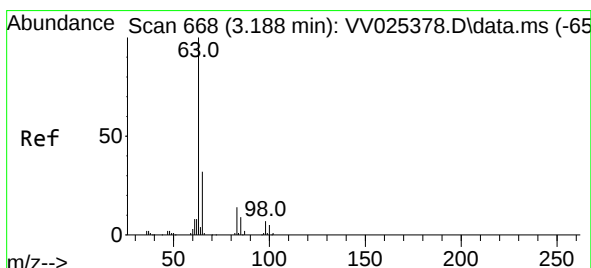
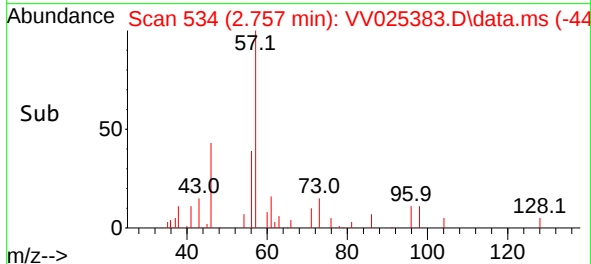
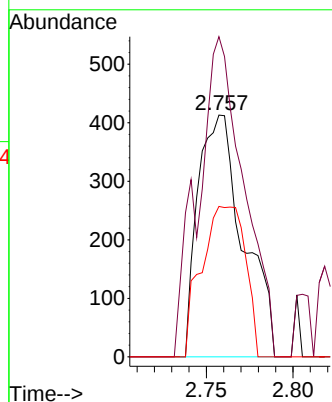
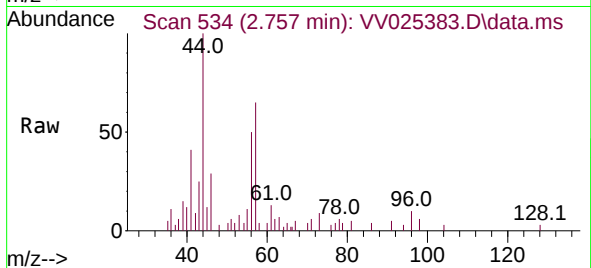




#18
trans-1,2-Dichloroethene
Concen: 0.065 ug/L
RT: 2.757 min Scan# 511
Delta R.T. -0.003 min
Lab File: VV025383.D
Acq: 07 Apr 2022 14:05

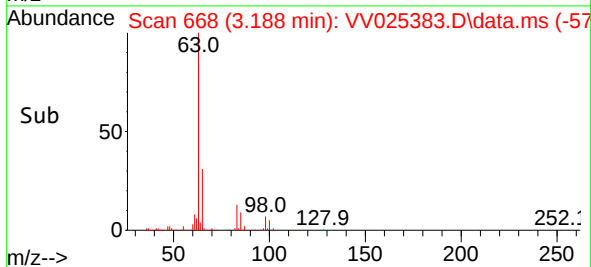
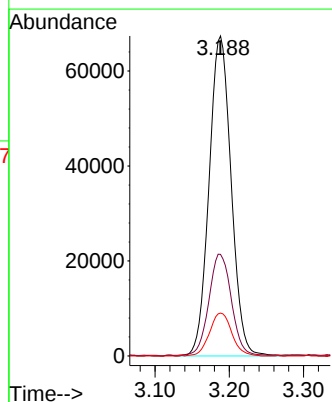
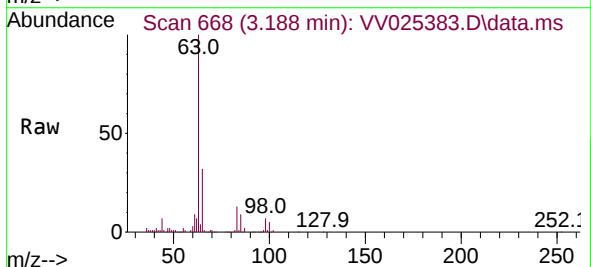
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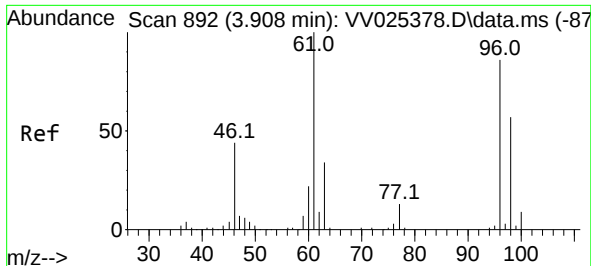
Tgt Ion: 96 Resp: 751
Ion Ratio Lower Upper
96 100
61 132.4 87.6 162.8
98 62.2 44.0 81.8



#19
1,1-Dichloroethane
Concen: 7.167 ug/L
RT: 3.188 min Scan# 668
Delta R.T. -0.000 min
Lab File: VV025383.D
Acq: 07 Apr 2022 14:05

Tgt Ion: 63 Resp: 139020
Ion Ratio Lower Upper
63 100
65 31.8 22.0 40.8
83 13.4 10.2 19.0

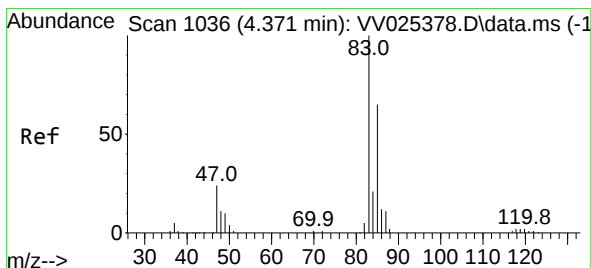
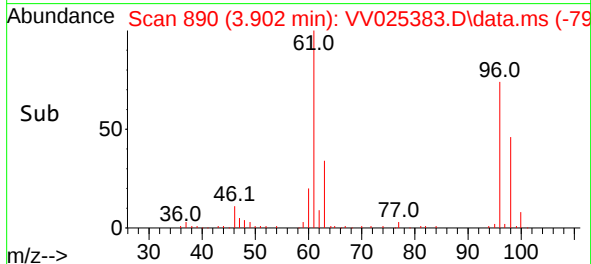
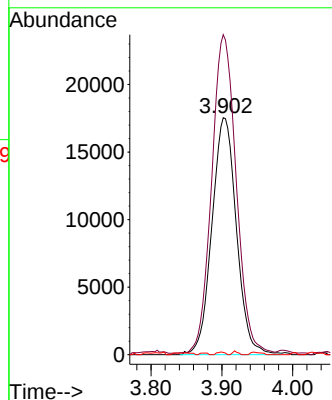
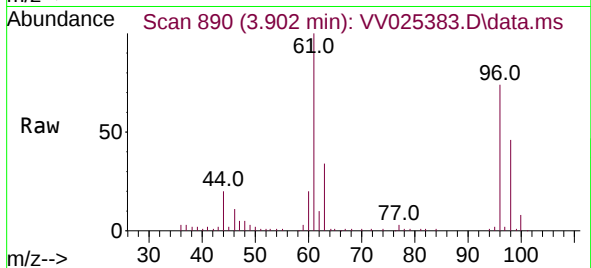




