

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041023\
 Data File : VV030482.D
 Acq On : 10 Apr 2023 21:02
 Operator : SY/MD
 Sample : 02250-16
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHDY6

Quant Time: Apr 11 06:33:32 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Apr 11 06:24:59 2023
 Response via : Initial Calibration

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

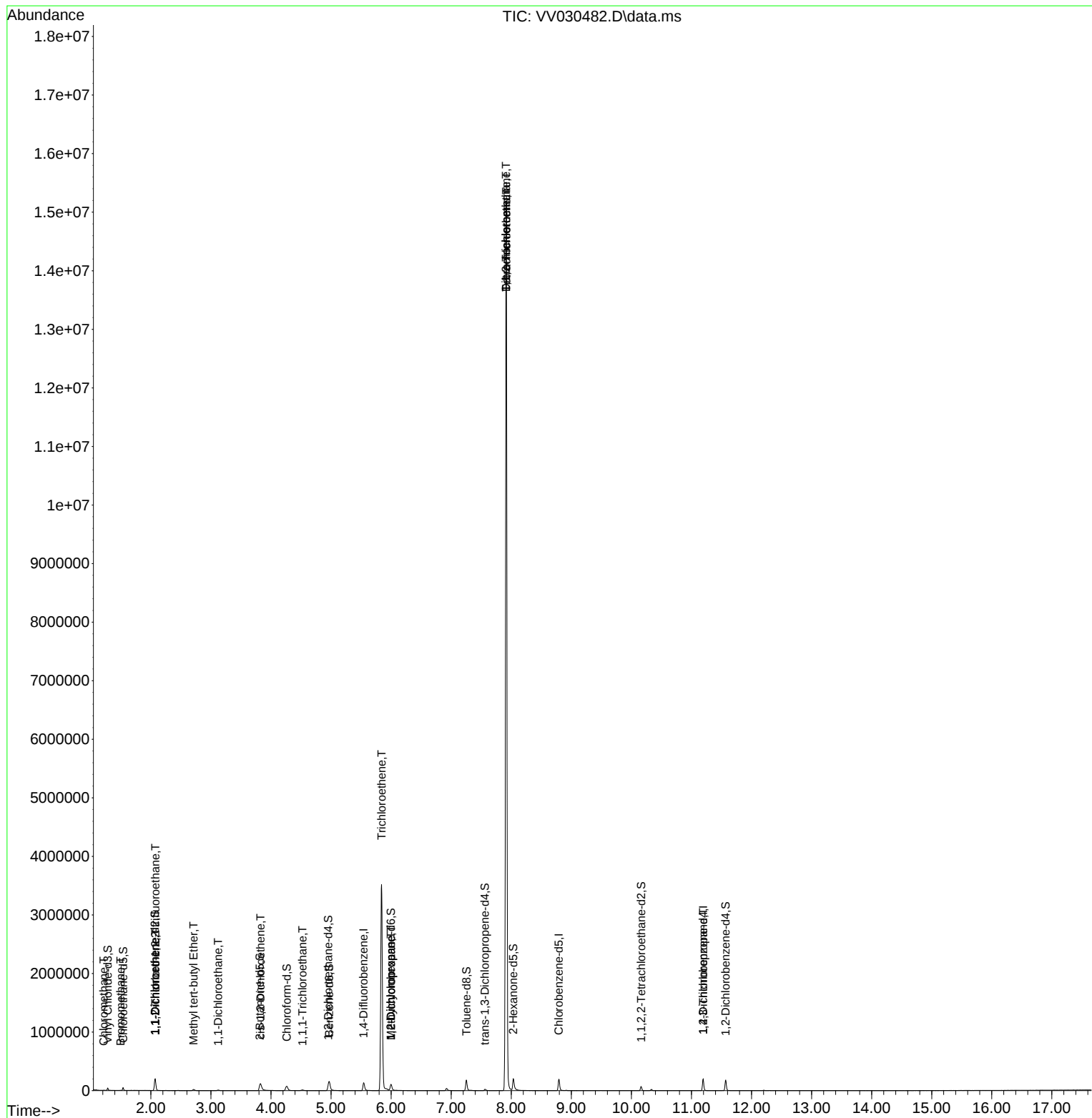
Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	114962	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	109139	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	52870	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	25374	3.333	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.600%
7) Chloroethane-d5	1.539	69	28828	3.901	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.000%
11) 1,1-Dichloroethene-d2	2.066	63	59626	3.300	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	66.000%
20) 2-Butanone-d5	3.815	46	86823	44.118	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.240%
24) Chloroform-d	4.262	84	81157	4.404	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.000%
26) 1,2-Dichloroethane-d4	4.953	65	41497	4.773	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.400%
32) Benzene-d6	4.969	84	138432	4.501	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.000%
36) 1,2-Dichloropropane-d6	5.998	67	47010	4.882	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.600%
41) Toluene-d8	7.252	98	118635	4.201	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.000%
43) trans-1,3-Dichloroprop...	7.561	79	14071	3.881	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.600%
46) 2-Hexanone-d5	8.034	63	68704	47.164	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.320%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	31703	4.178	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.600%
66) 1,2-Dichlorobenzene-d4	11.570	152	46674	4.939	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.800%
Target Compounds						Qvalue
3) Chloromethane	1.217	50	2352	0.128	ug/L	89
6) Bromomethane	1.497	94	555	0.145	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	21626	1.999	ug/L	99
12) 1,1-Dichloroethene	2.076	96	21144	2.201	ug/L	85
17) Methyl tert-butyl Ether	2.712	73	16409	0.807	ug/L #	94
19) 1,1-Dichloroethane	3.121	63	8403	0.428	ug/L	93
22) cis-1,2-Dichloroethene	3.825	96	46005	4.530	ug/L	100
29) 1,1,1-Trichloroethane	4.522	97	8708	0.496	ug/L	94
34) Trichloroethene	5.841	95	1168365	111.755	ug/L	98
35) Methylcyclohexane	5.998	83	12689	0.773	ug/L #	16
37) 1,2-Dichloropropane	5.995	63	6169	0.620	ug/L #	86
45) 1,1,2-Trichloroethane	7.915	97	28032	4.001	ug/L #	5
47) Tetrachloroethene	7.918	164	3062921	331.961	ug/L	94
49) Dibromochloromethane	7.915	129	2781414	333.463	ug/L #	12
61) 1,2,3-Trichloropropane	11.194	75	6120	1.295	ug/L #	67

