

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041323\
 Data File : VW030551.D
 Acq On : 13 Apr 2023 17:34
 Operator : SY/MD
 Sample : 02250-04DL 2X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHD5DL

Quant Time: Apr 14 05:23:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Apr 14 05:16:37 2023
 Response via : Initial Calibration

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

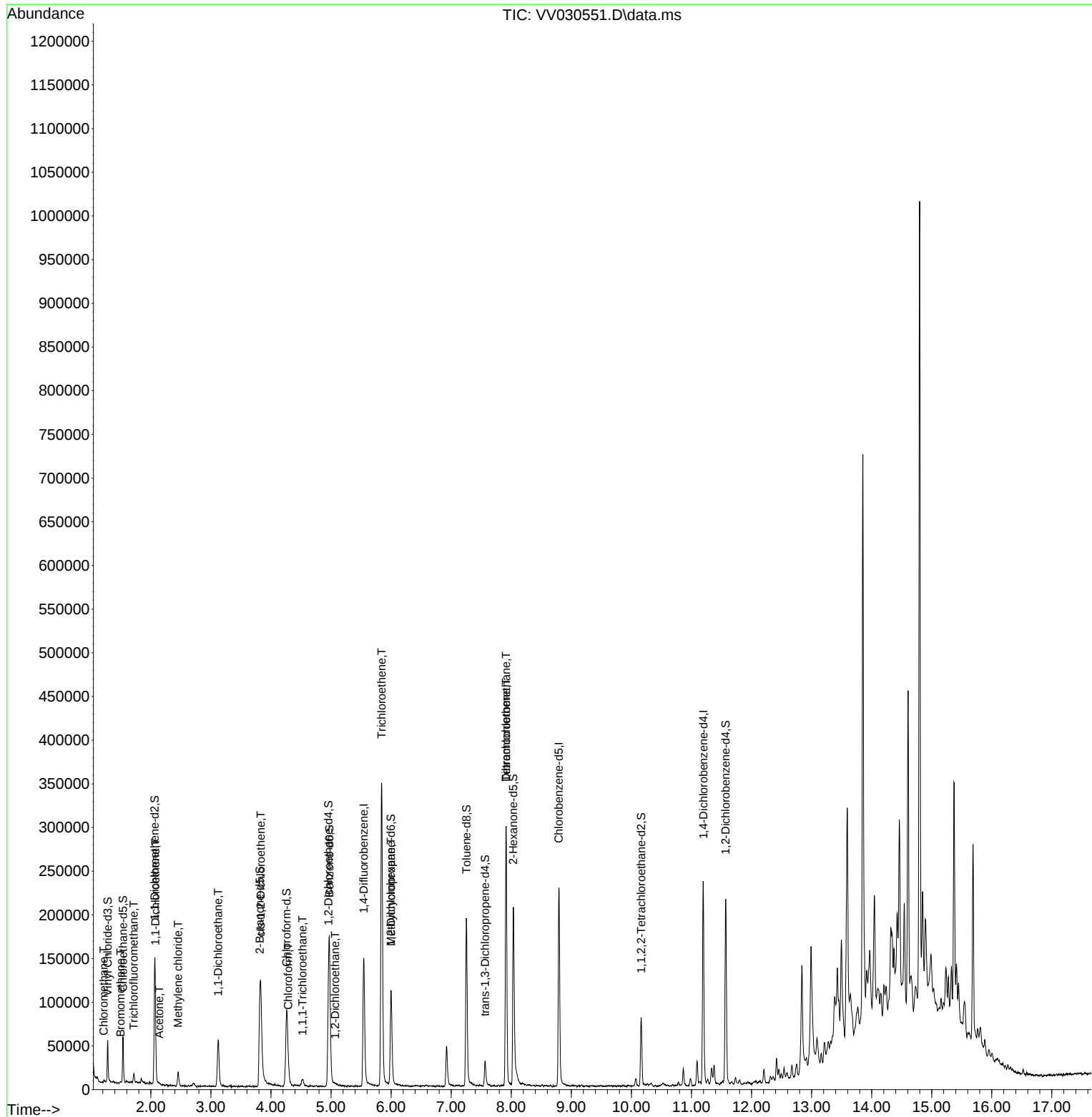
Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	125392	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	124984	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.198	152	60988	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	31694	3.816	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.400%
7) Chloroethane-d5	1.536	69	31610	3.922	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	78.400%
11) 1,1-Dichloroethene-d2	2.063	63	66565	3.378	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.600%
20) 2-Butanone-d5	3.812	46	94750	44.141	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.280%
24) Chloroform-d	4.259	84	84550	4.206	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.200%
26) 1,2-Dichloroethane-d4	4.957	65	45240	4.770	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.400%
32) Benzene-d6	4.973	84	146509	4.160	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.200%
36) 1,2-Dichloropropane-d6	5.998	67	49099	4.453	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.000%
41) Toluene-d8	7.252	98	127855	3.953	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.000%
43) trans-1,3-Dichloroprop...	7.564	79	15785	3.802	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.000%
46) 2-Hexanone-d5	8.034	63	70880	42.489	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.980%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	36407	4.189	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.800%
66) 1,2-Dichlorobenzene-d4	11.571	152	51196	4.697	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.000%
Target Compounds						Qvalue
3) Chloromethane	1.217	50	2242	0.111	ug/L	94
6) Bromomethane	1.494	94	532	0.127	ug/L	79
9) Trichlorofluoromethane	1.716	101	5655	0.265	ug/L	97
12) 1,1-Dichloroethene	2.076	96	16585	1.583	ug/L #	73
13) Acetone	2.140	43	4260	2.075	ug/L	80
16) Methylene chloride	2.455	84	6398	0.516	ug/L	94
19) 1,1-Dichloroethane	3.121	63	51720	2.417	ug/L	98
22) cis-1,2-Dichloroethene	3.828	96	44866	4.050	ug/L	100
25) Chloroform	4.288	83	10839	0.501	ug/L	99
27) 1,2-Dichloroethane	5.069	62	1272	0.097	ug/L #	60
29) 1,1,1-Trichloroethane	4.526	97	5802	0.289	ug/L #	88
34) Trichloroethene	5.841	95	118603	9.906	ug/L	98
35) Methylcyclohexane	5.998	83	12255	0.652	ug/L #	17
47) Tetrachloroethene	7.915	164	64918	6.144	ug/L	96
49) Dibromochloromethane	7.915	129	55804	5.842	ug/L #	12

