

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW021822\
 Data File : VW024761.D
 Acq On : 18 Feb 2022 18:14
 Operator : SY/MD
 Sample : N1545-06DL 25X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BFY03DL

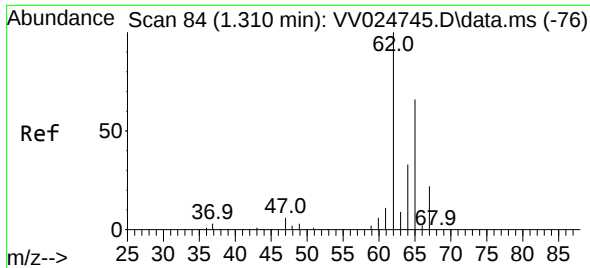
Quant Time: Feb 19 00:47:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR021722WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Feb 19 00:43:23 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	183055	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.850	117	167819	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	75163	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	60808	3.916	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.400%
7) Chloroethane-d5	1.571	69	52628	4.132	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.600%
11) 1,1-Dichloroethene-d2	2.111	63	113392	3.985	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	79.800%
20) 2-Butanone-d5	3.889	46	113748	51.289	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.580%
24) Chloroform-d	4.352	84	101660	4.196	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.000%
26) 1,2-Dichloroethane-d4	5.034	65	50220	4.650	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.000%
32) Benzene-d6	5.050	84	218634	4.516	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.400%
36) 1,2-Dichloropropane-d6	6.069	67	67504	4.738	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.800%
41) Toluene-d8	7.317	98	189250	4.302	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.000%
43) trans-1,3-Dichloroprop...	7.625	79	21413	4.512	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.200%
46) 2-Hexanone-d5	8.088	63	90817	48.627	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.260%
56) 1,1,2,2-Tetrachloroeth...	10.214	84	38846	4.524	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.400%
66) 1,2-Dichlorobenzene-d4	11.622	152	60697	4.667	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.400%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.314	62	4775	0.244	ug/L #	80
12) 1,1-Dichloroethene	2.121	96	61947	4.345	ug/L	98
19) 1,1-Dichloroethane	3.195	63	15211	0.597	ug/L	97
22) cis-1,2-Dichloroethene	3.915	96	97381	6.617	ug/L	97
25) Chloroform	4.387	83	7214	0.271	ug/L	96
27) 1,2-Dichloroethane	5.146	62	803	0.056	ug/L #	73
29) 1,1,1-Trichloroethane	4.609	97	16341	0.726	ug/L	99
31) Carbon tetrachloride	4.619	117	2082	0.110	ug/L	100
34) Trichloroethene	5.918	95	33803	2.246	ug/L	95
35) Methylcyclohexane	6.069	83	15070	0.620	ug/L #	19
37) 1,2-Dichloropropane	6.069	63	7346	0.547	ug/L #	86
39) cis-1,3-Dichloropropene	6.985	75	1700	0.091	ug/L	87
45) 1,1,2-Trichloroethane	7.976	97	639	0.073	ug/L #	1
47) Tetrachloroethene	7.976	164	68175	6.652	ug/L	95
49) Dibromochloromethane	7.976	129	69970	7.220	ug/L #	11
61) 1,2,3-Trichloropropane	11.246	75	9839	1.444	ug/L #	68

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

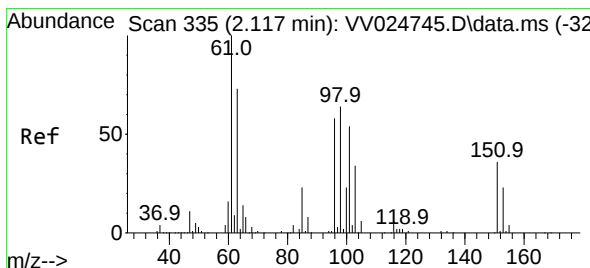
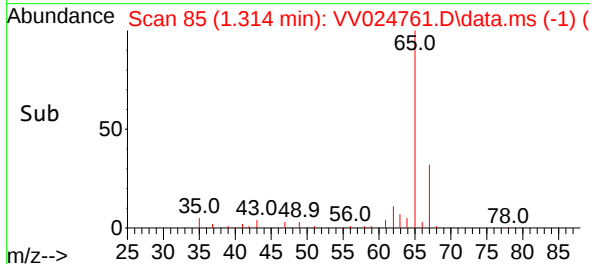
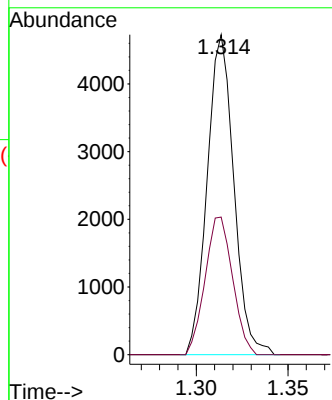
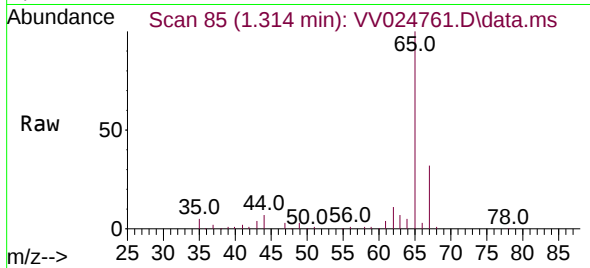
Instrument :
MSVOA_V
ClientSampleId :
BFY03DL