#22
 cis-1,2-Dichloroethene
 Concen: 3.565 ug/L
 RT: 3.902 min Scan# 89
 Delta R.T. -0.006 min
 Lab File: VV025383.D
 Acq: 07 Apr 2022 14:05

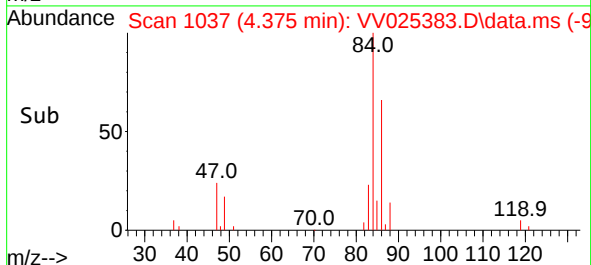
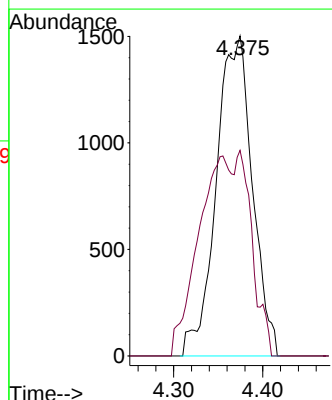
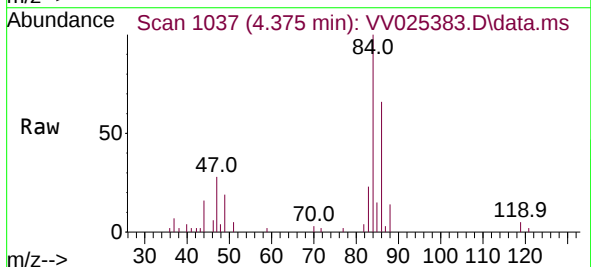
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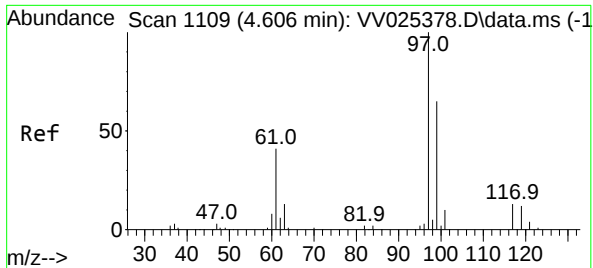
Tgt Ion: 96 Resp: 42085
 Ion Ratio Lower Upper
 96 100
 61 135.0 84.1 156.1
 68 0.9 0.0 0.0#



#25
 Chloroform
 Concen: 0.196 ug/L
 RT: 4.375 min Scan# 1037
 Delta R.T. 0.003 min
 Lab File: VV025383.D
 Acq: 07 Apr 2022 14:05

Tgt Ion: 83 Resp: 4221
 Ion Ratio Lower Upper
 83 100
 85 64.2 44.7 82.9





#29

1,1,1-Trichloroethane

Concen: 0.833 ug/L

RT: 4.596 min Scan# 1106

Delta R.T. -0.010 min

Lab File: VV025383.D

Acq: 07 Apr 2022 14:05

Instrument :

MSVOA_V

ClientSampleId :

BFY44

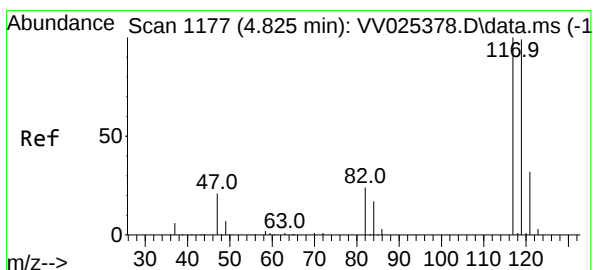
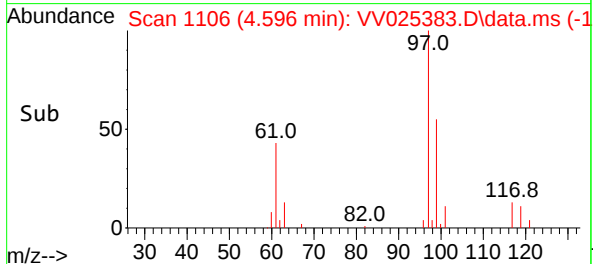
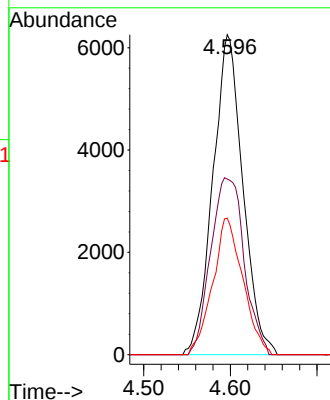
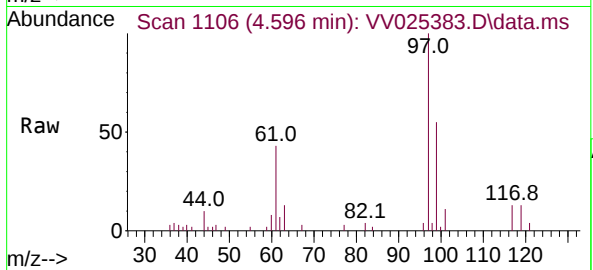
Tgt Ion: 97 Resp: 15042