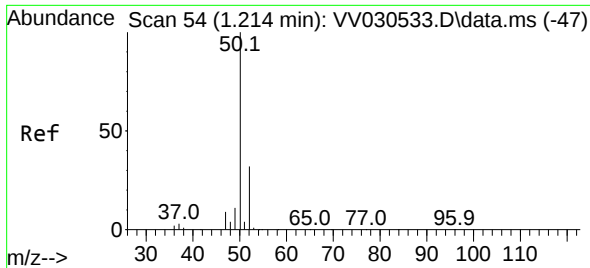
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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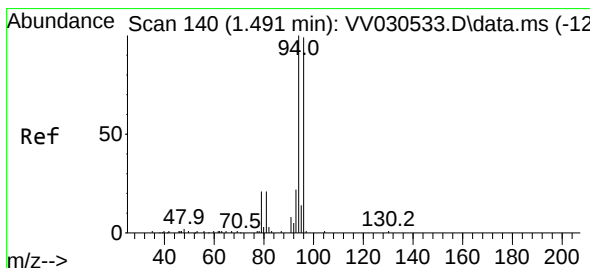
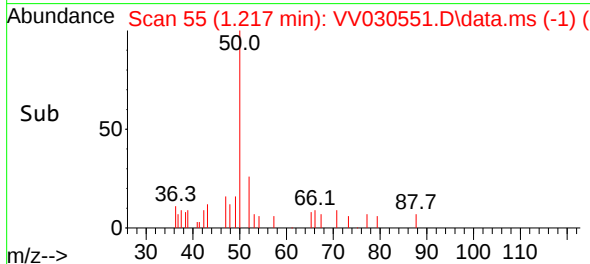
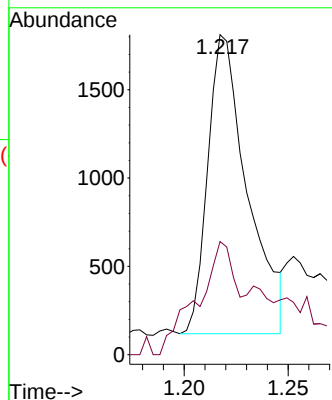
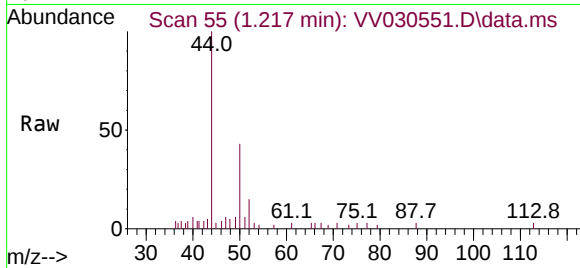




#3
Chloromethane
Concen: 0.111 ug/L
RT: 1.217 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV030551.D
Acq: 13 Apr 2023 17:34

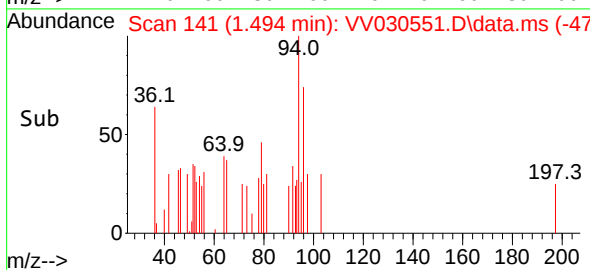
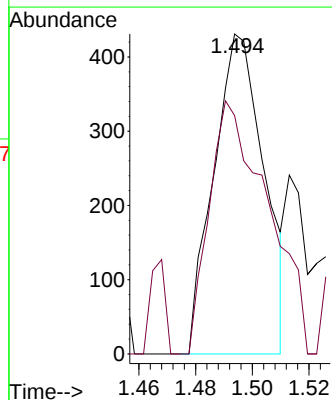
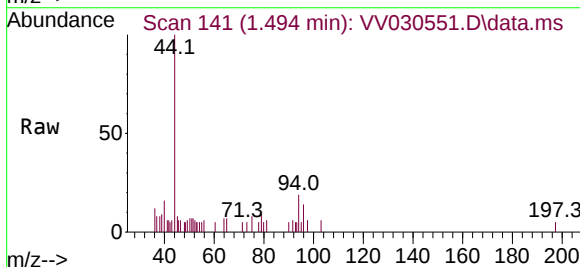
Instrument :
MSVOA_V
ClientSampleId :
BHD5DL

