

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW042823\
 Data File : VW030933.D
 Acq On : 28 Apr 2023 20:11
 Operator : SY/MD
 Sample : 02488-19
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHE74

Quant Time: Apr 29 01:13:24 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	5.535	114	121709	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	118066	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	62709	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	48890	4.876	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.600%
7) Chloroethane-d5	1.529	69	42766	5.228	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.600%
11) 1,1-Dichloroethene-d2	2.056	65	24840	4.681	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	93.600%
20) 2-Butanone-d5	3.905	46	96936	54.514	ug/L	0.07
Spiked Amount	50.000	Range	40 - 130	Recovery	=	109.020%
24) Chloroform-d	4.252	84	108791	5.459	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.200%
26) 1,2-Dichloroethane-d4	4.950	65	50484	4.983	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.600%
32) Benzene-d6	4.957	84	167230	4.832	ug/L	-0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.600%
36) 1,2-Dichloropropane-d6	5.995	67	48916	4.861	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.200%
41) Toluene-d8	7.246	98	139573	4.235	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.800%
43) trans-1,3-Dichloroprop...	7.564	79	14962	3.966	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.400%
46) 2-Hexanone-d5	8.053	63	54518	41.250	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	82.500%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	33366	4.574	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.400%
66) 1,2-Dichlorobenzene-d4	11.567	152	59297	5.073	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.400%
Target Compounds						
3) Chloromethane	1.211	50	1345	0.119	ug/L #	80
6) Bromomethane	1.490	94	511	0.114	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	3301	0.371	ug/L #	88
12) 1,1-Dichloroethene	2.066	96	64303	7.851	ug/L	86
13) Acetone	2.249	43	16597	10.927	ug/L	86
14) Carbon disulfide	2.236	76	111833	5.218	ug/L	100
15) Methyl Acetate	2.449	43	1100	0.356	ug/L	96
19) 1,1-Dichloroethane	3.111	63	6261	0.433	ug/L	92
29) 1,1,1-Trichloroethane	4.506	97	25728	1.734	ug/L #	90
31) Carbon tetrachloride	4.497	117	3841	0.288	ug/L	87
34) Trichloroethene	5.831	95	202908	25.631	ug/L	97
35) Methylcyclohexane	5.998	83	13021	1.061	ug/L #	20
39) cis-1,3-Dichloropropene	6.918	75	1503	0.142	ug/L #	21
42) Toluene	7.320	91	147142	4.602	ug/L	100
47) Tetrachloroethene	7.908	164	60420	8.000	ug/L	99
48) 2-Hexanone	8.117	43	8747	3.125	ug/L #	86
49) Dibromochloromethane	7.908	129	44672	6.794	ug/L #	10
61) 1,2,3-Trichloropropane	11.194	75	7107	1.804	ug/L #	62
71) Naphthalene	13.461	128	1647	0.109	ug/L #	85

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Apr 29 01:06:38 2023
Response via : Initial Calibration

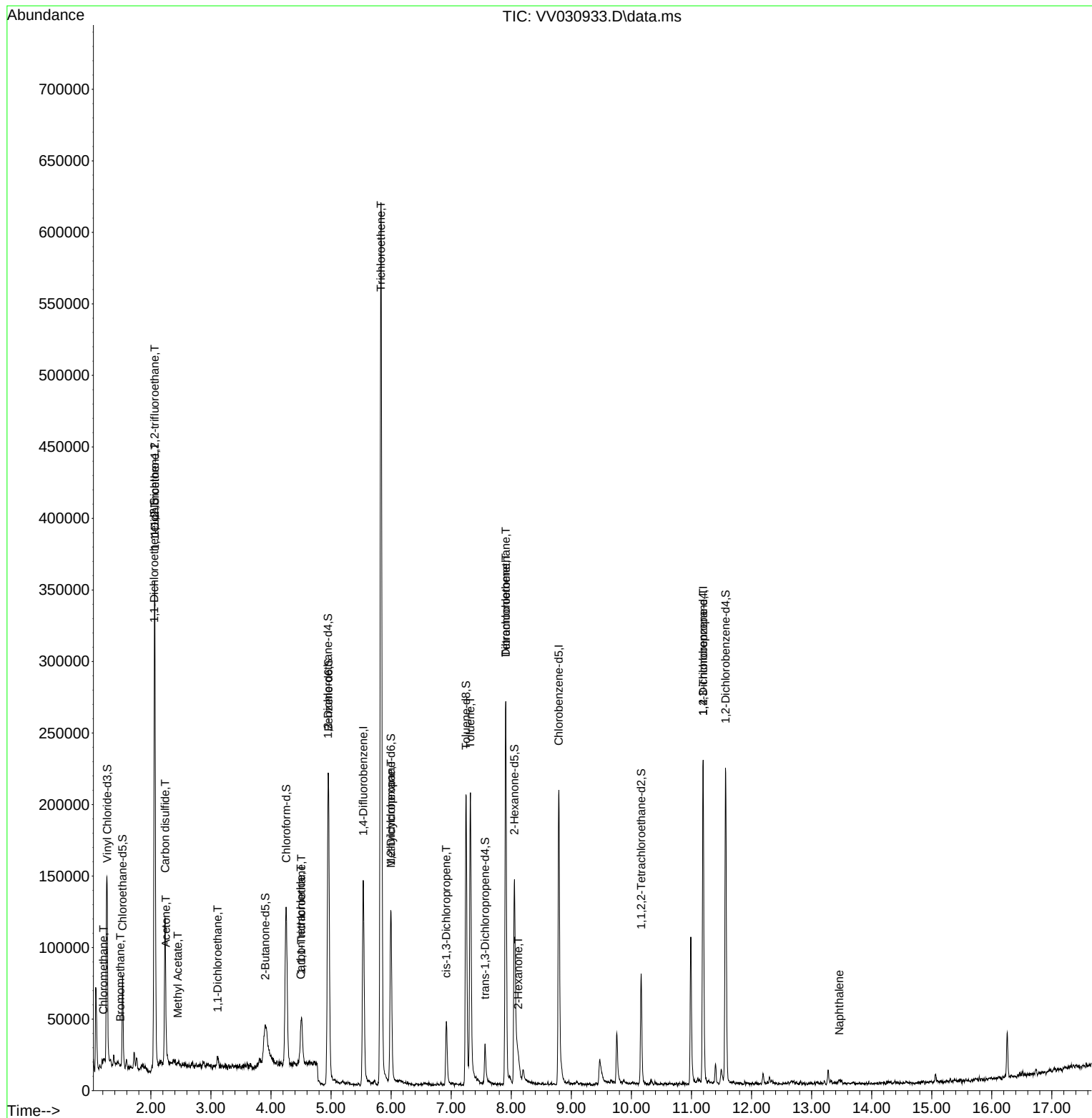
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