Ion Ratio Lower Upper

97 100

99 61.8 51.9 77.9

61 43.1 34.2 51.2



#31

Carbon tetrachloride

Concen: 0.126 ug/L

RT: 4.600 min Scan# 1107

Delta R.T. -0.225 min

Lab File: VV025383.D

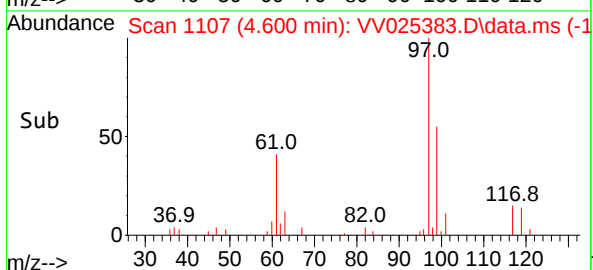
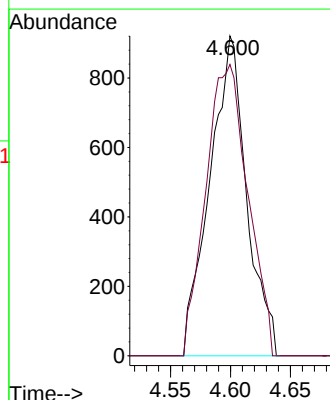
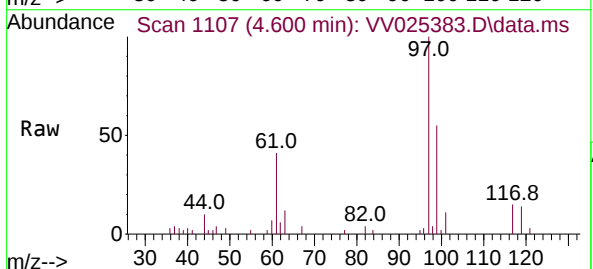
Acq: 07 Apr 2022 14:05

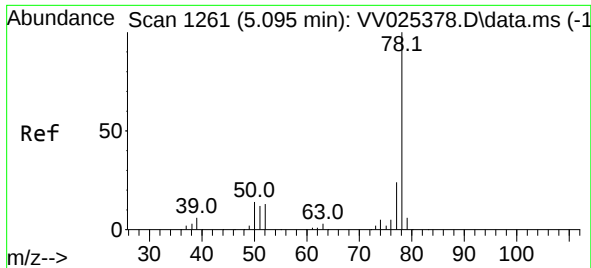
Tgt Ion: 117 Resp: 1967

Ion Ratio Lower Upper

117 100

119 104.2 77.8 116.6

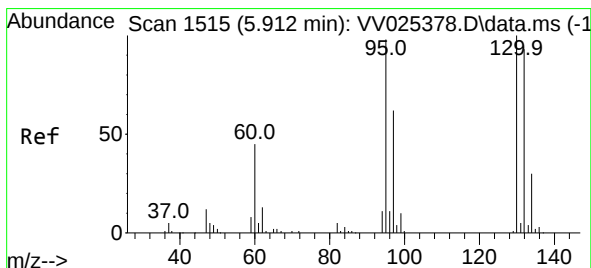
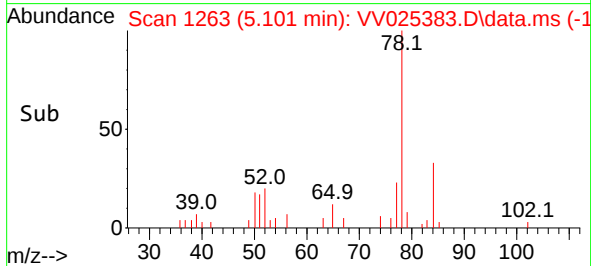
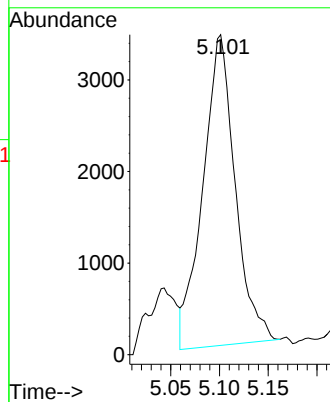
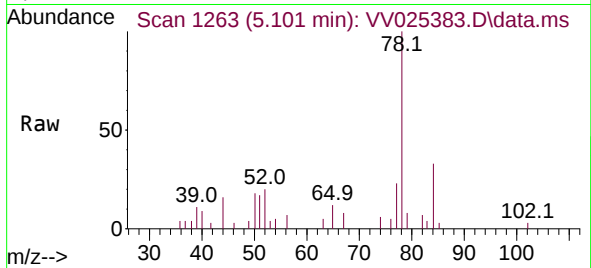




#33
Benzene
Concen: 0.178 ug/L
RT: 5.101 min Scan# 1518
Delta R.T. 0.006 min
Lab File: VV025383.D
Acq: 07 Apr 2022 14:05

Instrument :
MSVOA_V
ClientSampleId :
BFY44

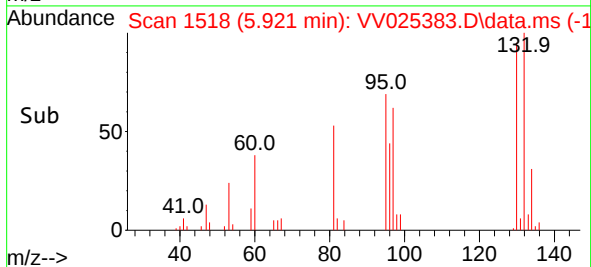
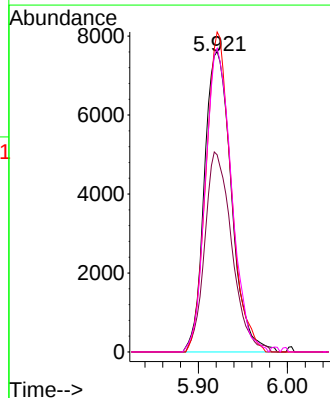
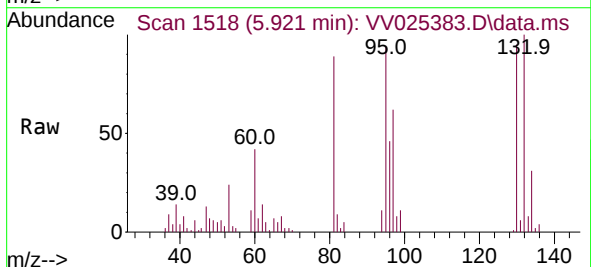
Tgt Ion: 78 Resp: 7811

