

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW021822\
 Data File : VW024758.D
 Acq On : 18 Feb 2022 17:03
 Operator : SY/MD
 Sample : N1545-09
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFY06

Quant Time: Feb 19 00:46:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR021722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Feb 19 00:43:23 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	183851	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	167398	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.246	152	77063	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	64697	4.149	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.000%
7) Chloroethane-d5	1.568	69	54263	4.242	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.800%
11) 1,1-Dichloroethene-d2	2.111	63	117784	4.122	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.400%
20) 2-Butanone-d5	3.905	46	77233	34.674	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	69.340%
24) Chloroform-d	4.349	84	107558	4.420	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.400%
26) 1,2-Dichloroethane-d4	5.034	65	47928	4.419	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.400%
32) Benzene-d6	5.050	84	225706	4.674	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.400%
36) 1,2-Dichloropropane-d6	6.069	67	67377	4.741	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.800%
41) Toluene-d8	7.317	98	198069	4.514	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.200%
43) trans-1,3-Dichloroprop...	7.625	79	21701	4.584	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.600%
46) 2-Hexanone-d5	8.088	63	86169	46.255	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.500%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	37877	4.422	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.400%
66) 1,2-Dichlorobenzene-d4	11.622	152	61326	4.599	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.000%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.310	62	915	0.047	ug/L #	1
12) 1,1-Dichloroethene	2.121	96	58588	4.092	ug/L	98
13) Acetone	2.201	43	10557	6.721	ug/L	89
15) Methyl Acetate	2.432	43	1064	0.259	ug/L #	49
17) Methyl tert-butyl Ether	2.773	73	2118	0.075	ug/L #	8
19) 1,1-Dichloroethane	3.191	63	285342	11.143	ug/L	98
22) cis-1,2-Dichloroethene	3.921	96	3962	0.268	ug/L	87
25) Chloroform	4.378	83	10576	0.395	ug/L	96
27) 1,2-Dichloroethane	5.143	62	5212	0.365	ug/L #	93
29) 1,1,1-Trichloroethane	4.609	97	21942	0.977	ug/L	98
31) Carbon tetrachloride	4.612	117	2791	0.148	ug/L	92
33) Benzene	5.114	78	5414	0.096	ug/L	100
34) Trichloroethene	5.918	95	20576	1.370	ug/L	99
35) Methylcyclohexane	6.069	83	15797	0.651	ug/L #	20
39) cis-1,3-Dichloropropene	6.992	75	1786	0.096	ug/L #	64
47) Tetrachloroethene	7.979	164	3604	0.353	ug/L	95
49) Dibromochloromethane	7.976	129	3678	0.380	ug/L #	11
53) m,p-xylene	9.143	106	905	0.036	ug/L	83
61) 1,2,3-Trichloropropane	11.246	75	10514	1.505	ug/L #	68

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Feb 19 00:43:23 2022
Response via : Initial Calibration

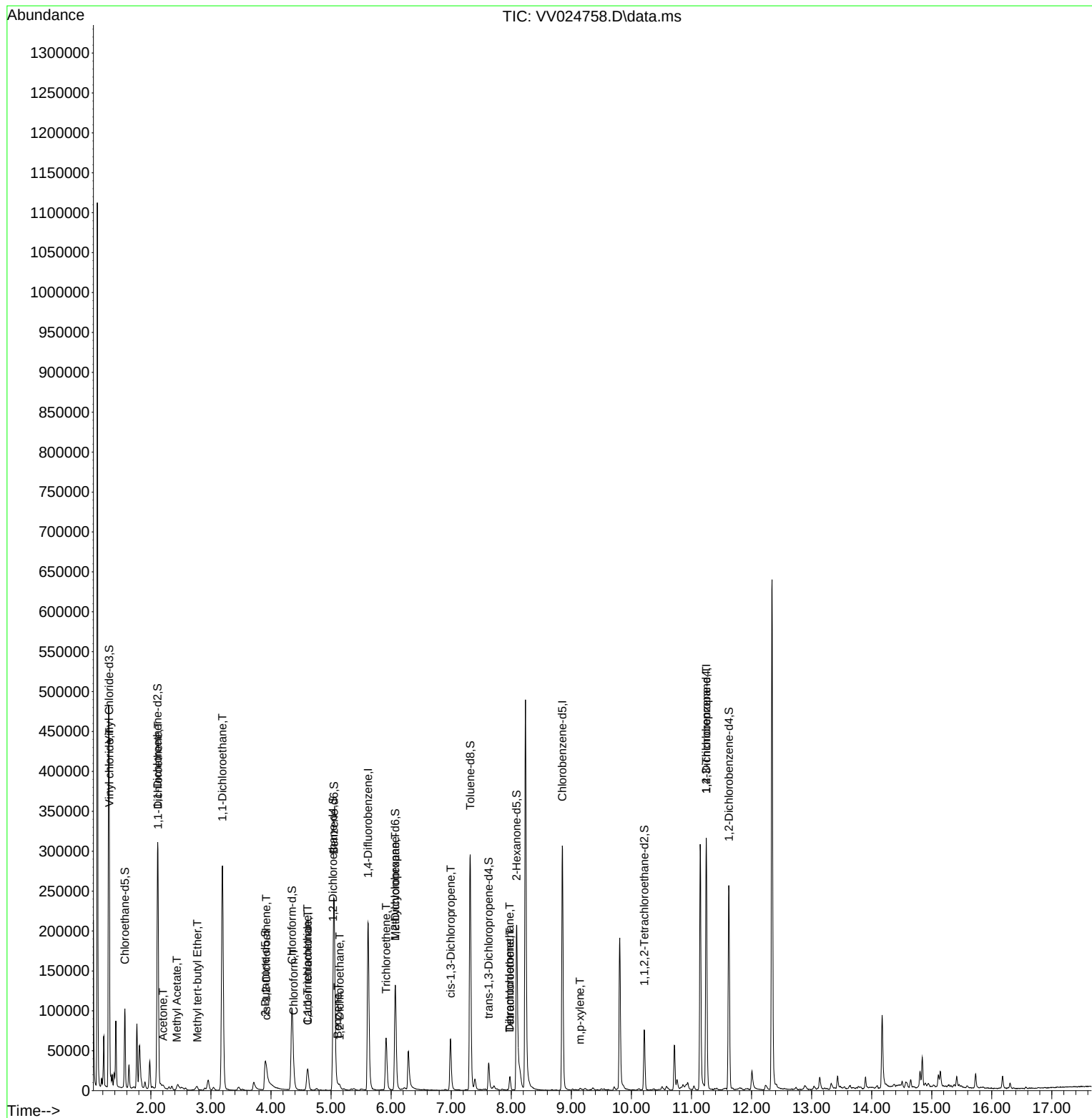
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

