

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW050123\
 Data File : VW030951.D
 Acq On : 01 May 2023 13:27
 Operator : SY/MD
 Sample : 02488-11
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHE66

Quant Time: May 02 01:33:36 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	125835	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	125904	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	64311	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	41874	4.039	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.800%
7) Chloroethane-d5	1.539	69	34773	4.112	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.200%
11) 1,1-Dichloroethene-d2	2.066	65	22713	4.140	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.800%
20) 2-Butanone-d5	3.834	46	84054	45.720	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	91.440%
24) Chloroform-d	4.262	84	84819	4.117	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.400%
26) 1,2-Dichloroethane-d4	4.957	65	43154	4.120	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.400%
32) Benzene-d6	4.969	84	143683	3.893	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.800%
36) 1,2-Dichloropropane-d6	5.998	67	42517	3.962	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	79.200%
41) Toluene-d8	7.252	98	126450	3.598	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.000%
43) trans-1,3-Dichloroprop...	7.564	79	17088	4.248	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.000%
46) 2-Hexanone-d5	8.037	63	59474	42.199	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.400%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	31745	4.081	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.600%
66) 1,2-Dichlorobenzene-d4	11.570	152	49485	4.128	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.600%
Target Compounds						
					Qvalue	
3) Chloromethane	1.217	50	1180	0.101	ug/L	100
5) Vinyl chloride	1.285	62	6679	0.684	ug/L #	80
6) Bromomethane	1.497	94	463	0.100	ug/L	92
9) Trichlorofluoromethane	1.719	101	3295	0.183	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	5168	0.562	ug/L	86
12) 1,1-Dichloroethene	2.076	96	106016	12.519	ug/L #	68
17) Methyl tert-butyl Ether	2.712	73	10190	0.632	ug/L #	93
19) 1,1-Dichloroethane	3.121	63	20925	1.401	ug/L	98
22) cis-1,2-Dichloroethene	3.825	96	61848	7.578	ug/L	97
25) Chloroform	4.288	83	61853	3.860	ug/L	98
29) 1,1,1-Trichloroethane	4.526	97	27583	1.743	ug/L	98
31) Carbon tetrachloride	4.748	117	19310	1.359	ug/L	96
34) Trichloroethene	5.841	95	484892	57.437	ug/L	98
35) Methylcyclohexane	5.998	83	11797	0.902	ug/L #	17
47) Tetrachloroethene	7.911	164	193373	24.010	ug/L	97
48) 2-Hexanone	8.092	43	8525	2.856	ug/L #	96
49) Dibromochloromethane	7.911	129	160586	22.902	ug/L #	10
61) 1,2,3-Trichloropropane	11.191	75	6269	1.552	ug/L #	59

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QLast Update : Sat Apr 29 01:06:38 2023
Response via : Initial Calibration

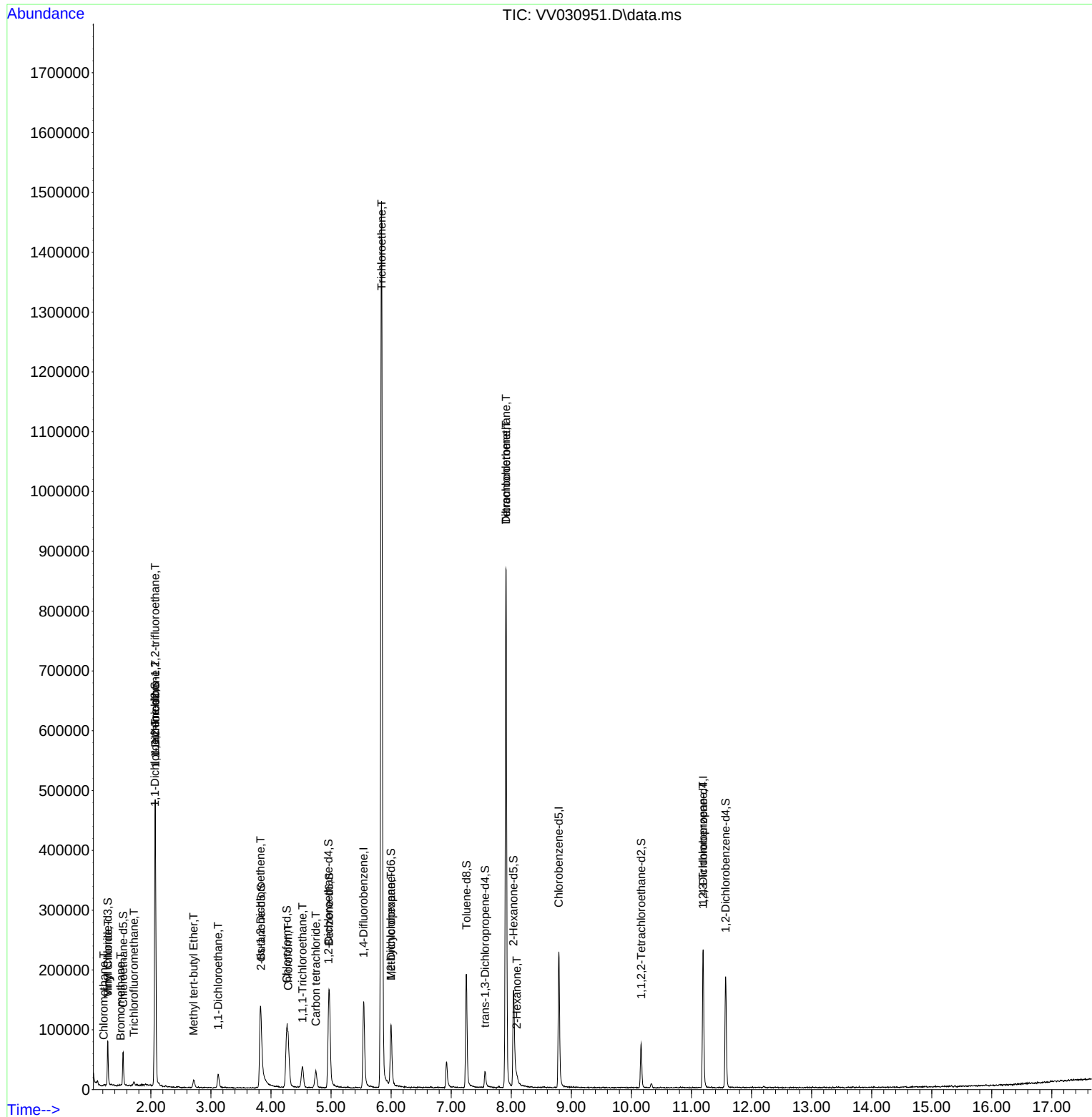
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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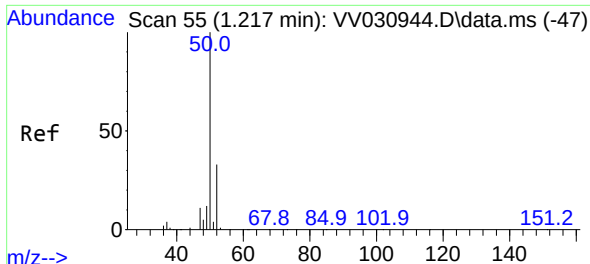
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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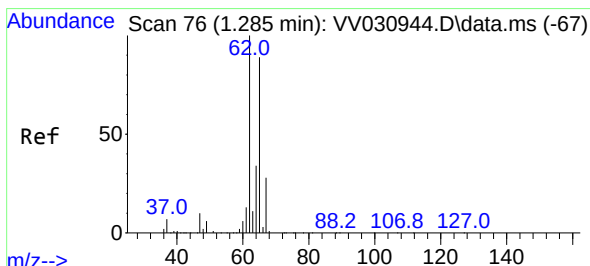
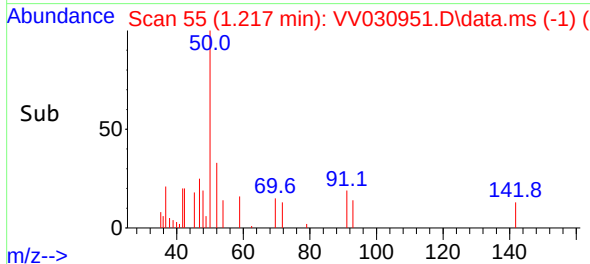
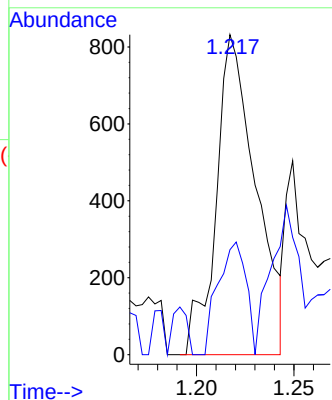
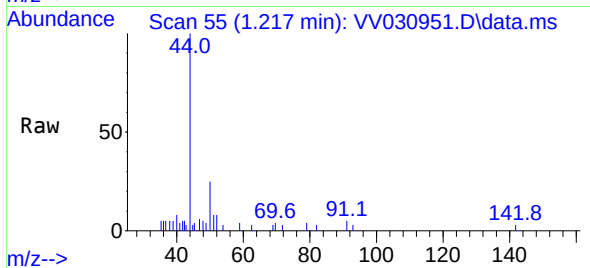