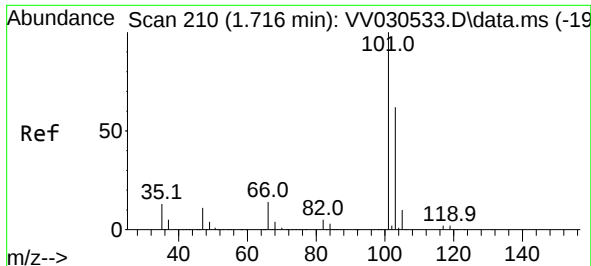
Tgt Ion: 50 Resp: 2242
Ion Ratio Lower Upper
50 100
52 35.4 22.3 41.5



#6
Bromomethane
Concen: 0.127 ug/L
RT: 1.494 min Scan# 141
Delta R.T. 0.003 min
Lab File: VV030551.D
Acq: 13 Apr 2023 17:34

Tgt Ion: 94 Resp: 532
Ion Ratio Lower Upper
94 100
96 74.5 66.1 122.7

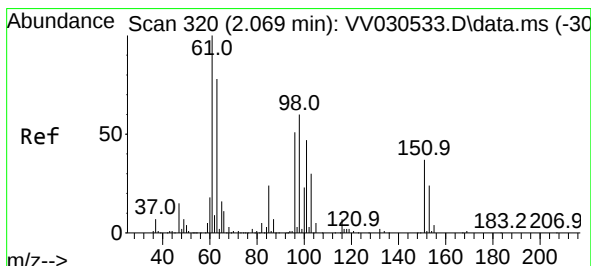
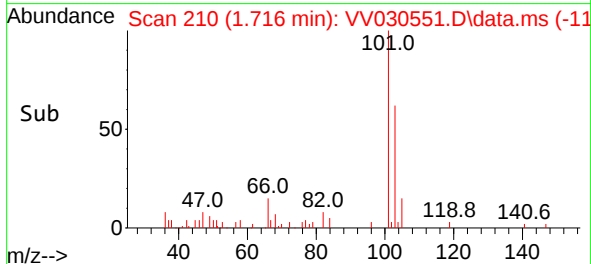
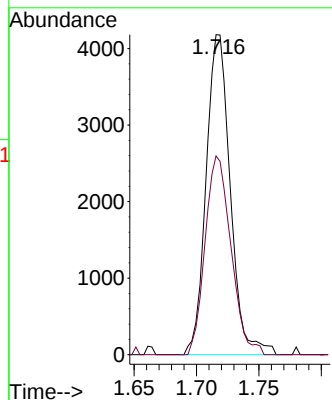
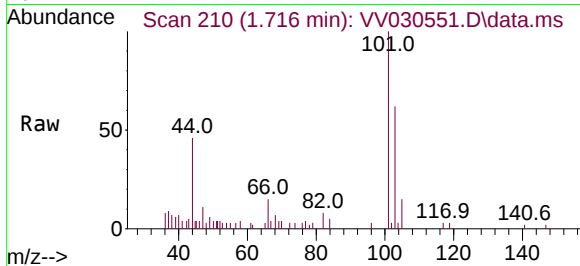




#9
 Trichlorofluoromethane
 Concen: 0.265 ug/L
 RT: 1.716 min Scan# 210
 Delta R.T. -0.000 min
 Lab File: VV030551.D
 Acq: 13 Apr 2023 17:34

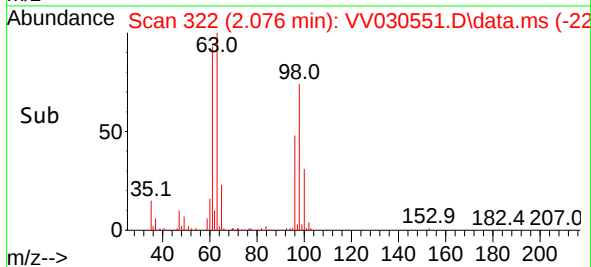
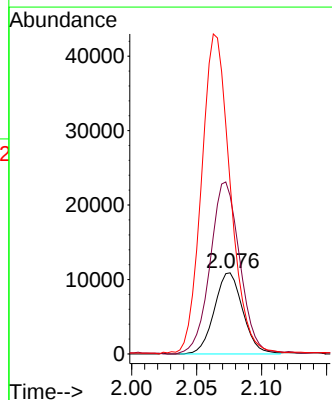
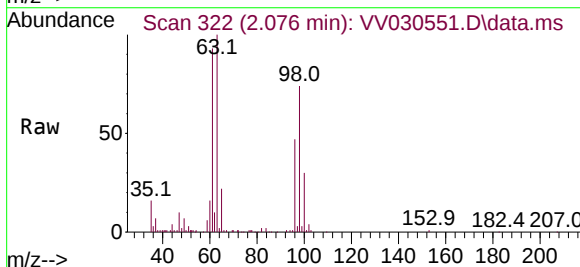
Instrument :
 MSVOA_V
 ClientSampleId :
 BHD5DL

