

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041423\
 Data File : VW030562.D
 Acq On : 14 Apr 2023 10:48
 Operator : SY/MD
 Sample : 02250-04DL 2.5X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHD5DL

Quant Time: Apr 15 01:55:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Apr 15 01:54:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	112698	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	112171	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	53735	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	47688	6.389	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	= 127.800%	
7) Chloroethane-d5	1.539	69	40015	5.524	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	= 110.400%	
11) 1,1-Dichloroethene-d2	2.063	63	75578	4.267	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	= 85.400%	
20) 2-Butanone-d5	3.815	46	94140	48.797	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	= 97.600%	
24) Chloroform-d	4.262	84	88054	4.874	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 97.400%	
26) 1,2-Dichloroethane-d4	4.953	65	47005	5.515	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 110.200%	
32) Benzene-d6	4.969	84	154798	4.897	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	= 98.000%	
36) 1,2-Dichloropropane-d6	5.998	67	50048	5.057	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	= 101.200%	
41) Toluene-d8	7.252	98	131156	4.518	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	= 90.400%	
43) trans-1,3-Dichloroprop...	7.561	79	18029	4.839	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	= 96.800%	
46) 2-Hexanone-d5	8.034	63	69018	46.099	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	= 92.200%	
56) 1,1,2,2-Tetrachloroeth...	10.162	84	35862	4.598	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	= 92.000%	
66) 1,2-Dichlorobenzene-d4	11.570	152	51601	5.373	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	= 107.400%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.217	50	1892	0.105	ug/L	91
6) Bromomethane	1.500	94	513	0.136	ug/L	81
9) Trichlorofluoromethane	1.719	101	1850	0.096	ug/L	95
12) 1,1-Dichloroethene	2.076	96	8885	0.944	ug/L #	1
13) Acetone	2.143	43	3939	2.135	ug/L	84
16) Methylene chloride	2.455	84	5143	0.462	ug/L	97
19) 1,1-Dichloroethane	3.121	63	41369	2.151	ug/L	98
22) cis-1,2-Dichloroethene	3.828	96	37809	3.798	ug/L	97
25) Chloroform	4.288	83	8963	0.461	ug/L	98
29) 1,1,1-Trichloroethane	4.526	97	5600	0.311	ug/L #	89
34) Trichloroethene	5.841	95	79850	7.431	ug/L	96
35) Methylcyclohexane	5.995	83	12520	0.742	ug/L #	17
39) cis-1,3-Dichloropropene	6.921	75	1581	0.110	ug/L	89
44) trans-1,3-Dichloropropene	7.558	75	1074	0.088	ug/L	86
47) Tetrachloroethene	7.915	164	37132	3.916	ug/L	95
49) Dibromochloromethane	7.911	129	31622	3.689	ug/L #	12
71) Naphthalene	13.451	128	1306	0.078	ug/L #	84
72) 1,2,3-Trichlorobenzene	13.702	180	963	0.095	ug/L #	42

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Sat Apr 15 01:54:33 2023
Response via : Initial Calibration

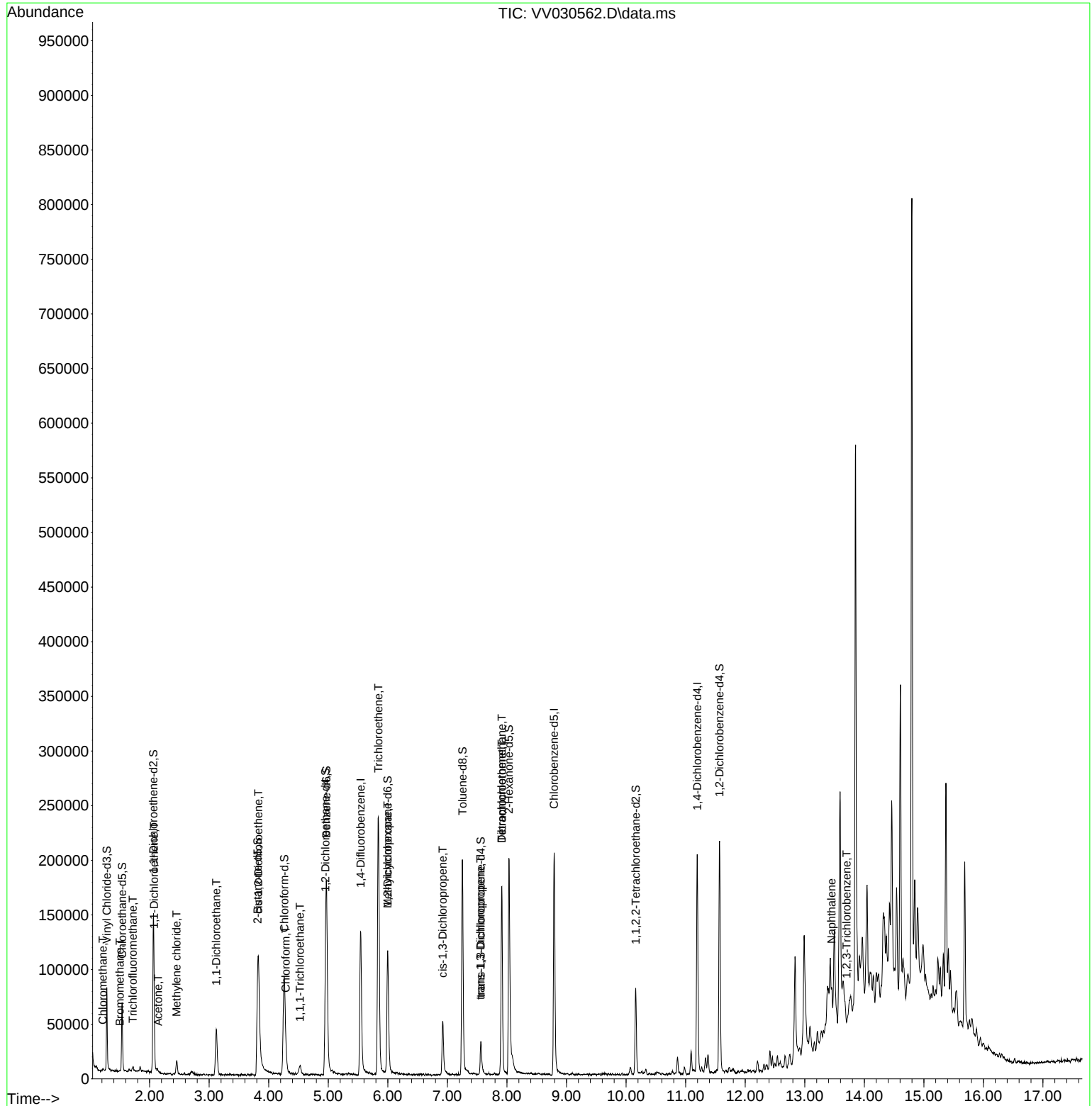
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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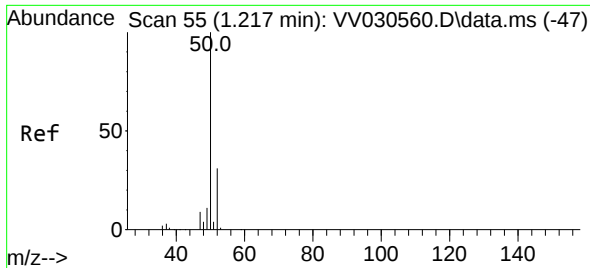
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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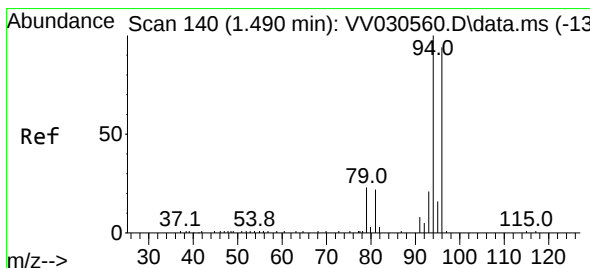
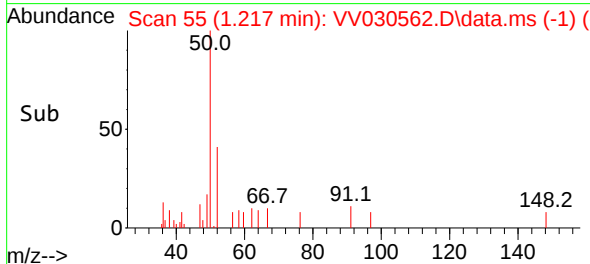
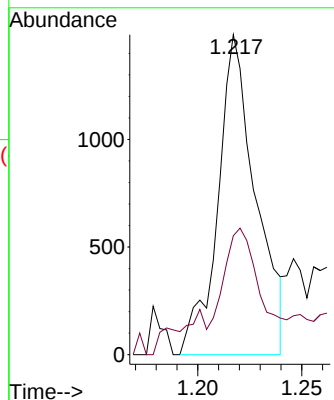
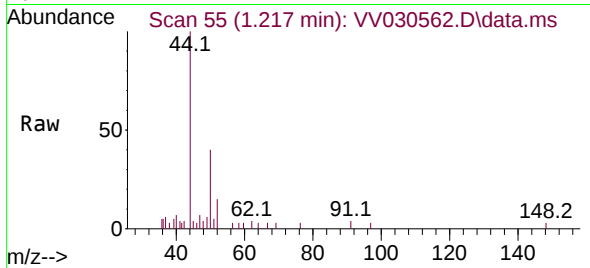