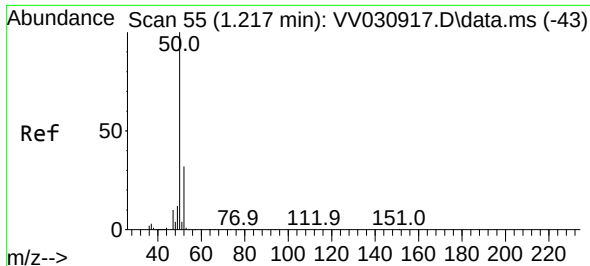
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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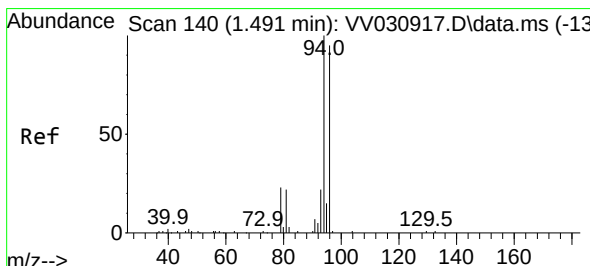
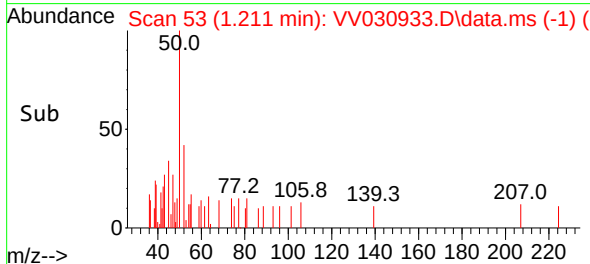
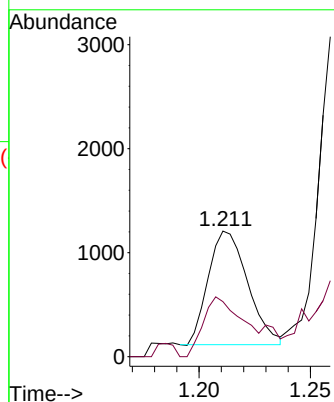
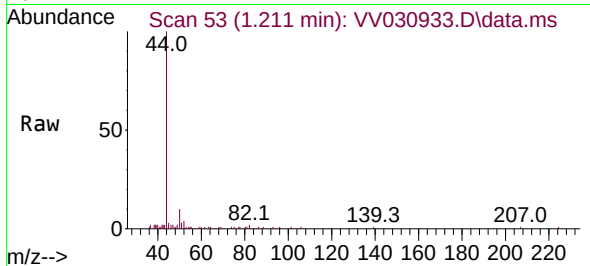




#3
Chloromethane
Concen: 0.119 ug/L
RT: 1.211 min Scan# 51
Delta R.T. -0.007 min
Lab File: VV030933.D
Acq: 28 Apr 2023 20:11

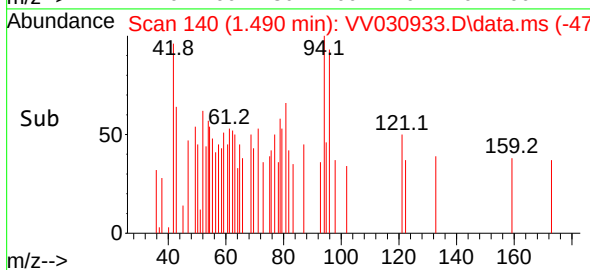
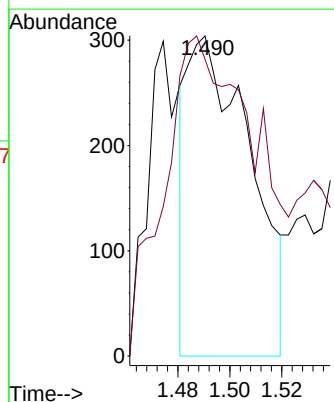
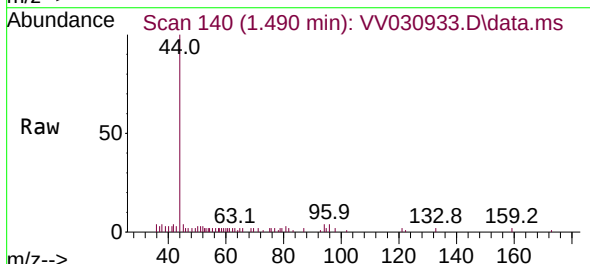
Instrument :
MSVOA_V
ClientSampleId :
BHE74

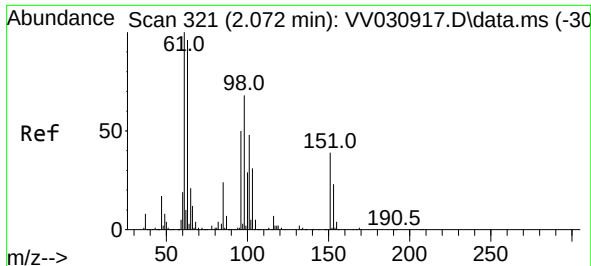
Tgt Ion: 50 Resp: 1345
Ion Ratio Lower Upper
50 100
52 43.8 22.8 42.4#



#6
Bromomethane
Concen: 0.114 ug/L
RT: 1.490 min Scan# 140
Delta R.T. -0.000 min
Lab File: VV030933.D
Acq: 28 Apr 2023 20:11

Tgt Ion: 94 Resp: 511
Ion Ratio Lower Upper
94 100
96 92.8 63.4 117.8





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.371 ug/L

RT: 2.063 min Scan# 318

Delta R.T. -0.010 min

Lab File: VV030933.D

Acq: 28 Apr 2023 20:11

Instrument :

MSVOA_V

ClientSampleId :