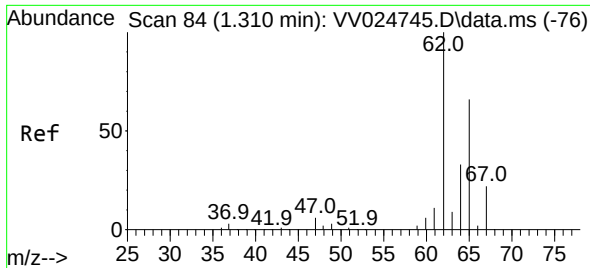
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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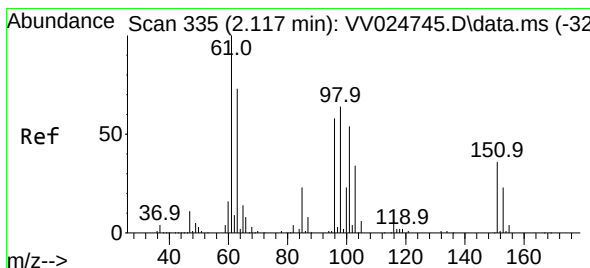
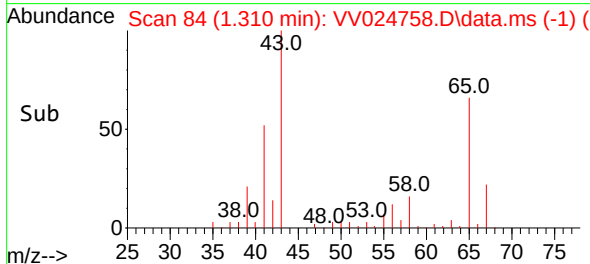
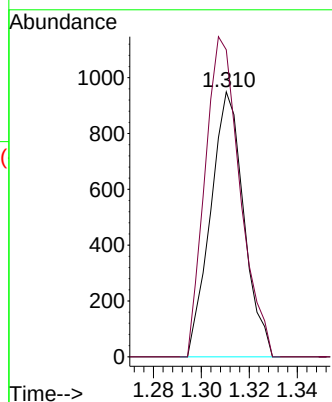
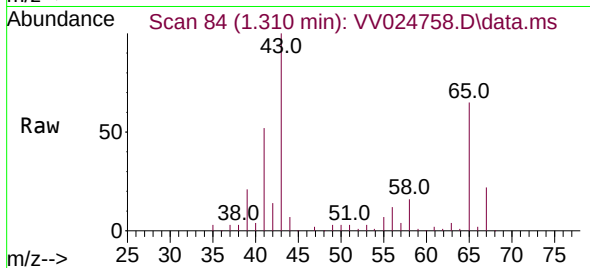




#5
 Vinyl chloride
 Concen: 0.047 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV024758.D
 Acq: 18 Feb 2022 17:03

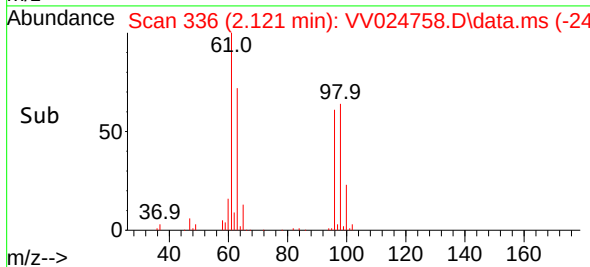
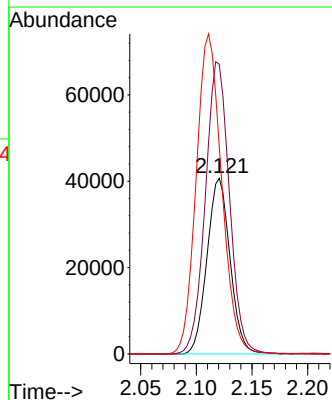
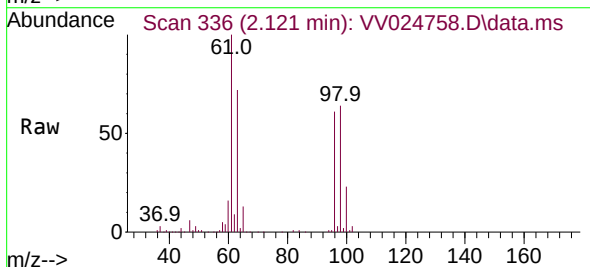
Instrument :
 MSVOA_V
 ClientSampleId :
 BFY06

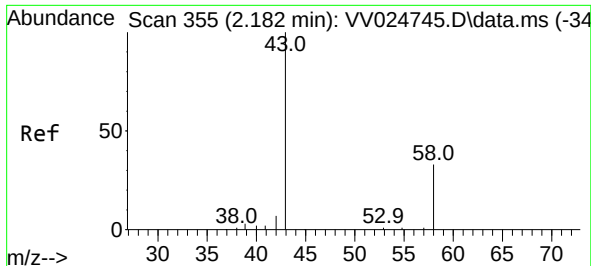
Tgt Ion: 62 Resp: 915
 Ion Ratio Lower Upper
 62 100
 64 115.9 22.2 41.2#



#12
 1,1-Dichloroethene
 Concen: 4.092 ug/L
 RT: 2.121 min Scan# 336
 Delta R.T. 0.003 min
 Lab File: VV024758.D
 Acq: 18 Feb 2022 17:03

Tgt Ion: 96 Resp: 58588
 Ion Ratio Lower Upper
 96 100
 61 164.9 116.3 216.1
 63 118.3 86.0 159.6





#13

Acetone

Concen: 6.721 ug/L

RT: 2.201 min Scan# 3

Delta R.T. 0.019 min

Lab File: VV024758.D

Acq: 18 Feb 2022 17:03

Instrument :

MSVOA_V

ClientSampleId :