#3
Chloromethane
Concen: 0.105 ug/L
RT: 1.217 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV030562.D
Acq: 14 Apr 2023 10:48

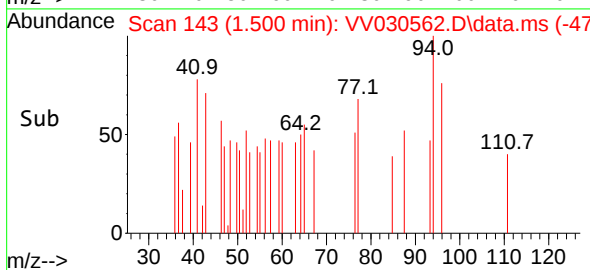
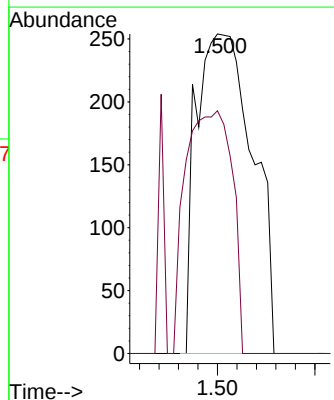
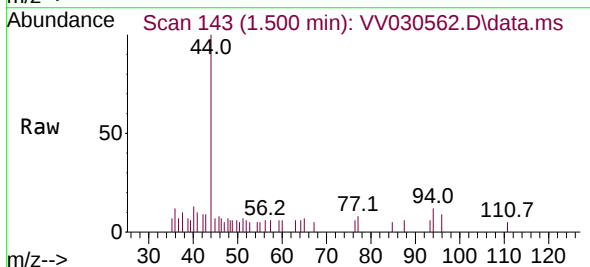
Instrument :
MSVOA_V
ClientSampleId :
BHD5DL

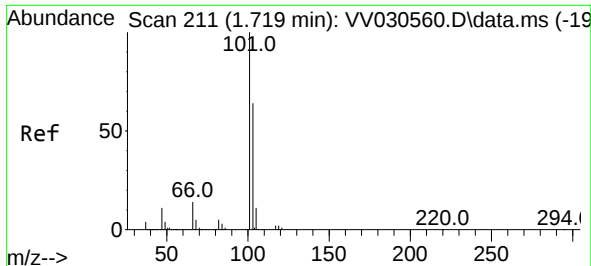
Tgt Ion: 50 Resp: 1892
Ion Ratio Lower Upper
50 100
52 37.1 22.3 41.5



#6
Bromomethane
Concen: 0.136 ug/L
RT: 1.500 min Scan# 143
Delta R.T. 0.010 min
Lab File: VV030562.D
Acq: 14 Apr 2023 10:48