BHE74

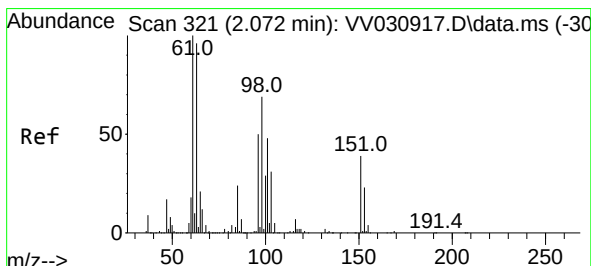
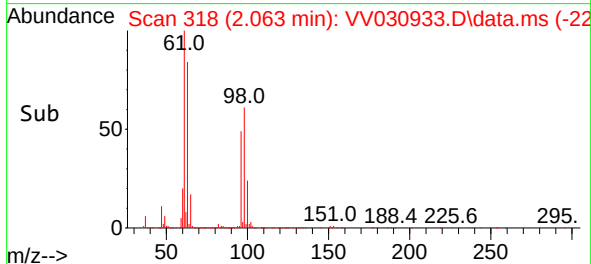
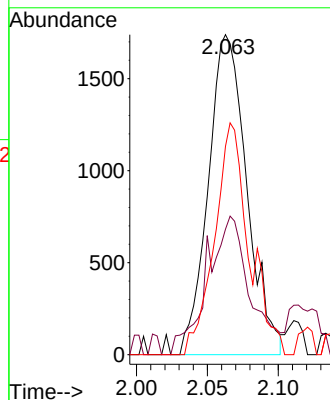
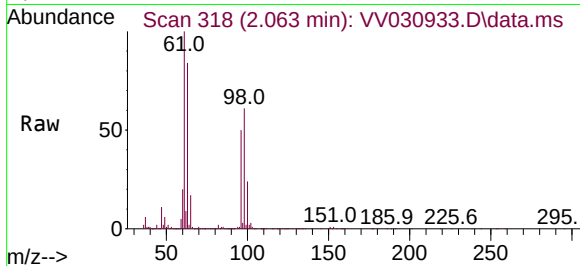
Tgt Ion:101 Resp: 3301

Ion Ratio Lower Upper

101 100

85 48.1 38.7 58.1

151 64.9 65.1 97.7#



#12

1,1-Dichloroethene

Concen: 7.851 ug/L

RT: 2.066 min Scan# 319

Delta R.T. -0.007 min

Lab File: VV030933.D

Acq: 28 Apr 2023 20:11

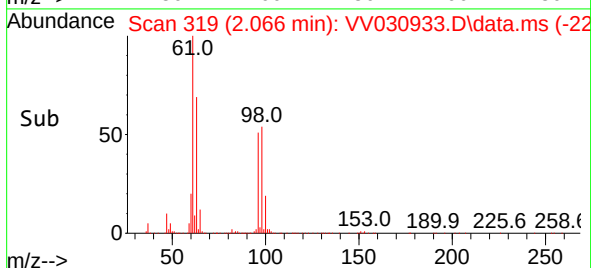
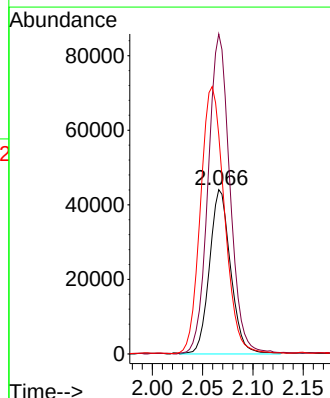
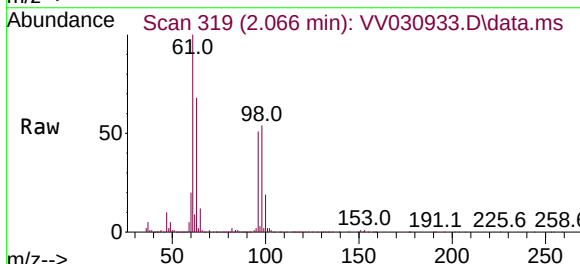
Tgt Ion: 96 Resp: 64303

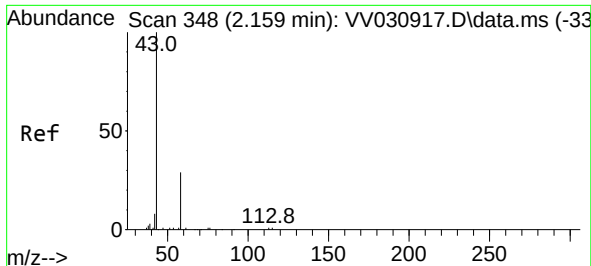
Ion Ratio Lower Upper

96 100

61 194.6 135.6 251.8

63 133.3 121.1 224.9





#13

Acetone

Concen: 10.927 ug/L

RT: 2.249 min Scan# 31

Delta R.T. 0.090 min

Lab File: VV030933.D

Acq: 28 Apr 2023 20:11

Instrument :

MSVOA_V

ClientSampleId :

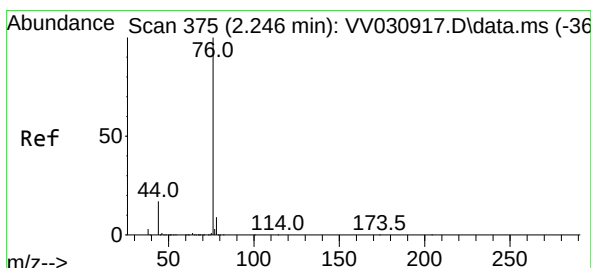
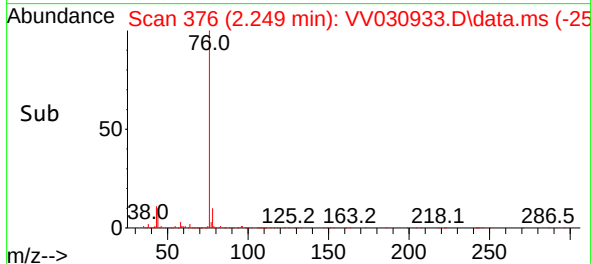
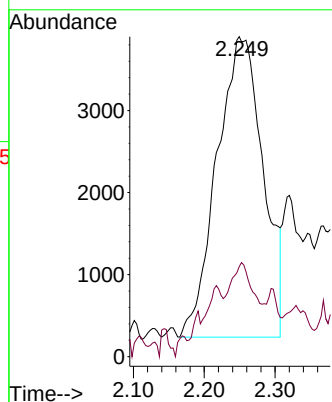
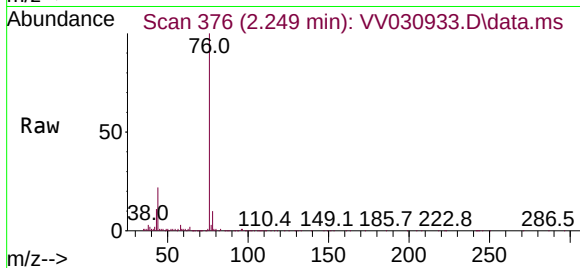
BHE74