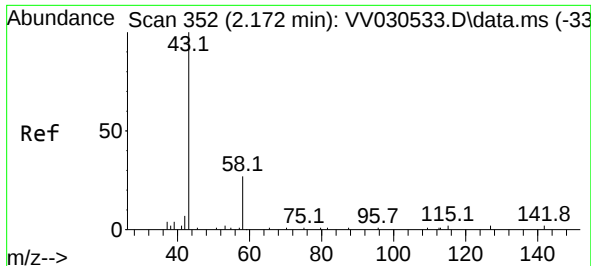
Tgt Ion:101 Resp: 5655
 Ion Ratio Lower Upper
 101 100
 103 66.3 51.0 76.6



#12
 1,1-Dichloroethene
 Concen: 1.583 ug/L
 RT: 2.076 min Scan# 322
 Delta R.T. 0.006 min
 Lab File: VV030551.D
 Acq: 13 Apr 2023 17:34

Tgt Ion: 96 Resp: 16585
 Ion Ratio Lower Upper
 96 100
 61 195.2 136.3 253.1
 63 210.7 92.1 171.1#





#13

Acetone

Concen: 2.075 ug/L

RT: 2.140 min Scan# 34

Delta R.T. -0.032 min

Lab File: VV030551.D

Acq: 13 Apr 2023 17:34

Instrument :

MSVOA_V

ClientSampleId :

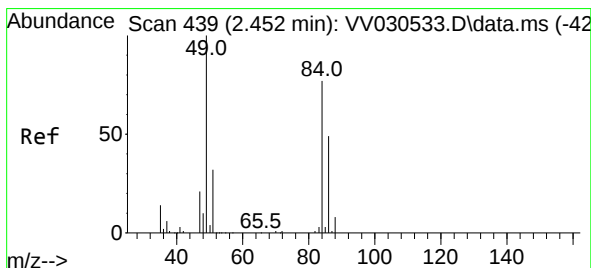
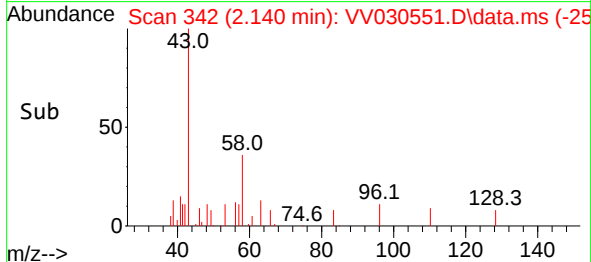
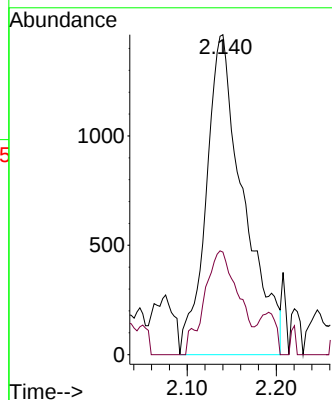
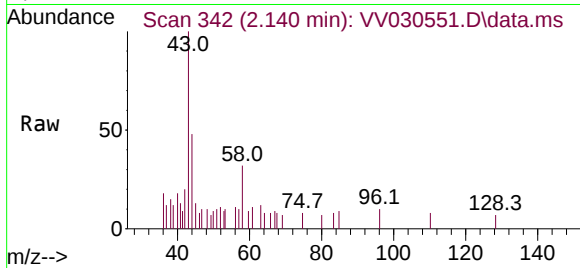
BHDX5DL

Tgt Ion: 43 Resp: 4260

Ion Ratio Lower Upper

43 100

58 29.8 0.0 40.8



#16

Methylene chloride

Concen: 0.516 ug/L

RT: 2.455 min Scan# 440

Delta R.T. 0.003 min

Lab File: VV030551.D

Acq: 13 Apr 2023 17:34

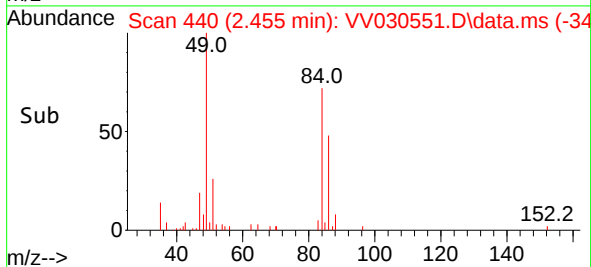
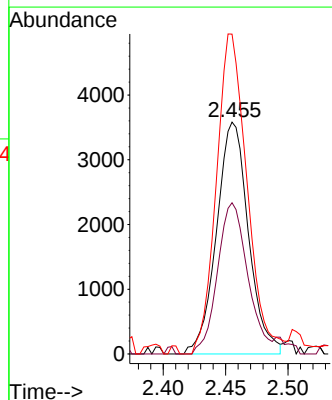
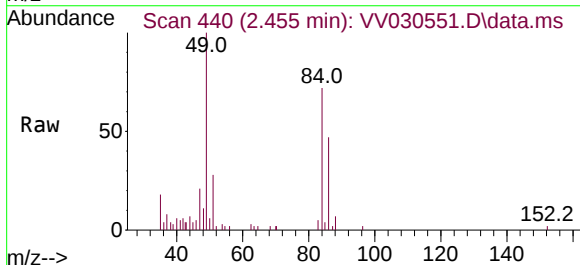
Tgt Ion: 84 Resp: 6398