#3
Chloromethane
Concen: 0.101 ug/L
RT: 1.217 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV030951.D
Acq: 01 May 2023 13:27

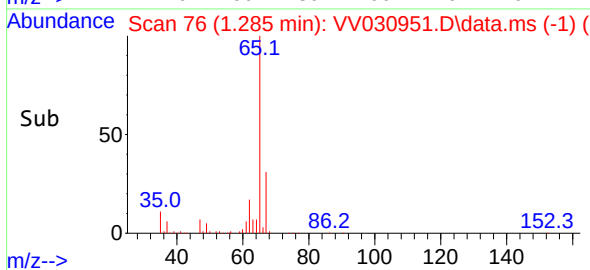
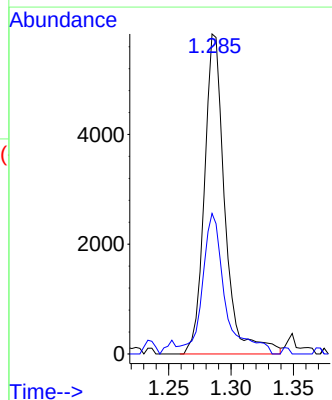
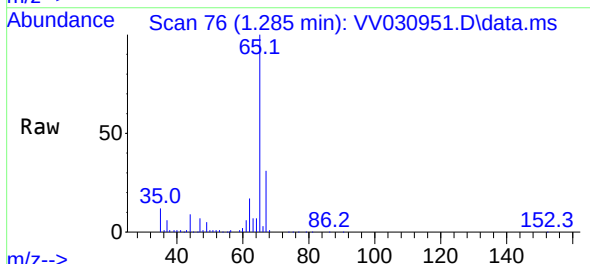
Instrument :
MSVOA_V
ClientSampleId :
BHE66

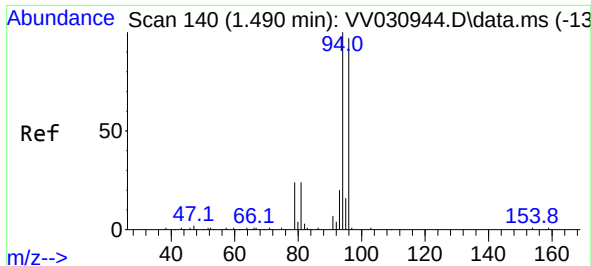
Tgt Ion: 50 Resp: 1180
Ion Ratio Lower Upper
50 100
52 32.8 22.8 42.4



#5
Vinyl chloride
Concen: 0.684 ug/L
RT: 1.285 min Scan# 76
Delta R.T. -0.000 min
Lab File: VV030951.D
Acq: 01 May 2023 13:27