Tgt Ion: 43 Resp: 16597

Ion Ratio Lower Upper

43 100

58 12.2 0.0 37.0



#14

Carbon disulfide

Concen: 5.218 ug/L

RT: 2.236 min Scan# 372

Delta R.T. -0.010 min

Lab File: VV030933.D

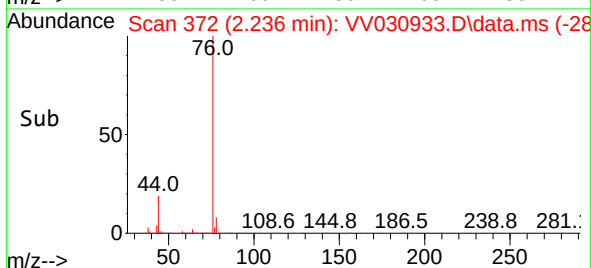
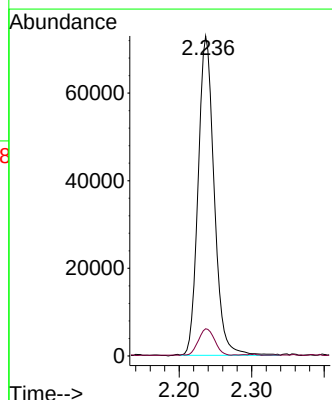
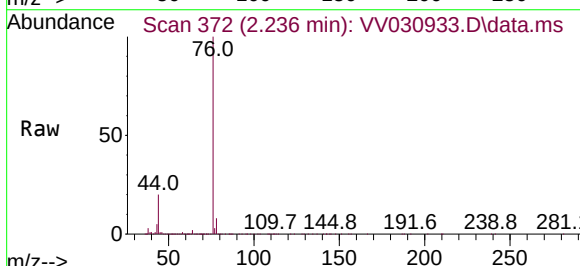
Acq: 28 Apr 2023 20:11

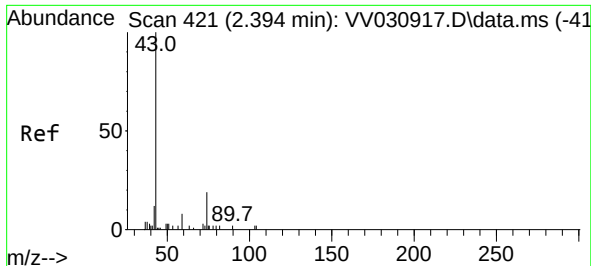
Tgt Ion: 76 Resp: 111833

Ion Ratio Lower Upper

76 100

78 8.5 6.8 10.2

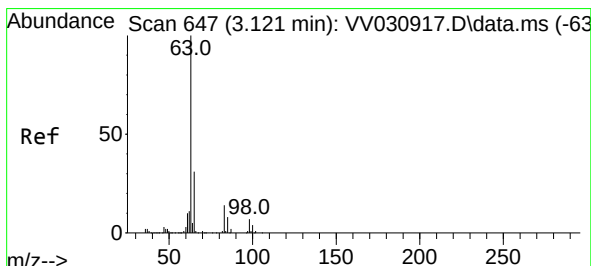
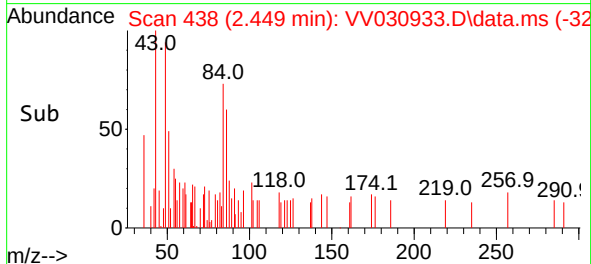
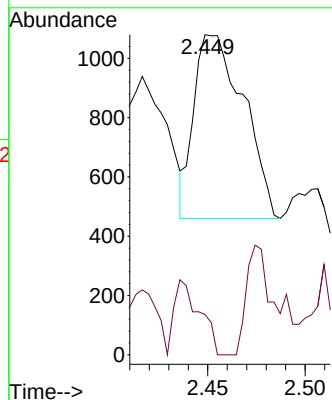
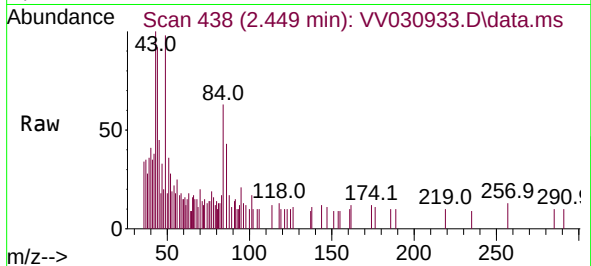




#15
Methyl Acetate
Concen: 0.356 ug/L
RT: 2.449 min Scan# 41
Delta R.T. 0.055 min
Lab File: VV030933.D
Acq: 28 Apr 2023 20:11

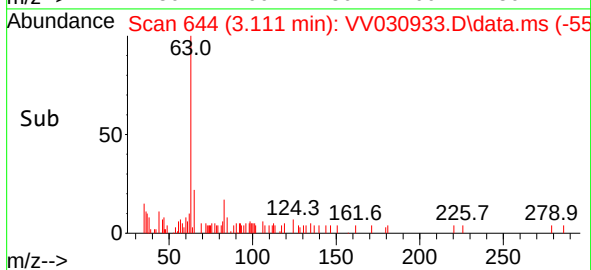
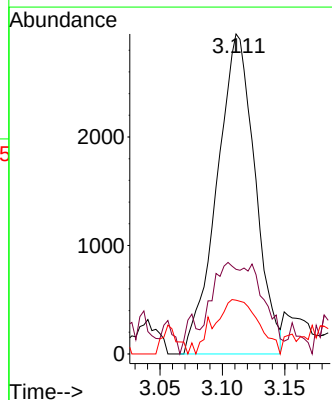
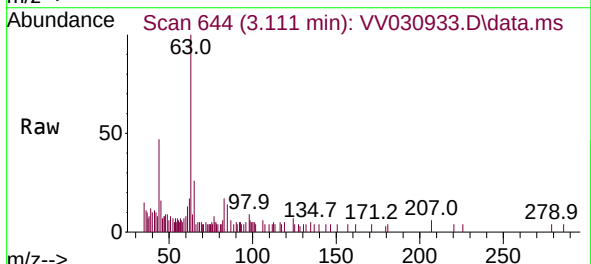
Instrument :
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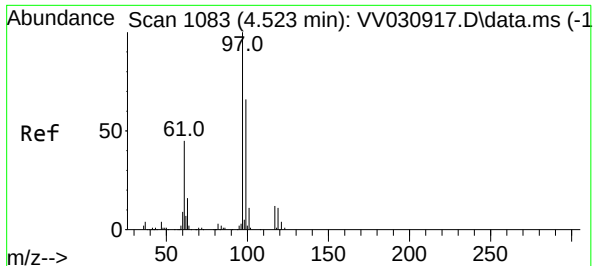
Tgt Ion: 43 Resp: 1100
Ion Ratio Lower Upper
43 100
74 20.7 15.0 22.6