#5
 Vinyl chloride
 Concen: 0.244 ug/L
 RT: 1.314 min Scan# 84
 Delta R.T. 0.003 min
 Lab File: VV024761.D
 Acq: 18 Feb 2022 18:14

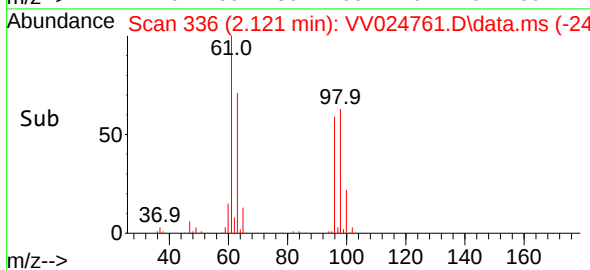
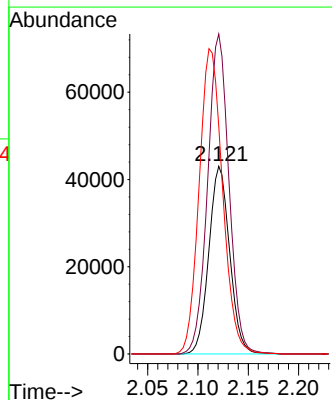
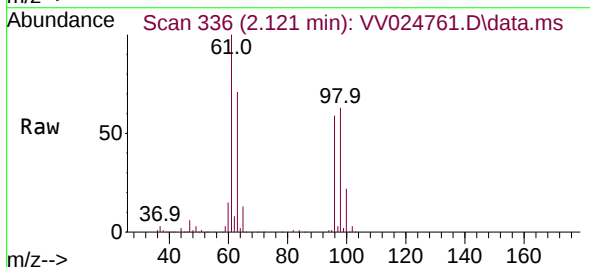
Instrument :
 MSVOA_V
 ClientSampleId :
 BFY03DL

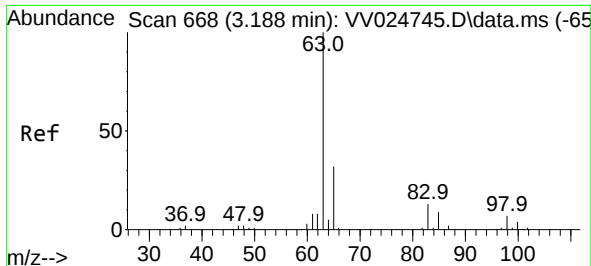
Tgt Ion: 62 Resp: 4775
 Ion Ratio Lower Upper
 62 100
 64 43.0 22.2 41.2#



#12
 1,1-Dichloroethene
 Concen: 4.345 ug/L
 RT: 2.121 min Scan# 336
 Delta R.T. 0.003 min
 Lab File: VV024761.D
 Acq: 18 Feb 2022 18:14

Tgt Ion: 96 Resp: 61947
 Ion Ratio Lower Upper
 96 100
 61 170.6 116.3 216.1
 63 121.4 86.0 159.6





#19

1,1-Dichloroethane

Concen: 0.597 ug/L

RT: 3.195 min Scan# 61

Delta R.T. 0.006 min

Lab File: VV024761.D

Acq: 18 Feb 2022 18:14

Instrument :

MSVOA_V

ClientSampleId :

BFY03DL

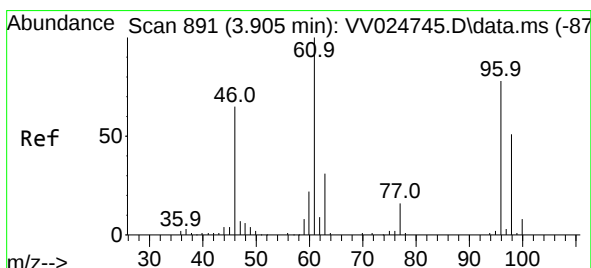
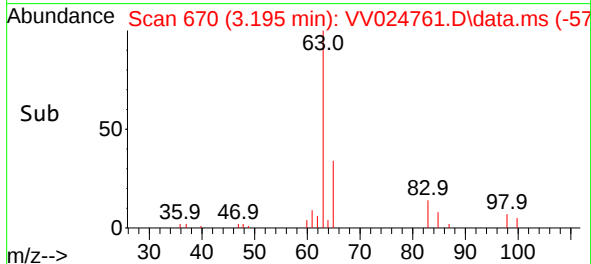
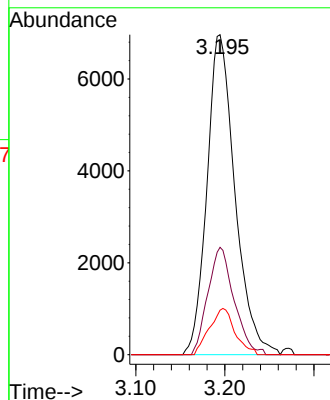
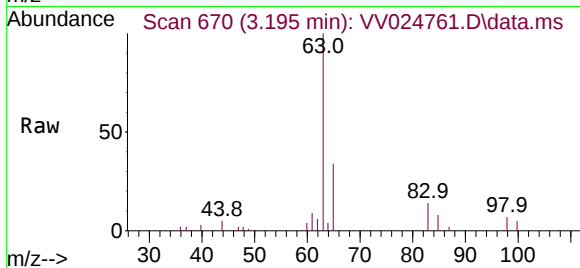
Tgt Ion: 63 Resp: 15211