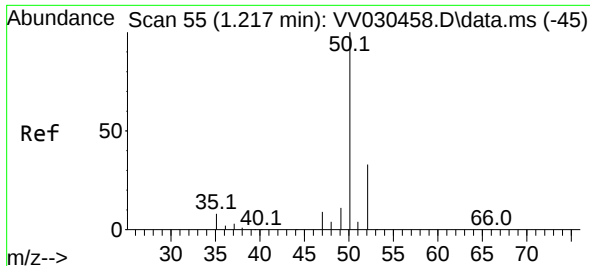
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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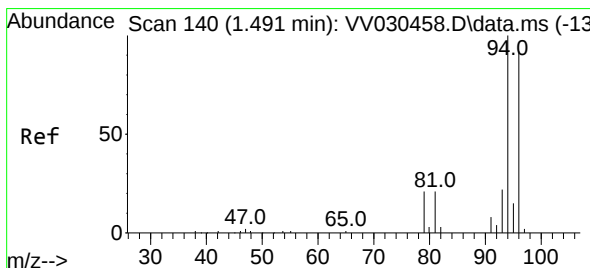
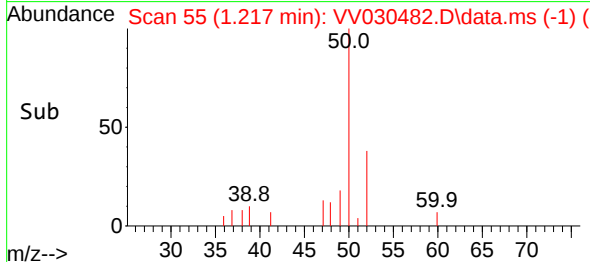
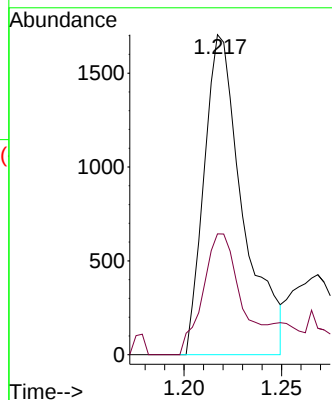
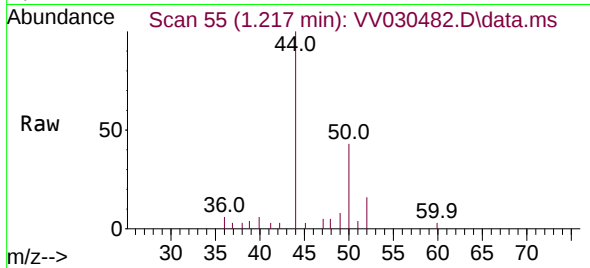




#3
Chloromethane
Concen: 0.128 ug/L
RT: 1.217 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV030482.D
Acq: 10 Apr 2023 21:02

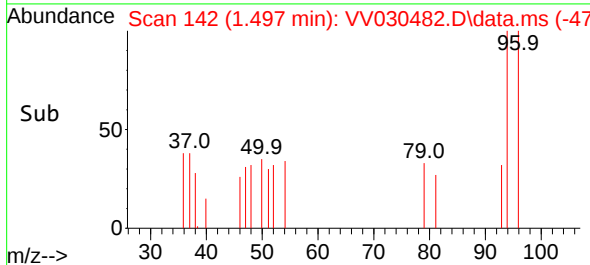
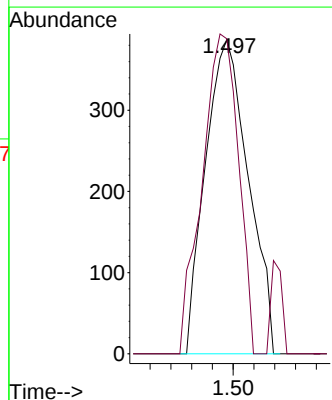
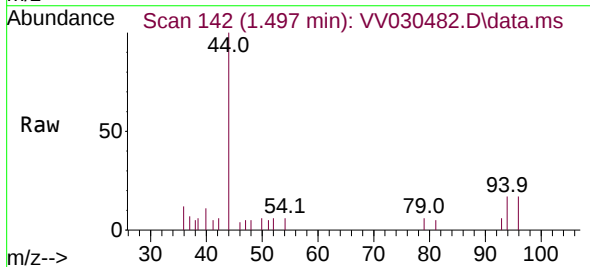
Instrument :
MSVOA_V
ClientSampleId :
BHDY6