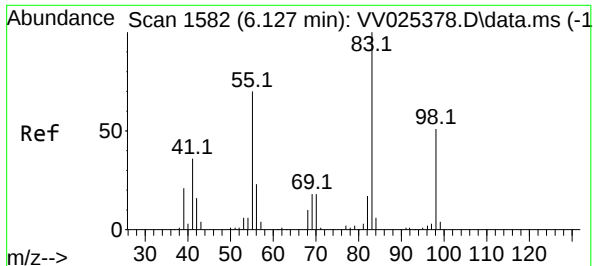


#34
Trichloroethene
Concen: 1.331 ug/L
RT: 5.921 min Scan# 1518
Delta R.T. 0.010 min
Lab File: VV025383.D
Acq: 07 Apr 2022 14:05

Tgt Ion: 95 Resp: 16013

Ion	Ratio	Lower	Upper
95	100		
97	65.6	46.3	85.9
132	106.5	65.2	121.2
130	101.0	71.7	133.1

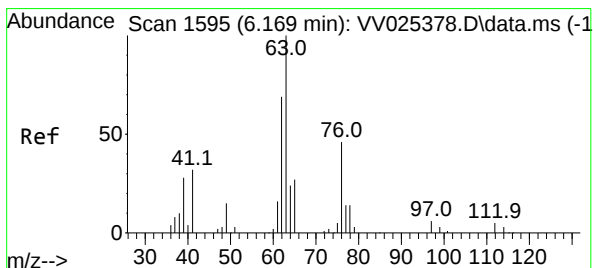
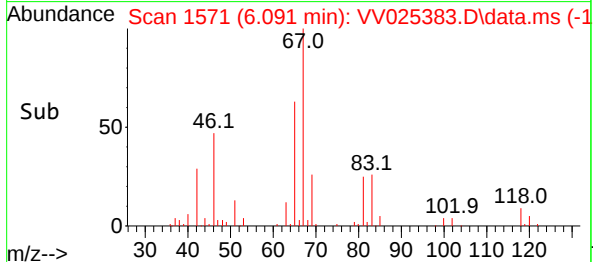
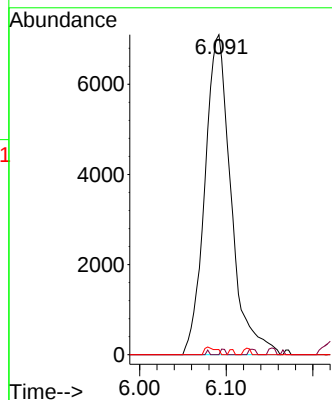
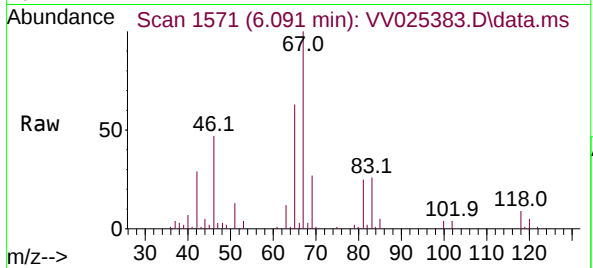




#35
Methylcyclohexane
Concen: 0.791 ug/L
RT: 6.091 min Scan# 1571
Delta R.T. -0.035 min
Lab File: VV025383.D
Acq: 07 Apr 2022 14:05

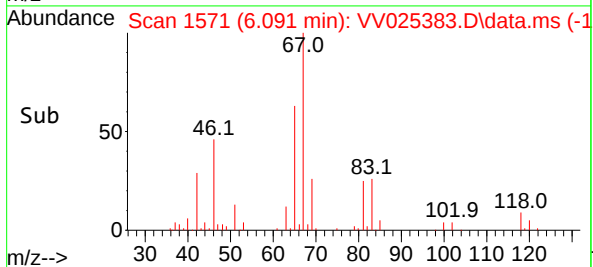
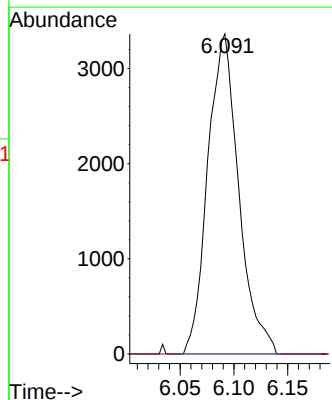
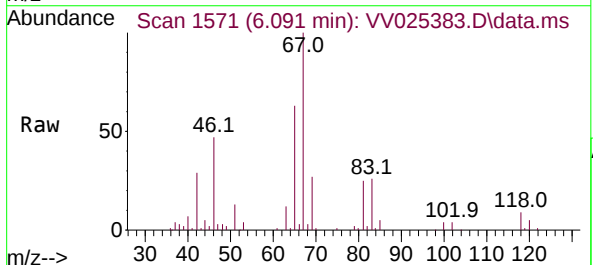
Instrument :
MSVOA_V
ClientSampleId :
BFY44

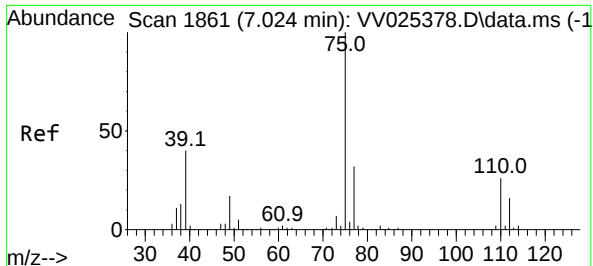
Tgt Ion: 83 Resp: 14912
Ion Ratio Lower Upper
83 100
55 1.0 54.6 81.8#
98 1.0 39.8 59.6#



#37
1,2-Dichloropropane
Concen: 0.663 ug/L
RT: 6.091 min Scan# 1571
Delta R.T. -0.077 min
Lab File: VV025383.D
Acq: 07 Apr 2022 14:05

Tgt Ion: 63 Resp: 6737
Ion Ratio Lower Upper
63 100
112 0.0 4.2 6.2#





#39

cis-1,3-Dichloropropene

Concen: 0.111 ug/L

RT: 7.005 min Scan# 11

Delta R.T. -0.019 min

Lab File: VV025383.D

Acq: 07 Apr 2022 14:05

Instrument :

MSVOA_V

ClientSampleId :