Ion Ratio Lower Upper

63 100

65 33.5 22.0 40.8

83 13.9 9.5 17.7



#22

cis-1,2-Dichloroethene

Concen: 6.617 ug/L

RT: 3.915 min Scan# 894

Delta R.T. 0.010 min

Lab File: VV024761.D

Acq: 18 Feb 2022 18:14

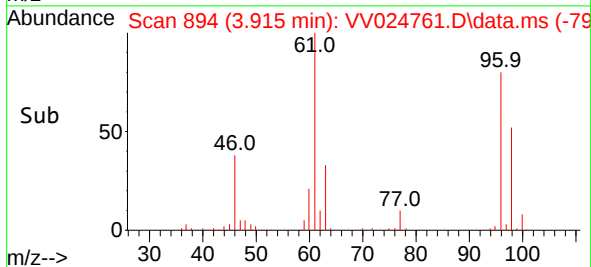
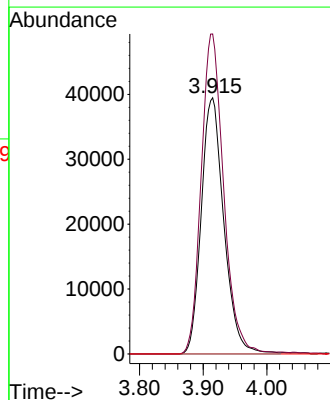
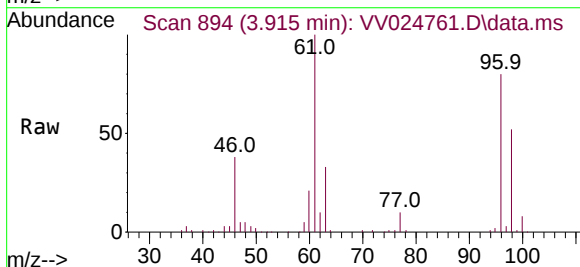
Tgt Ion: 96 Resp: 97381

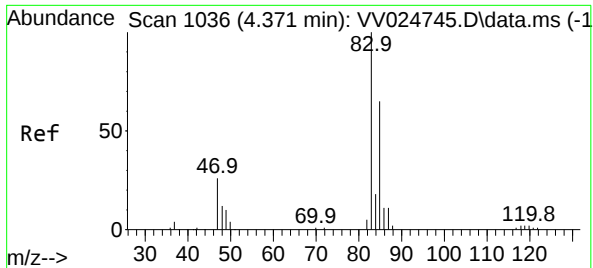
Ion Ratio Lower Upper

96 100

61 125.0 89.7 166.5

68 0.0 0.0 0.0

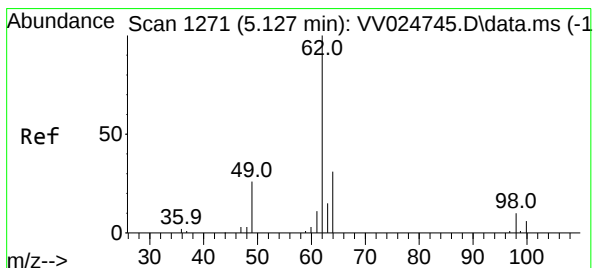
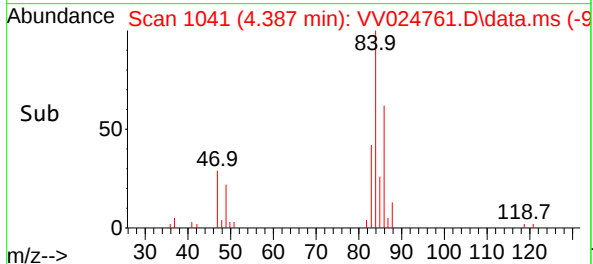
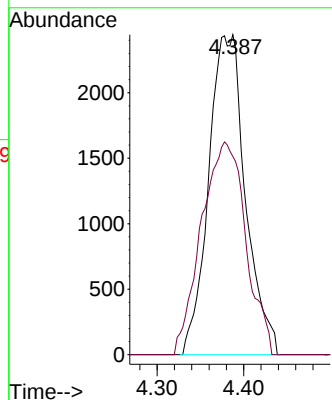
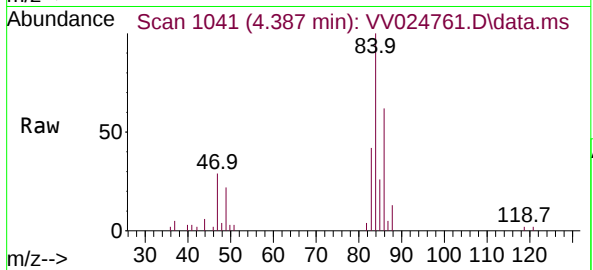