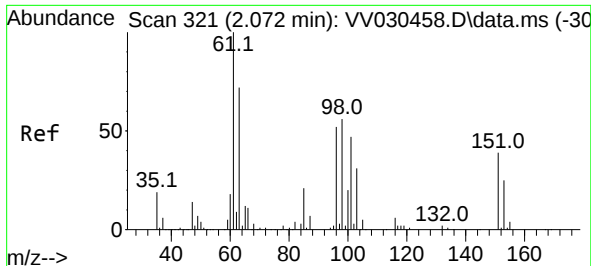
Tgt Ion: 50 Resp: 2352
Ion Ratio Lower Upper
50 100
52 37.8 22.3 41.5



#6
Bromomethane
Concen: 0.145 ug/L
RT: 1.497 min Scan# 142
Delta R.T. 0.006 min
Lab File: VV030482.D
Acq: 10 Apr 2023 21:02

Tgt Ion: 94 Resp: 555
Ion Ratio Lower Upper
94 100
96 100.3 66.1 122.7

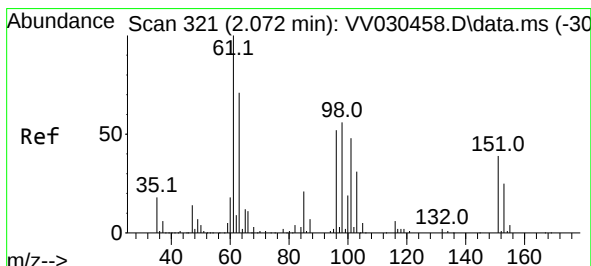
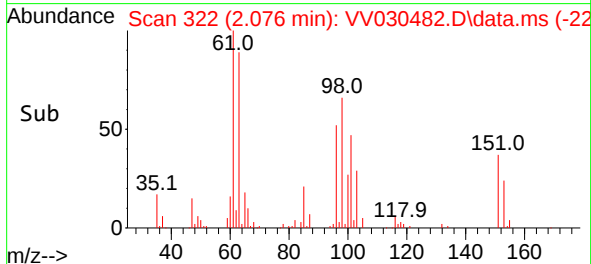
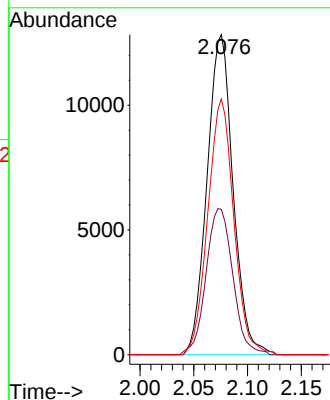
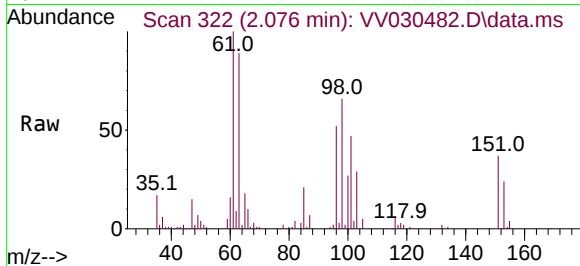




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 1.999 ug/L
 RT: 2.076 min Scan# 311
 Delta R.T. 0.003 min
 Lab File: VV030482.D
 Acq: 10 Apr 2023 21:02

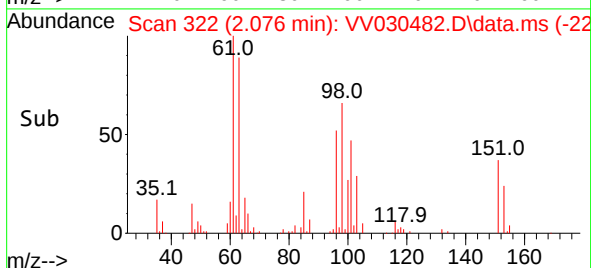
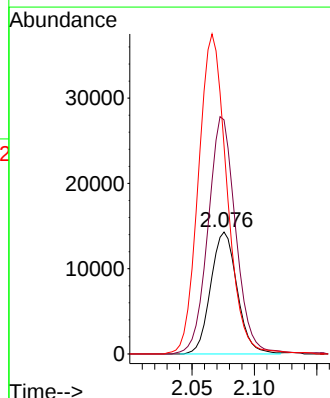
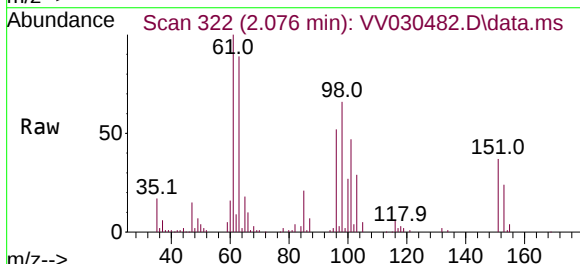
Instrument :
 MSVOA_V
 ClientSampleId :
 BHDY6

