

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW042823\
 Data File : VW030919.D
 Acq On : 28 Apr 2023 14:30
 Operator : SY/MD
 Sample : 02488-04
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHE60

Quant Time: Apr 29 01:08:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR042823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Apr 29 01:06:38 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	138582	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	136524	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	67267	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	56632	4.960	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.200%
7) Chloroethane-d5	1.535	69	48164	5.171	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.400%
11) 1,1-Dichloroethene-d2	2.063	65	30254	5.007	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.200%
20) 2-Butanone-d5	3.828	46	72863	35.987	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	71.980%
24) Chloroform-d	4.259	84	110559	4.872	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.400%
26) 1,2-Dichloroethane-d4	4.953	65	57871	5.017	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.400%
32) Benzene-d6	4.966	84	200560	5.012	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.200%
36) 1,2-Dichloropropane-d6	5.995	67	57899	4.976	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.600%
41) Toluene-d8	7.249	98	173707	4.558	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.200%
43) trans-1,3-Dichloroprop...	7.561	79	22058	5.057	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.200%
46) 2-Hexanone-d5	8.037	63	67879	44.416	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.840%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	38002	4.506	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	90.200%
66) 1,2-Dichlorobenzene-d4	11.567	152	66397	5.295	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.000%
Target Compounds						
					Qvalue	
3) Chloromethane	1.217	50	1474	0.115	ug/L	88
6) Bromomethane	1.500	94	758	0.148	ug/L	81
9) Trichlorofluoromethane	1.719	101	3331	0.168	ug/L	86
12) 1,1-Dichloroethene	2.072	96	32061	3.438	ug/L #	74
19) 1,1-Dichloroethane	3.117	63	104646	6.362	ug/L	99
22) cis-1,2-Dichloroethene	3.825	96	25806	2.871	ug/L	92
25) Chloroform	4.294	83	9424	0.534	ug/L	91
27) 1,2-Dichloroethane	5.066	62	1900	0.172	ug/L #	89
29) 1,1,1-Trichloroethane	4.522	97	18770	1.094	ug/L	98
31) Carbon tetrachloride	4.751	117	1076	0.070	ug/L #	30
34) Trichloroethene	5.841	95	85838	9.377	ug/L	98
35) Methylcyclohexane	5.995	83	15461	1.090	ug/L #	18
37) 1,2-Dichloropropane	5.998	63	8343	1.024	ug/L #	87
47) Tetrachloroethene	7.911	164	18291	2.094	ug/L	95
48) 2-Hexanone	8.095	43	8725	2.695	ug/L #	84
49) Dibromochloromethane	7.911	129	15052	1.980	ug/L #	10
71) Naphthalene	13.451	128	2192	0.135	ug/L #	89
72) 1,2,3-Trichlorobenzene	13.692	180	841	0.088	ug/L	88

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV042823\
Data File : VV030919.D
Acq On : 28 Apr 2023 14:30
Operator : SY/MD
Sample : 02488-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHE60

Quant Time: Apr 29 01:08:15 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR042823WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Apr 29 01:06:38 2023
Response via : Initial Calibration

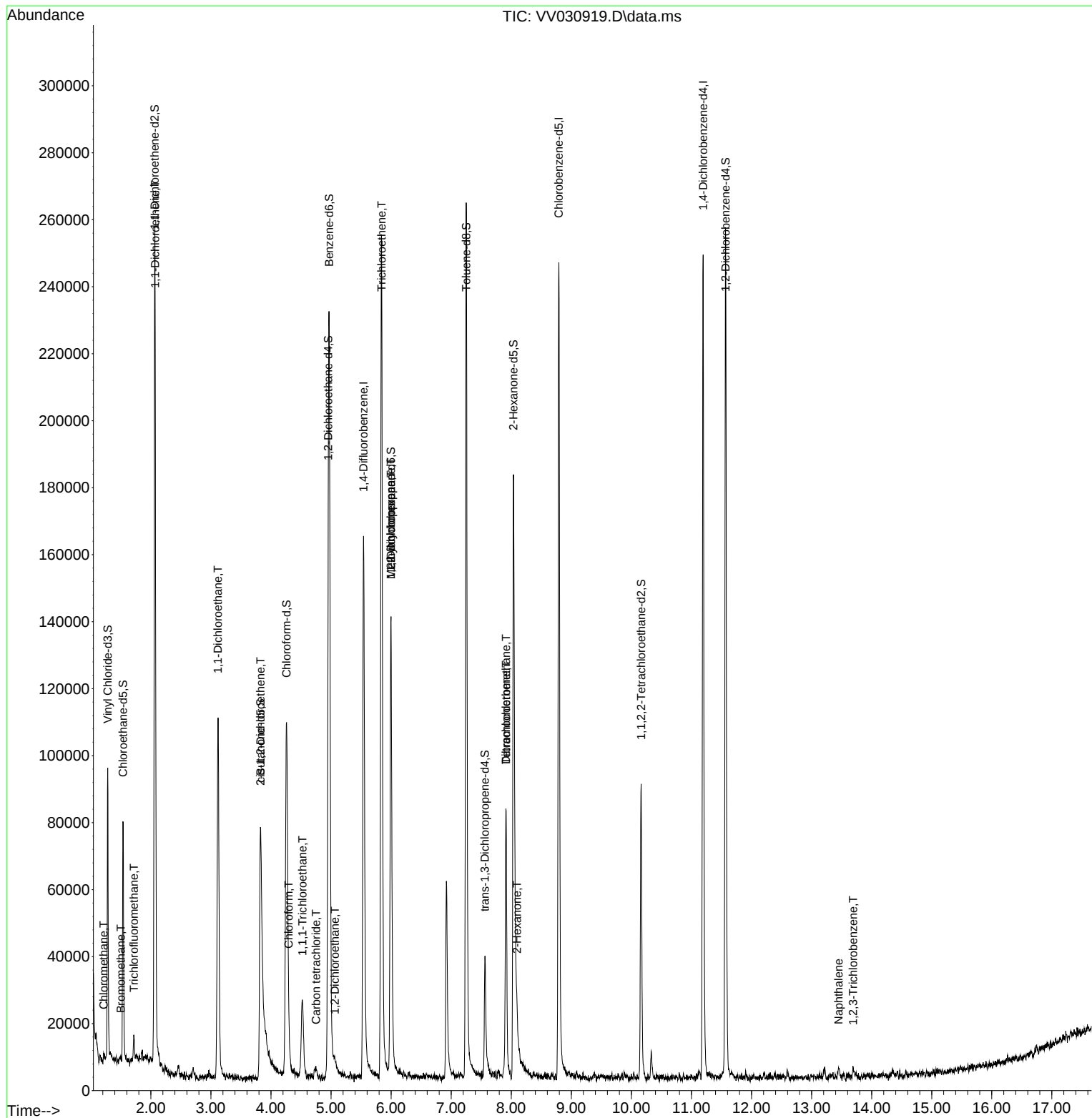
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