#25
Chloroform
Concen: 0.271 ug/L
RT: 4.387 min Scan# 1036
Delta R.T. 0.016 min
Lab File: VV024761.D
Acq: 18 Feb 2022 18:14

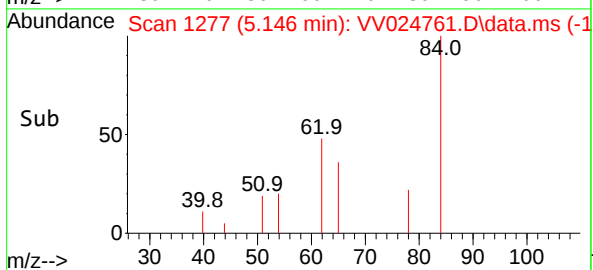
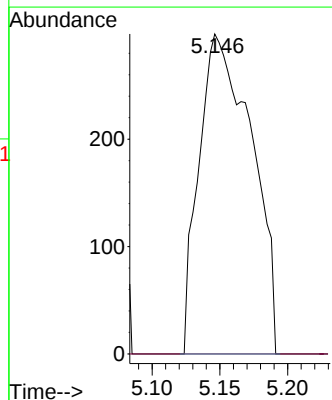
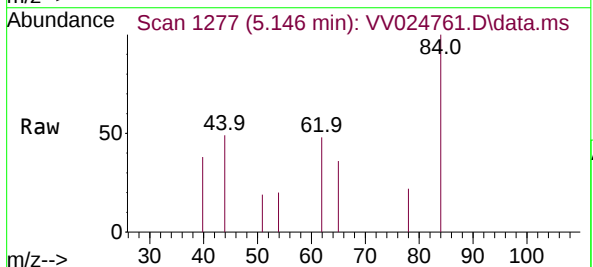
Instrument :
MSVOA_V
ClientSampleId :
BFY03DL

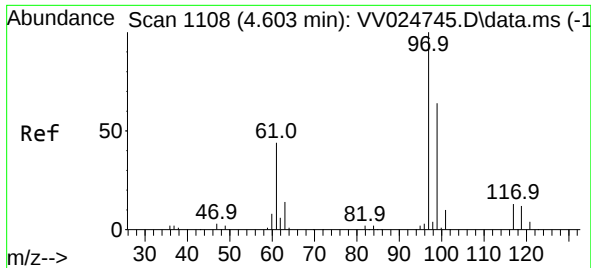
Tgt Ion: 83 Resp: 7214
Ion Ratio Lower Upper
83 100
85 62.0 45.5 84.5



#27
1,2-Dichloroethane
Concen: 0.056 ug/L
RT: 5.146 min Scan# 1277
Delta R.T. 0.019 min
Lab File: VV024761.D
Acq: 18 Feb 2022 18:14

Tgt Ion: 62 Resp: 803
Ion Ratio Lower Upper
62 100
98 0.0 8.2 12.2#





#29

1,1,1-Trichloroethane

Concen: 0.726 ug/L

RT: 4.609 min Scan# 1108

Delta R.T. 0.006 min

Lab File: VV024761.D

Acq: 18 Feb 2022 18:14

Instrument :

MSVOA_V

ClientSampleId :

BFY03DL

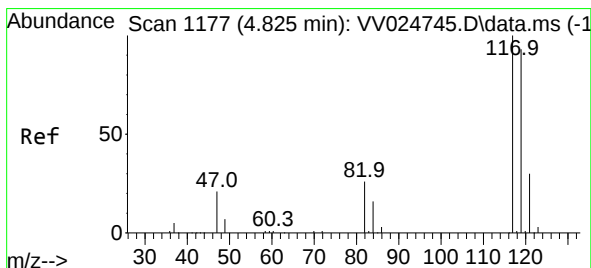
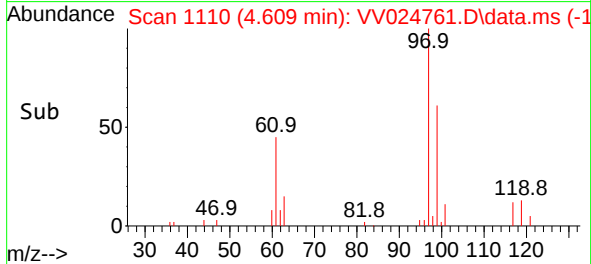
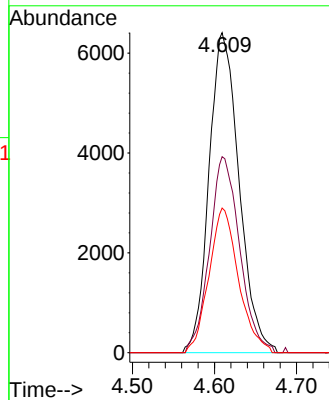
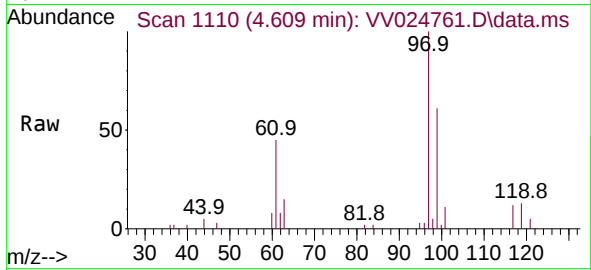
Tgt Ion: 97 Resp: 16341