Tgt Ion: 94 Resp: 513
Ion Ratio Lower Upper
94 100
96 76.0 66.1 122.7

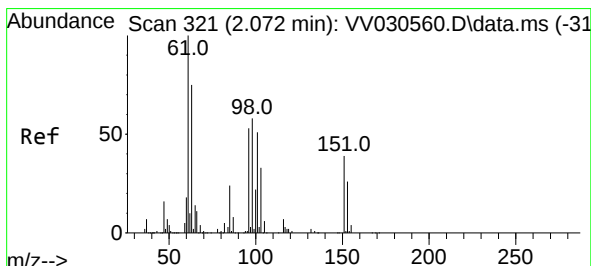
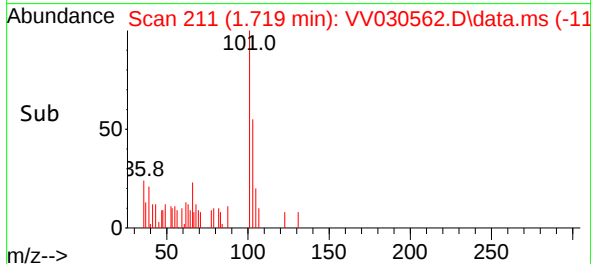
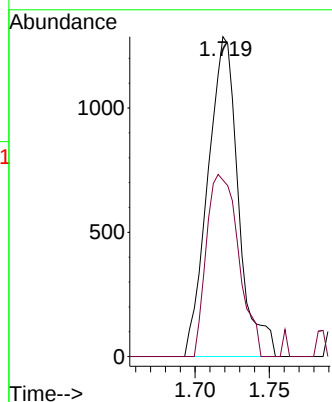
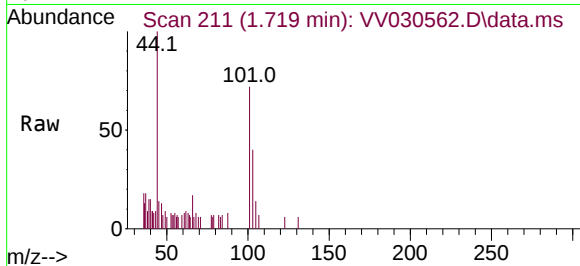




#9
 Trichlorofluoromethane
 Concen: 0.096 ug/L
 RT: 1.719 min Scan# 211
 Delta R.T. -0.000 min
 Lab File: VV030562.D
 Acq: 14 Apr 2023 10:48

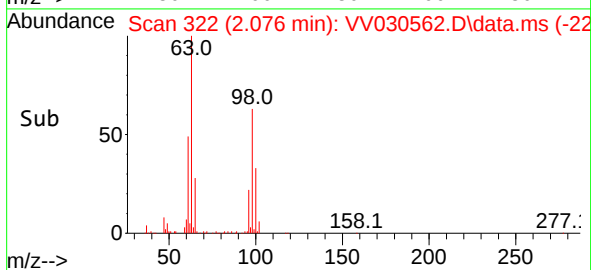
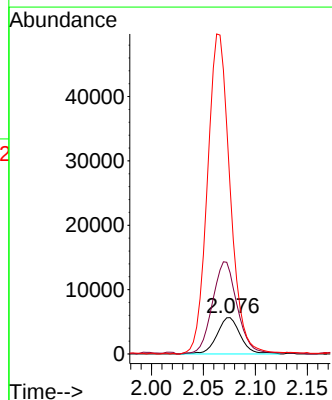
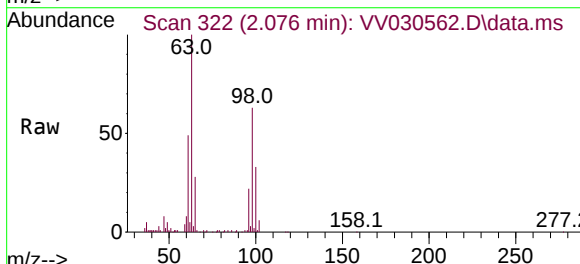
Instrument :
 MSVOA_V
 ClientSampleId :
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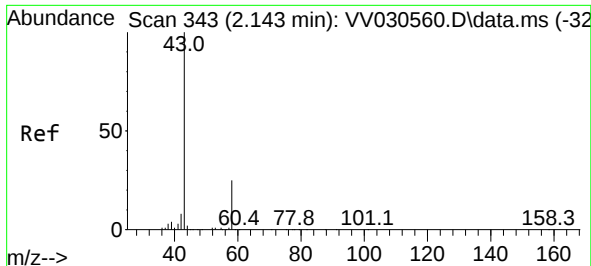
Tgt Ion:101 Resp: 1850
 Ion Ratio Lower Upper
 101 100
 103 59.7 51.0 76.6



#12
 1,1-Dichloroethene
 Concen: 0.944 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. 0.003 min
 Lab File: VV030562.D
 Acq: 14 Apr 2023 10:48

Tgt Ion: 96 Resp: 8885
 Ion Ratio Lower Upper
 96 100
 61 222.9 136.3 253.1
 63 458.0 92.1 171.1#





#13

Acetone

Concen: 2.135 ug/L

RT: 2.143 min Scan# 34

Delta R.T. -0.000 min

Lab File: VV030562.D

Acq: 14 Apr 2023 10:48

Instrument :

MSVOA_V

ClientSampleId :

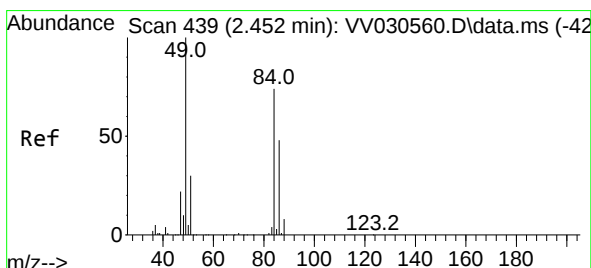
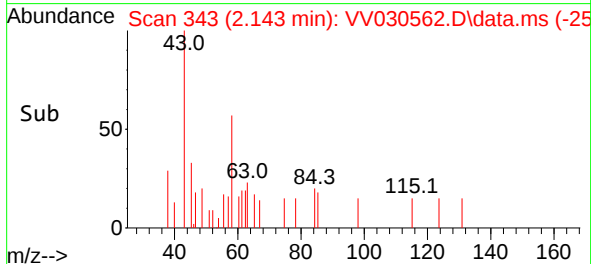
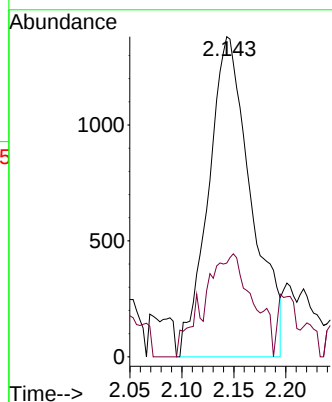
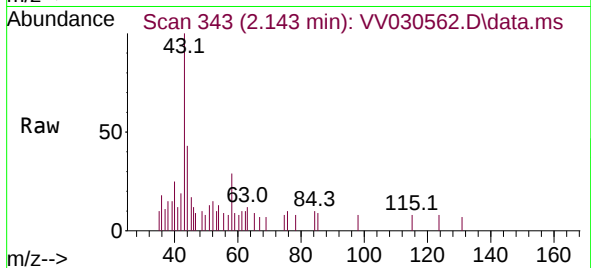
BHDX5DL