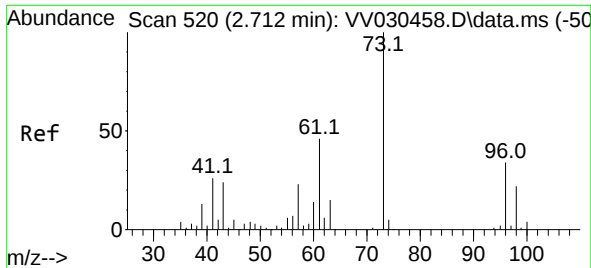
Tgt Ion:101 Resp: 21626
 Ion Ratio Lower Upper
 101 100
 85 46.9 38.1 57.1
 151 79.7 62.7 94.1



#12
 1,1-Dichloroethene
 Concen: 2.201 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. 0.003 min
 Lab File: VV030482.D
 Acq: 10 Apr 2023 21:02

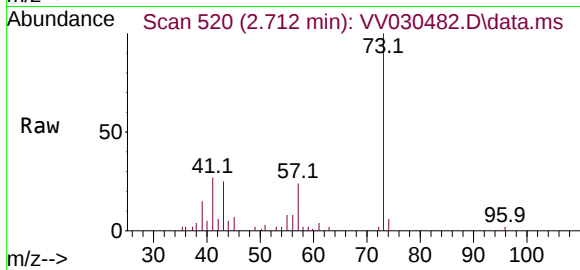
Tgt Ion: 96 Resp: 21144
 Ion Ratio Lower Upper
 96 100
 61 192.0 136.3 253.1
 63 170.7 92.1 171.1



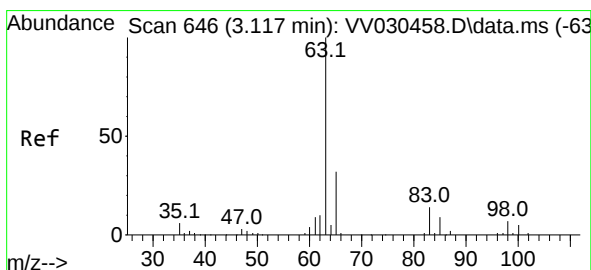
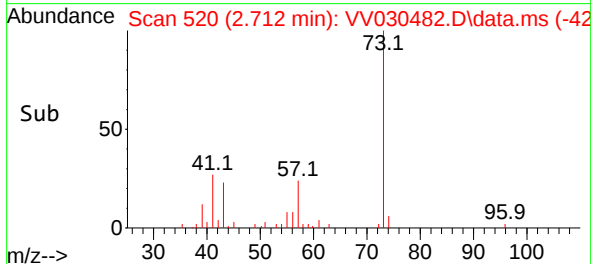
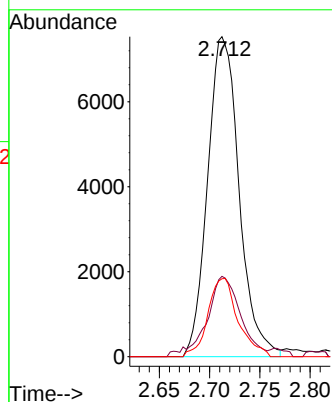


#17
Methyl tert-butyl Ether
Concen: 0.807 ug/L
RT: 2.712 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV030482.D
Acq: 10 Apr 2023 21:02

Instrument :
MSVOA_V
ClientSampleId :
BHDY6

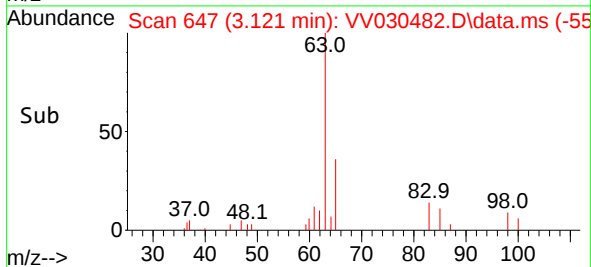
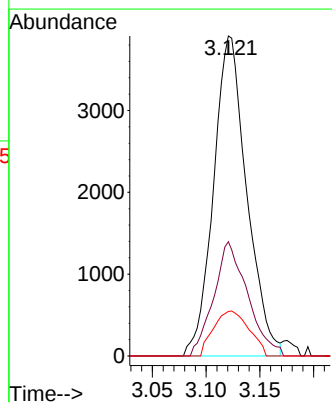
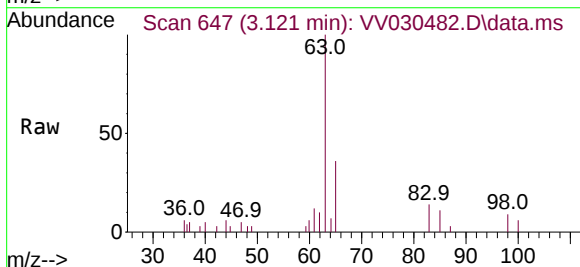


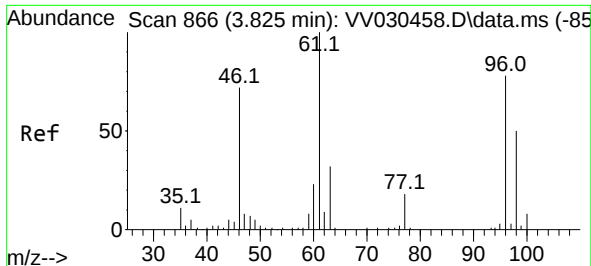
Tgt Ion: 73 Resp: 16409
Ion Ratio Lower Upper
73 100
43 26.7 17.4 26.2#
57 23.4 18.3 27.5