Ion Ratio Lower Upper

97 100

99 61.4 50.5 75.7

61 44.5 35.8 53.6



#31

Carbon tetrachloride

Concen: 0.110 ug/L

RT: 4.619 min Scan# 1113

Delta R.T. -0.206 min

Lab File: VV024761.D

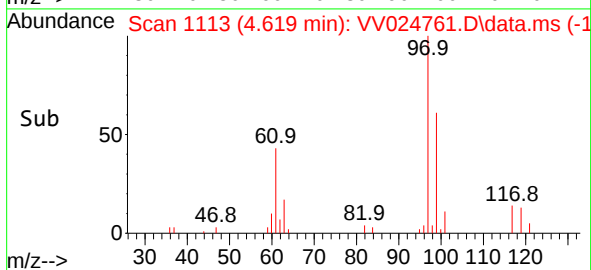
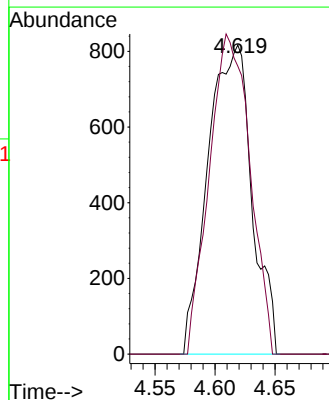
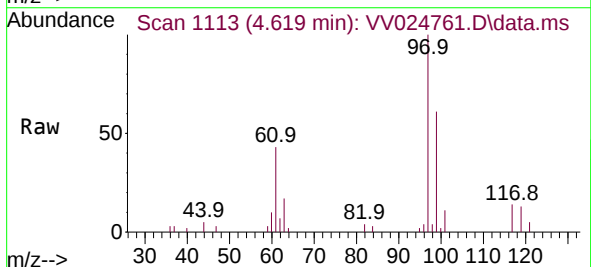
Acq: 18 Feb 2022 18:14

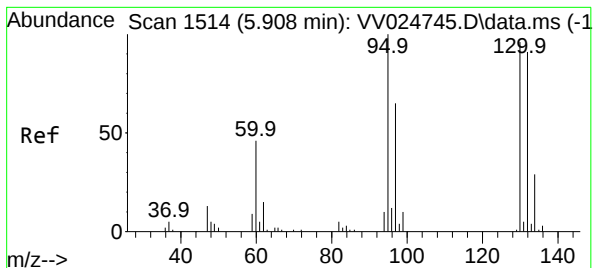
Tgt Ion: 117 Resp: 2082

Ion Ratio Lower Upper

117 100

119 95.7 76.6 115.0





#34

Trichloroethene

Concen: 2.246 ug/L

RT: 5.918 min Scan# 1

Delta R.T. 0.010 min

Lab File: VV024761.D

Acq: 18 Feb 2022 18:14

Instrument :

MSVOA_V

ClientSampleId :

BFY03DL

Tgt Ion: 95 Resp: 33803

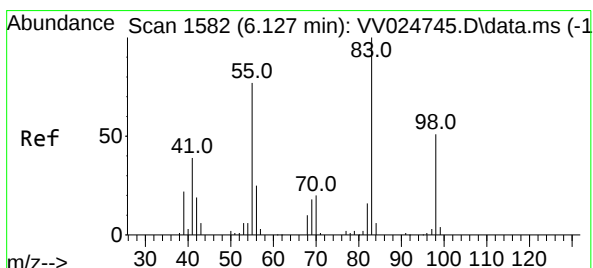
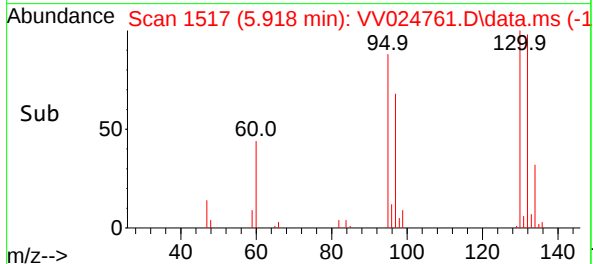
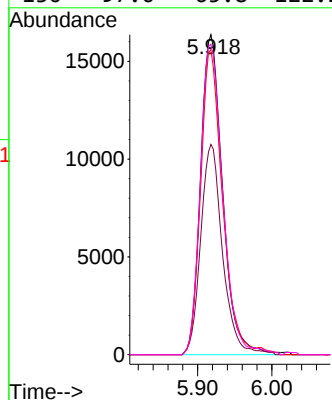
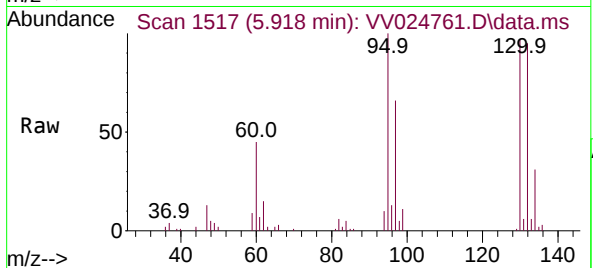
Ion Ratio Lower Upper