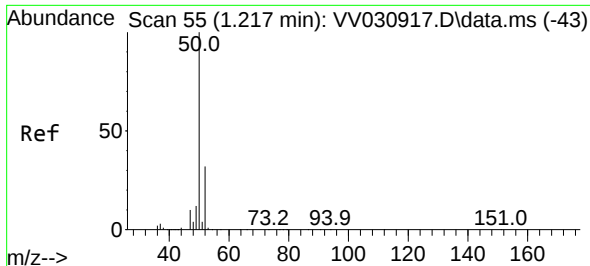
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV042823\
Data File : VV030919.D
Acq On : 28 Apr 2023 14:30
Operator : SY/MD
Sample : 02488-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHE60

Quant Time: Apr 29 01:08:15 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR042823WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Apr 29 01:06:38 2023
Response via : Initial Calibration

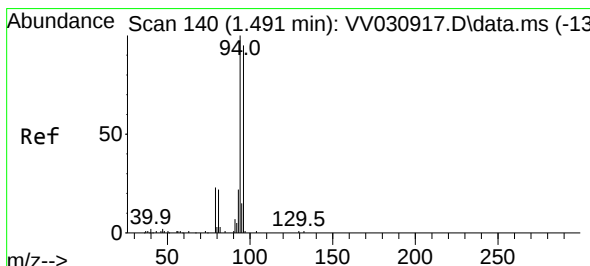
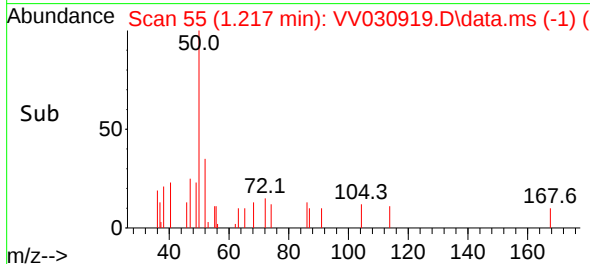
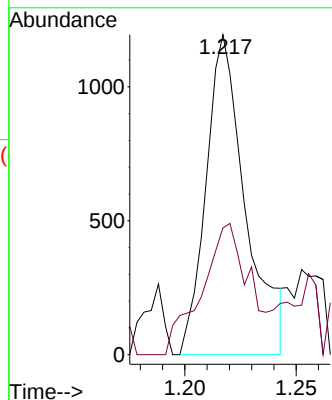
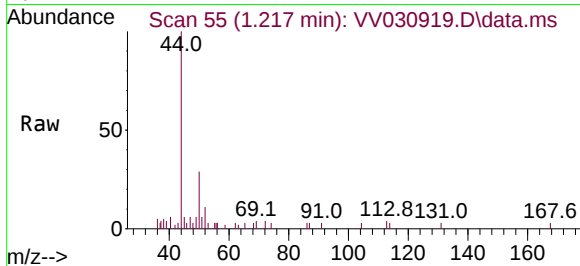




#3
Chloromethane
Concen: 0.115 ug/L
RT: 1.217 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV030919.D
Acq: 28 Apr 2023 14:30

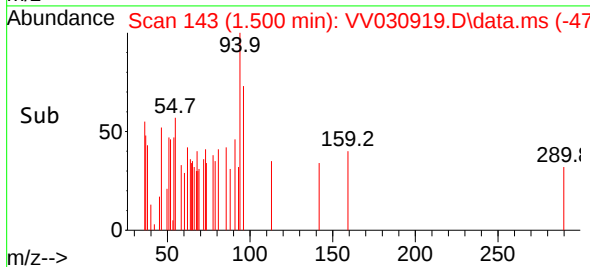
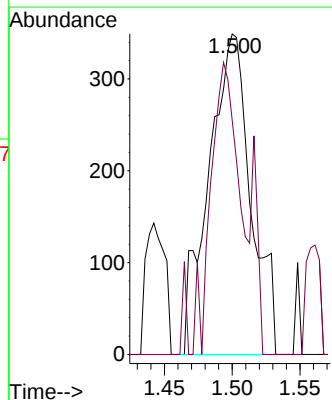
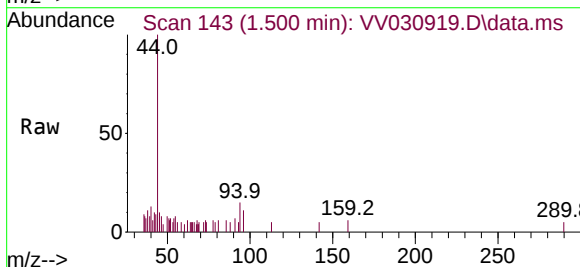
Instrument :
MSVOA_V
ClientSampleId :
BHE60

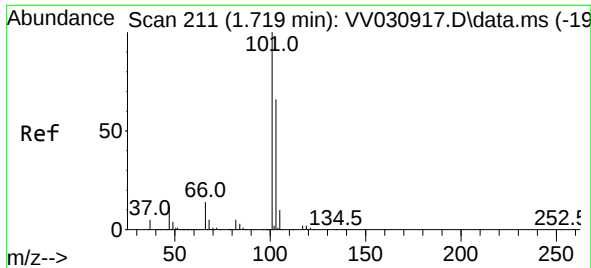
Tgt Ion: 50 Resp: 1474
Ion Ratio Lower Upper
50 100
52 39.6 22.8 42.4



#6
Bromomethane
Concen: 0.148 ug/L
RT: 1.500 min Scan# 143
Delta R.T. 0.009 min
Lab File: VV030919.D
Acq: 28 Apr 2023 14:30