#19
1,1-Dichloroethane
Concen: 0.428 ug/L
RT: 3.121 min Scan# 647
Delta R.T. 0.003 min
Lab File: VV030482.D
Acq: 10 Apr 2023 21:02

Tgt Ion: 63 Resp: 8403
Ion Ratio Lower Upper
63 100
65 35.7 21.7 40.3
83 13.9 9.1 16.9





#22

cis-1,2-Dichloroethene

Concen: 4.530 ug/L

RT: 3.825 min Scan# 866

Delta R.T. -0.000 min

Lab File: VV030482.D

Acq: 10 Apr 2023 21:02

Instrument :

MSVOA_V

ClientSampleId :

BHDY6

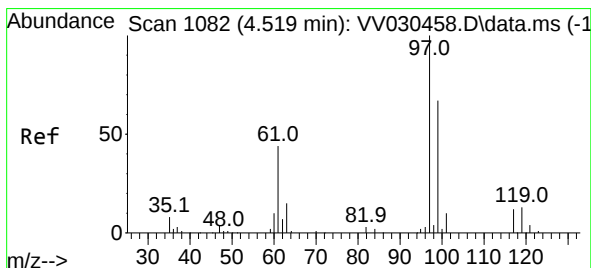
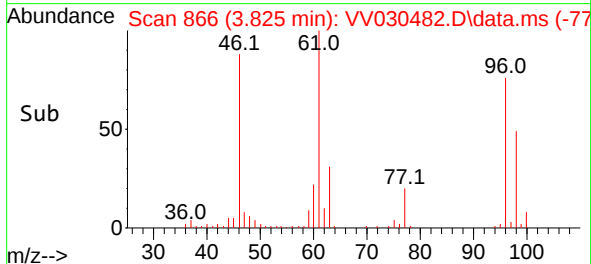
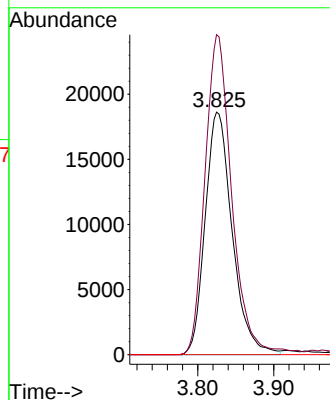
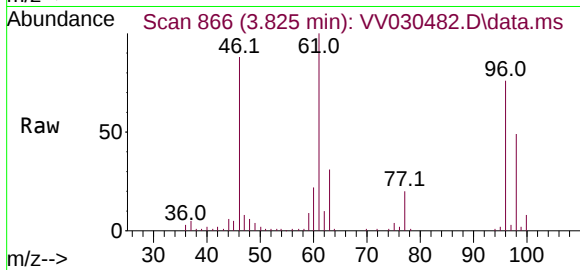
Tgt Ion: 96 Resp: 46005

Ion Ratio Lower Upper

96 100

61 132.0 92.0 170.8

68 0.0 0.0 0.0



#29

1,1,1-Trichloroethane

Concen: 0.496 ug/L

RT: 4.522 min Scan# 1083

Delta R.T. 0.003 min

Lab File: VV030482.D

Acq: 10 Apr 2023 21:02

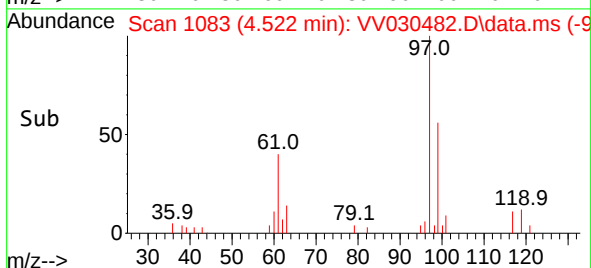
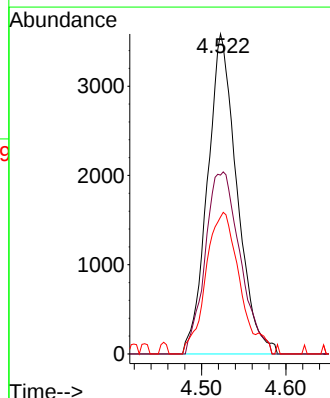
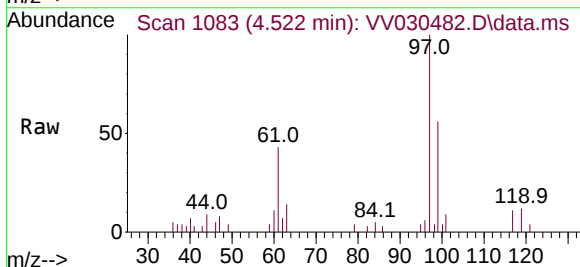
Tgt Ion: 97 Resp: 8708