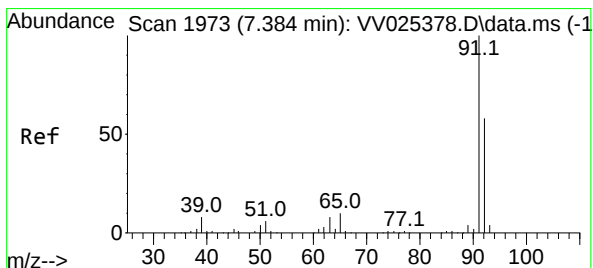
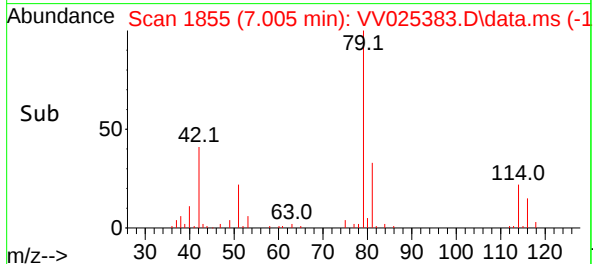
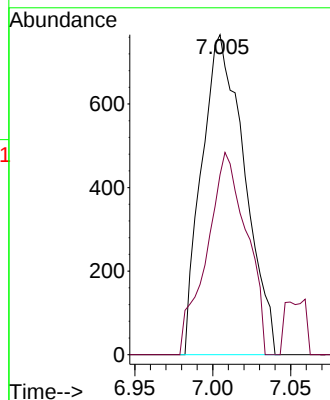
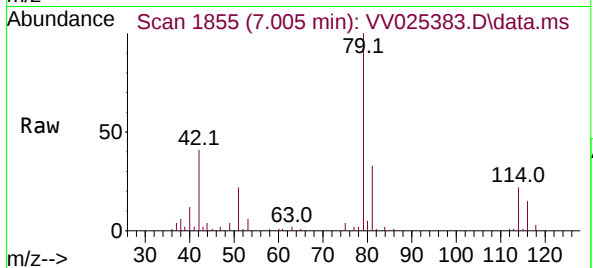
BFY44

Tgt Ion: 75 Resp: 1459

Ion Ratio Lower Upper

75 100

77 56.3 22.1 41.1#



#42

Toluene

Concen: 0.633 ug/L

RT: 7.403 min Scan# 1979

Delta R.T. 0.019 min

Lab File: VV025383.D

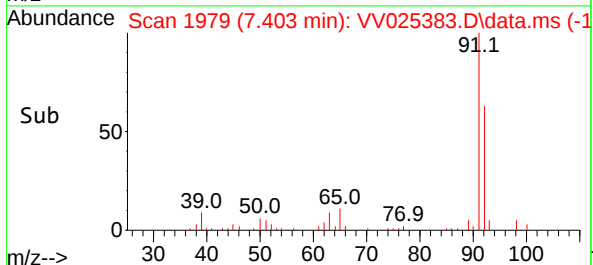
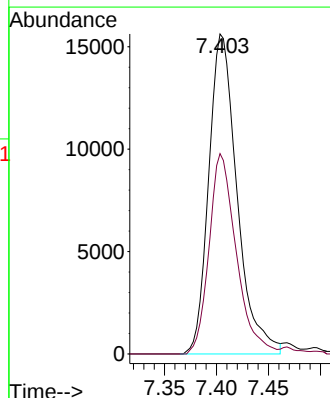
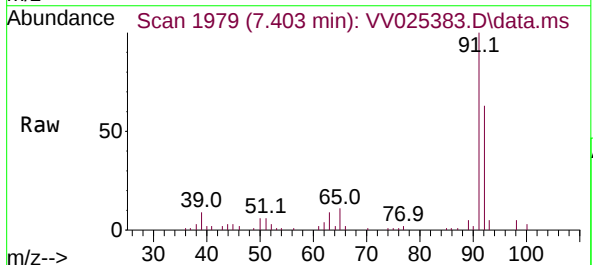
Acq: 07 Apr 2022 14:05

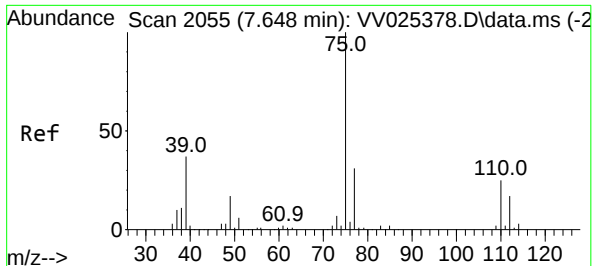
Tgt Ion: 91 Resp: 29631

Ion Ratio Lower Upper

91 100

92 62.6 40.3 74.9

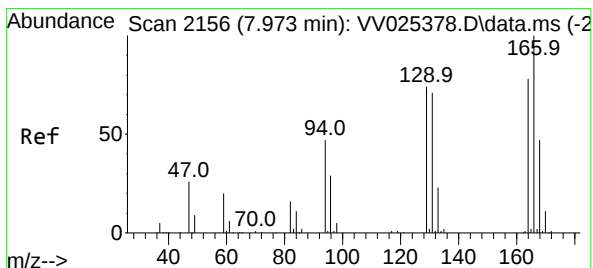
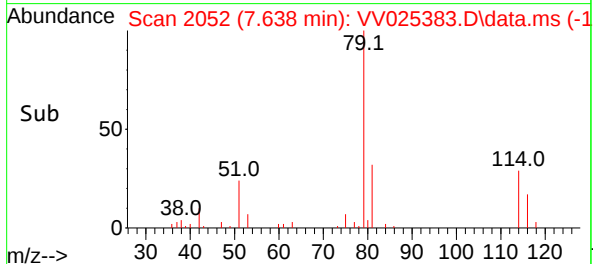
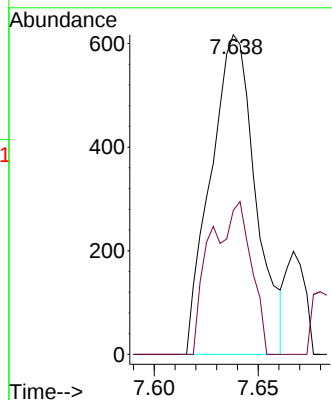
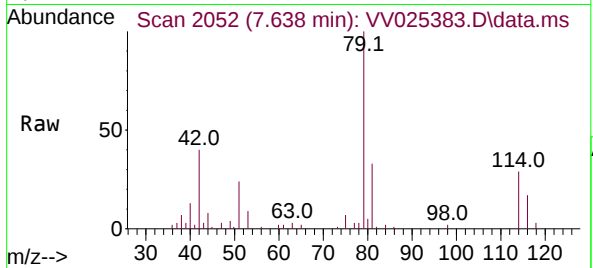