Tgt Ion: 94 Resp: 758
Ion Ratio Lower Upper
94 100
96 73.1 63.4 117.8

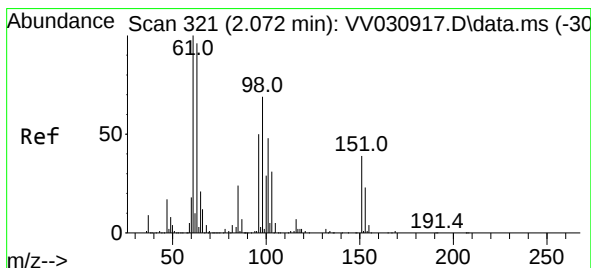
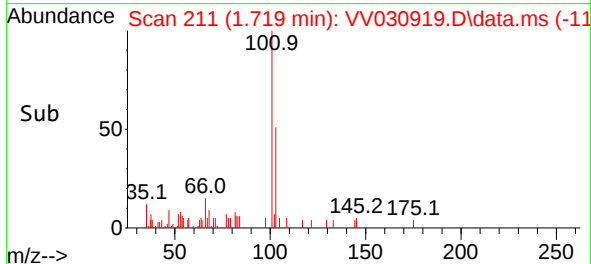
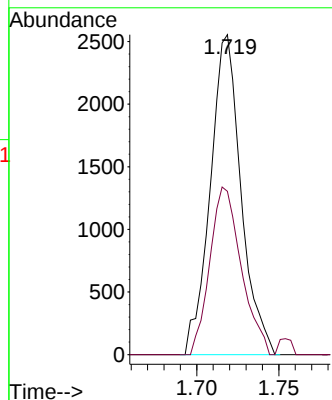
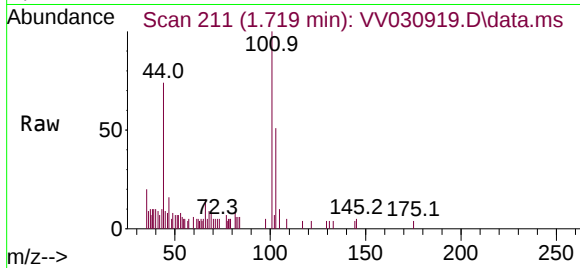




#9
 Trichlorofluoromethane
 Concen: 0.168 ug/L
 RT: 1.719 min Scan# 211
 Delta R.T. -0.000 min
 Lab File: VV030919.D
 Acq: 28 Apr 2023 14:30

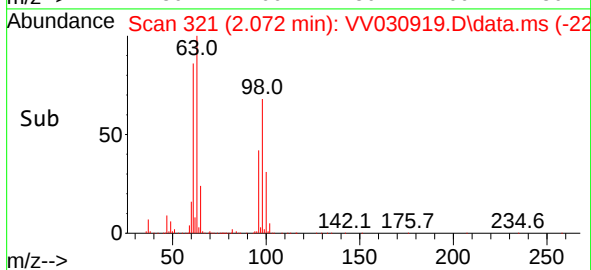
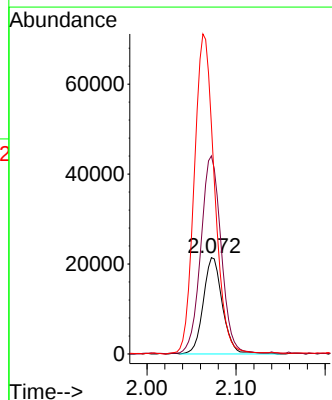
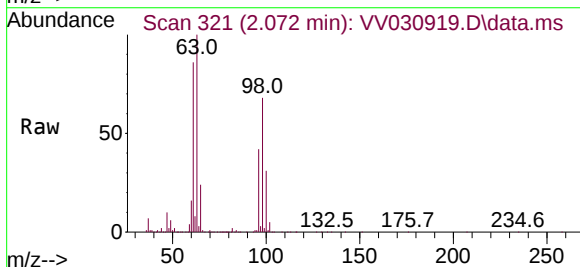
Instrument :
 MSVOA_V
 ClientSampleId :
 BHE60

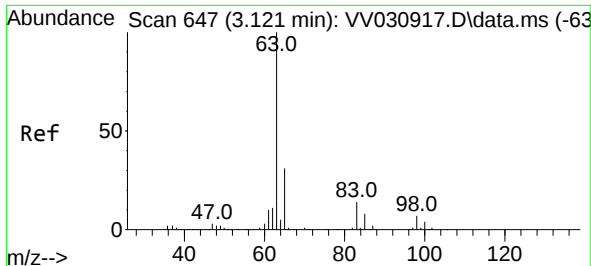
Tgt Ion:101 Resp: 3331
 Ion Ratio Lower Upper
 101 100
 103 53.5 51.8 77.8



#12
 1,1-Dichloroethene
 Concen: 3.438 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. -0.000 min
 Lab File: VV030919.D
 Acq: 28 Apr 2023 14:30

Tgt Ion: 96 Resp: 32061
 Ion Ratio Lower Upper
 96 100
 61 205.6 135.6 251.8
 63 237.9 121.1 224.9#





#19

1,1-Dichloroethane

Concen: 6.362 ug/L

RT: 3.117 min Scan# 64

Delta R.T. -0.003 min

Lab File: VV030919.D

Acq: 28 Apr 2023 14:30

Instrument :

MSVOA_V

ClientSampleId :

BHE60

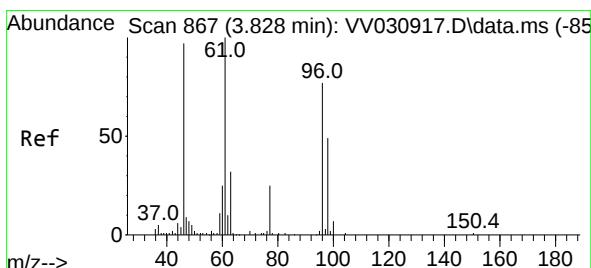
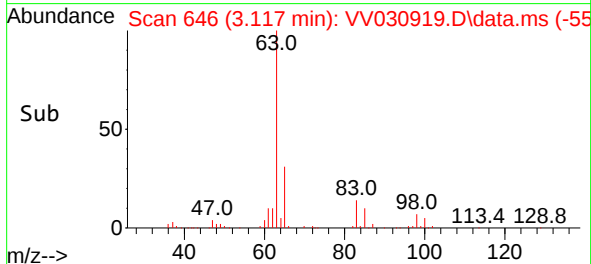
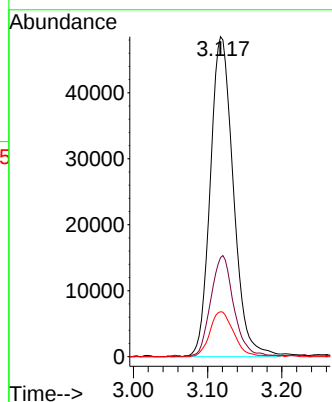
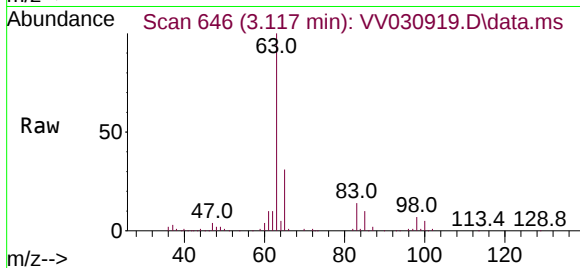
Tgt Ion: 63 Resp: 104646