Tgt Ion: 62 Resp: 6679
Ion Ratio Lower Upper
62 100
64 43.9 22.8 42.4#

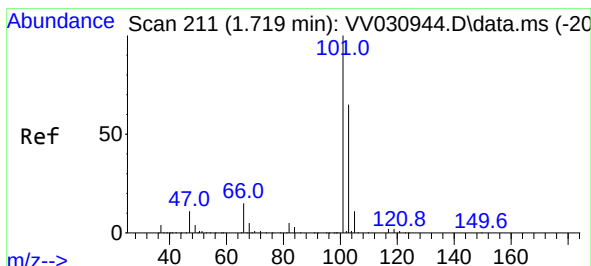
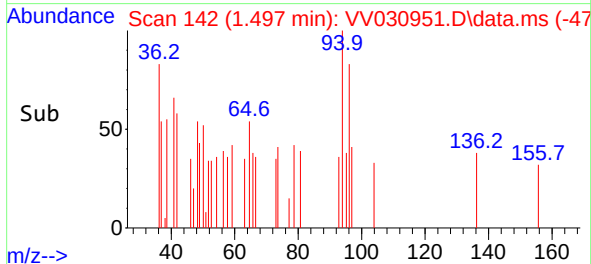
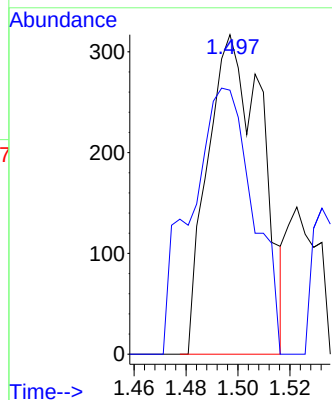
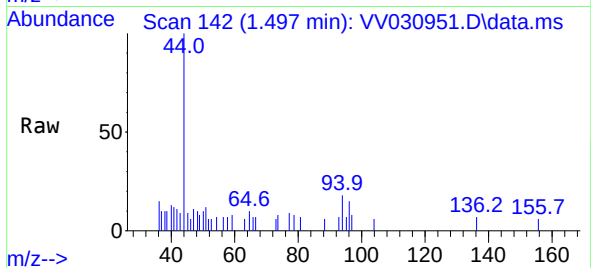




#6
Bromomethane
Concen: 0.100 ug/L
RT: 1.497 min Scan# 140
Delta R.T. 0.006 min
Lab File: VV030951.D
Acq: 01 May 2023 13:27

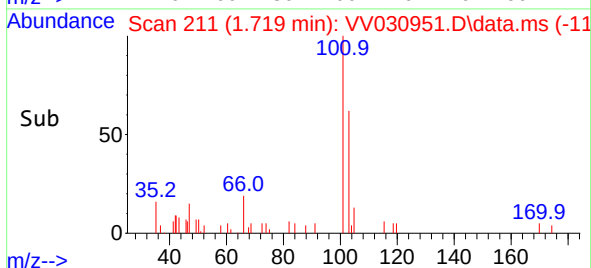
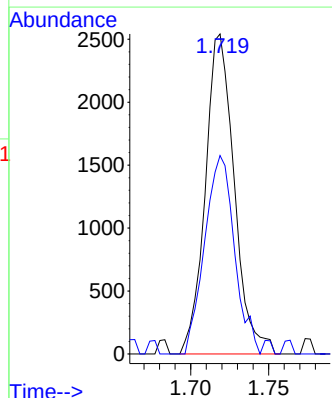
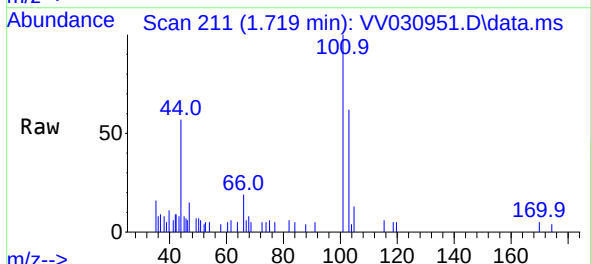
Instrument :
MSVOA_V
ClientSampleId :
BHE66

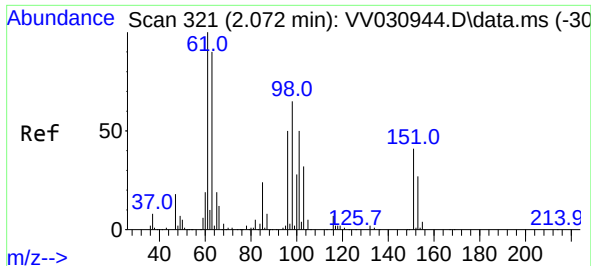
Tgt Ion: 94 Resp: 463
Ion Ratio Lower Upper
94 100
96 82.6 63.4 117.8



#9
Trichlorofluoromethane
Concen: 0.183 ug/L
RT: 1.719 min Scan# 211
Delta R.T. -0.000 min
Lab File: VV030951.D
Acq: 01 May 2023 13:27

Tgt Ion:101 Resp: 3295
Ion Ratio Lower Upper
101 100
103 63.7 51.8 77.8





#10

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

Concen: 0.562 ug/L

RT: 2.072 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV030951.D

Acq: 01 May 2023 13:27

Instrument :

MSVOA_V

ClientSampleId :

BHE66

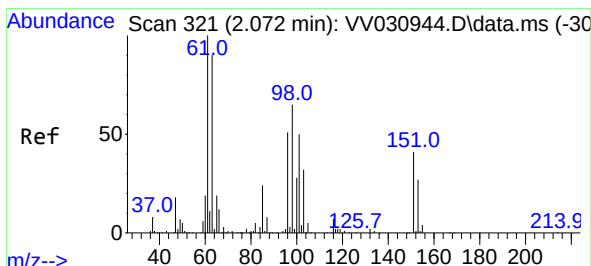
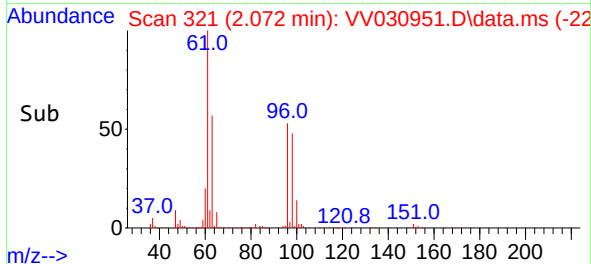
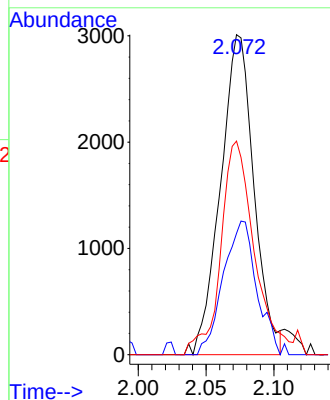
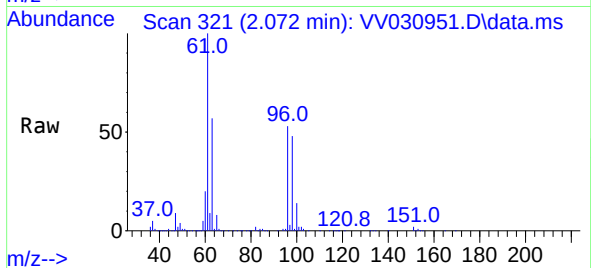
Tgt Ion:101 Resp: 5168