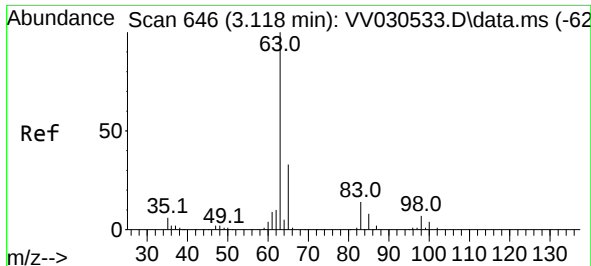
Ion Ratio Lower Upper

84 100

86 65.2 44.0 81.6

49 137.9 90.6 168.3





#19

1,1-Dichloroethane

Concen: 2.417 ug/L

RT: 3.121 min Scan# 646

Delta R.T. 0.003 min

Lab File: VV030551.D

Acq: 13 Apr 2023 17:34

Instrument :

MSVOA_V

ClientSampleId :

BHDX5DL

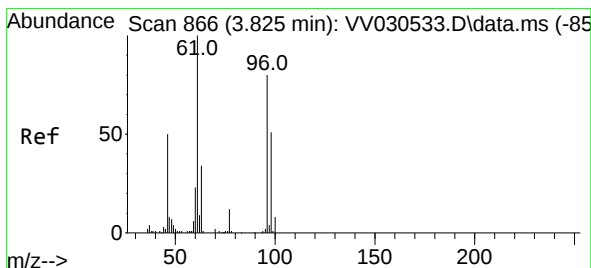
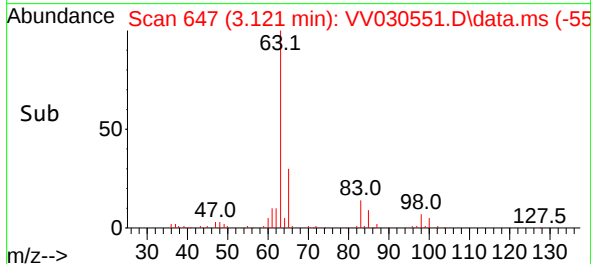
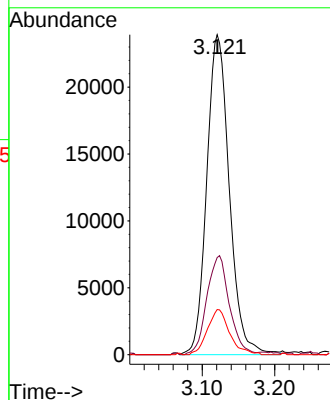
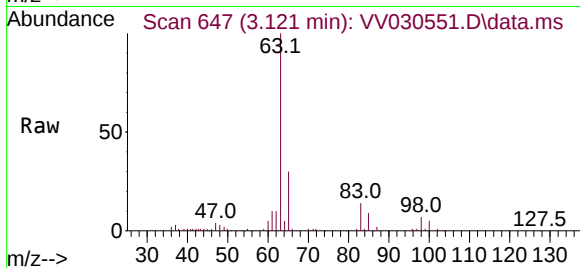
Tgt Ion: 63 Resp: 51720

Ion Ratio Lower Upper

63 100

65 30.4 21.7 40.3

83 14.1 9.1 16.9



#22

cis-1,2-Dichloroethene

Concen: 4.050 ug/L

RT: 3.828 min Scan# 867

Delta R.T. 0.003 min

Lab File: VV030551.D

Acq: 13 Apr 2023 17:34

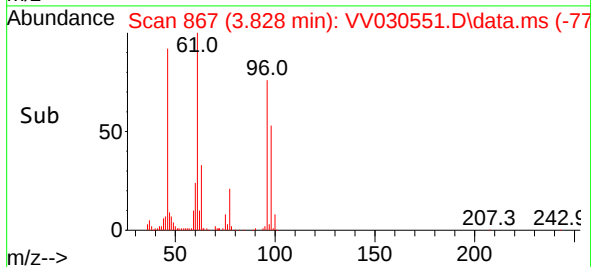
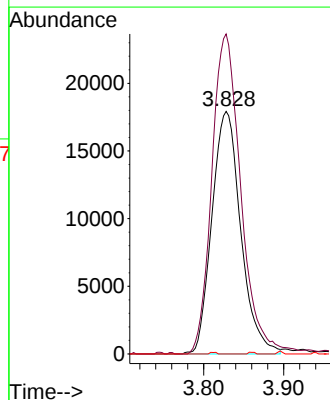
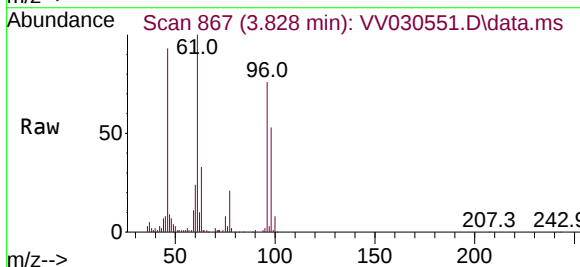
Tgt Ion: 96 Resp: 44866