Ion Ratio Lower Upper

63 100

65 31.0 21.8 40.6

83 14.0 10.2 19.0



#22

cis-1,2-Dichloroethene

Concen: 2.871 ug/L

RT: 3.825 min Scan# 866

Delta R.T. -0.003 min

Lab File: VV030919.D

Acq: 28 Apr 2023 14:30

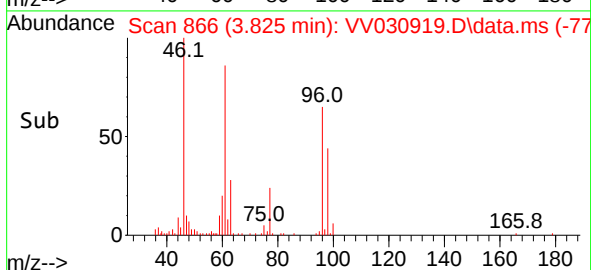
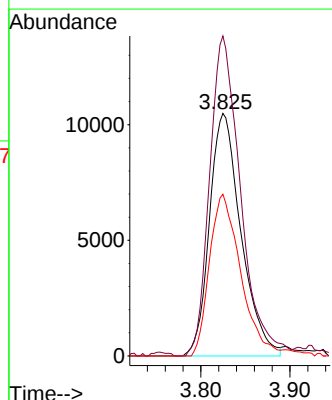
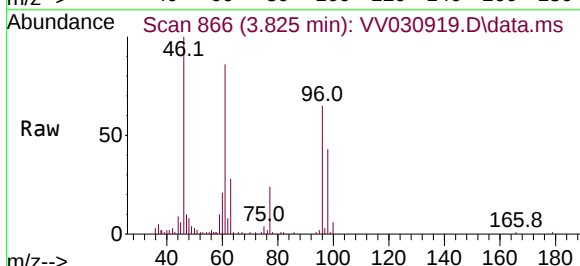
Tgt Ion: 96 Resp: 25806

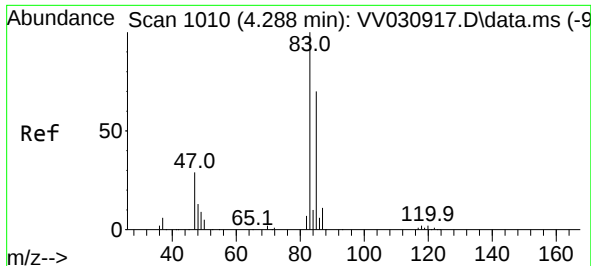
Ion Ratio Lower Upper

96 100

61 131.9 86.0 159.6

98 66.7 43.2 80.2

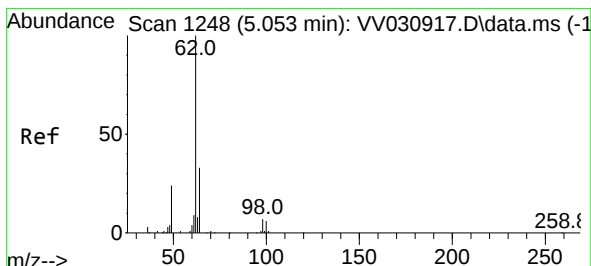
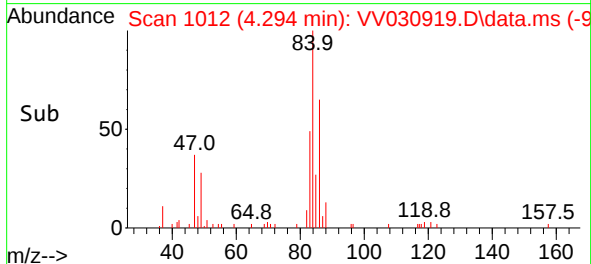
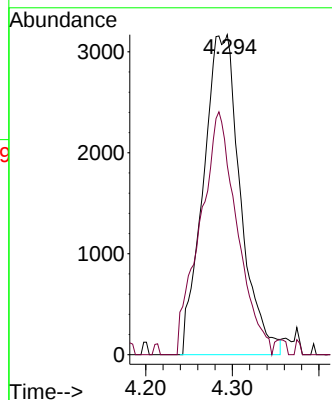
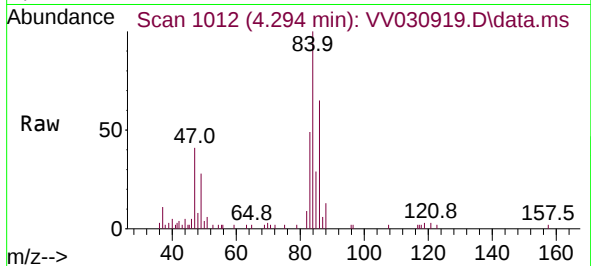




#25
Chloroform
Concen: 0.534 ug/L
RT: 4.294 min Scan# 1010
Delta R.T. 0.006 min
Lab File: VV030919.D
Acq: 28 Apr 2023 14:30