Ion Ratio Lower Upper

101 100

85 42.0 38.7 58.1

151 66.9 65.1 97.7



#12

1,1-Dichloroethene

Concen: 12.519 ug/L

RT: 2.076 min Scan# 322

Delta R.T. 0.003 min

Lab File: VV030951.D

Acq: 01 May 2023 13:27

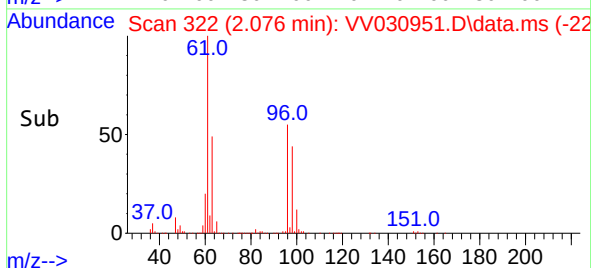
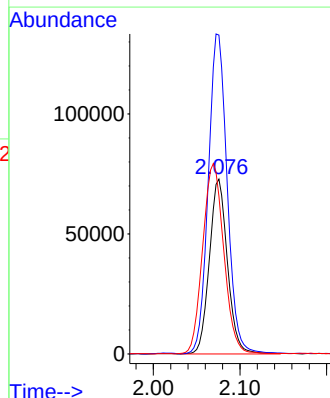
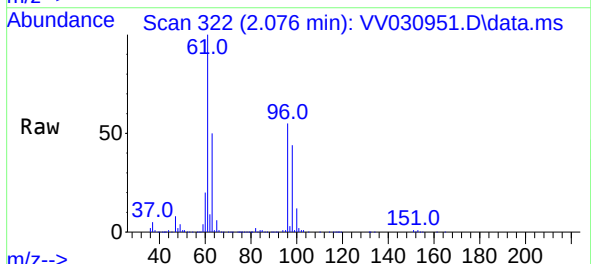
Tgt Ion: 96 Resp: 106016

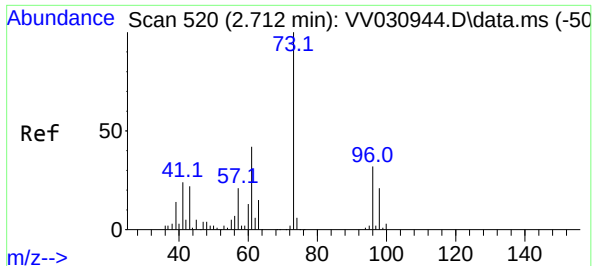
Ion Ratio Lower Upper

96 100

61 182.3 135.6 251.8

63 90.3 121.1 224.9#





#17

Methyl tert-butyl Ether

Concen: 0.632 ug/L

RT: 2.712 min Scan# 51

Delta R.T. -0.003 min

Lab File: VV030951.D

Acq: 01 May 2023 13:27

Instrument :

MSVOA_V

ClientSampleId :

BHE66

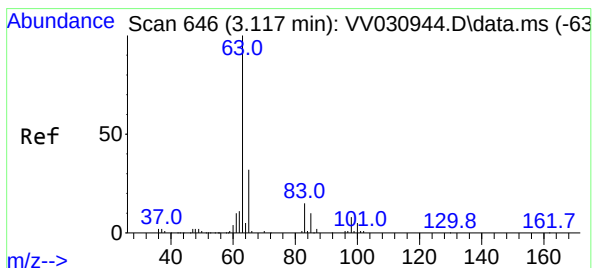
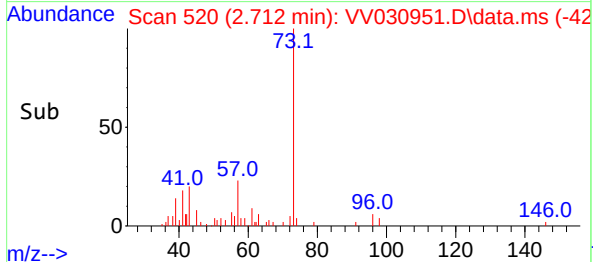
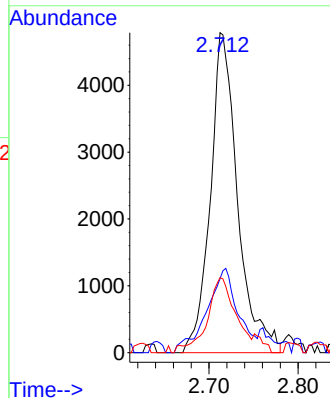
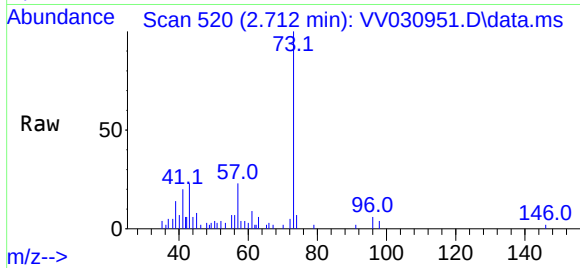
Tgt Ion: 73 Resp: 10190