Tgt Ion: 43 Resp: 3939

Ion Ratio Lower Upper

43 100

58 28.0 0.0 40.8



#16

Methylene chloride

Concen: 0.462 ug/L

RT: 2.455 min Scan# 440

Delta R.T. 0.003 min

Lab File: VV030562.D

Acq: 14 Apr 2023 10:48

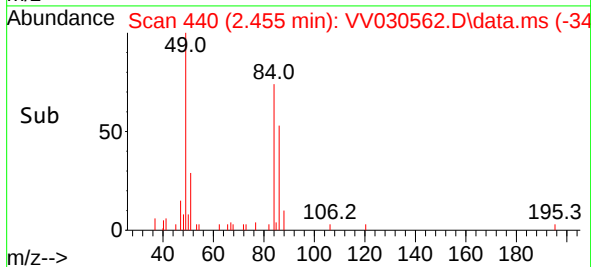
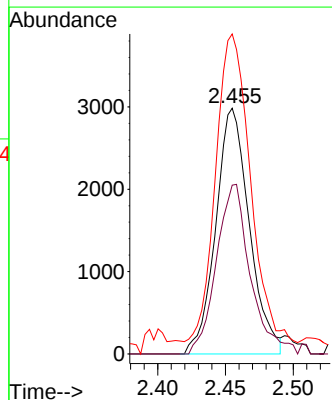
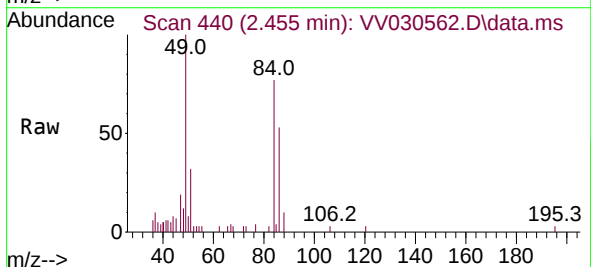
Tgt Ion: 84 Resp: 5143

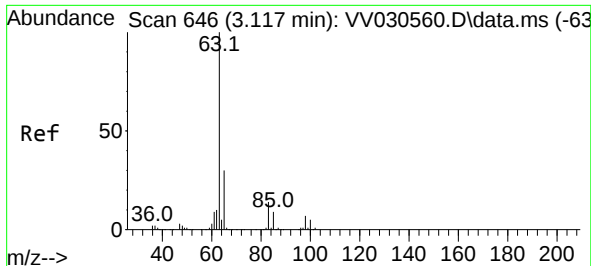
Ion Ratio Lower Upper

84 100

86 68.7 44.0 81.6

49 130.2 90.6 168.3





#19

1,1-Dichloroethane

Concen: 2.151 ug/L

RT: 3.121 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV030562.D

Acq: 14 Apr 2023 10:48

Instrument :

MSVOA_V

ClientSampleId :

BHDX5DL

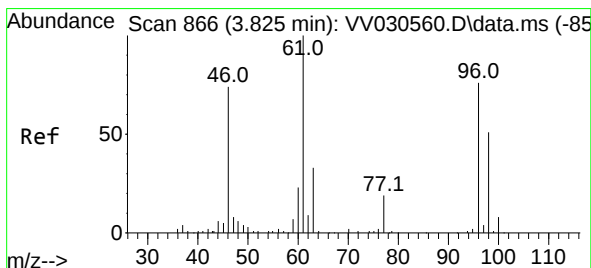
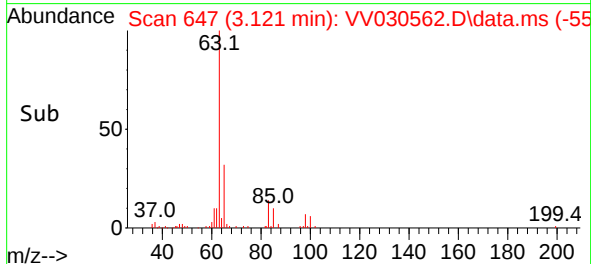
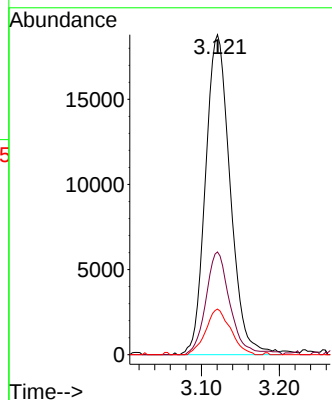
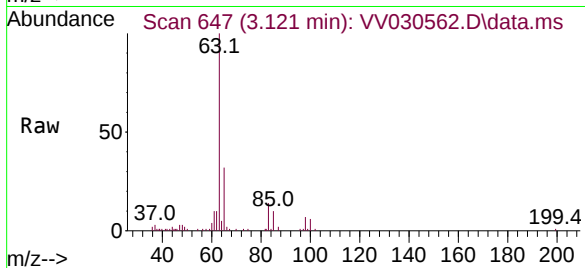
Tgt Ion: 63 Resp: 41369