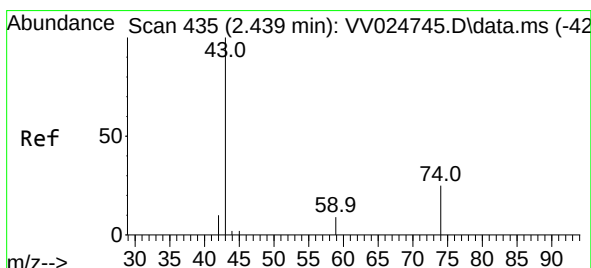
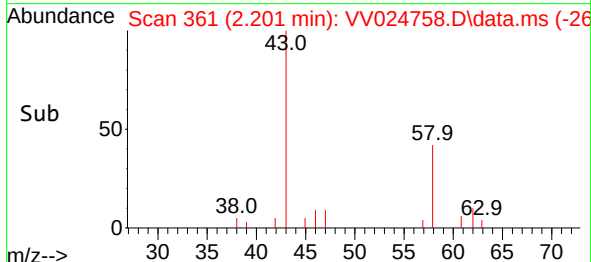
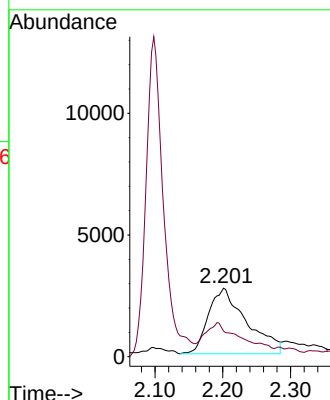
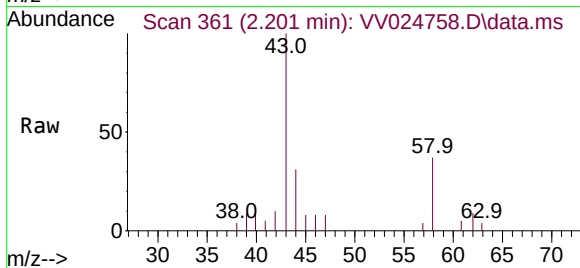
BFY06

Tgt Ion: 43 Resp: 10557

Ion Ratio Lower Upper

43 100

58 25.7 0.0 63.6



#15

Methyl Acetate

Concen: 0.259 ug/L

RT: 2.432 min Scan# 433

Delta R.T. -0.006 min

Lab File: VV024758.D

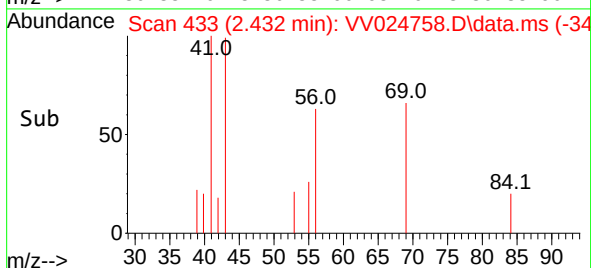
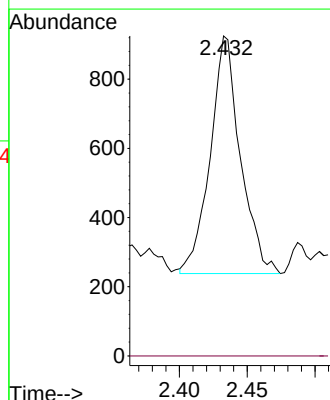
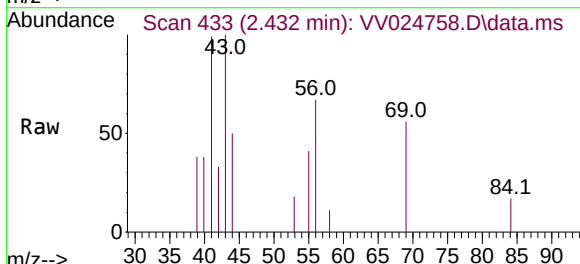
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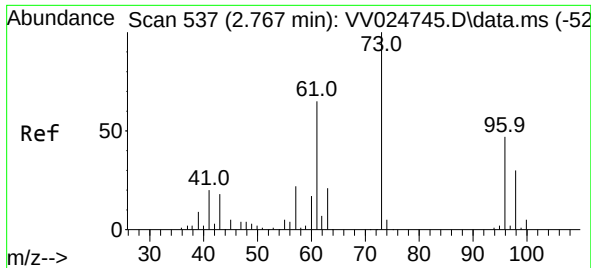
Tgt Ion: 43 Resp: 1064

Ion Ratio Lower Upper

43 100

74 0.0 20.8 31.2#

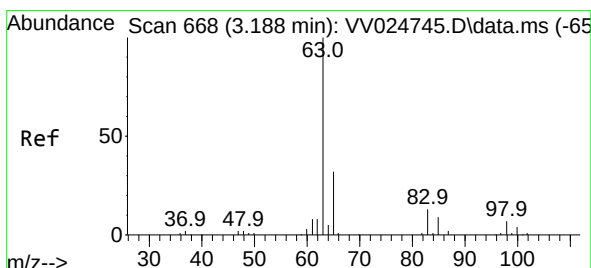
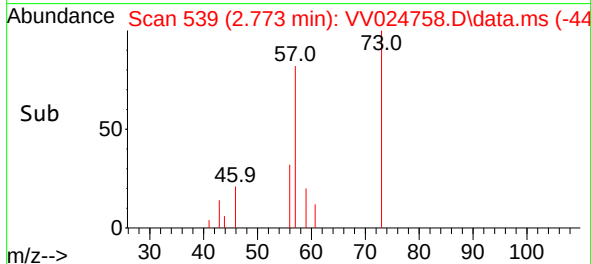
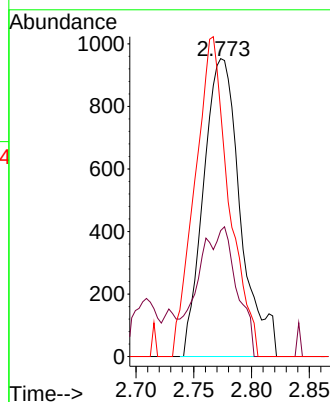
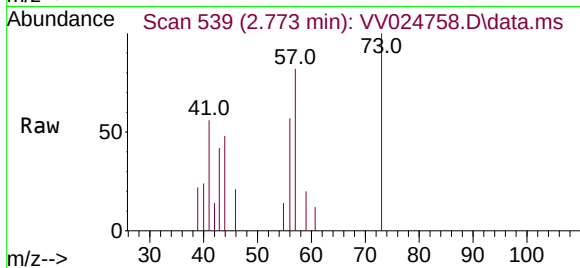




#17
Methyl tert-butyl Ether
Concen: 0.075 ug/L
RT: 2.773 min Scan# 51
Delta R.T. 0.006 min
Lab File: VV024758.D
Acq: 18 Feb 2022 17:03