#19
1,1-Dichloroethane
Concen: 0.433 ug/L
RT: 3.111 min Scan# 644
Delta R.T. -0.010 min
Lab File: VV030933.D
Acq: 28 Apr 2023 20:11

Tgt Ion: 63 Resp: 6261
Ion Ratio Lower Upper
63 100
65 26.4 21.8 40.6
83 16.8 10.2 19.0





#29

1,1,1-Trichloroethane

Concen: 1.734 ug/L

RT: 4.506 min Scan# 1078

Delta R.T. -0.016 min

Lab File: VV030933.D

Acq: 28 Apr 2023 20:11

Instrument :

MSVOA_V

ClientSampleId :

BHE74

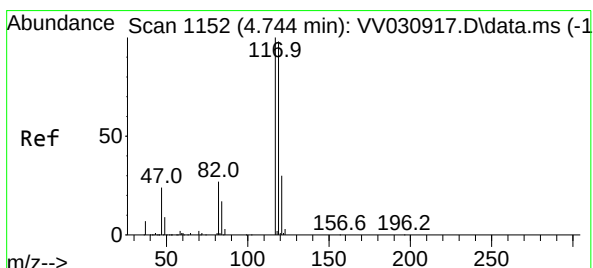
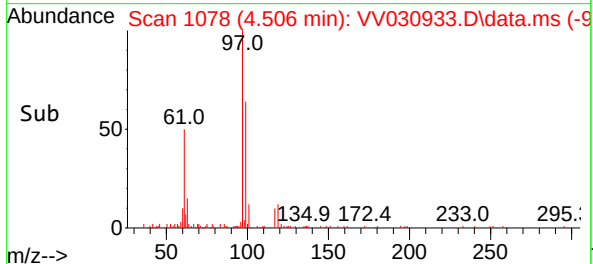
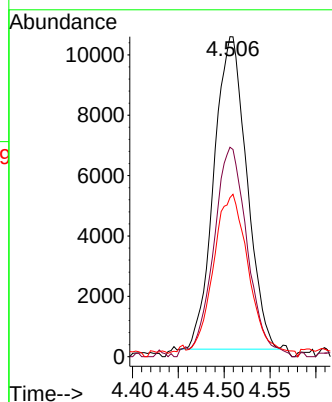
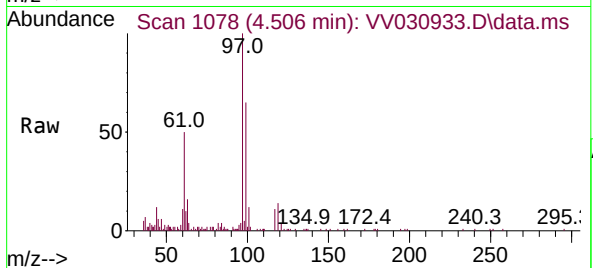
Tgt Ion: 97 Resp: 25728

Ion Ratio Lower Upper

97 100

99 69.3 51.4 77.2

61 56.9 37.4 56.0#



#31

Carbon tetrachloride

Concen: 0.288 ug/L

RT: 4.497 min Scan# 1075

Delta R.T. -0.248 min

Lab File: VV030933.D

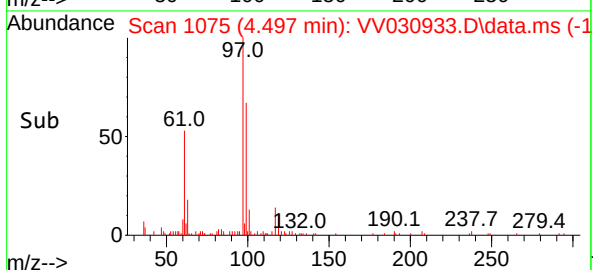
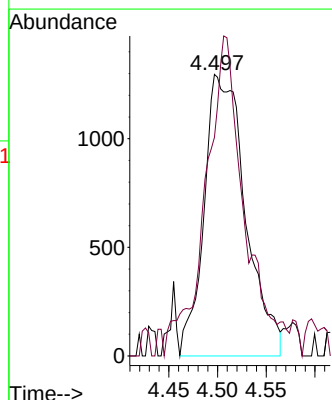
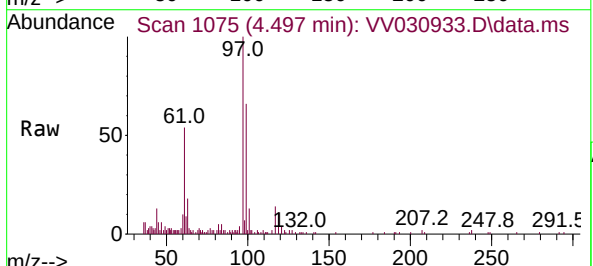
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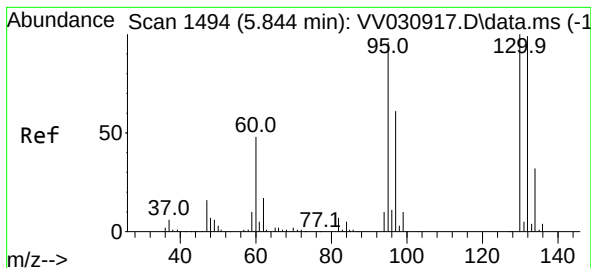
Tgt Ion: 117 Resp: 3841