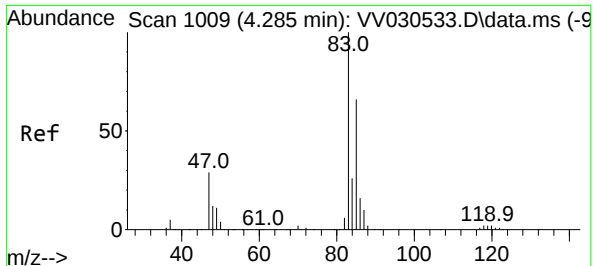
Ion Ratio Lower Upper

96 100

61 131.9 92.0 170.8

68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.501 ug/L

RT: 4.288 min Scan# 1009

Delta R.T. 0.003 min

Lab File: VV030551.D

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MSVOA_V

ClientSampleId :

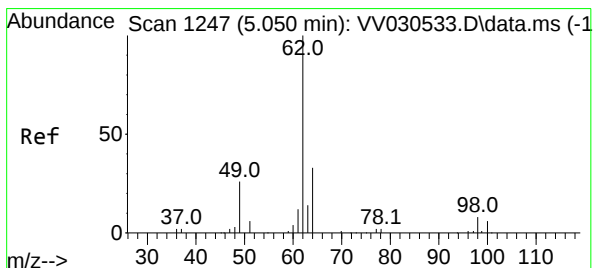
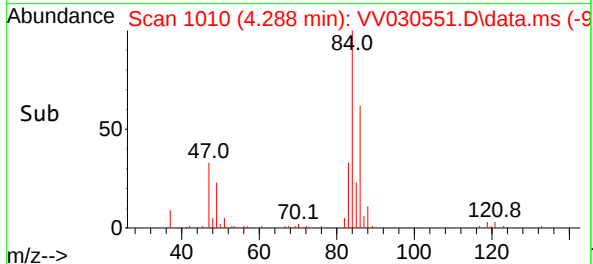
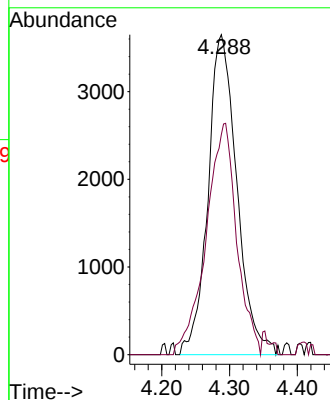
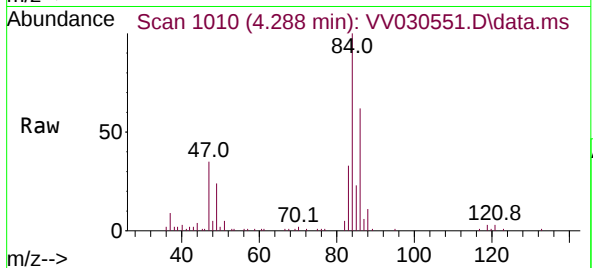
BHDX5DL

Tgt Ion: 83 Resp: 10839

Ion Ratio Lower Upper

83 100

85 68.7 47.6 88.4



#27

1,2-Dichloroethane

Concen: 0.097 ug/L

RT: 5.069 min Scan# 1253

Delta R.T. 0.019 min

Lab File: VV030551.D

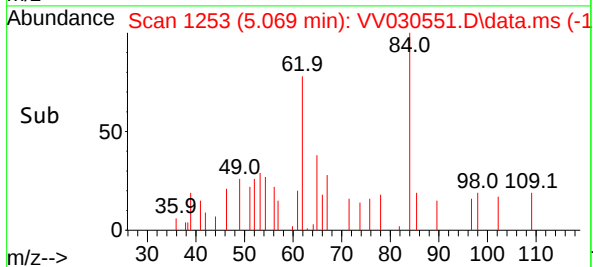
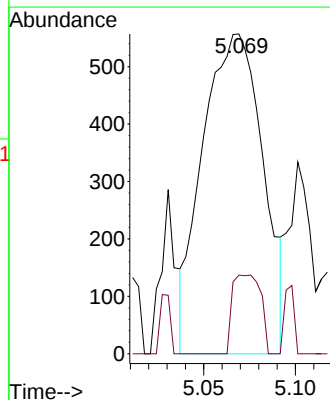
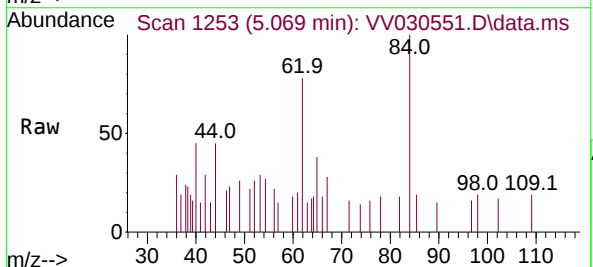
Acq: 13 Apr 2023 17:34

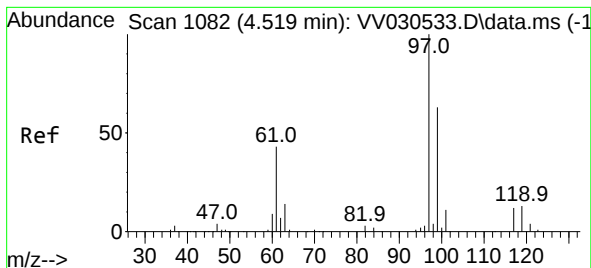
Tgt Ion: 62 Resp: 1272

Ion Ratio Lower Upper

62 100

98 24.6 7.8 11.8#





#29

1,1,1-Trichloroethane

Concen: 0.289 ug/L

RT: 4.526 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV030551.D

Acq: 13 Apr 2023 17:34

Instrument :