Ion Ratio Lower Upper

63 100

65 32.1 21.7 40.3

83 14.2 9.1 16.9



#22

cis-1,2-Dichloroethene

Concen: 3.798 ug/L

RT: 3.828 min Scan# 867

Delta R.T. 0.003 min

Lab File: VV030562.D

Acq: 14 Apr 2023 10:48

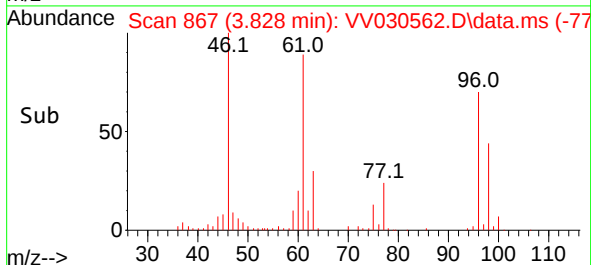
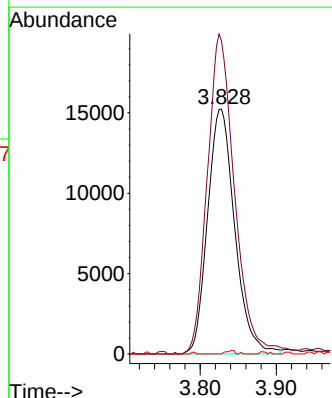
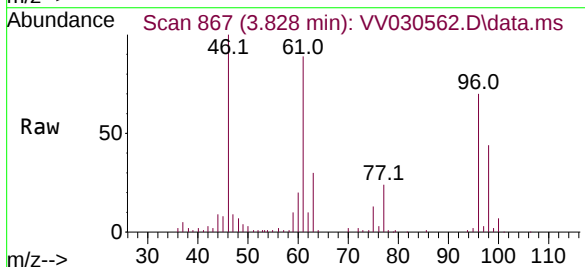
Tgt Ion: 96 Resp: 37809

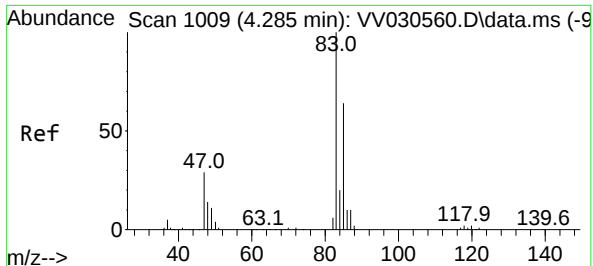
Ion Ratio Lower Upper

96 100

61 127.7 92.0 170.8

68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.461 ug/L

RT: 4.288 min Scan# 1009

Delta R.T. 0.003 min

Lab File: VV030562.D

Acq: 14 Apr 2023 10:48

Instrument :

MSVOA_V

ClientSampleId :

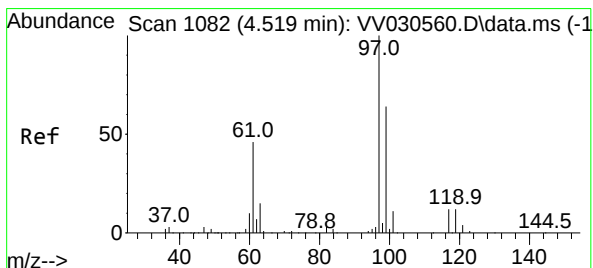
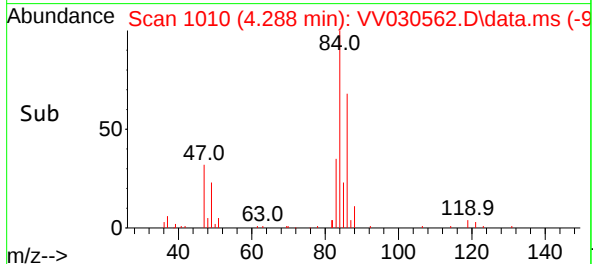
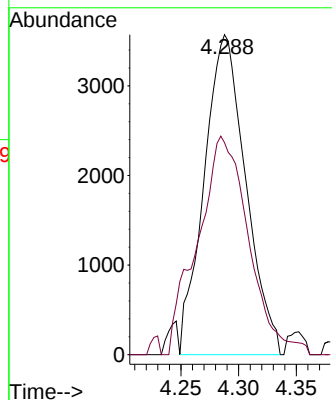
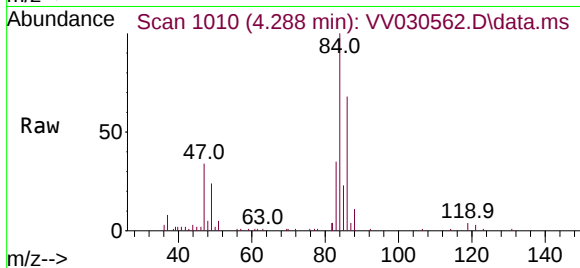
BHDX5DL

Tgt Ion: 83 Resp: 8963

Ion Ratio Lower Upper

83 100

85 66.3 47.6 88.4



#29

1,1,1-Trichloroethane

Concen: 0.311 ug/L

RT: 4.526 min Scan# 1084

Delta R.T. 0.006 min

Lab File: VV030562.D

Acq: 14 Apr 2023 10:48

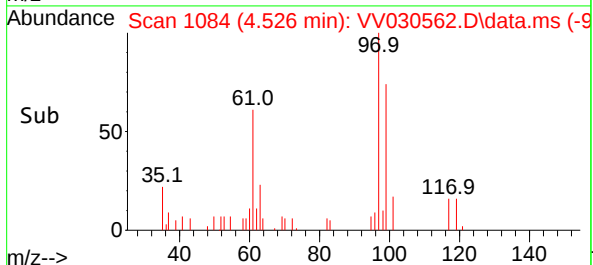
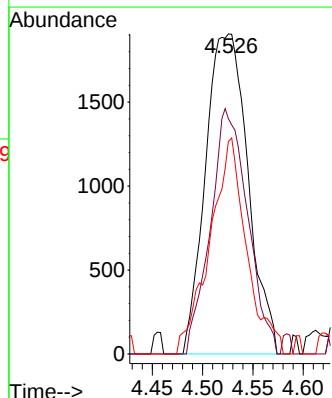
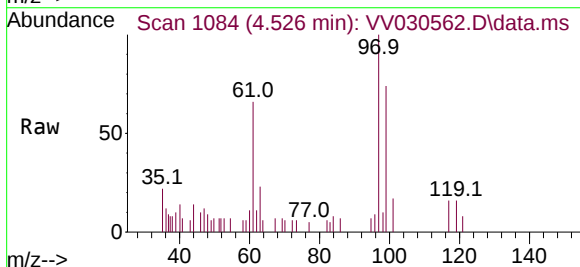
Tgt Ion: 97 Resp: 5600