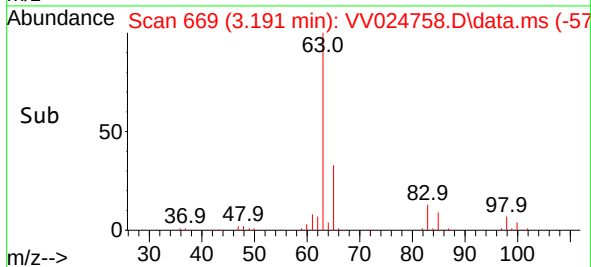
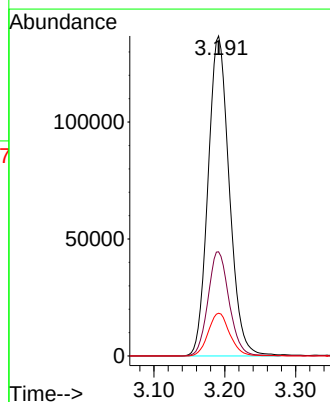
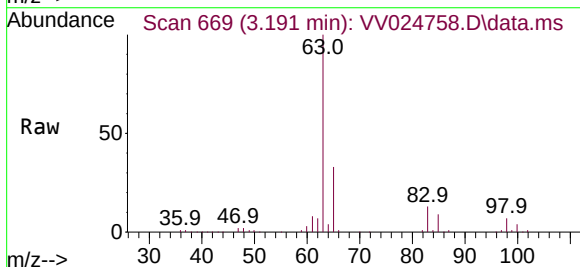
Instrument :
MSVOA_V
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BFY06

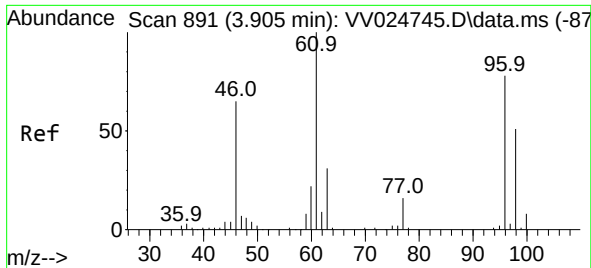
Tgt Ion: 73 Resp: 2118
Ion Ratio Lower Upper
73 100
43 24.6 15.1 22.7#
57 98.6 17.4 26.2#



#19
1,1-Dichloroethane
Concen: 11.143 ug/L
RT: 3.191 min Scan# 669
Delta R.T. 0.003 min
Lab File: VV024758.D
Acq: 18 Feb 2022 17:03

Tgt Ion: 63 Resp: 285342
Ion Ratio Lower Upper
63 100
65 32.6 22.0 40.8
83 13.4 9.5 17.7

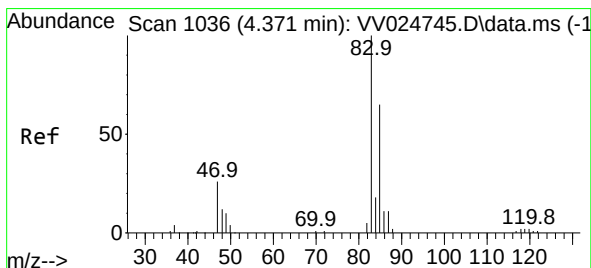
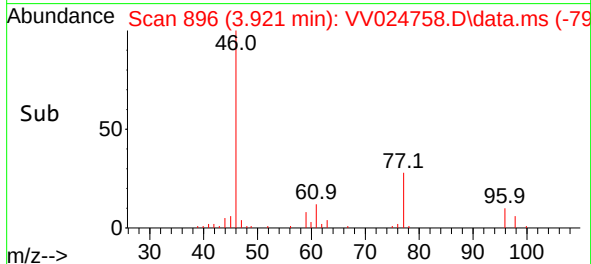
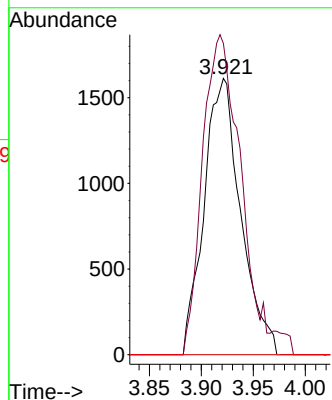
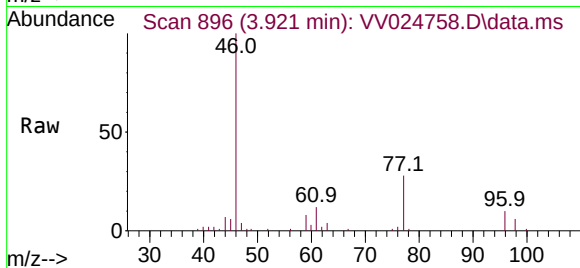




#22
 cis-1,2-Dichloroethene
 Concen: 0.268 ug/L
 RT: 3.921 min Scan# 896
 Delta R.T. 0.016 min
 Lab File: VV024758.D
 Acq: 18 Feb 2022 17:03

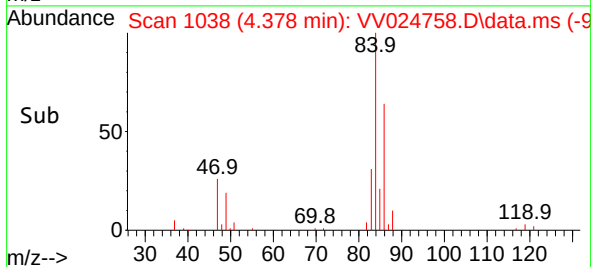
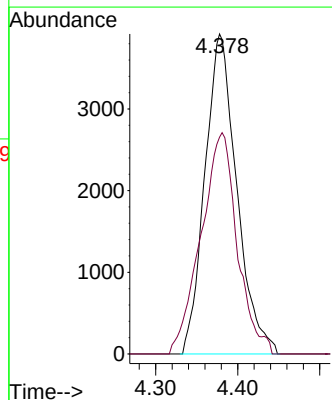
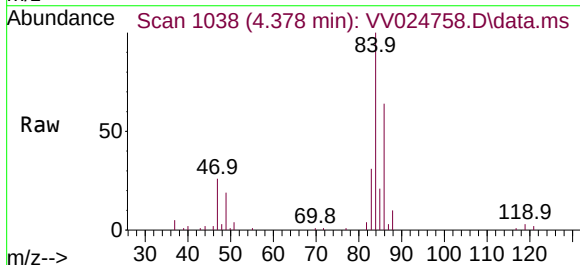
Instrument :
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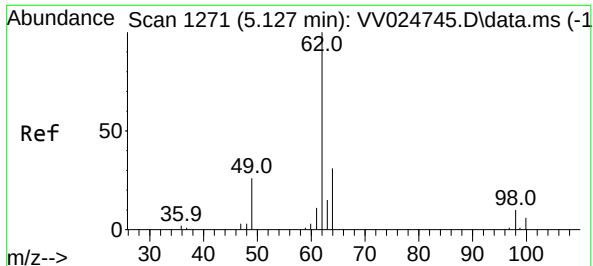
Tgt Ion: 96 Resp: 3962
 Ion Ratio Lower Upper
 96 100
 61 112.6 89.7 166.5
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.395 ug/L
 RT: 4.378 min Scan# 1038
 Delta R.T. 0.006 min
 Lab File: VV024758.D
 Acq: 18 Feb 2022 17:03