#44
trans-1,3-Dichloropropene
Concen: 0.089 ug/L
RT: 7.638 min Scan# 2055
Delta R.T. -0.010 min
Lab File: VV025383.D
Acq: 07 Apr 2022 14:05

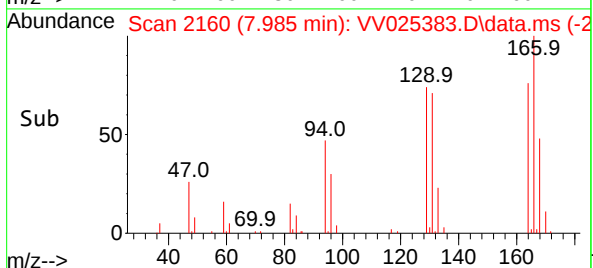
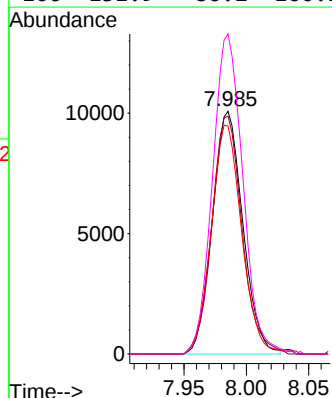
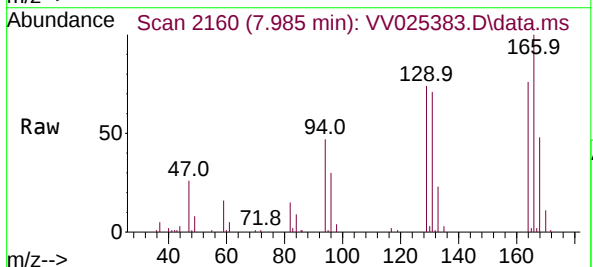
Instrument :
MSVOA_V
ClientSampleId :
BFY44

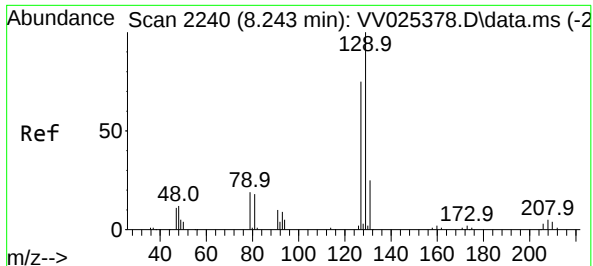
Tgt Ion: 75 Resp: 926
Ion Ratio Lower Upper
75 100
77 45.1 24.2 45.0#



#47
Tetrachloroethene
Concen: 1.932 ug/L
RT: 7.985 min Scan# 2160
Delta R.T. 0.013 min
Lab File: VV025383.D
Acq: 07 Apr 2022 14:05

Tgt Ion:164 Resp: 17140
Ion Ratio Lower Upper
164 100
129 98.0 67.5 125.4
131 93.9 68.0 126.4
166 131.9 86.2 160.2





#49

Dibromochloromethane

Concen: 2.224 ug/L

RT: 7.985 min Scan# 2160

Delta R.T. -0.257 min

Lab File: VV025383.D

Acq: 07 Apr 2022 14:05

Instrument :

MSVOA_V

ClientSampleId :

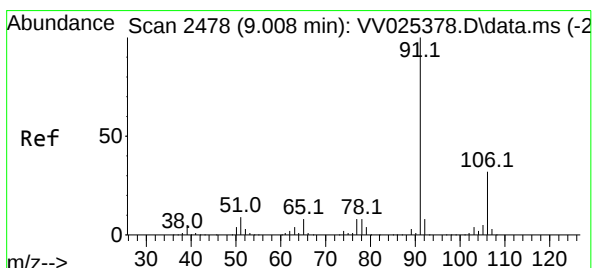
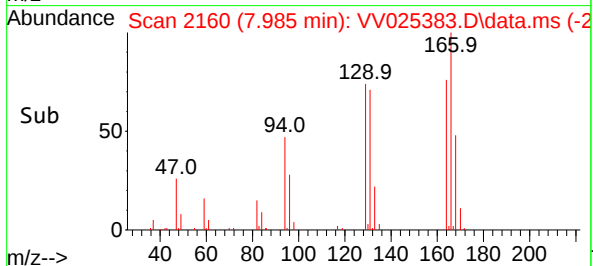
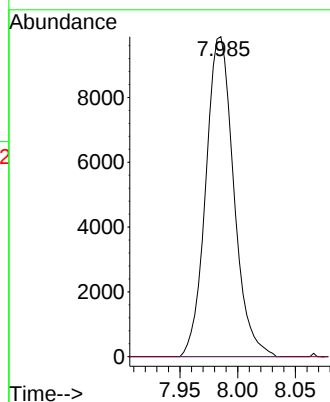
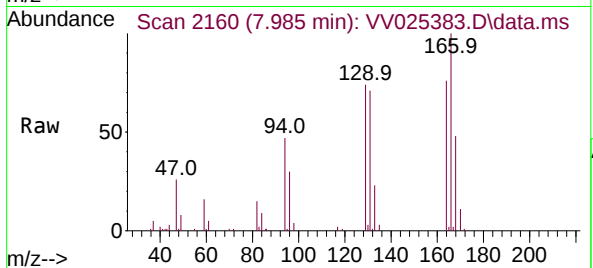
BFY44