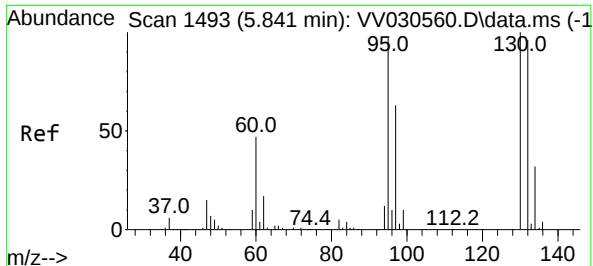
Ion Ratio Lower Upper

97 100

99 67.3 50.9 76.3

61 58.2 35.9 53.9#



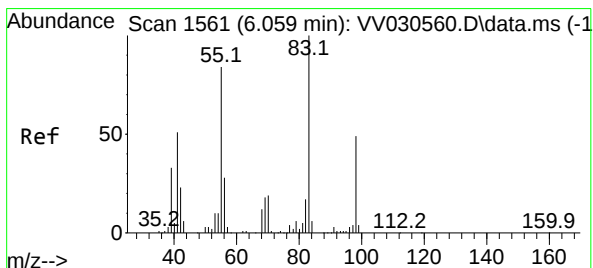
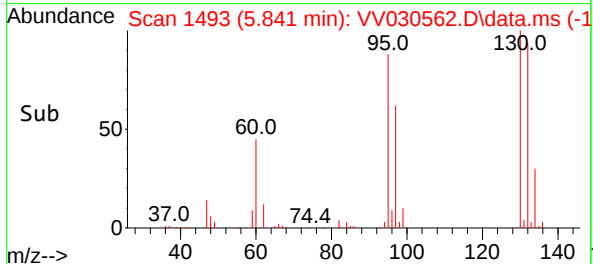
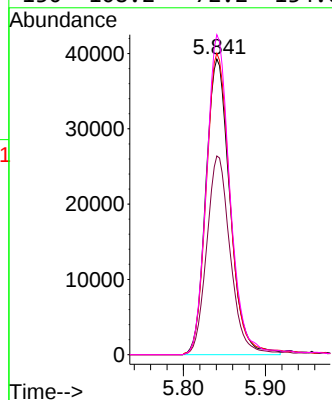
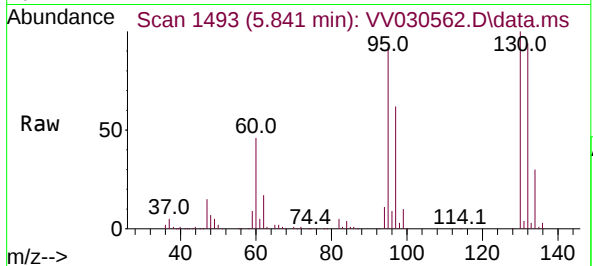


#34
Trichloroethene
Concen: 7.431 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. -0.000 min
Lab File: VV030562.D
Acq: 14 Apr 2023 10:48

Instrument :
MSVOA_V
ClientSampleId :
BHD5DL

Tgt Ion: 95 Resp: 79850

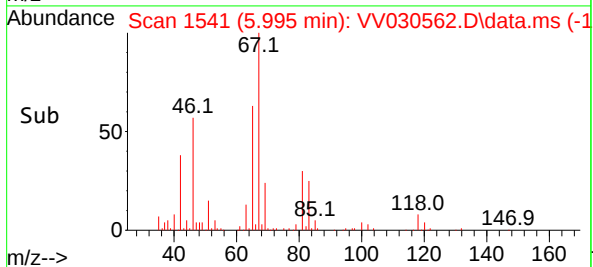
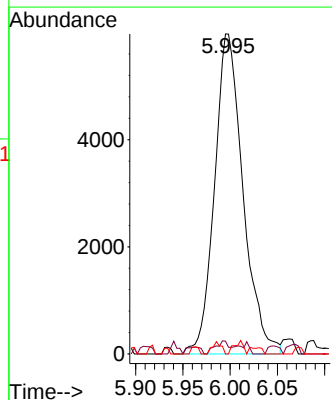
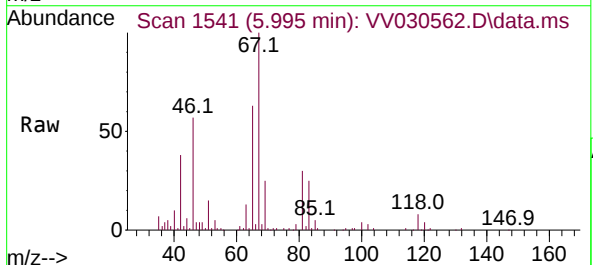
Ion	Ratio	Lower	Upper
95	100		
97	67.2	44.2	82.2
132	101.9	69.5	129.1
130	108.2	72.2	134.0

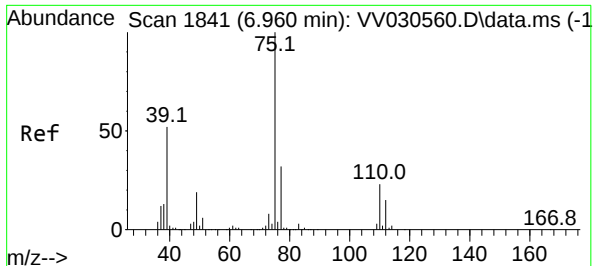


#35
Methylcyclohexane
Concen: 0.742 ug/L
RT: 5.995 min Scan# 1541
Delta R.T. -0.064 min
Lab File: VV030562.D
Acq: 14 Apr 2023 10:48

Tgt Ion: 83 Resp: 12520

Ion	Ratio	Lower	Upper
83	100		
55	1.9	66.6	100.0#
98	1.2	38.6	58.0#





#39

cis-1,3-Dichloropropene

Concen: 0.110 ug/L

RT: 6.921 min Scan# 1829

Delta R.T. -0.039 min

Lab File: VV030562.D

Acq: 14 Apr 2023 10:48

Instrument :

MSVOA_V

ClientSampleId :