Tgt Ion: 83 Resp: 10576
 Ion Ratio Lower Upper
 83 100
 85 67.8 45.5 84.5





#27

1,2-Dichloroethane

Concen: 0.365 ug/L

RT: 5.143 min Scan# 11

Delta R.T. 0.016 min

Lab File: VV024758.D

Acq: 18 Feb 2022 17:03

Instrument :

MSVOA_V

ClientSampleId :

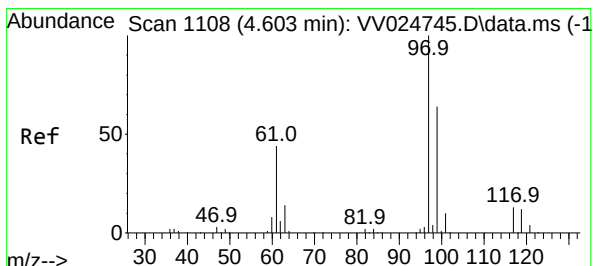
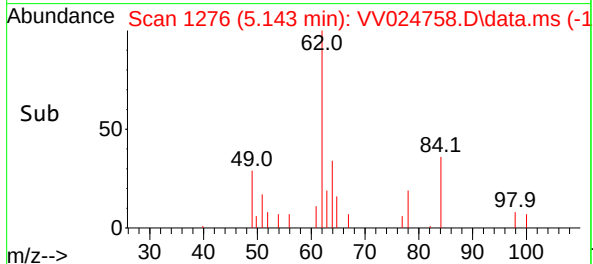
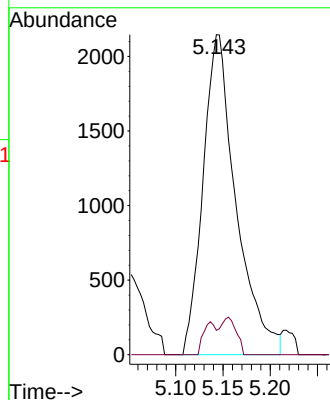
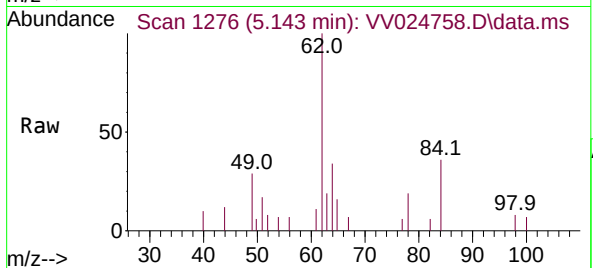
BFY06

Tgt Ion: 62 Resp: 5212

Ion Ratio Lower Upper

62 100

98 7.6 8.2 12.2#



#29

1,1,1-Trichloroethane

Concen: 0.977 ug/L

RT: 4.609 min Scan# 1110

Delta R.T. 0.006 min

Lab File: VV024758.D

Acq: 18 Feb 2022 17:03

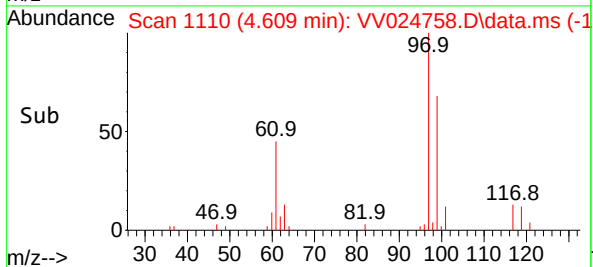
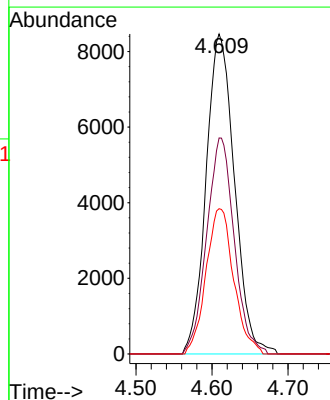
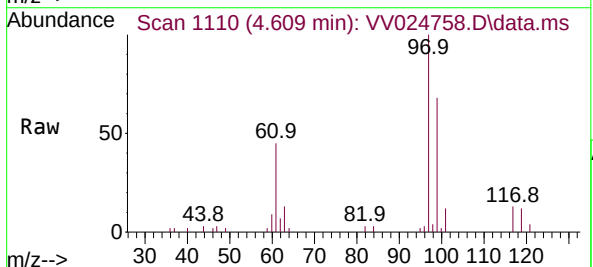
Tgt Ion: 97 Resp: 21942