95 100

97 65.7 44.2 82.0

132 95.3 62.1 115.3

130 97.0 65.8 122.2



#35

Methylcyclohexane

Concen: 0.620 ug/L

RT: 6.069 min Scan# 1564

Delta R.T. -0.058 min

Lab File: VV024761.D

Acq: 18 Feb 2022 18:14

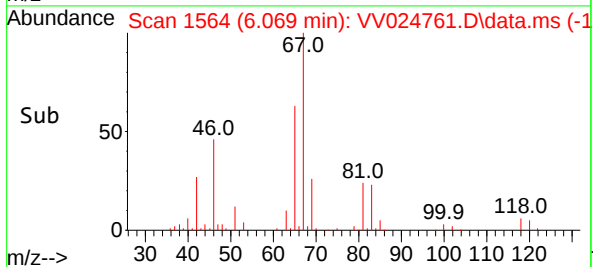
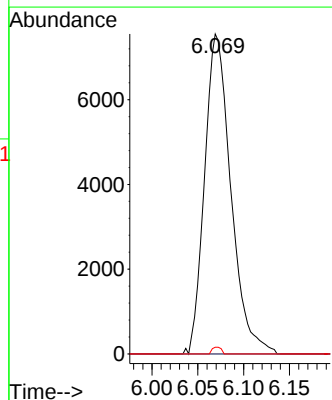
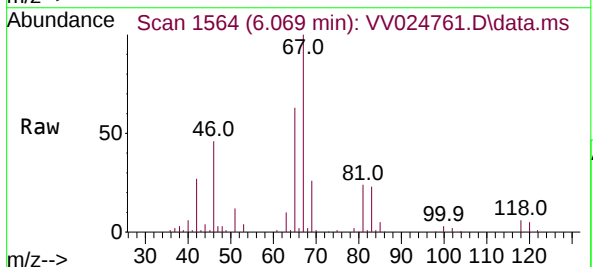
Tgt Ion: 83 Resp: 15070

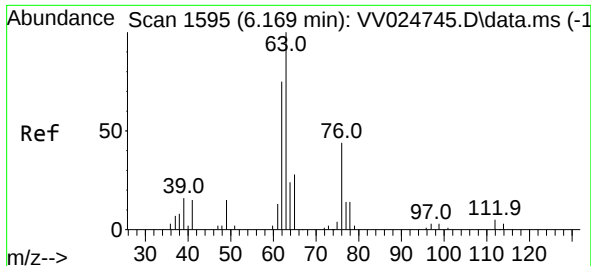
Ion Ratio Lower Upper

83 100

55 0.0 58.8 88.2#

98 0.7 38.6 58.0#





#37

1,2-Dichloropropane

Concen: 0.547 ug/L

RT: 6.069 min Scan# 11

Delta R.T. -0.100 min

Lab File: VV024761.D

Acq: 18 Feb 2022 18:14

Instrument :

MSVOA_V

ClientSampleId :

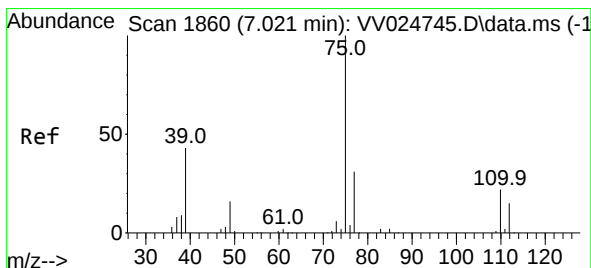
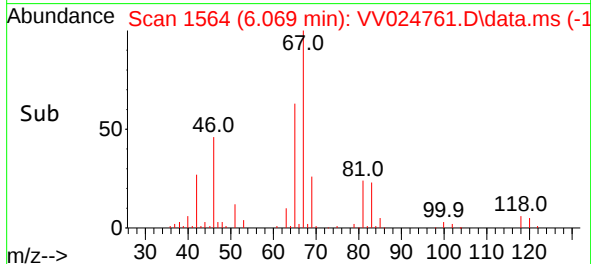
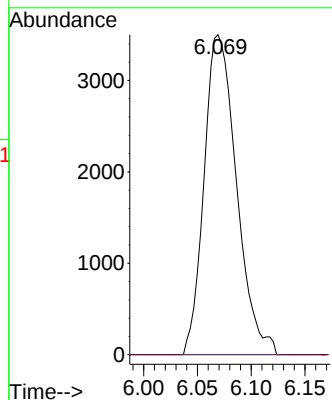
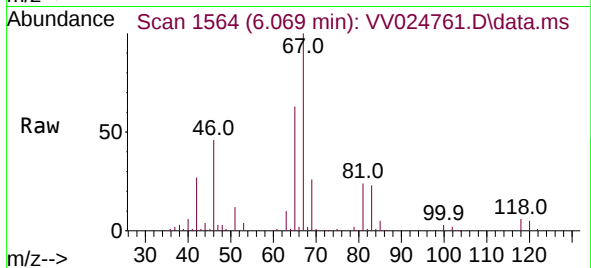
BFY03DL