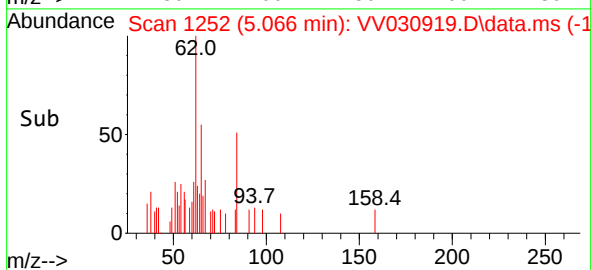
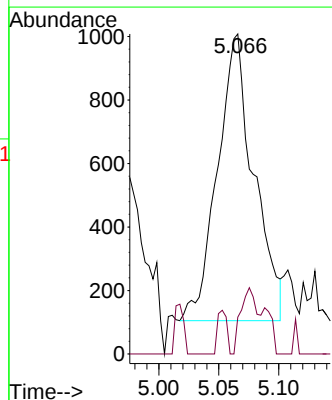
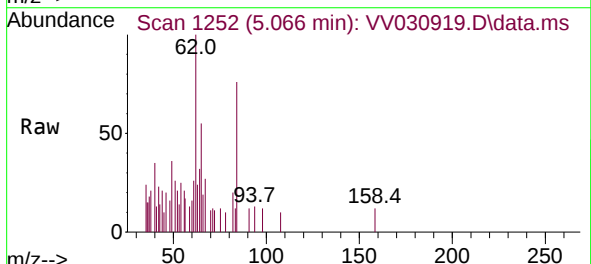
Instrument :
MSVOA_V
ClientSampleId :
BHE60

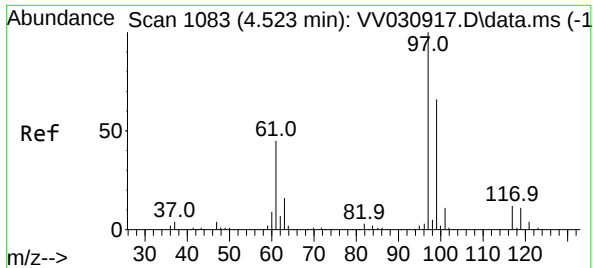
Tgt Ion: 83 Resp: 9424
Ion Ratio Lower Upper
83 100
85 59.3 46.4 86.2



#27
1,2-Dichloroethane
Concen: 0.172 ug/L
RT: 5.066 min Scan# 1252
Delta R.T. 0.013 min
Lab File: VV030919.D
Acq: 28 Apr 2023 14:30

Tgt Ion: 62 Resp: 1900
Ion Ratio Lower Upper
62 100
98 11.5 6.0 9.0#





#29

1,1,1-Trichloroethane

Concen: 1.094 ug/L

RT: 4.522 min Scan# 110

Delta R.T. -0.000 min

Lab File: VV030919.D

Acq: 28 Apr 2023 14:30

Instrument :

MSVOA_V

ClientSampleId :

BHE60

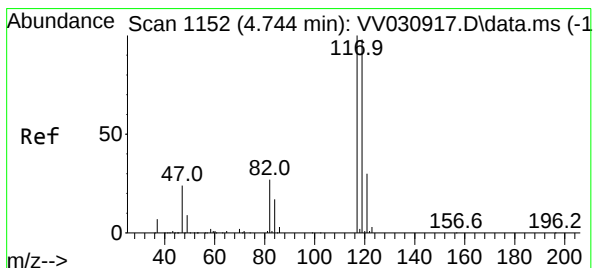
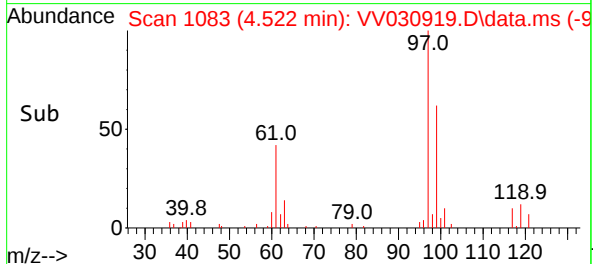
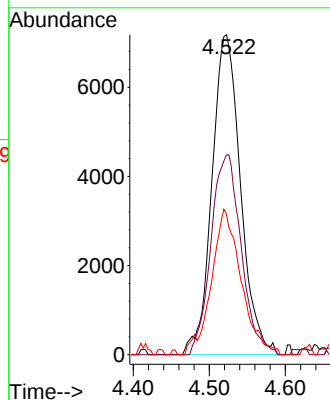
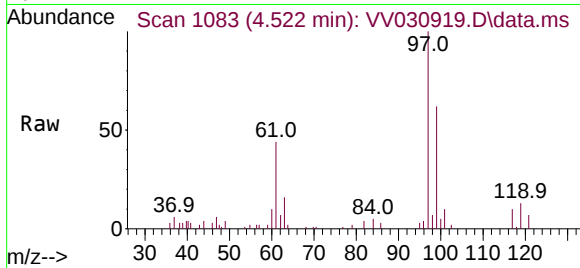
Tgt Ion: 97 Resp: 18770

Ion Ratio Lower Upper

97 100

99 65.9 51.4 77.2

61 47.3 37.4 56.0



#31

Carbon tetrachloride

Concen: 0.070 ug/L

RT: 4.751 min Scan# 1154

Delta R.T. 0.006 min

Lab File: VV030919.D

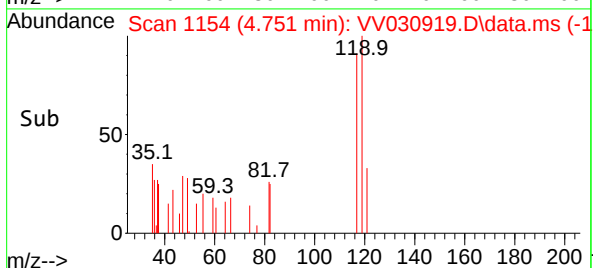
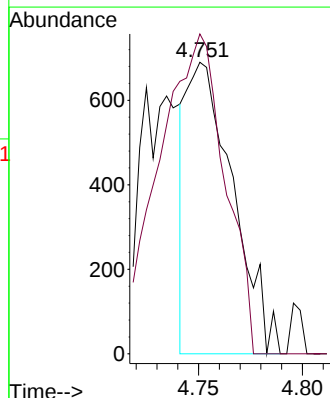
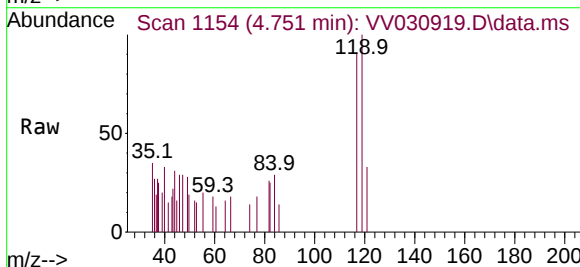
Acq: 28 Apr 2023 14:30