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BHDX5DL

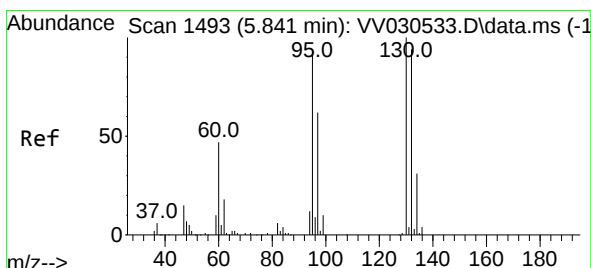
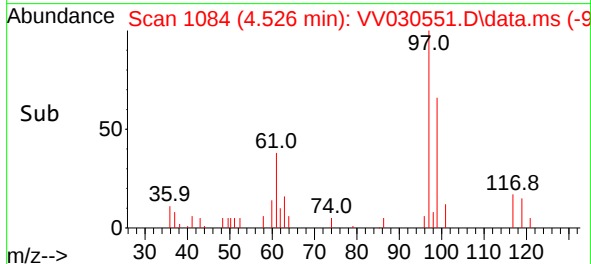
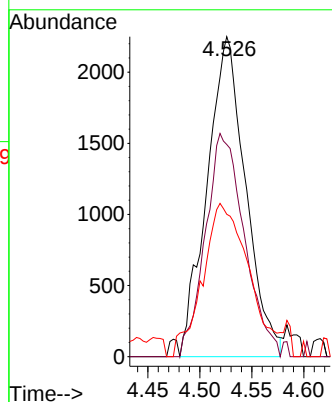
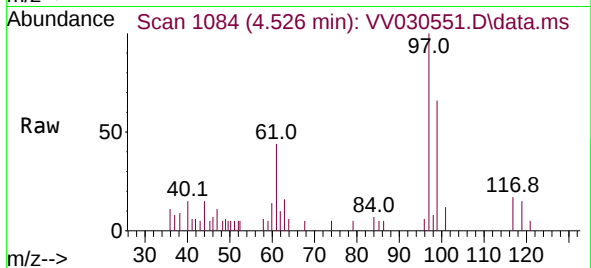
Tgt Ion: 97 Resp: 5802

Ion Ratio Lower Upper

97 100

99 70.5 50.9 76.3

61 56.4 35.9 53.9#



#34

Trichloroethene

Concen: 9.906 ug/L

RT: 5.841 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VV030551.D

Acq: 13 Apr 2023 17:34

Tgt Ion: 95 Resp: 118603

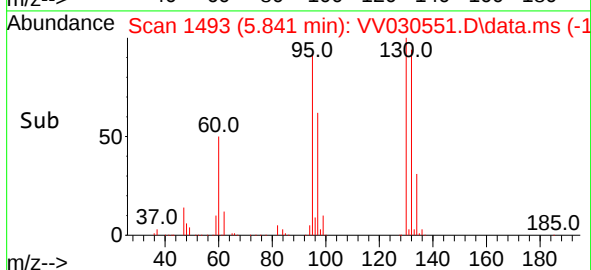
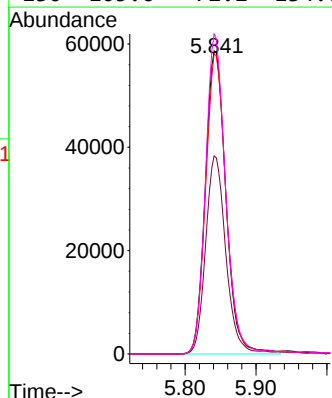
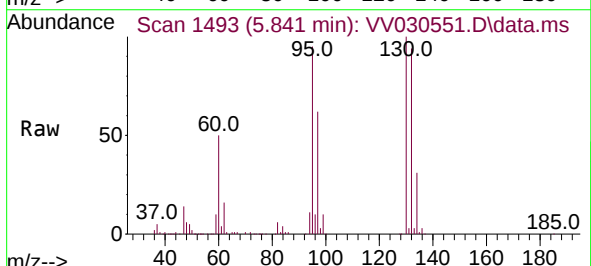
Ion Ratio Lower Upper