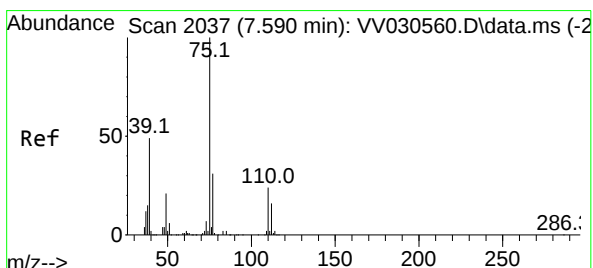
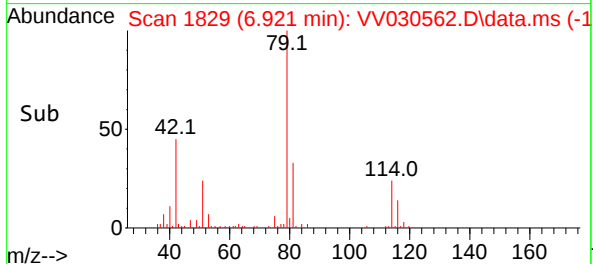
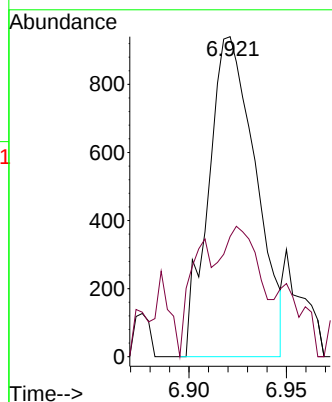
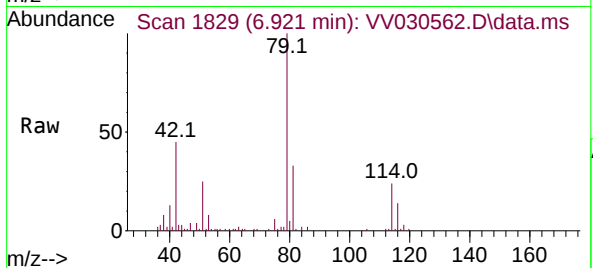
BHDX5DL

Tgt Ion: 75 Resp: 1581

Ion Ratio Lower Upper

75 100

77 37.6 22.0 41.0



#44

trans-1,3-Dichloropropene

Concen: 0.088 ug/L

RT: 7.558 min Scan# 2027

Delta R.T. -0.032 min

Lab File: VV030562.D

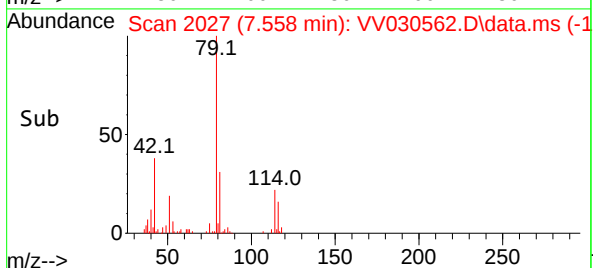
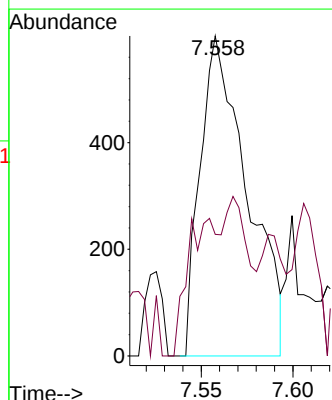
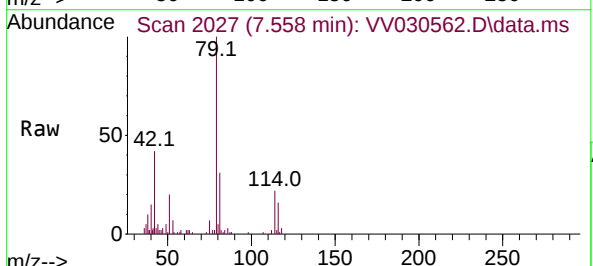
Acq: 14 Apr 2023 10:48

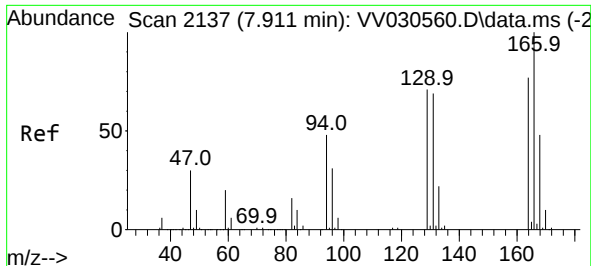
Tgt Ion: 75 Resp: 1074

Ion Ratio Lower Upper

75 100

77 38.0 21.2 39.4





#47

Tetrachloroethene

Concen: 3.916 ug/L

RT: 7.915 min Scan# 2137

Delta R.T. 0.003 min

Lab File: VV030562.D

Acq: 14 Apr 2023 10:48

Instrument :

MSVOA_V

ClientSampleId :

BHDX5DL

Tgt Ion:164 Resp: 37132

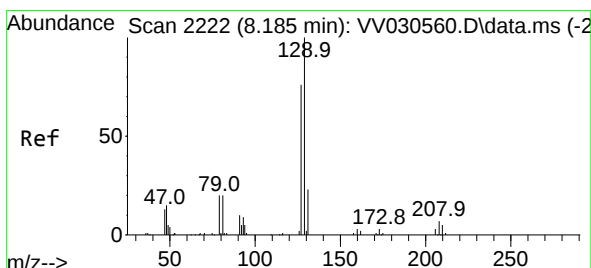
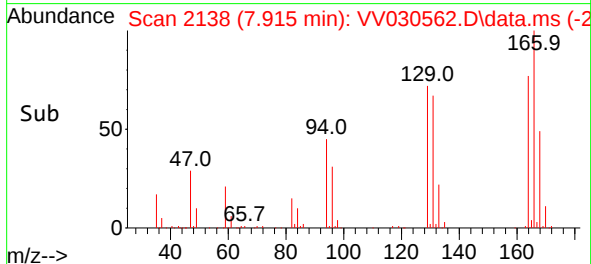
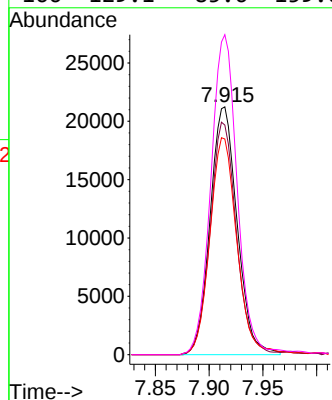
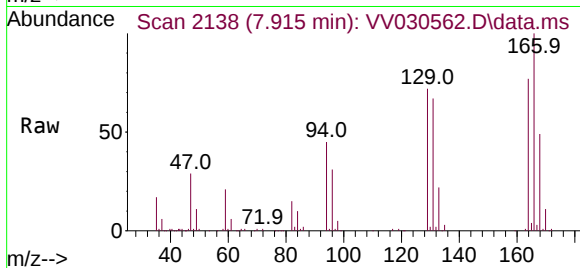
Ion Ratio Lower Upper