Tgt Ion: 63 Resp: 7346

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



#39

cis-1,3-Dichloropropene

Concen: 0.091 ug/L

RT: 6.985 min Scan# 1849

Delta R.T. -0.035 min

Lab File: VV024761.D

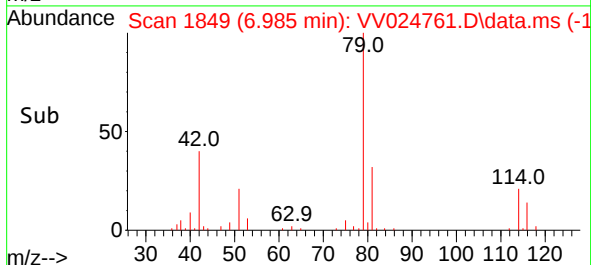
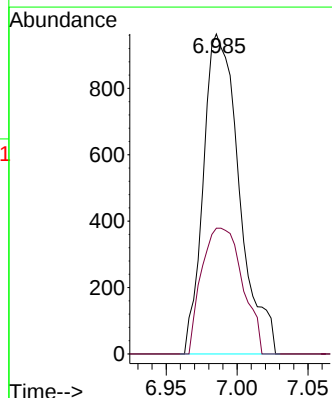
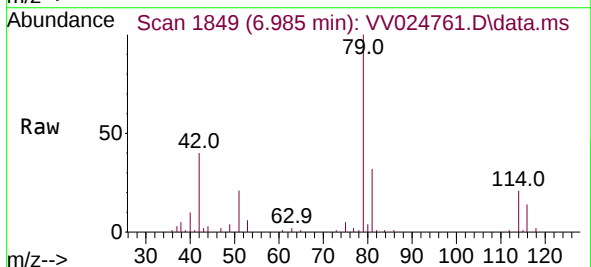
Acq: 18 Feb 2022 18:14

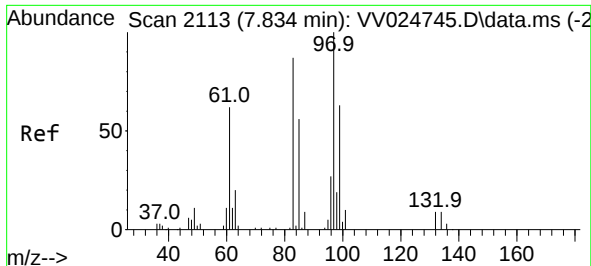
Tgt Ion: 75 Resp: 1700

Ion Ratio Lower Upper

75 100

77 39.3 22.3 41.5





#45

1,1,2-Trichloroethane

Concen: 0.073 ug/L

RT: 7.976 min Scan# 2113

Delta R.T. 0.141 min

Lab File: VV024761.D

Acq: 18 Feb 2022 18:14

Instrument :

MSVOA_V

ClientSampleId :

BFY03DL

Tgt Ion: 97 Resp: 639

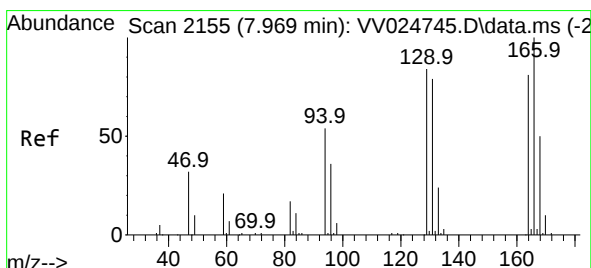
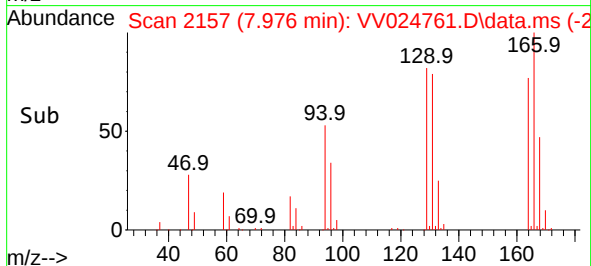
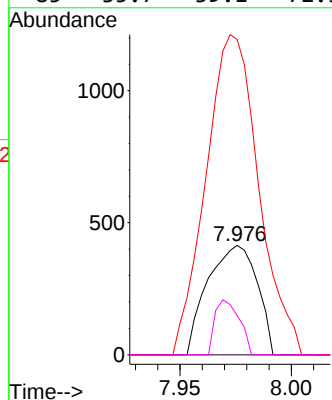
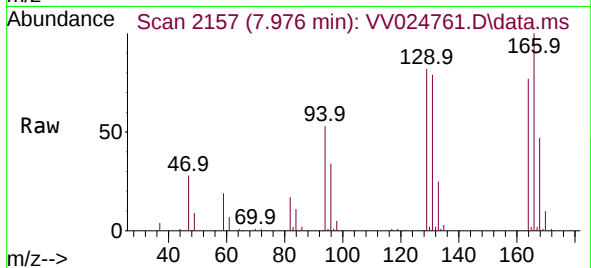
Ion Ratio Lower Upper