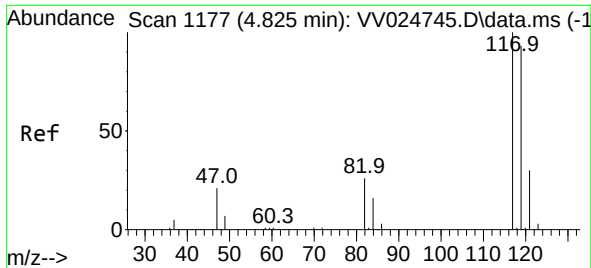
Ion Ratio Lower Upper

97 100

99 65.5 50.5 75.7

61 44.4 35.8 53.6

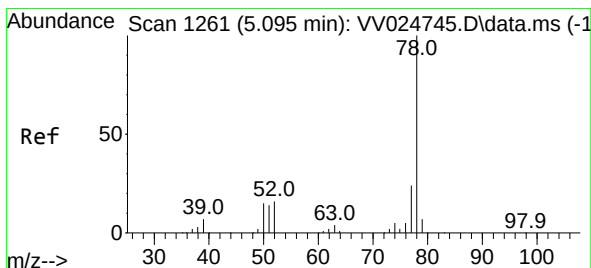
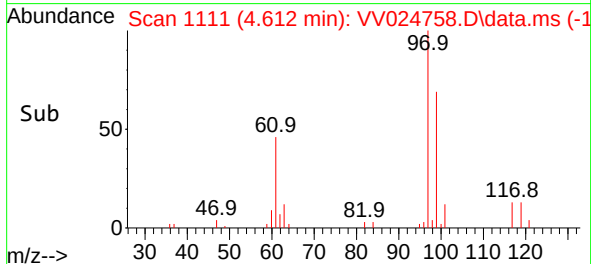
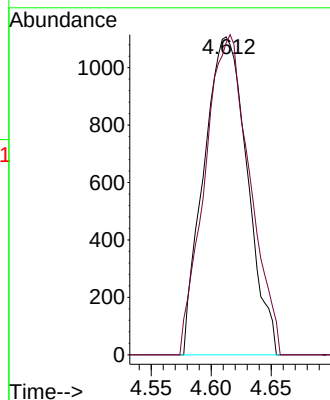
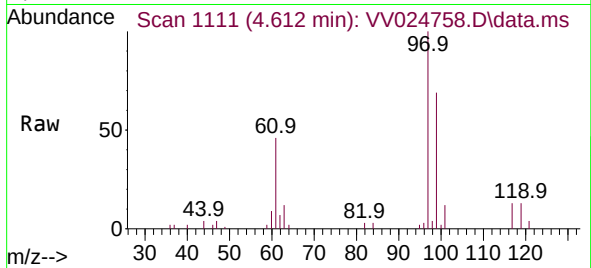




#31
Carbon tetrachloride
Concen: 0.148 ug/L
RT: 4.612 min Scan# 1177
Delta R.T. -0.212 min
Lab File: VV024758.D
Acq: 18 Feb 2022 17:03

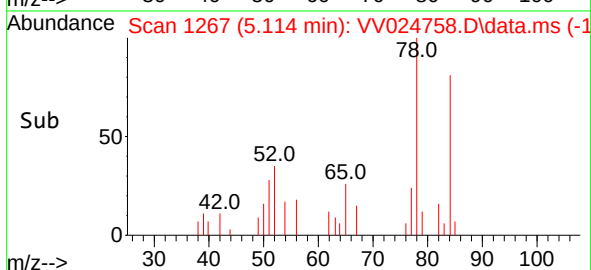
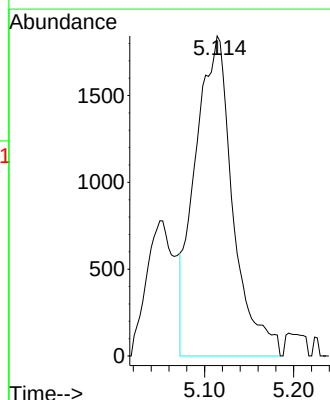
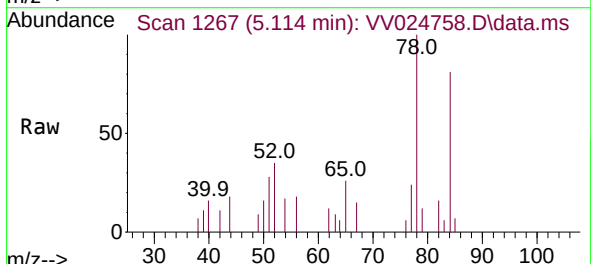
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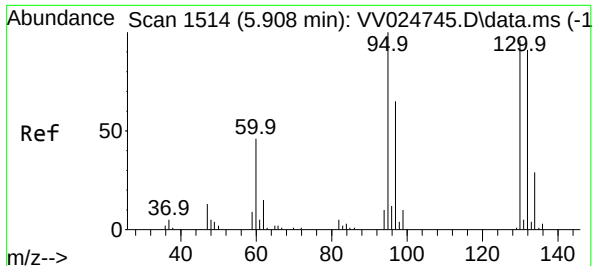
Tgt Ion:117 Resp: 2791
Ion Ratio Lower Upper
117 100
119 103.8 76.6 115.0



#33
Benzene
Concen: 0.096 ug/L
RT: 5.114 min Scan# 1267
Delta R.T. 0.019 min
Lab File: VV024758.D
Acq: 18 Feb 2022 17:03

Tgt Ion: 78 Resp: 5414



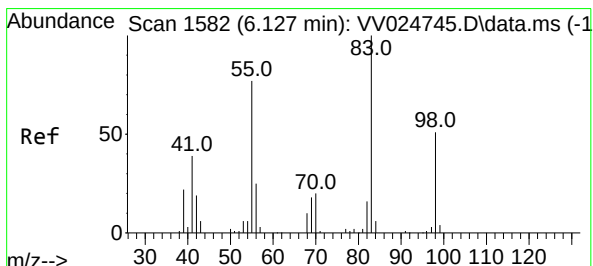
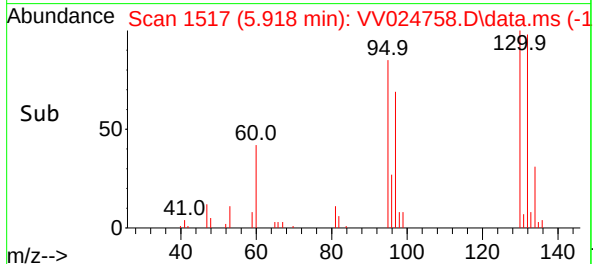
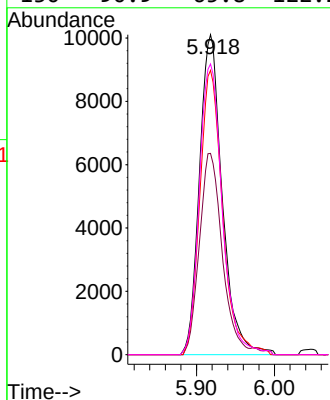
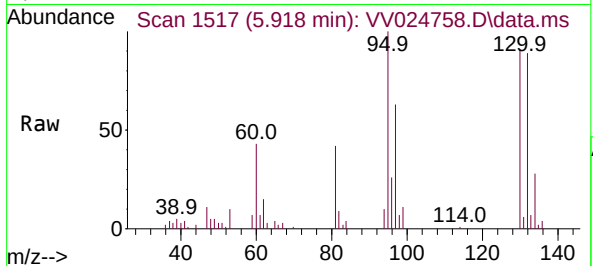


#34
Trichloroethene
Concen: 1.370 ug/L
RT: 5.918 min Scan# 11
Delta R.T. 0.010 min
Lab File: VV024758.D
Acq: 18 Feb 2022 17:03