Ion Ratio Lower Upper

73 100

43 30.0 19.9 29.9#

57 24.2 18.2 27.4



#19

1,1-Dichloroethane

Concen: 1.401 ug/L

RT: 3.121 min Scan# 647

Delta R.T. -0.000 min

Lab File: VV030951.D

Acq: 01 May 2023 13:27

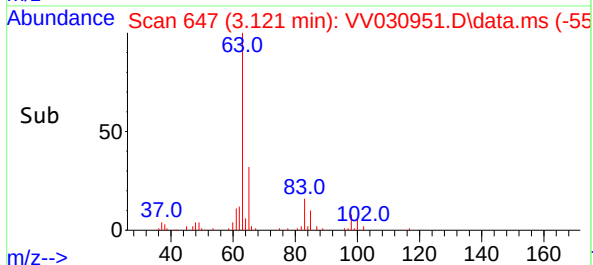
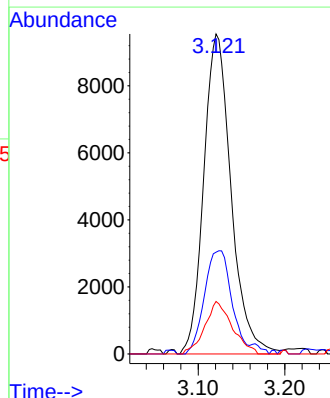
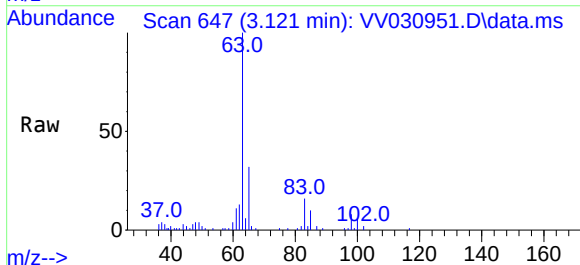
Tgt Ion: 63 Resp: 20925

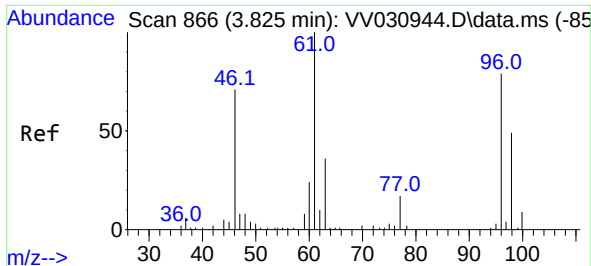
Ion Ratio Lower Upper

63 100

65 31.8 21.8 40.6

83 16.4 10.2 19.0

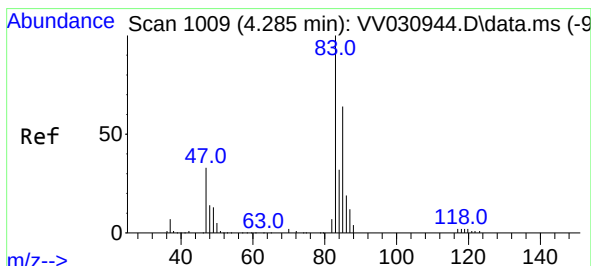
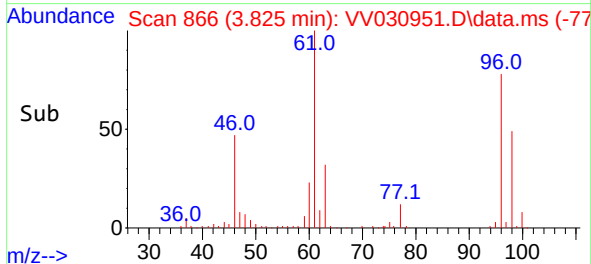
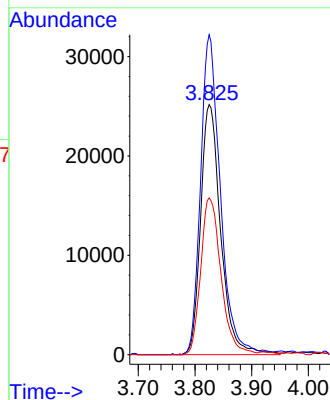
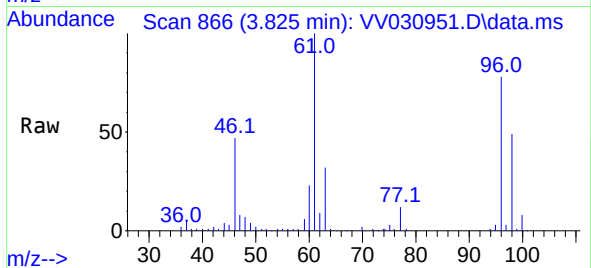




#22
cis-1,2-Dichloroethene
Concen: 7.578 ug/L
RT: 3.825 min Scan# 80
Delta R.T. -0.003 min
Lab File: VV030951.D
Acq: 01 May 2023 13:27

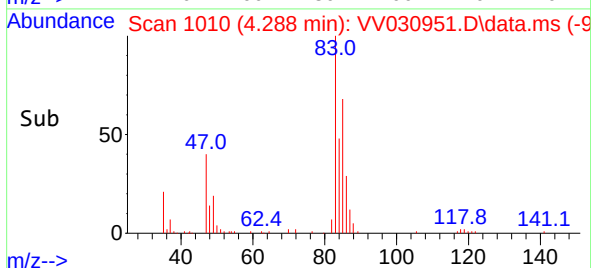
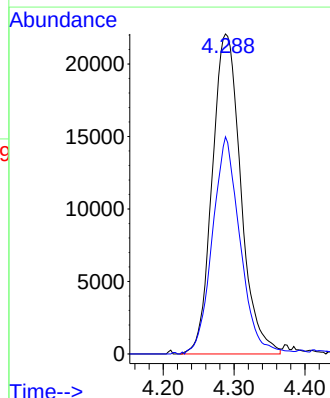
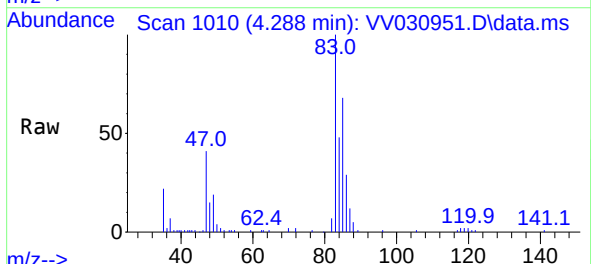
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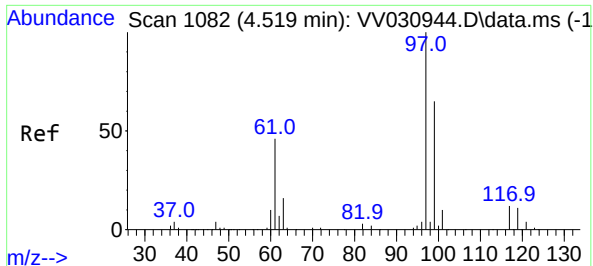
Tgt Ion: 96 Resp: 61848
Ion Ratio Lower Upper
96 100
61 127.9 86.0 159.6
98 62.7 43.2 80.2