97 100

99 0.0 43.8 81.3#

83 288.4 61.3 113.9#

85 35.7 39.1 72.5#



#47

Tetrachloroethene

Concen: 6.652 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.006 min

Lab File: VV024761.D

Acq: 18 Feb 2022 18:14

Tgt Ion:164 Resp: 68175

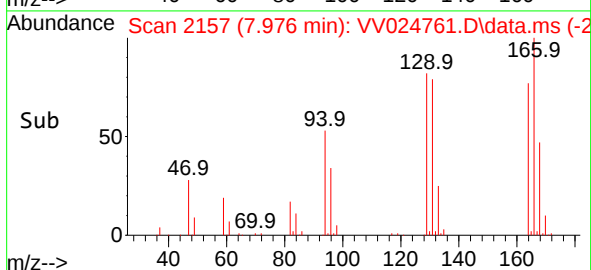
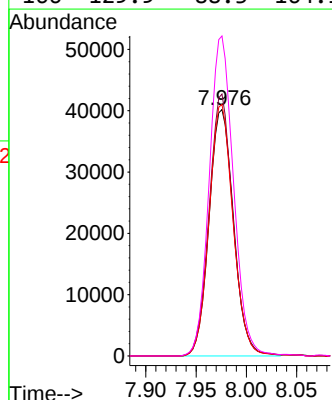
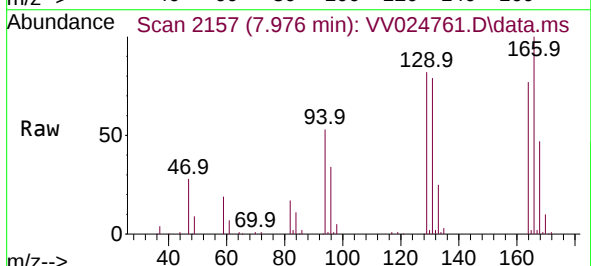
Ion Ratio Lower Upper

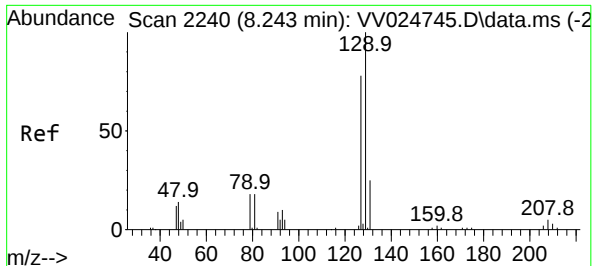
164 100

129 106.3 70.3 130.7

131 102.1 67.7 125.7

166 129.9 88.3 164.1





#49

Dibromochloromethane

Concen: 7.220 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.267 min

Lab File: VV024761.D

Acq: 18 Feb 2022 18:14

Instrument :

MSVOA_V

ClientSampleId :

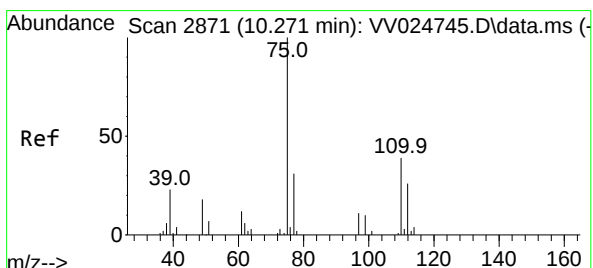
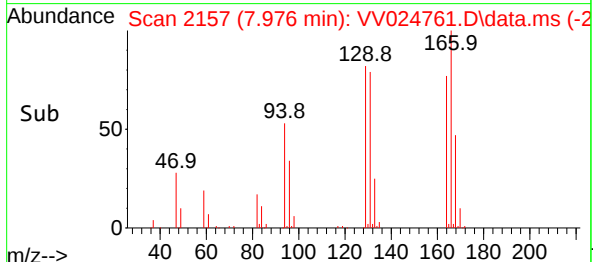
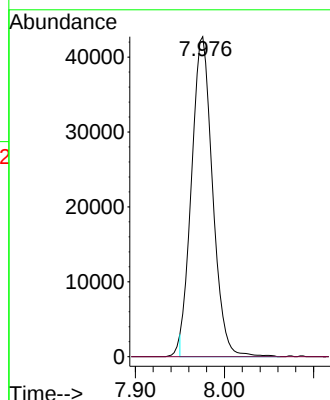
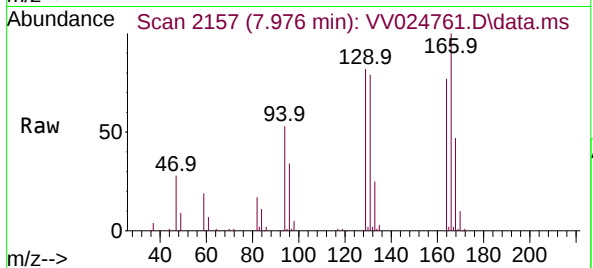
BFY03DL

Tgt Ion:129 Resp: 69970

Ion Ratio Lower Upper

129 100

127 0.0 53.6 99.6#



#61

1,2,3-Trichloropropane

Concen: 1.444 ug/L

RT: 11.246 min Scan# 3174

Delta R.T. 0.974 min

Lab File: VV024761.D

Acq: 18 Feb 2022 18:14

Tgt Ion: 75 Resp: 9839

Ion Ratio Lower Upper

75 100

77 33.1 26.3 39.5

110 2.2 30.3 45.5#