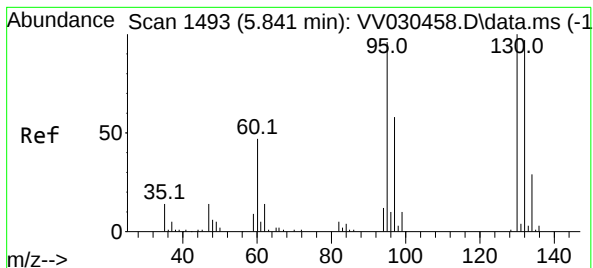
Ion Ratio Lower Upper

97 100

99 67.2 50.9 76.3

61 50.6 35.9 53.9





#34

Trichloroethene

Concen: 111.755 ug/L

RT: 5.841 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VV030482.D

Acq: 10 Apr 2023 21:02

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Tgt Ion: 95 Resp: 1168365

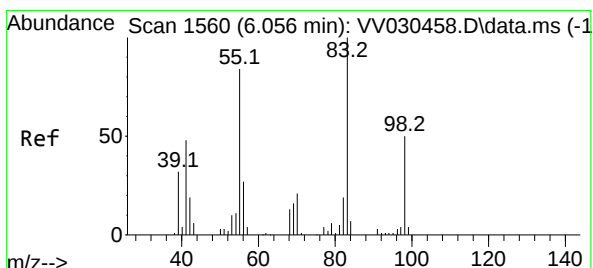
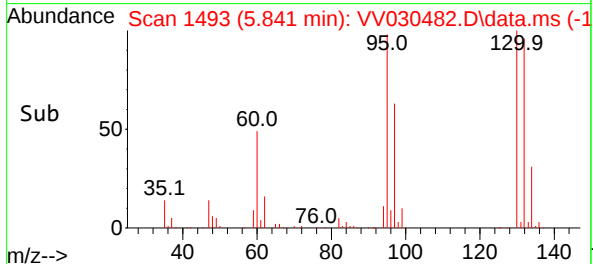
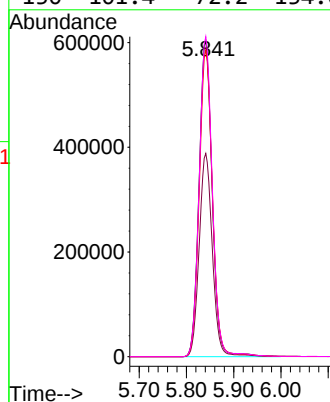
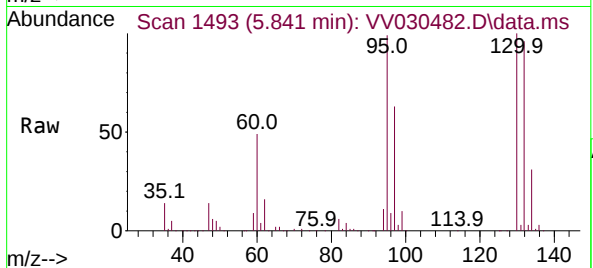
Ion Ratio Lower Upper

95 100

97 64.4 44.2 82.2

132 97.2 69.5 129.1

130 101.4 72.2 134.0



#35

Methylcyclohexane

Concen: 0.773 ug/L

RT: 5.998 min Scan# 1542

Delta R.T. -0.058 min

Lab File: VV030482.D

Acq: 10 Apr 2023 21:02

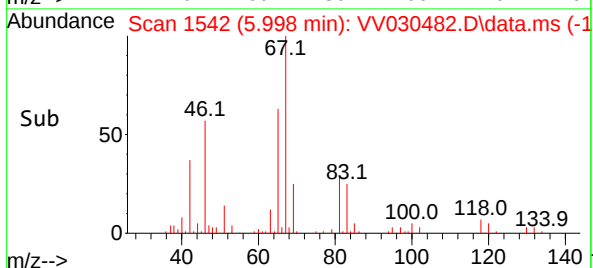
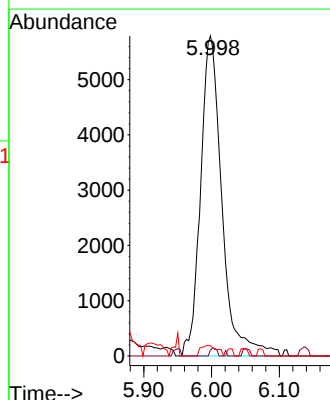
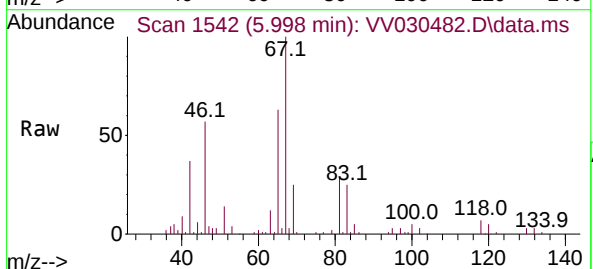
Tgt Ion: 83 Resp: 12689