#25
Chloroform
Concen: 3.860 ug/L
RT: 4.288 min Scan# 1010
Delta R.T. -0.000 min
Lab File: VV030951.D
Acq: 01 May 2023 13:27

Tgt Ion: 83 Resp: 61853
Ion Ratio Lower Upper
83 100
85 67.8 46.4 86.2

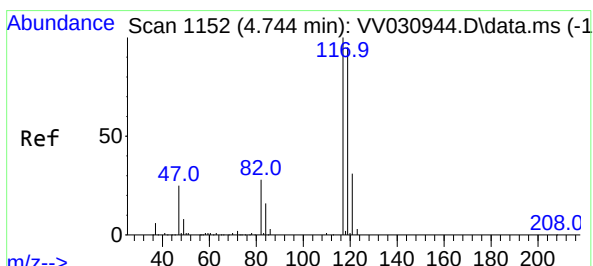
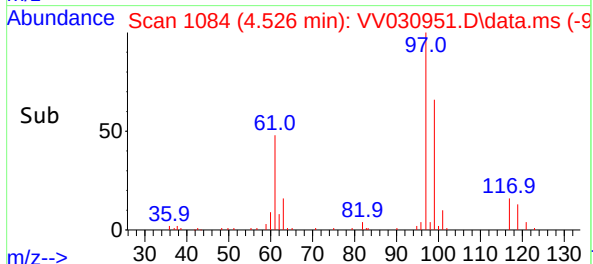
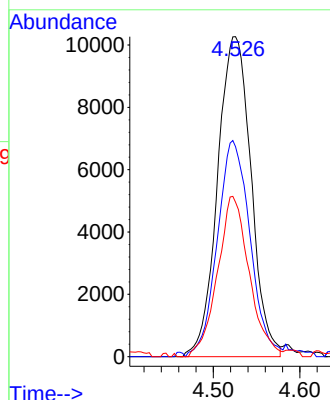
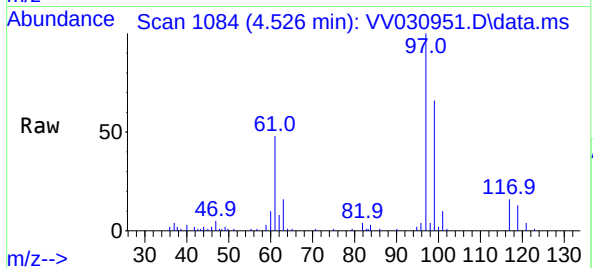




#29
1,1,1-Trichloroethane
Concen: 1.743 ug/L
RT: 4.526 min Scan# 1084
Delta R.T. 0.003 min
Lab File: VV030951.D
Acq: 01 May 2023 13:27

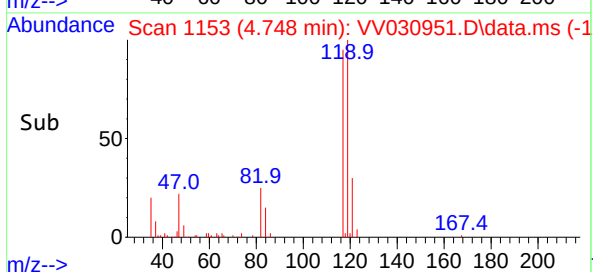
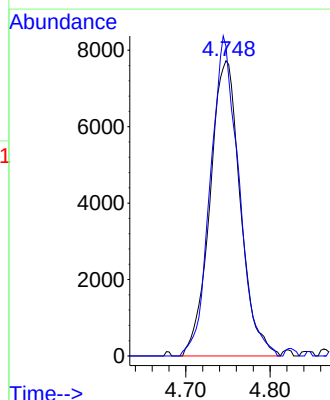
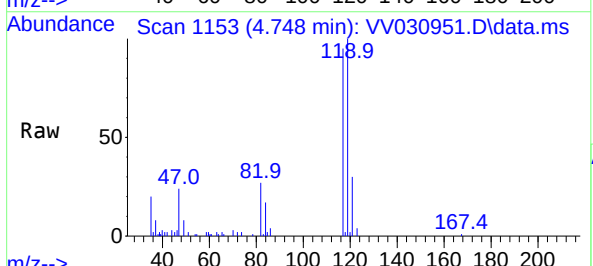
Instrument :
MSVOA_V
ClientSampleId :
BHE66

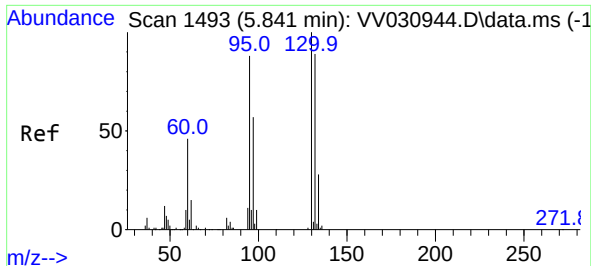
Tgt Ion: 97	Resp: 27583
Ion Ratio	Lower Upper
97 100	
99 66.1	51.4 77.2
61 47.5	37.4 56.0



#31
Carbon tetrachloride
Concen: 1.359 ug/L
RT: 4.748 min Scan# 1153
Delta R.T. 0.003 min
Lab File: VV030951.D
Acq: 01 May 2023 13:27