Tgt Ion:129 Resp: 16656

Ion Ratio Lower Upper

129 100

127 0.0 54.1 100.5#



#52

Ethylbenzene

Concen: 0.053 ug/L

RT: 9.024 min Scan# 2483

Delta R.T. 0.016 min

Lab File: VV025383.D

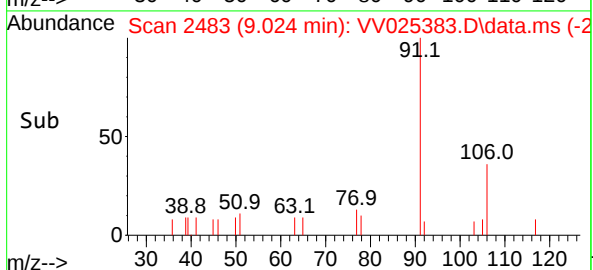
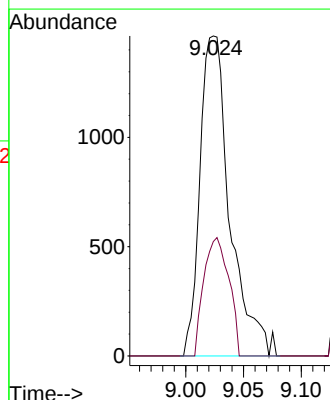
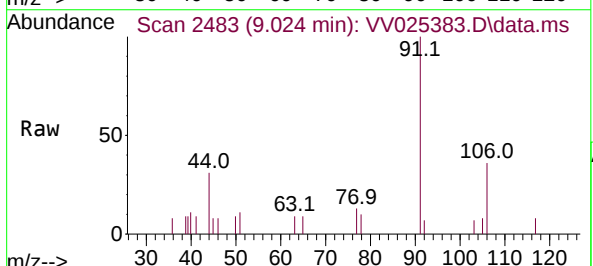
Acq: 07 Apr 2022 14:05

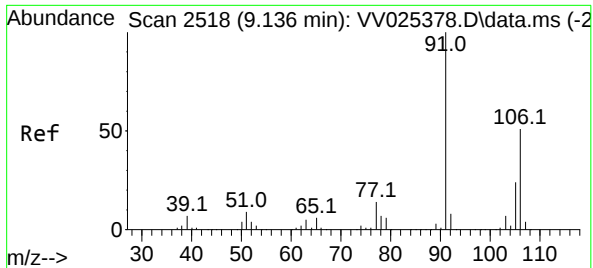
Tgt Ion: 91 Resp: 2642

Ion Ratio Lower Upper

91 100

106 35.7 21.7 40.3

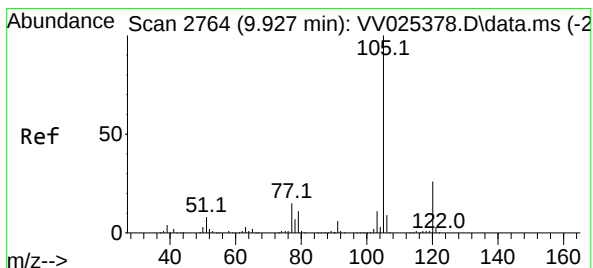
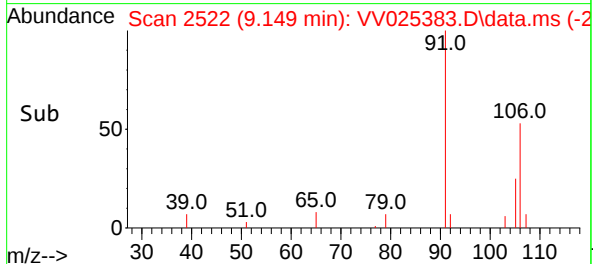
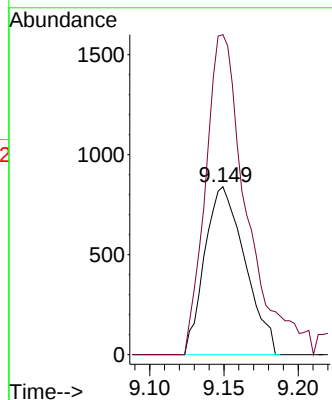
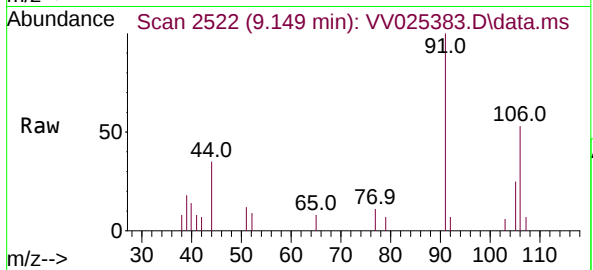




#53
m,p-Xylene
Concen: 0.082 ug/L
RT: 9.149 min Scan# 21
Delta R.T. 0.013 min
Lab File: VV025383.D
Acq: 07 Apr 2022 14:05

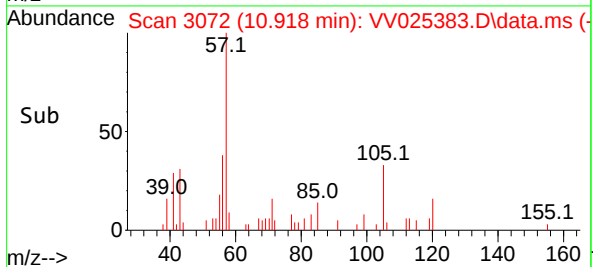
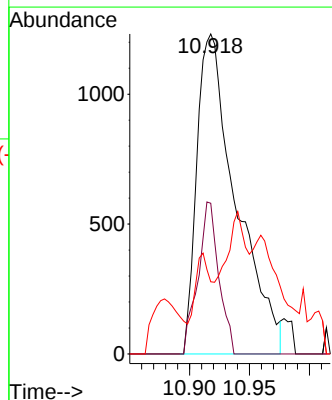
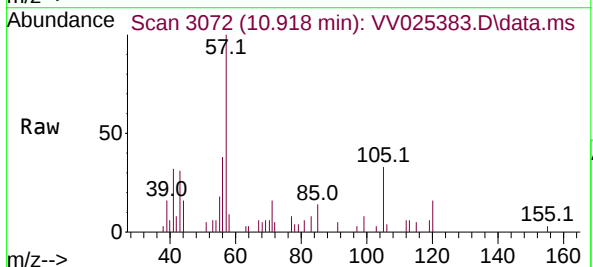
Instrument :
MSVOA_V
ClientSampleId :
BFY44

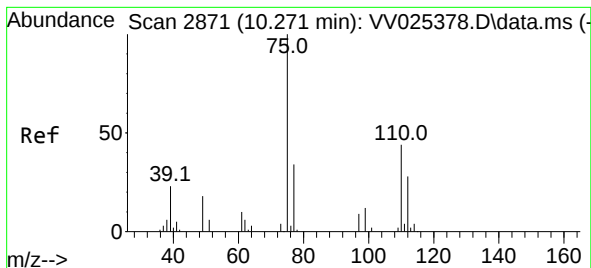
Tgt Ion:106 Resp: 1584
Ion Ratio Lower Upper
106 100
91 190.5 136.8 254.0