Instrument :
MSVOA_V
ClientSampleId :
BFY06

Tgt Ion: 95 Resp: 20576

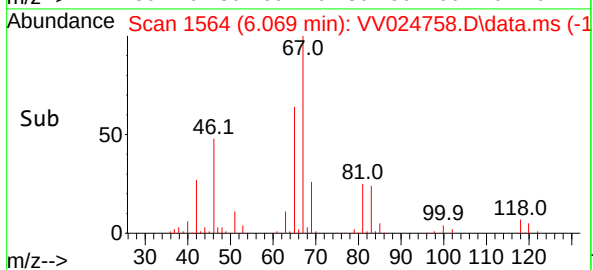
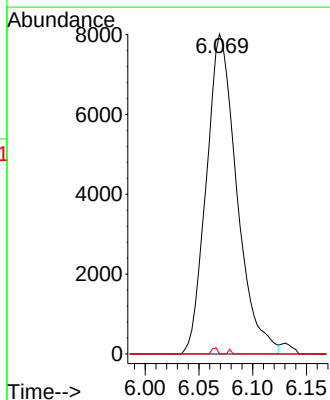
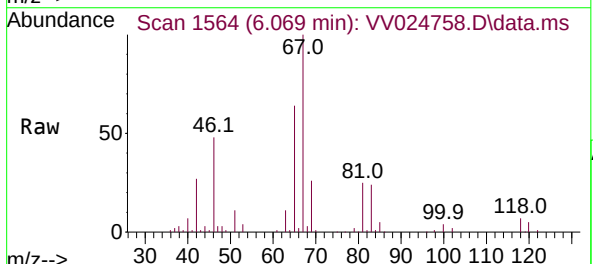
Ion	Ratio	Lower	Upper
95	100		
97	62.9	44.2	82.0
132	88.8	62.1	115.3
130	90.9	65.8	122.2

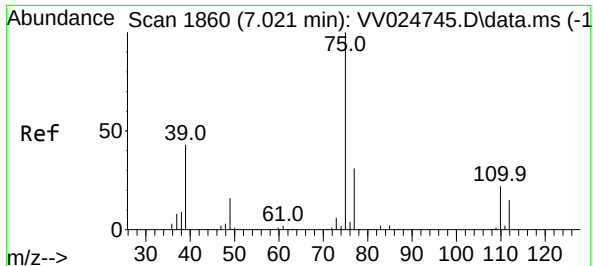


#35
Methylcyclohexane
Concen: 0.651 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.058 min
Lab File: VV024758.D
Acq: 18 Feb 2022 17:03

Tgt Ion: 83 Resp: 15797

Ion	Ratio	Lower	Upper
83	100		
55	0.4	58.8	88.2#
98	0.3	38.6	58.0#





#39

cis-1,3-Dichloropropene

Concen: 0.096 ug/L

RT: 6.992 min Scan# 11

Delta R.T. -0.029 min

Lab File: VV024758.D

Acq: 18 Feb 2022 17:03

Instrument :

MSVOA_V

ClientSampleId :

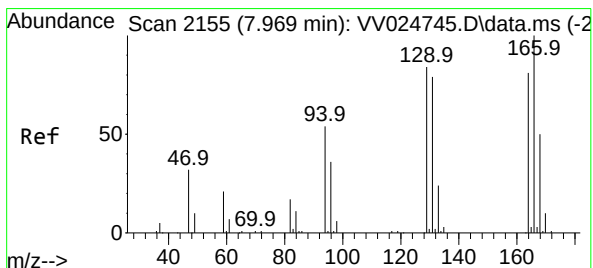
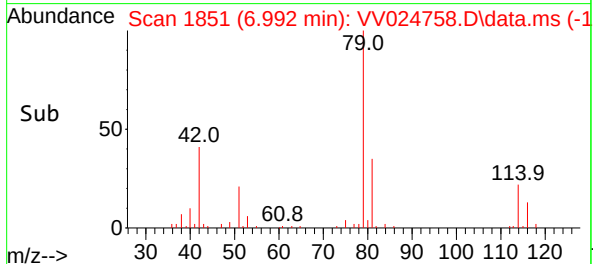
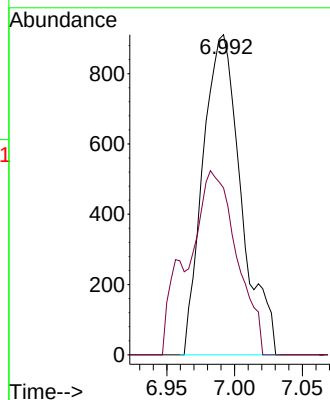
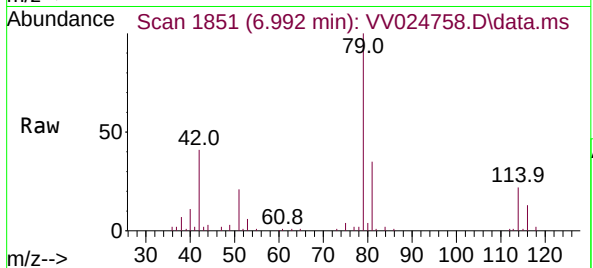
BFY06

Tgt Ion: 75 Resp: 1786

Ion Ratio Lower Upper

75 100

77 52.1 22.3 41.5#



#47

Tetrachloroethene

Concen: 0.353 ug/L

RT: 7.979 min Scan# 2158

Delta R.T. 0.010 min

Lab File: VV024758.D

Acq: 18 Feb 2022 17:03

Tgt Ion:164 Resp: 3604

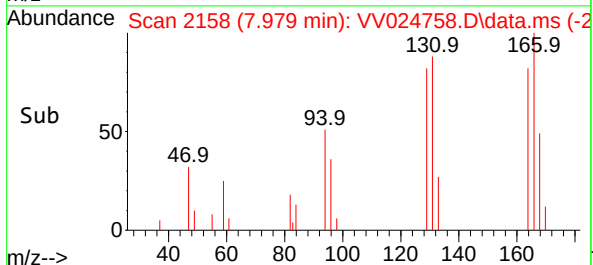
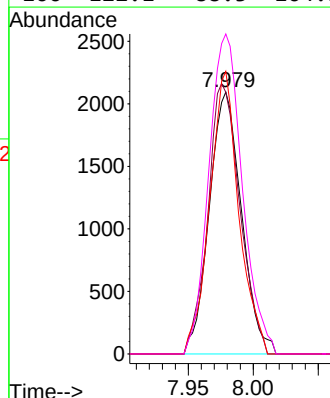
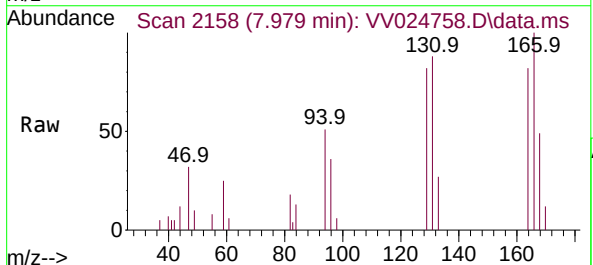
Ion Ratio Lower Upper