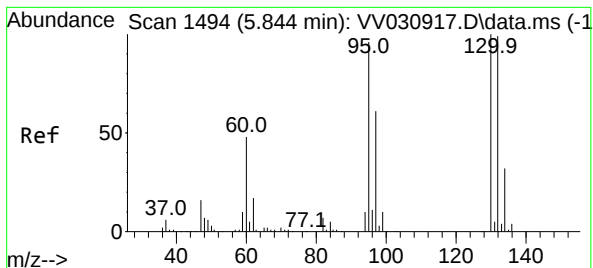
Tgt Ion: 117 Resp: 1076

Ion Ratio Lower Upper

117 100

119 166.9 78.4 117.6#





#34

Trichloroethene

Concen: 9.377 ug/L

RT: 5.841 min Scan# 1494

Delta R.T. -0.003 min

Lab File: VV030919.D

Acq: 28 Apr 2023 14:30

Instrument :

MSVOA_V

ClientSampleId :

BHE60

Tgt Ion: 95 Resp: 85838

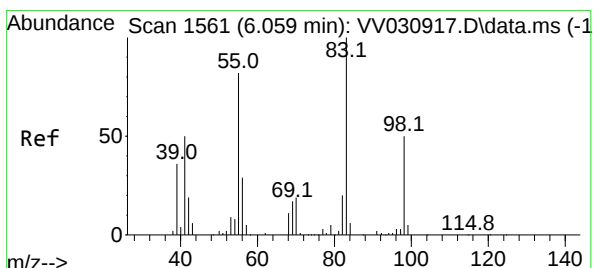
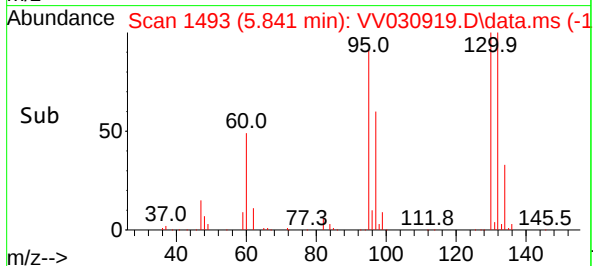
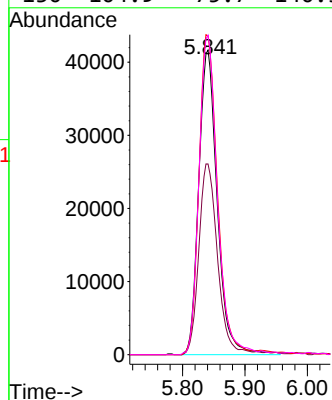
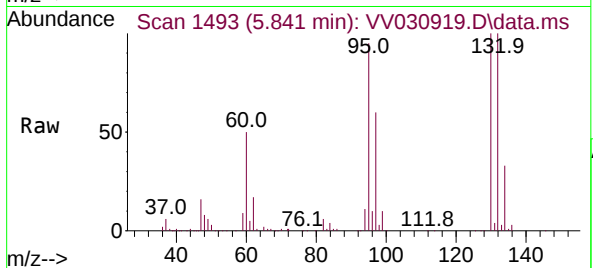
Ion Ratio Lower Upper

95 100

97 62.6 46.2 85.8

132 104.6 72.7 135.1

130 104.9 75.7 140.5



#35

Methylcyclohexane

Concen: 1.090 ug/L

RT: 5.995 min Scan# 1541

Delta R.T. -0.064 min

Lab File: VV030919.D

Acq: 28 Apr 2023 14:30

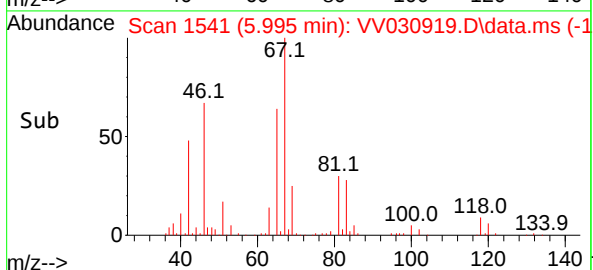
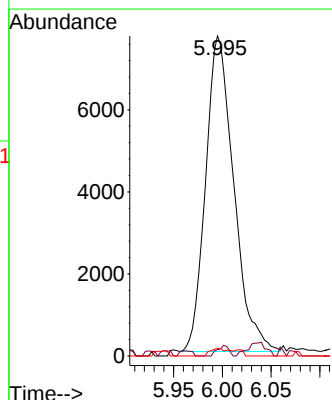
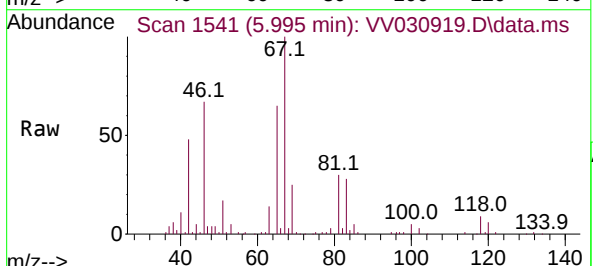
Tgt Ion: 83 Resp: 15461

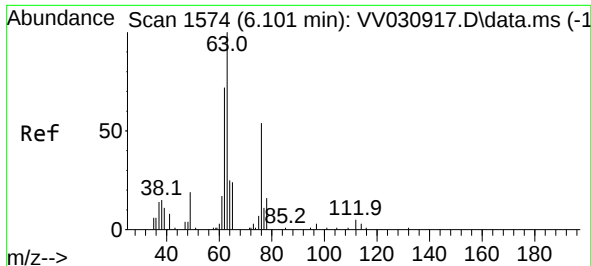
Ion Ratio Lower Upper

83 100

55 1.3 62.9 94.3#

98 1.6 40.5 60.7#





#37

1,2-Dichloropropane

Concen: 1.024 ug/L

RT: 5.998 min Scan# 11

Delta R.T. -0.103 min

Lab File: VV030919.D

Acq: 28 Apr 2023 14:30

Instrument :

MSVOA_V

ClientSampleId :