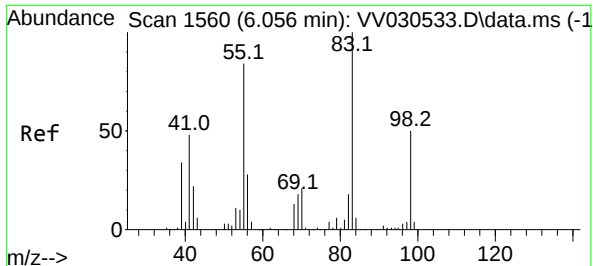
95 100

97 65.4 44.2 82.2

132 99.0 69.5 129.1

130 105.6 72.2 134.0

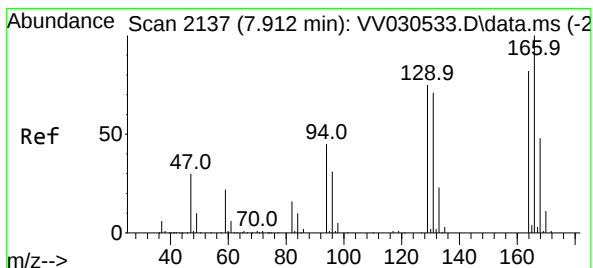
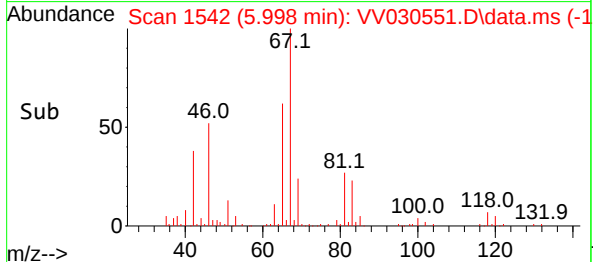
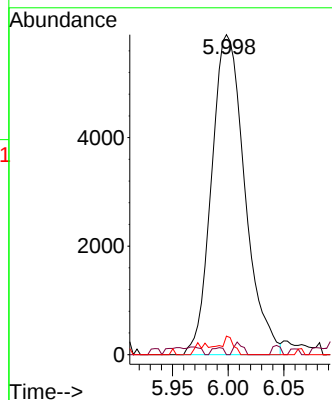
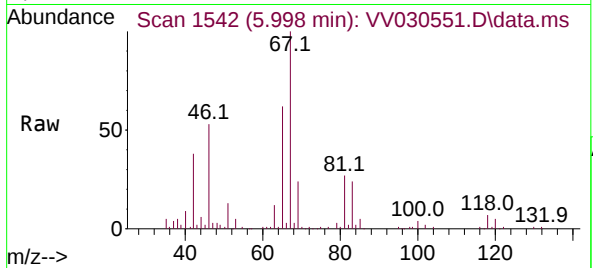




#35
Methylcyclohexane
Concen: 0.652 ug/L
RT: 5.998 min Scan# 11
Delta R.T. -0.058 min
Lab File: VV030551.D
Acq: 13 Apr 2023 17:34

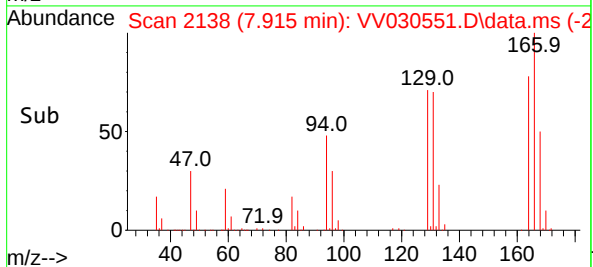
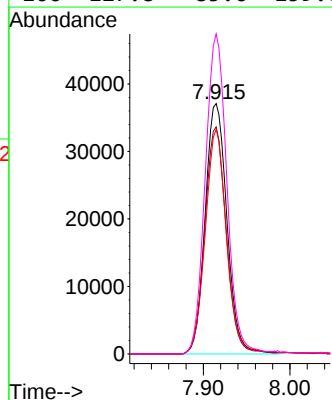
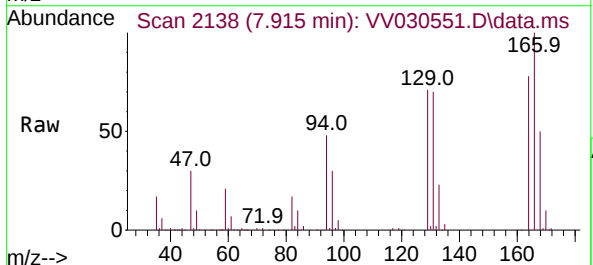
Instrument :
MSVOA_V
ClientSampleId :
BHD5DL

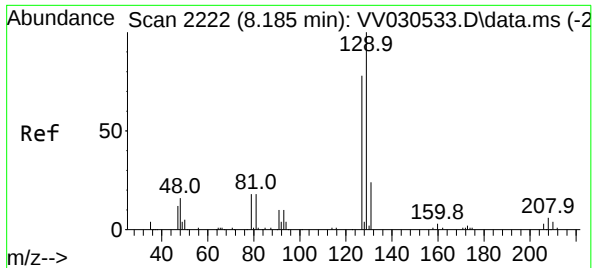
Tgt Ion: 83 Resp: 12255
Ion Ratio Lower Upper
83 100
55 0.7 66.6 100.0#
98 2.2 38.6 58.0#



#47
Tetrachloroethene
Concen: 6.144 ug/L
RT: 7.915 min Scan# 2138
Delta R.T. 0.003 min
Lab File: VV030551.D
Acq: 13 Apr 2023 17:34

Tgt Ion:164 Resp: 64918
Ion Ratio Lower Upper
164 100
129 90.7 60.8 112.8
131 89.7 61.7 114.7
166 127.8 85.6 159.0





#49
 Dibromochloromethane
 Concen: 5.842 ug/L
 RT: 7.915 min Scan# 21
 Delta R.T. -0.270 min
 Lab File: VV030551.D
 Acq: 13 Apr 2023 17:34

Instrument :
 MSVOA_V
 ClientSampleId :
 BHD5DL

Tgt Ion:129 Resp: 55804
 Ion Ratio Lower Upper
 129 100
 127 0.0 52.7 97.9#