Tgt Ion:117	Resp:	19310	
Ion	Ratio	Lower	Upper
117	100		
119	101.5	78.4	117.6



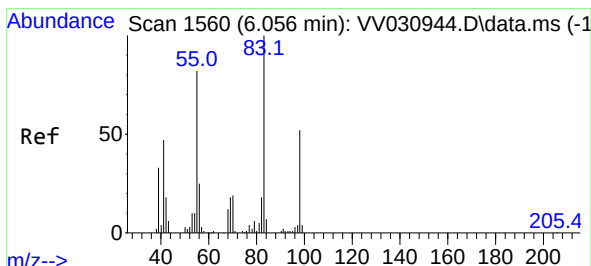
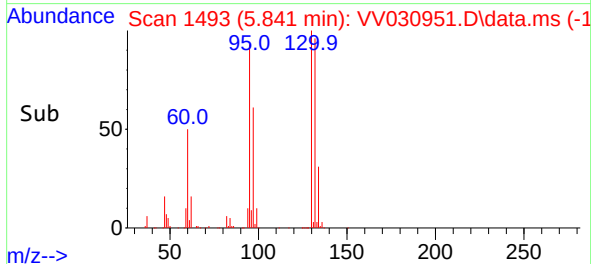
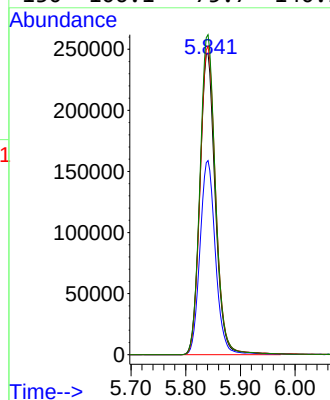
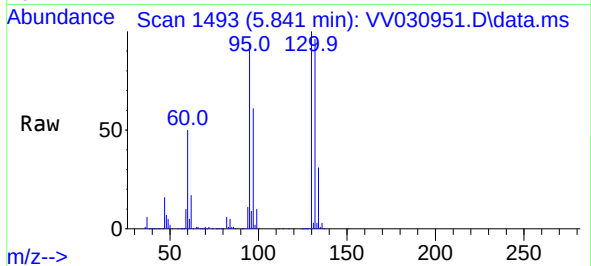


#34
Trichloroethene
Concen: 57.437 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. -0.003 min
Lab File: VV030951.D
Acq: 01 May 2023 13:27

Instrument :
MSVOA_V
ClientSampleId :
BHE66

Tgt Ion: 95 Resp: 484892

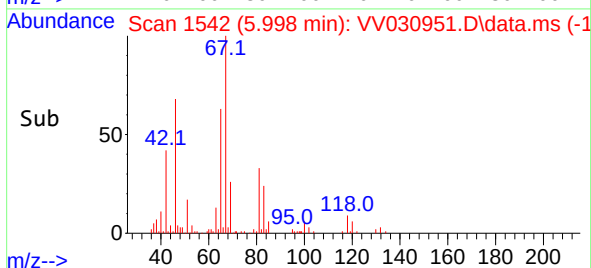
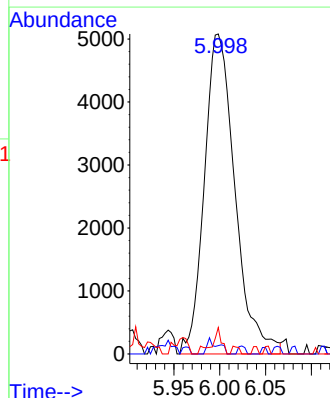
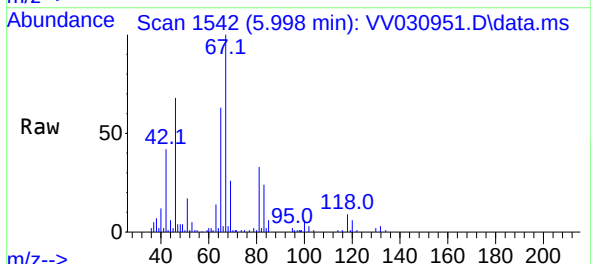
Ion	Ratio	Lower	Upper
95	100		
97	64.4	46.2	85.8
132	102.3	72.7	135.1
130	106.1	75.7	140.5

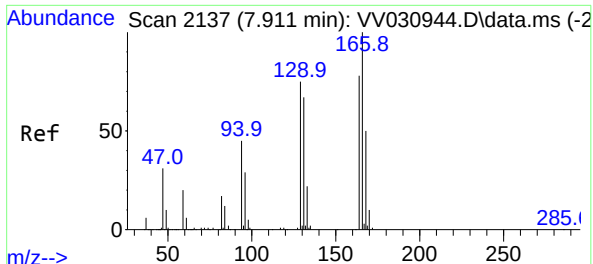


#35
Methylcyclohexane
Concen: 0.902 ug/L
RT: 5.998 min Scan# 1542
Delta R.T. -0.061 min
Lab File: VV030951.D
Acq: 01 May 2023 13:27

Tgt Ion: 83 Resp: 11797

Ion	Ratio	Lower	Upper
83	100		
55	0.7	62.9	94.3#
98	0.0	40.5	60.7#



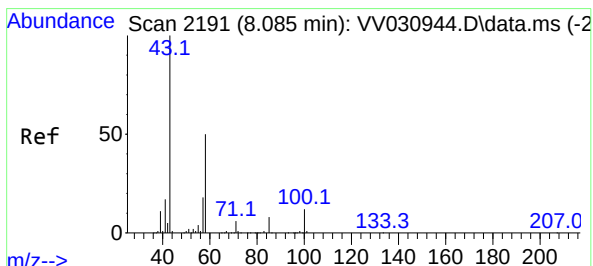
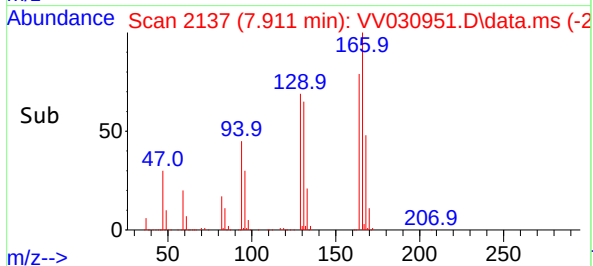
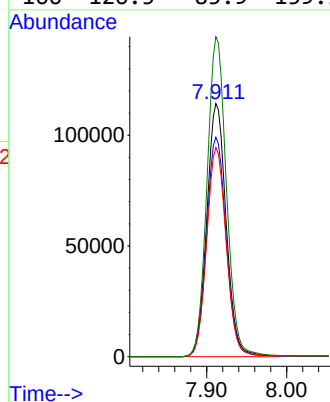
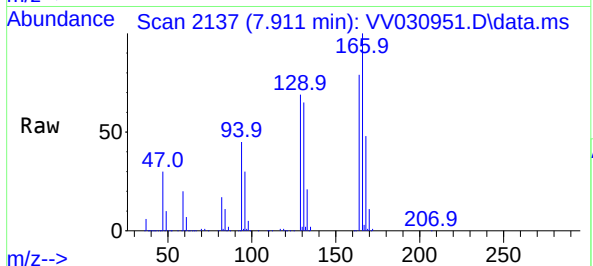