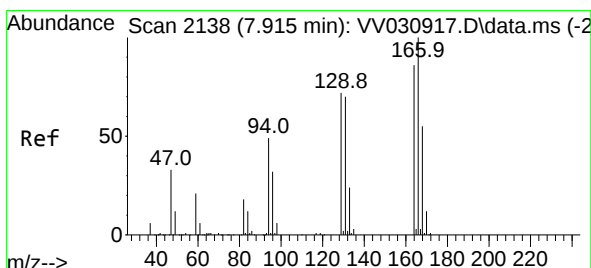
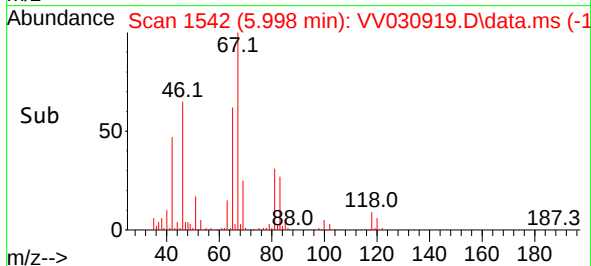
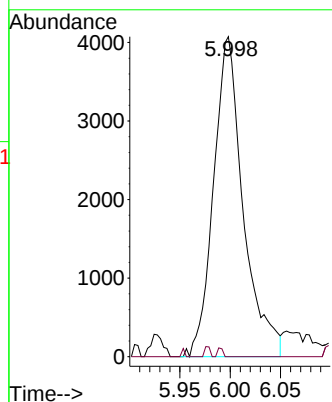
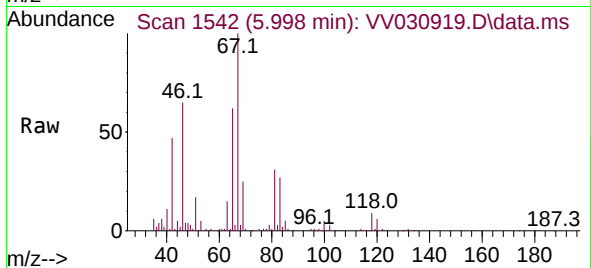
BHE60

Tgt Ion: 63 Resp: 8343

Ion Ratio Lower Upper

63 100

112 0.5 3.8 5.8#



#47

Tetrachloroethene

Concen: 2.094 ug/L

RT: 7.911 min Scan# 2137

Delta R.T. -0.003 min

Lab File: VV030919.D

Acq: 28 Apr 2023 14:30

Tgt Ion:164 Resp: 18291

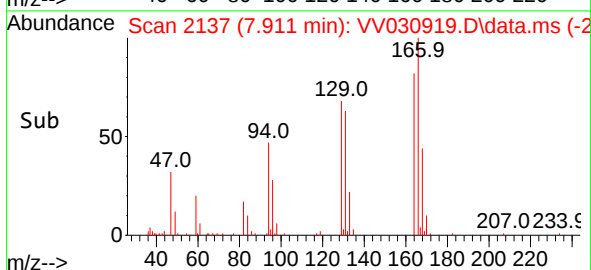
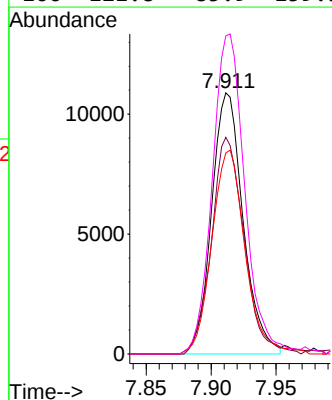
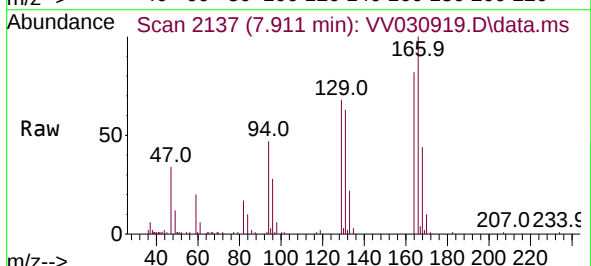
Ion Ratio Lower Upper

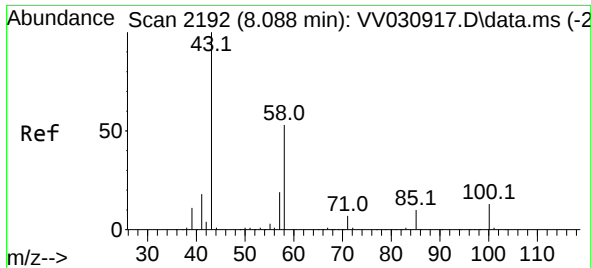
164 100

129 83.0 60.5 112.3

131 76.9 60.8 112.8

166 121.8 85.9 159.5

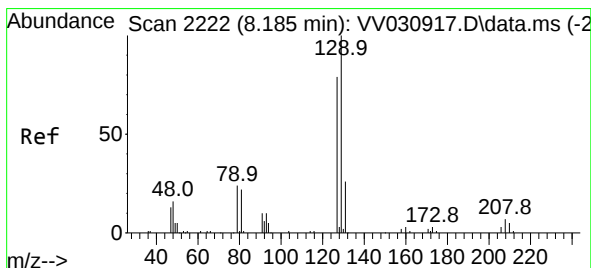
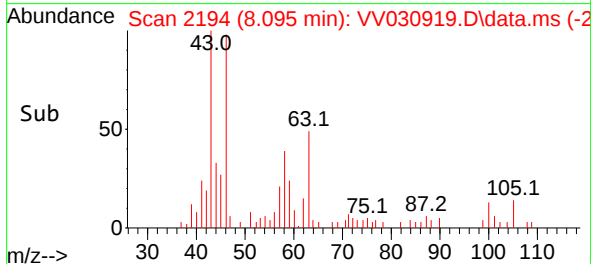
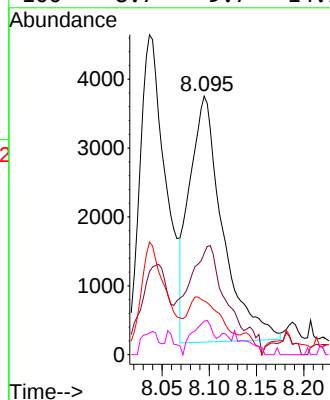
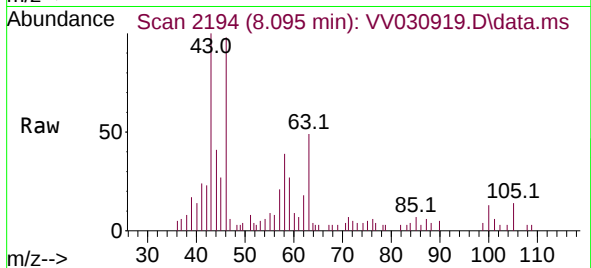