#60
Isopropylbenzene
Concen: 0.057 ug/L
RT: 10.918 min Scan# 3072
Delta R.T. 0.990 min
Lab File: VV025383.D
Acq: 07 Apr 2022 14:05

Tgt Ion:105 Resp: 2804
Ion Ratio Lower Upper
105 100
120 25.2 21.1 31.7
77 14.1 12.6 18.8





#61

1,2,3-Trichloropropane

Concen: 1.779 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.977 min

Lab File: VV025383.D

Acq: 07 Apr 2022 14:05

Instrument :

MSVOA_V

ClientSampleId :

BFY44

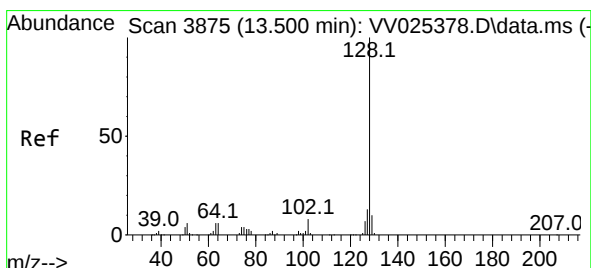
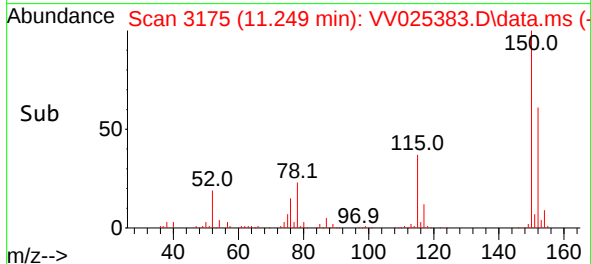
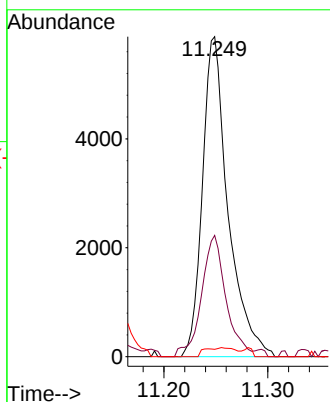
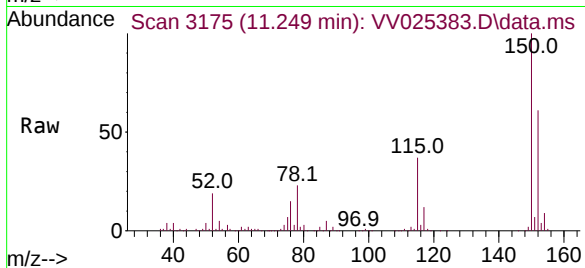
Tgt Ion: 75 Resp: 10067

Ion Ratio Lower Upper

75 100

77 36.1 25.8 38.6

110 1.3 31.6 47.4#



#71

Naphthalene

Concen: 0.096 ug/L

RT: 13.509 min Scan# 3878

Delta R.T. 0.010 min

Lab File: VV025383.D

Acq: 07 Apr 2022 14:05

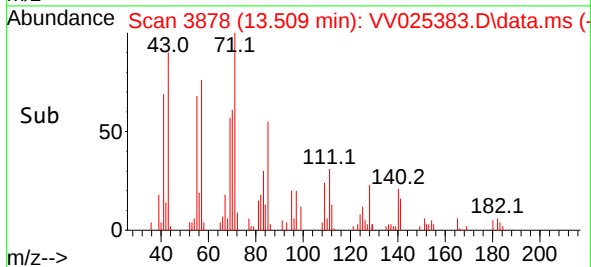
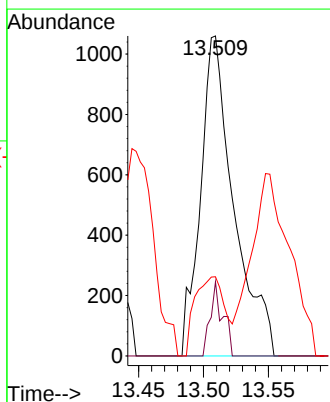
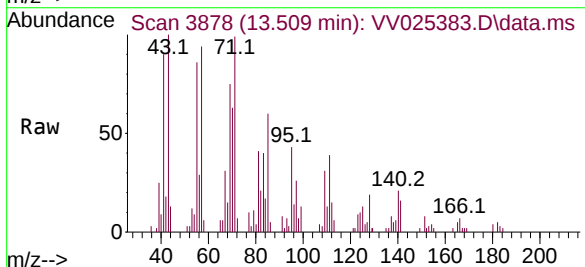
Tgt Ion: 128 Resp: 1895

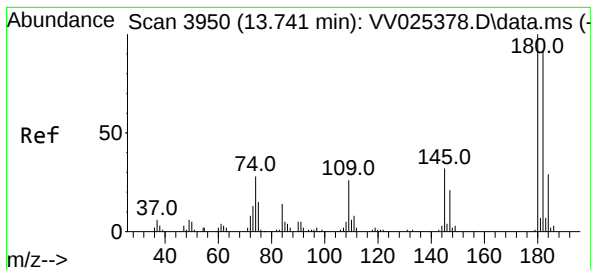
Ion Ratio Lower Upper

128 100

129 8.7 8.8 13.2#

127 22.2 10.6 16.0#





#72

1,2,3-Trichlorobenzene

Concen: 0.120 ug/L

RT: 13.760 min Scan# 3956

Delta R.T. 0.019 min

Lab File: VV025383.D

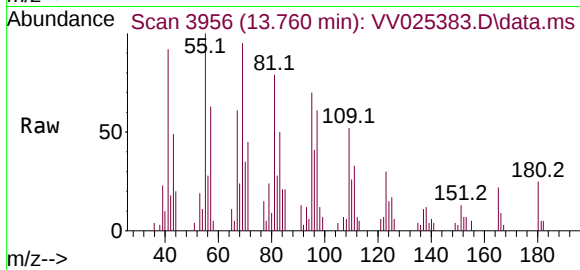
Acq: 07 Apr 2022 14:05

Instrument :

MSVOA_V

ClientSampleId :

BFY44



Tgt Ion:	180	Resp:	1304
Ion	Ratio	Lower	Upper
180	100		
182	3.7	75.8	113.6#
145	0.0	28.6	42.8#