Ion Ratio Lower Upper

117 100

119 85.1 78.4 117.6





#34

Trichloroethene

Concen: 25.631 ug/L

RT: 5.831 min Scan# 1494

Delta R.T. -0.013 min

Lab File: VV030933.D

Acq: 28 Apr 2023 20:11

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Tgt Ion: 95 Resp: 202908

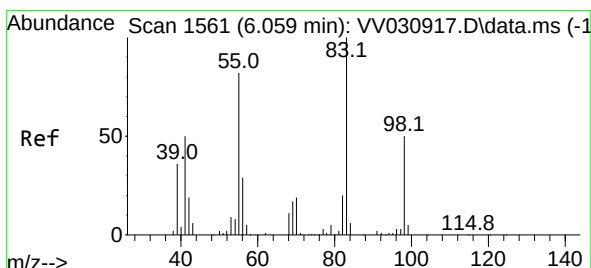
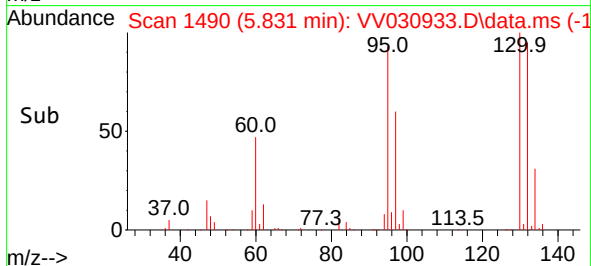
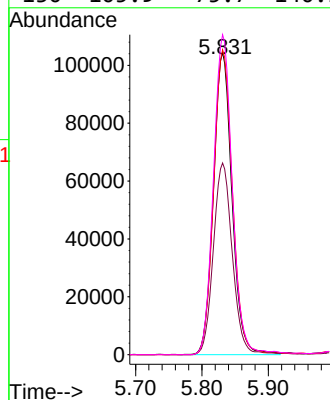
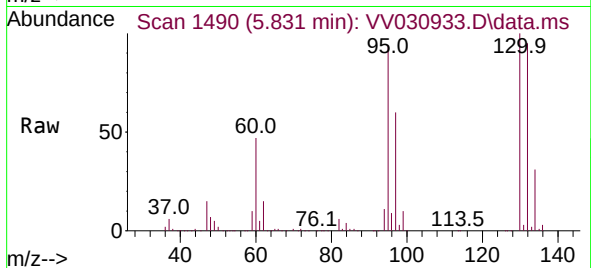
Ion Ratio Lower Upper

95 100

97 63.4 46.2 85.8

132 100.9 72.7 135.1

130 105.9 75.7 140.5



#35

Methylcyclohexane

Concen: 1.061 ug/L

RT: 5.998 min Scan# 1542

Delta R.T. -0.061 min

Lab File: VV030933.D

Acq: 28 Apr 2023 20:11

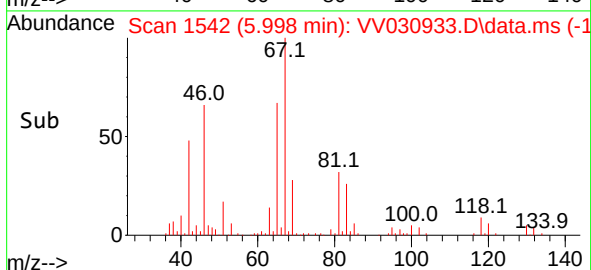
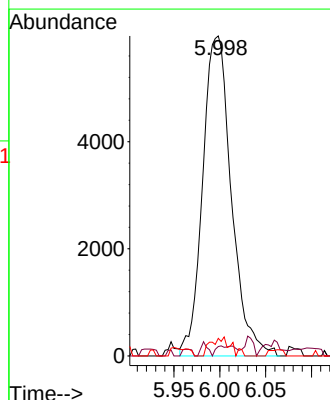
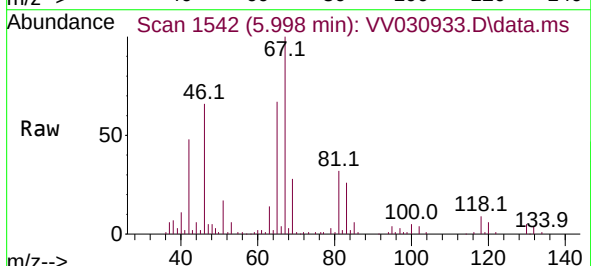
Tgt Ion: 83 Resp: 13021

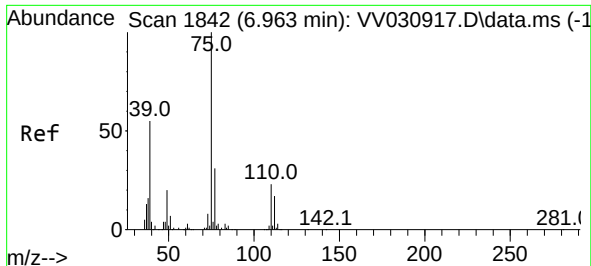
Ion Ratio Lower Upper

83 100

55 1.0 62.9 94.3#

98 4.1 40.5 60.7#





#39

cis-1,3-Dichloropropene

Concen: 0.142 ug/L

RT: 6.918 min Scan# 1828

Delta R.T. -0.045 min

Lab File: VV030933.D

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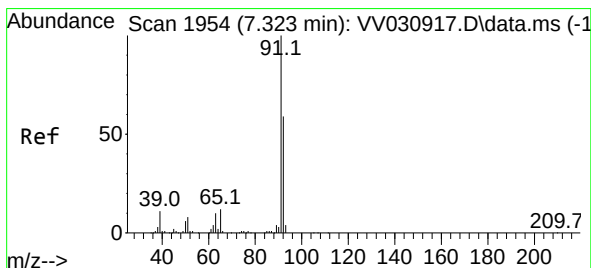
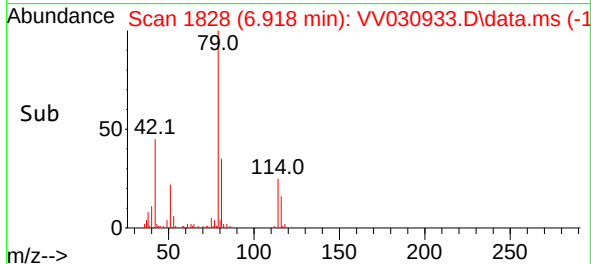
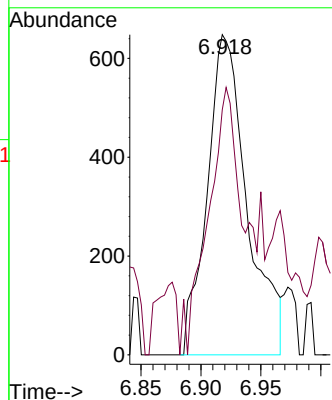
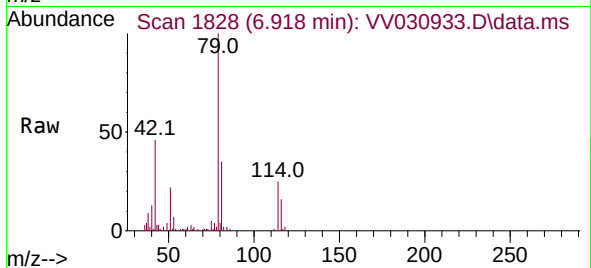
BHE74