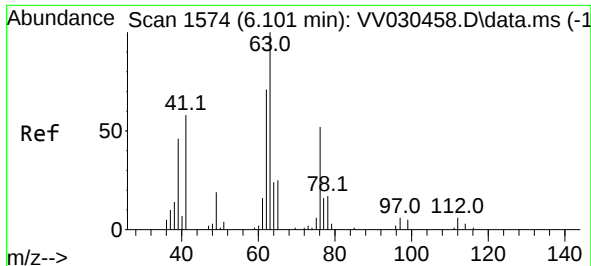
Ion Ratio Lower Upper

83 100

55 0.7 66.6 100.0#

98 0.0 38.6 58.0#





#37

1,2-Dichloropropane

Concen: 0.620 ug/L

RT: 5.995 min Scan# 1

Delta R.T. -0.106 min

Lab File: VV030482.D

Acq: 10 Apr 2023 21:02

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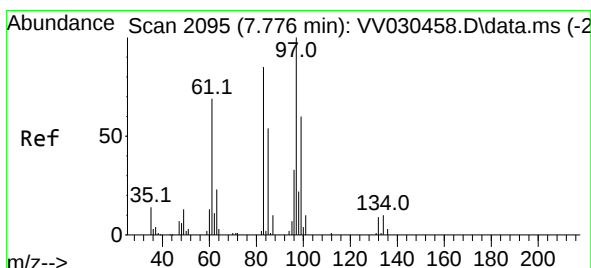
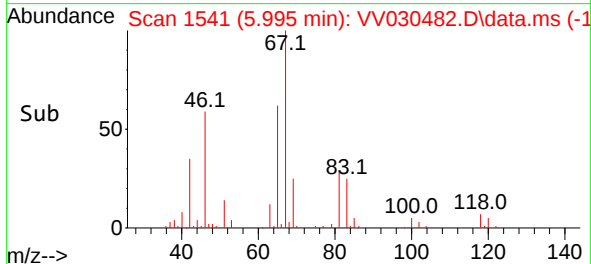
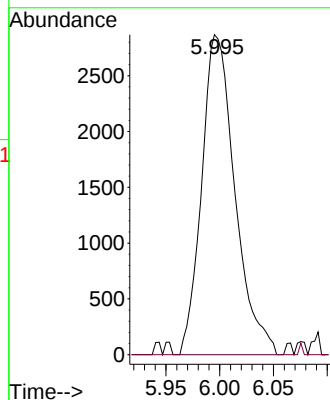
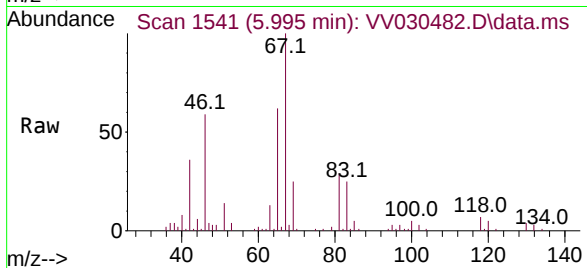
BHDY6

Tgt Ion: 63 Resp: 6169

Ion Ratio Lower Upper

63 100

112 0.3 3.9 5.9#



#45

1,1,2-Trichloroethane

Concen: 4.001 ug/L

RT: 7.915 min Scan# 2138

Delta R.T. 0.138 min

Lab File: VV030482.D

Acq: 10 Apr 2023 21:02

Tgt Ion: 97 Resp: 28032

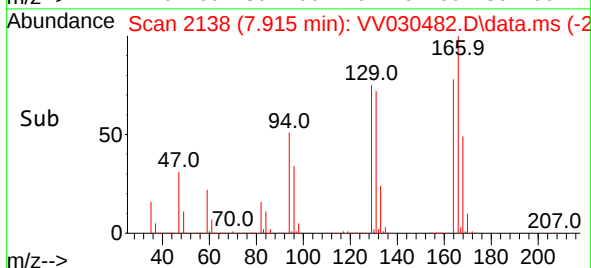
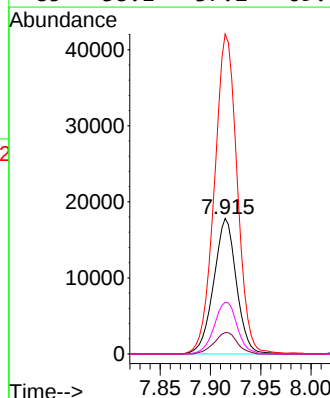
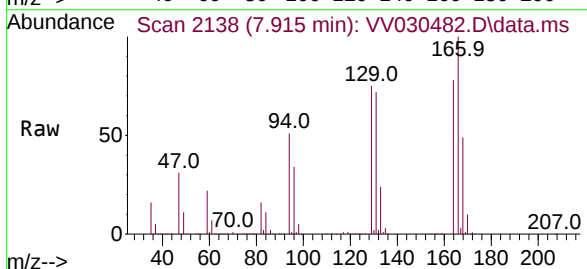
Ion Ratio Lower Upper