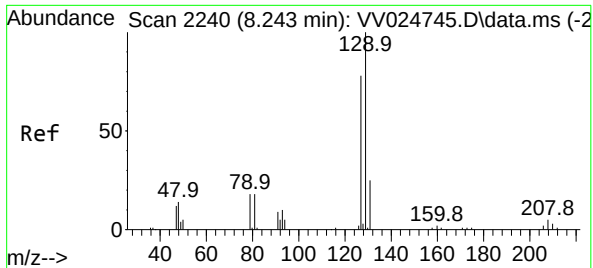
164 100

129 99.9 70.3 130.7

131 107.9 67.7 125.7

166 122.1 88.3 164.1

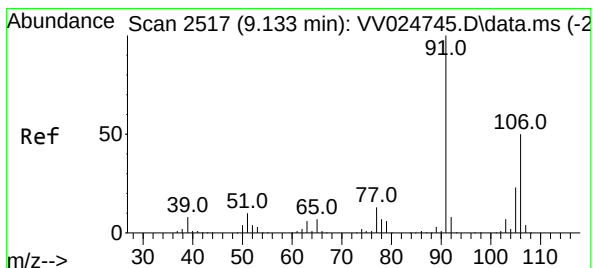
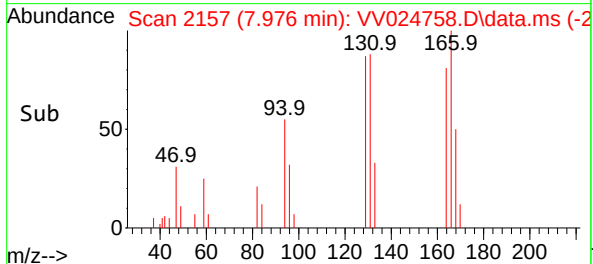
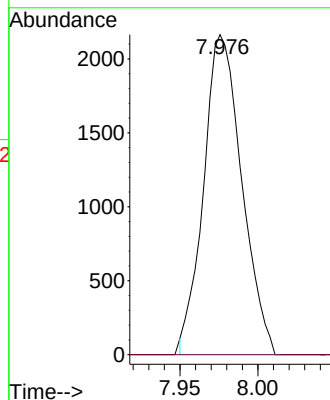
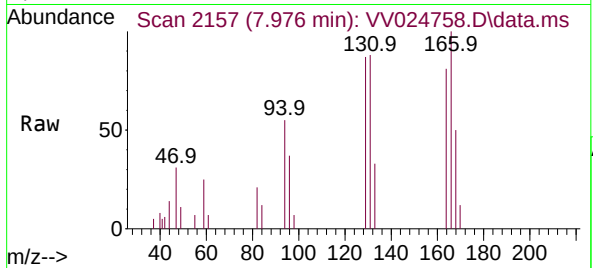




#49
Dibromochloromethane
Concen: 0.380 ug/L
RT: 7.976 min Scan# 2157
Delta R.T. -0.267 min
Lab File: VV024758.D
Acq: 18 Feb 2022 17:03

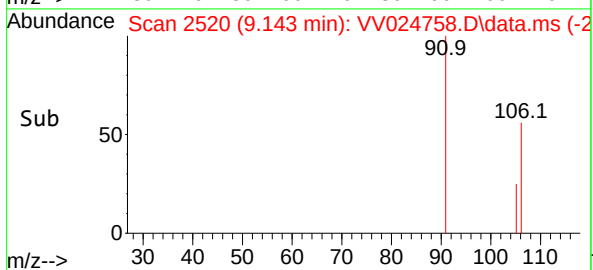
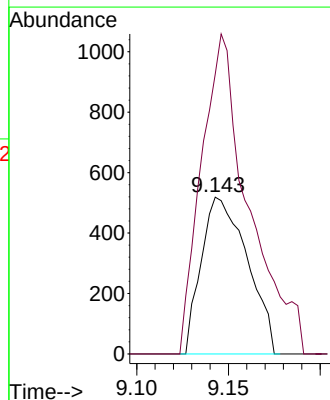
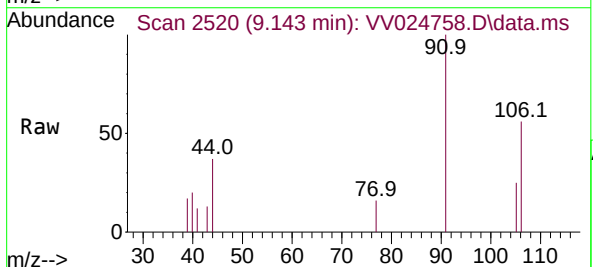
Instrument :
MSVOA_V
ClientSampleId :
BFY06

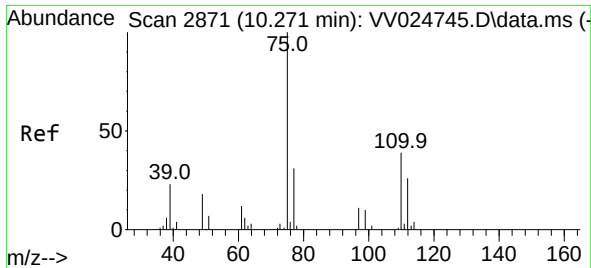
Tgt Ion:129 Resp: 3678
Ion Ratio Lower Upper
129 100
127 0.0 53.6 99.6#



#53
m,p-xylene
Concen: 0.036 ug/L
RT: 9.143 min Scan# 2520
Delta R.T. 0.010 min
Lab File: VV024758.D
Acq: 18 Feb 2022 17:03

Tgt Ion:106 Resp: 905
Ion Ratio Lower Upper
106 100
91 178.4 143.6 266.6





#61

1,2,3-Trichloropropane

Concen: 1.505 ug/L

RT: 11.246 min Scan# 31

Delta R.T. 0.974 min

Lab File: VV024758.D

Acq: 18 Feb 2022 17:03

Instrument :

MSVOA_V

ClientSampleId :

BFY06

Tgt Ion: 75 Resp: 10514

Ion Ratio Lower Upper

75 100

77 34.3 26.3 39.5

110 3.0 30.3 45.5#