164 100

129 92.7 60.8 112.8

131 87.0 61.7 114.7

166 129.1 85.6 159.0



#49

Dibromochloromethane

Concen: 3.689 ug/L

RT: 7.911 min Scan# 2137

Delta R.T. -0.273 min

Lab File: VV030562.D

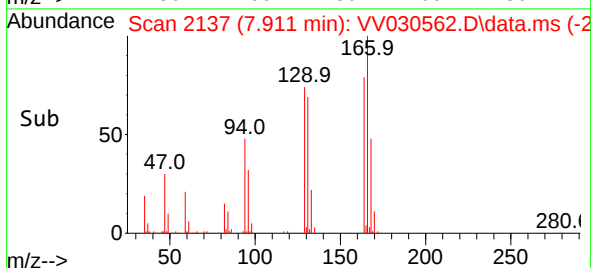
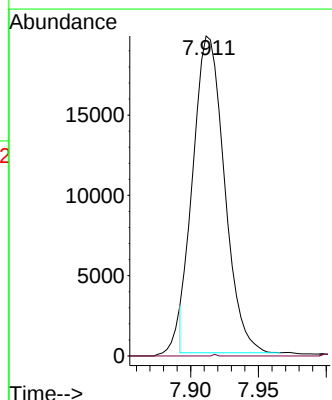
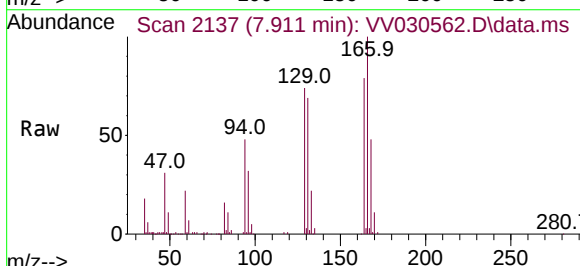
Acq: 14 Apr 2023 10:48

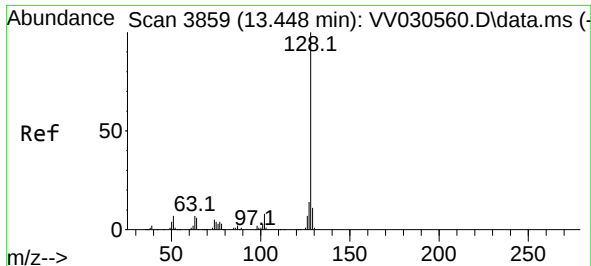
Tgt Ion:129 Resp: 31622

Ion Ratio Lower Upper

129 100

127 0.0 52.7 97.9#

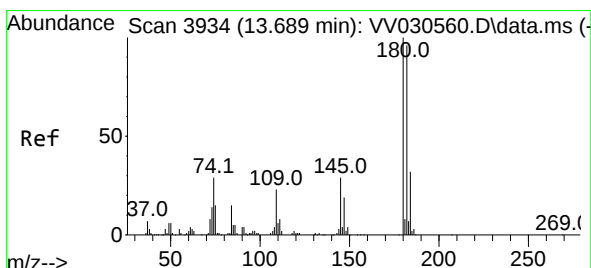
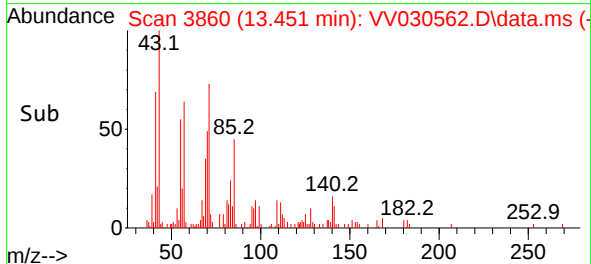
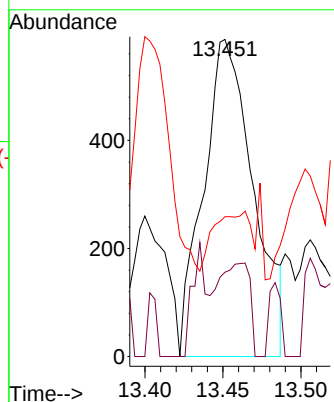
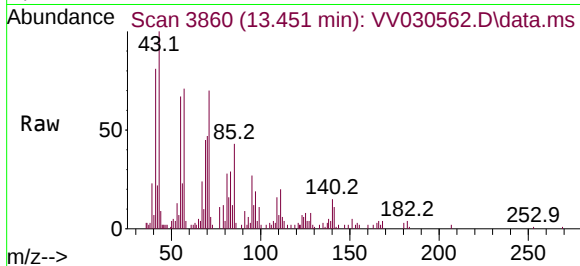




#71
Naphthalene
Concen: 0.078 ug/L
RT: 13.451 min Scan# 3860
Delta R.T. 0.003 min
Lab File: VV030562.D
Acq: 14 Apr 2023 10:48

Instrument :
MSVOA_V
ClientSampleId :
BHD5DL

Tgt Ion:128 Resp: 1306
Ion Ratio Lower Upper
128 100
129 18.5 8.9 13.3#
127 18.5 10.8 16.2#



#72
1,2,3-Trichlorobenzene
Concen: 0.095 ug/L
RT: 13.702 min Scan# 3938
Delta R.T. 0.013 min
Lab File: VV030562.D
Acq: 14 Apr 2023 10:48

Tgt Ion:180 Resp: 963
Ion Ratio Lower Upper
180 100
182 30.8 76.6 115.0#
145 13.4 25.0 37.4#