#48
2-Hexanone
Concen: 2.695 ug/L
RT: 8.095 min Scan# 2194
Delta R.T. 0.006 min
Lab File: VV030919.D
Acq: 28 Apr 2023 14:30

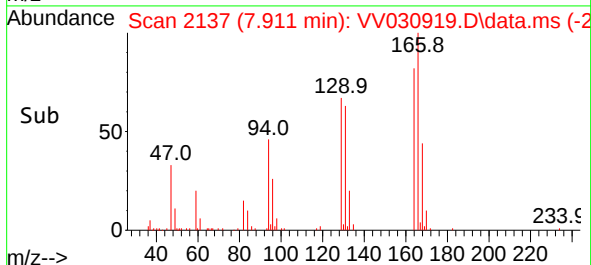
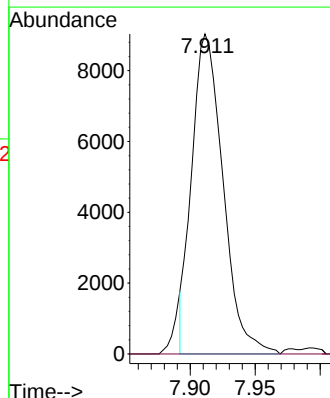
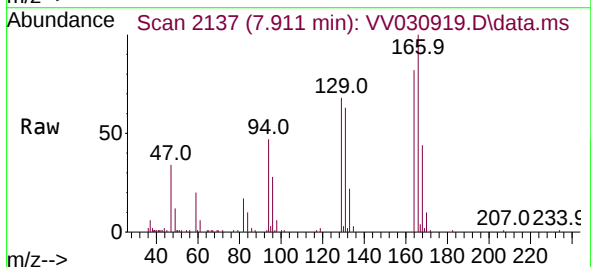
Instrument :
MSVOA_V
ClientSampleId :
BHE60

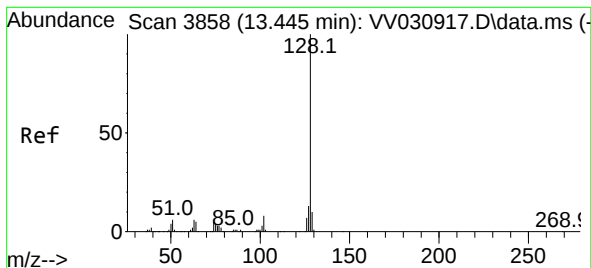
Tgt Ion: 43	Resp: 8725
Ion Ratio	Lower Upper
43 100	
58 35.5	39.9 59.9#
57 15.3	14.1 21.1
100 8.7	9.7 14.5#



#49
Dibromochloromethane
Concen: 1.980 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. -0.273 min
Lab File: VV030919.D
Acq: 28 Apr 2023 14:30

Tgt Ion:129	Resp:	15052	
Ion	Ratio	Lower	Upper
129	100		
127	0.0	55.3	102.7#





#71

Naphthalene

Concen: 0.135 ug/L

RT: 13.451 min Scan# 3860

Delta R.T. 0.006 min

Lab File: VV030919.D

Acq: 28 Apr 2023 14:30

Instrument :

MSVOA_V

ClientSampleId :

BHE60

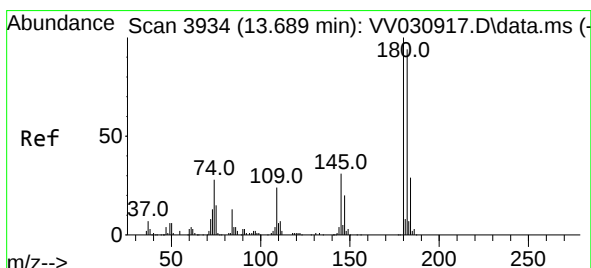
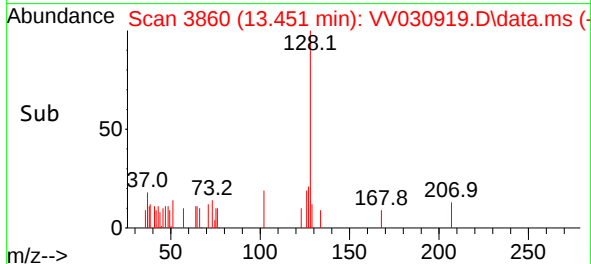
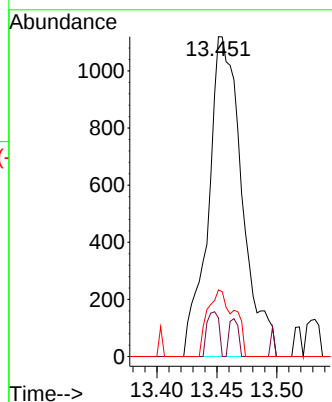
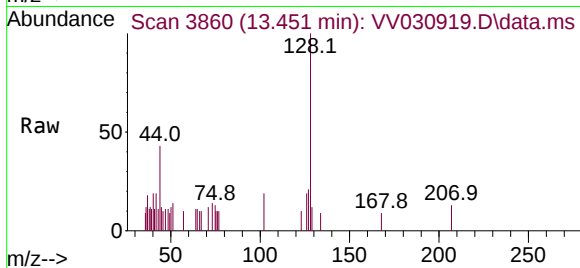
Tgt Ion:128 Resp: 2192

Ion Ratio Lower Upper

128 100

129 5.0 8.6 13.0#

127 16.5 10.6 16.0#



#72

1,2,3-Trichlorobenzene

Concen: 0.088 ug/L

RT: 13.692 min Scan# 3935

Delta R.T. 0.003 min

Lab File: VV030919.D

Acq: 28 Apr 2023 14:30

Tgt Ion:180 Resp: 841

Ion Ratio Lower Upper

180 100

182 83.5 77.3 115.9

145 34.1 24.7 37.1