#47
Tetrachloroethene
Concen: 24.010 ug/L
RT: 7.911 min Scan# 2137
Delta R.T. -0.003 min
Lab File: VV030951.D
Acq: 01 May 2023 13:27

Instrument :
MSVOA_V
ClientSampleId :
BHE66

Tgt Ion:164 Resp: 193373

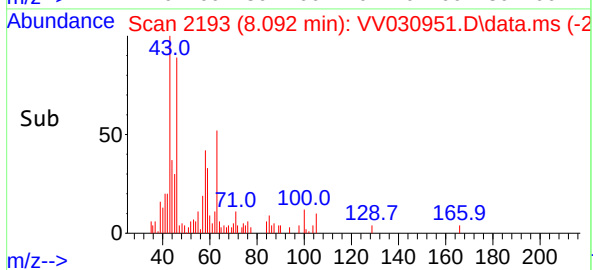
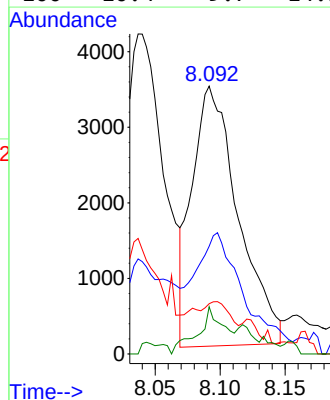
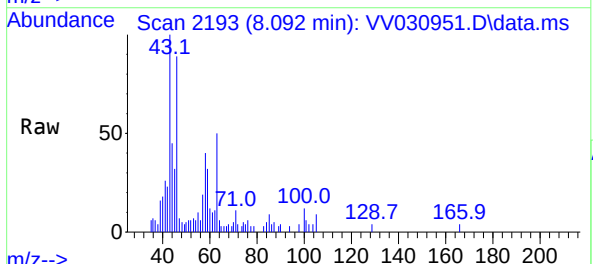
Ion	Ratio	Lower	Upper
164	100		
129	86.7	60.5	112.3
131	82.7	60.8	112.8
166	126.5	85.9	159.5

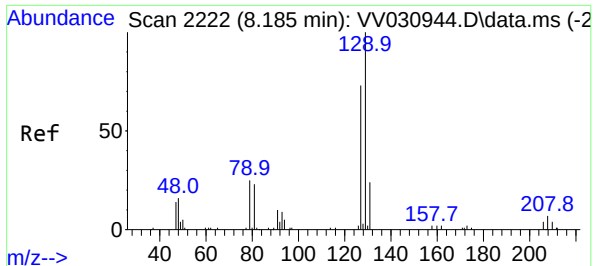


#48
2-Hexanone
Concen: 2.856 ug/L
RT: 8.092 min Scan# 2193
Delta R.T. 0.003 min
Lab File: VV030951.D
Acq: 01 May 2023 13:27

Tgt Ion: 43 Resp: 8525

Ion	Ratio	Lower	Upper
43	100		
58	49.1	39.9	59.9
57	11.8	14.1	21.1#
100	10.4	9.7	14.5





#49

Dibromochloromethane

Concen: 22.902 ug/L

RT: 7.911 min Scan# 21

Delta R.T. -0.273 min

Lab File: VV030951.D

Acq: 01 May 2023 13:27

Instrument :

MSVOA_V

ClientSampleId :

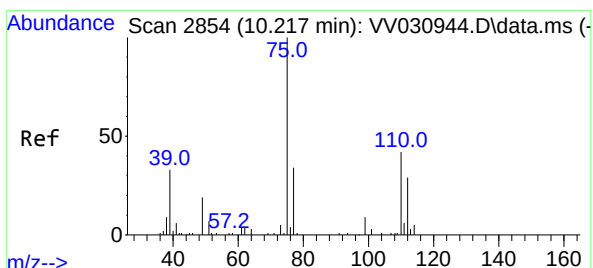
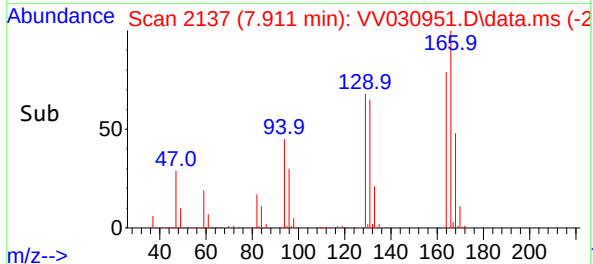
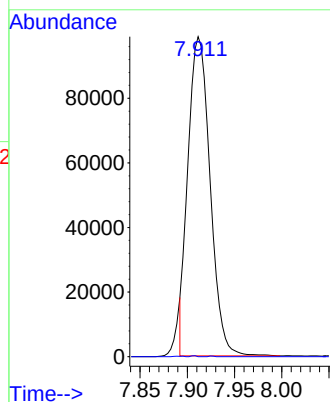
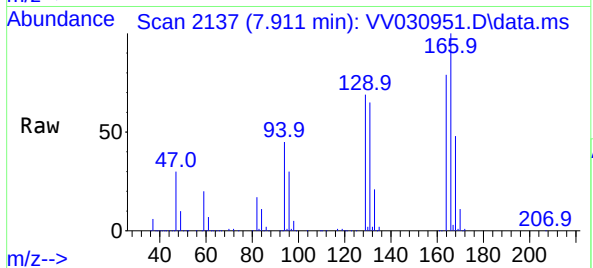
BHE66

Tgt Ion:129 Resp: 160586

Ion Ratio Lower Upper

129 100

127 0.0 55.3 102.7#



#61

1,2,3-Trichloropropane

Concen: 1.552 ug/L

RT: 11.191 min Scan# 3157

Delta R.T. 0.974 min

Lab File: VV030951.D

Acq: 01 May 2023 13:27

Tgt Ion: 75 Resp: 6269

Ion Ratio Lower Upper

75 100

77 39.5 25.3 37.9#

110 4.0 34.0 51.0#