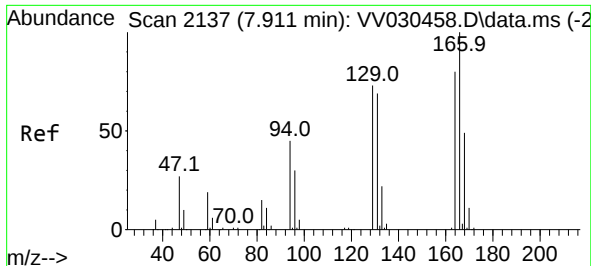
97 100

99 15.7 44.0 81.8#

83 236.1 58.8 109.2#

85 38.1 37.2 69.0



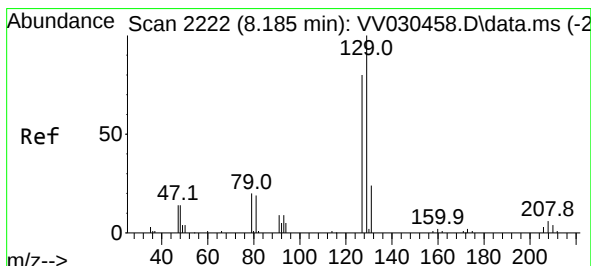
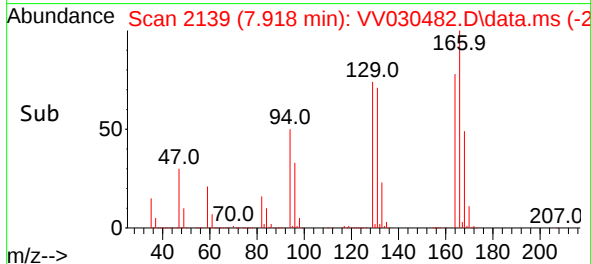
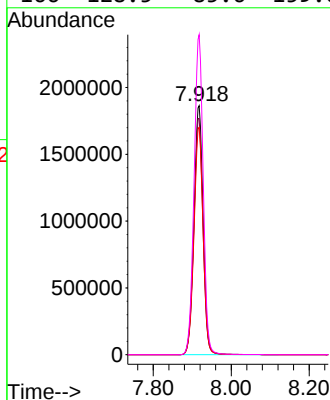
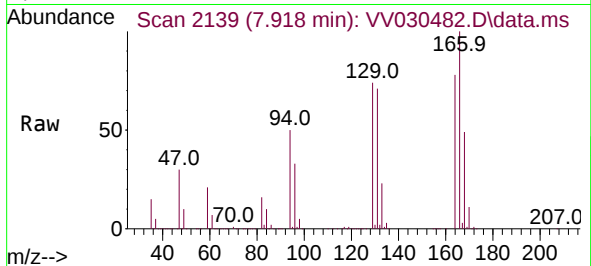


#47
Tetrachloroethene
Concen: 331.961 ug/L
RT: 7.918 min Scan# 2138
Delta R.T. 0.006 min
Lab File: VV030482.D
Acq: 10 Apr 2023 21:02

Instrument :
MSVOA_V
ClientSampleId :
BHDY6

Tgt Ion:164 Resp: 3062921

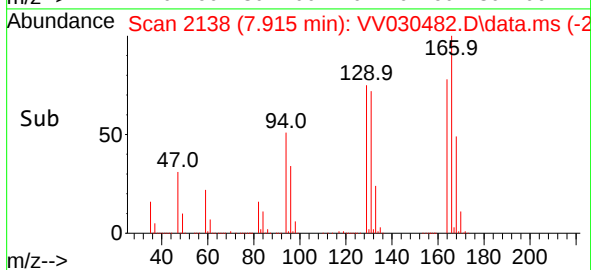
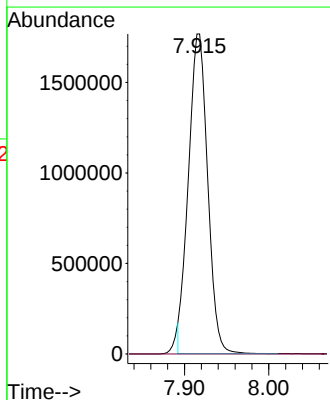
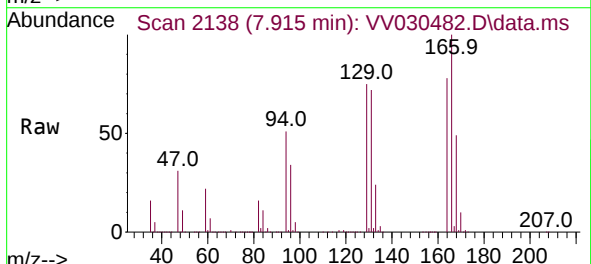
Ion	Ratio	Lower	Upper
164	100		
129	94.9	60.8	112.8
131	91.3	61.7	114.7
166	128.5	85.6	159.0

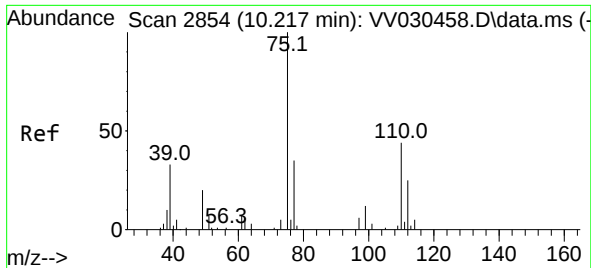


#49
Dibromochloromethane
Concen: 333.463 ug/L
RT: 7.915 min Scan# 2138
Delta R.T. -0.270 min
Lab File: VV030482.D
Acq: 10 Apr 2023 21:02

Tgt Ion:129 Resp: 2781414

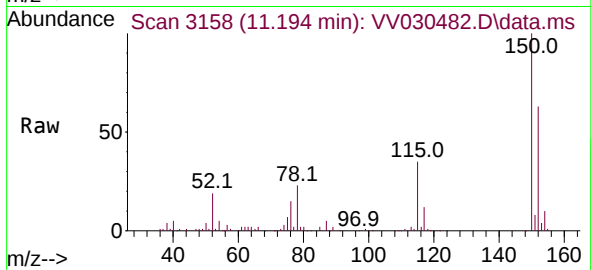
Ion	Ratio	Lower	Upper
129	100		
127	0.0	52.7	97.9#





#61
 1,2,3-Trichloropropane
 Concen: 1.295 ug/L
 RT: 11.194 min Scan# 31
 Delta R.T. 0.977 min
 Lab File: VV030482.D
 Acq: 10 Apr 2023 21:02

Instrument :
 MSVOA_V
 ClientSampleId :
 BHDY6



Tgt Ion: 75 Resp: 6120
 Ion Ratio Lower Upper
 75 100
 77 34.2 26.0 39.0
 110 4.0 31.6 47.4#