Tgt Ion: 75 Resp: 1503

Ion Ratio Lower Upper

75 100

77 76.5 22.6 42.0#



#42

Toluene

Concen: 4.602 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. -0.003 min

Lab File: VV030933.D

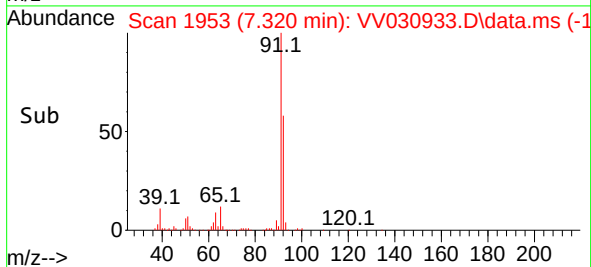
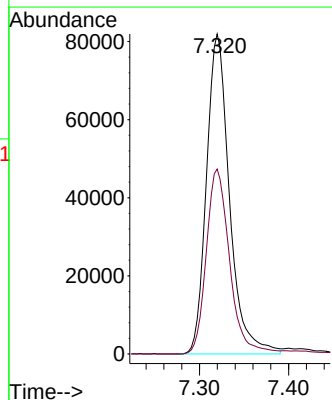
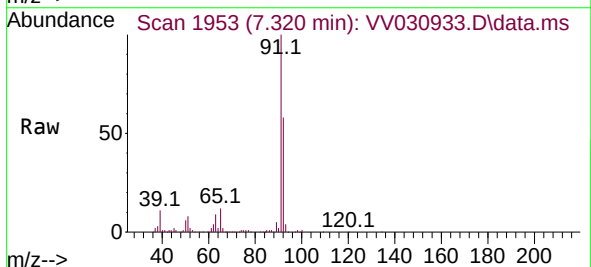
Acq: 28 Apr 2023 20:11

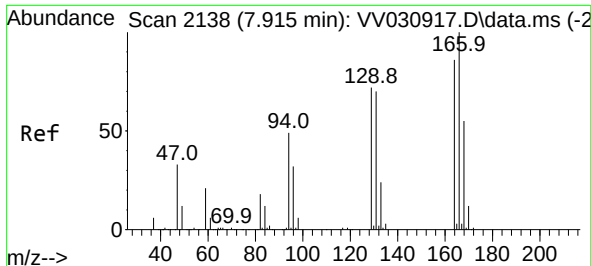
Tgt Ion: 91 Resp: 147142

Ion Ratio Lower Upper

91 100

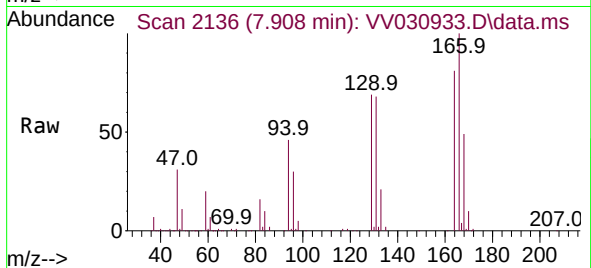
92 57.8 40.5 75.1



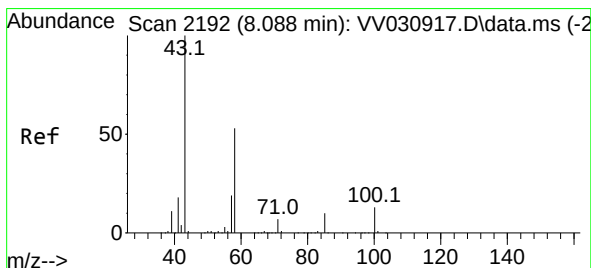
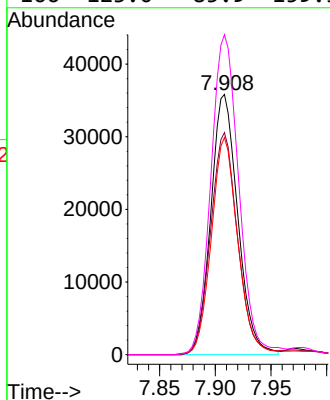
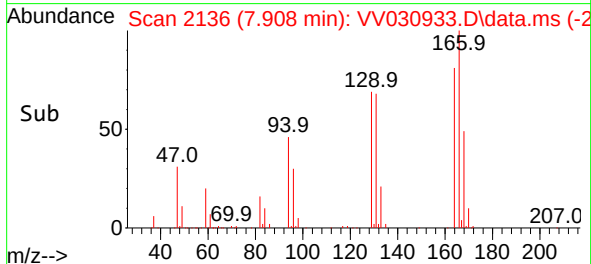


#47
Tetrachloroethene
Concen: 8.000 ug/L
RT: 7.908 min Scan# 2138
Delta R.T. -0.007 min
Lab File: VV030933.D
Acq: 28 Apr 2023 20:11

Instrument :
MSVOA_V
ClientSampleId :
BHE74

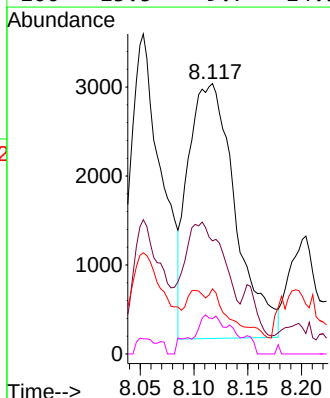
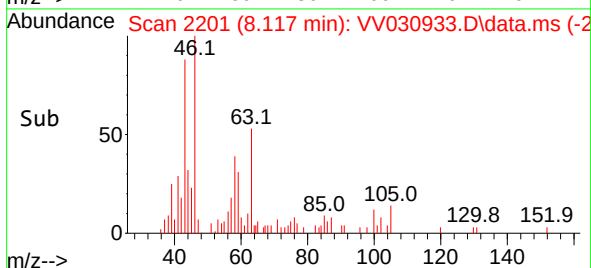
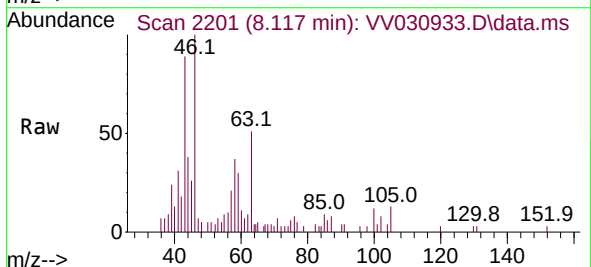


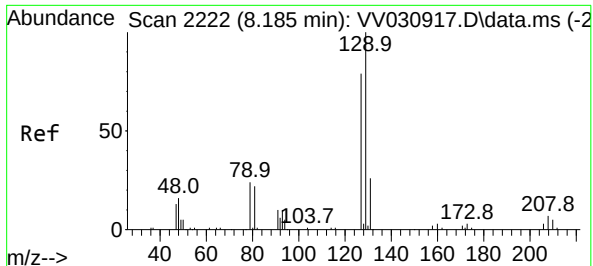
Tgt Ion:164 Resp: 60420
Ion Ratio Lower Upper
164 100
129 85.3 60.5 112.3
131 83.5 60.8 112.8
166 123.0 85.9 159.5



#48
2-Hexanone
Concen: 3.125 ug/L
RT: 8.117 min Scan# 2201
Delta R.T. 0.029 min
Lab File: VV030933.D
Acq: 28 Apr 2023 20:11

Tgt Ion: 43 Resp: 8747
Ion Ratio Lower Upper
43 100
58 43.6 39.9 59.9
57 2.6 14.1 21.1#
100 13.5 9.7 14.5





#49

Dibromochloromethane

Concen: 6.794 ug/L

RT: 7.908 min Scan# 2136

Delta R.T. -0.277 min

Lab File: VV030933.D

Acq: 28 Apr 2023 20:11

Instrument :

MSVOA_V

ClientSampleId :

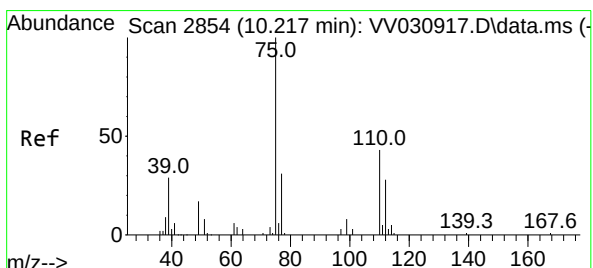
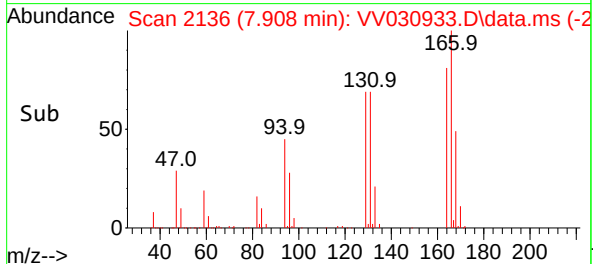
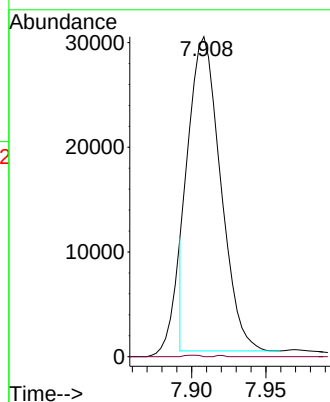
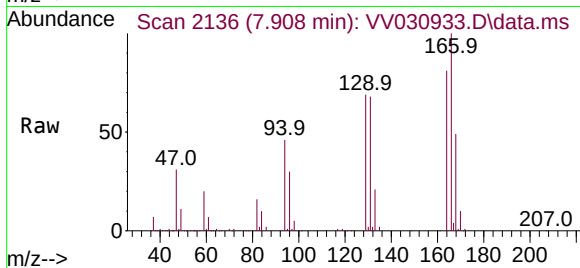
BHE74

Tgt Ion:129 Resp: 44672

Ion Ratio Lower Upper

129 100

127 0.0 55.3 102.7#



#61

1,2,3-Trichloropropane

Concen: 1.804 ug/L

RT: 11.194 min Scan# 3158

Delta R.T. 0.977 min

Lab File: VV030933.D

Acq: 28 Apr 2023 20:11

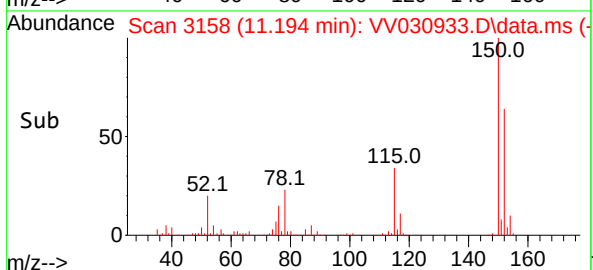
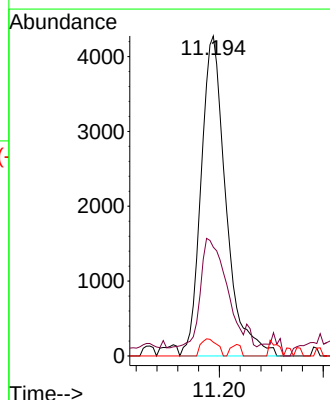
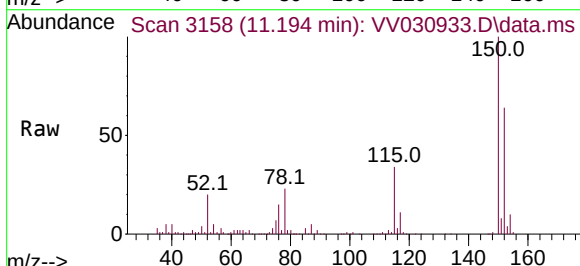
Tgt Ion: 75 Resp: 7107

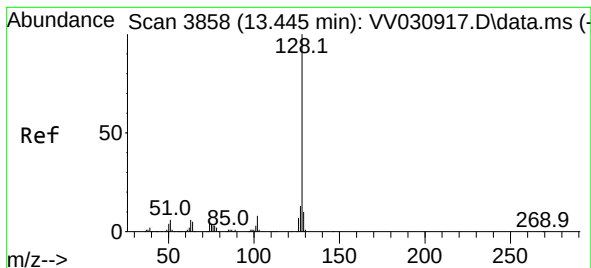
Ion Ratio Lower Upper

75 100

77 35.5 25.3 37.9

110 3.4 34.0 51.0#





#71

Naphthalene

Concen: 0.109 ug/L

RT: 13.461 min Scan# 3863

Delta R.T. 0.016 min

Lab File: VV030933.D

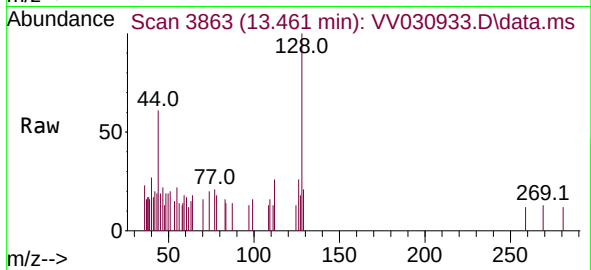
Acq: 28 Apr 2023 20:11

Instrument :

MSVOA_V

ClientSampleId :

BHE74



Tgt Ion:128 Resp: 1647

Ion Ratio Lower Upper

128 100

129 14.0 8.6 13.0#

127 21.7 10.6 16.0#

