

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041123\
 Data File : VW030489.D
 Acq On : 11 Apr 2023 13:00
 Operator : SY/MD
 Sample : 02194-15DL 20X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHDx2DL

Quant Time: Apr 12 05:01:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Apr 12 05:00:18 2023
 Response via : Initial Calibration

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

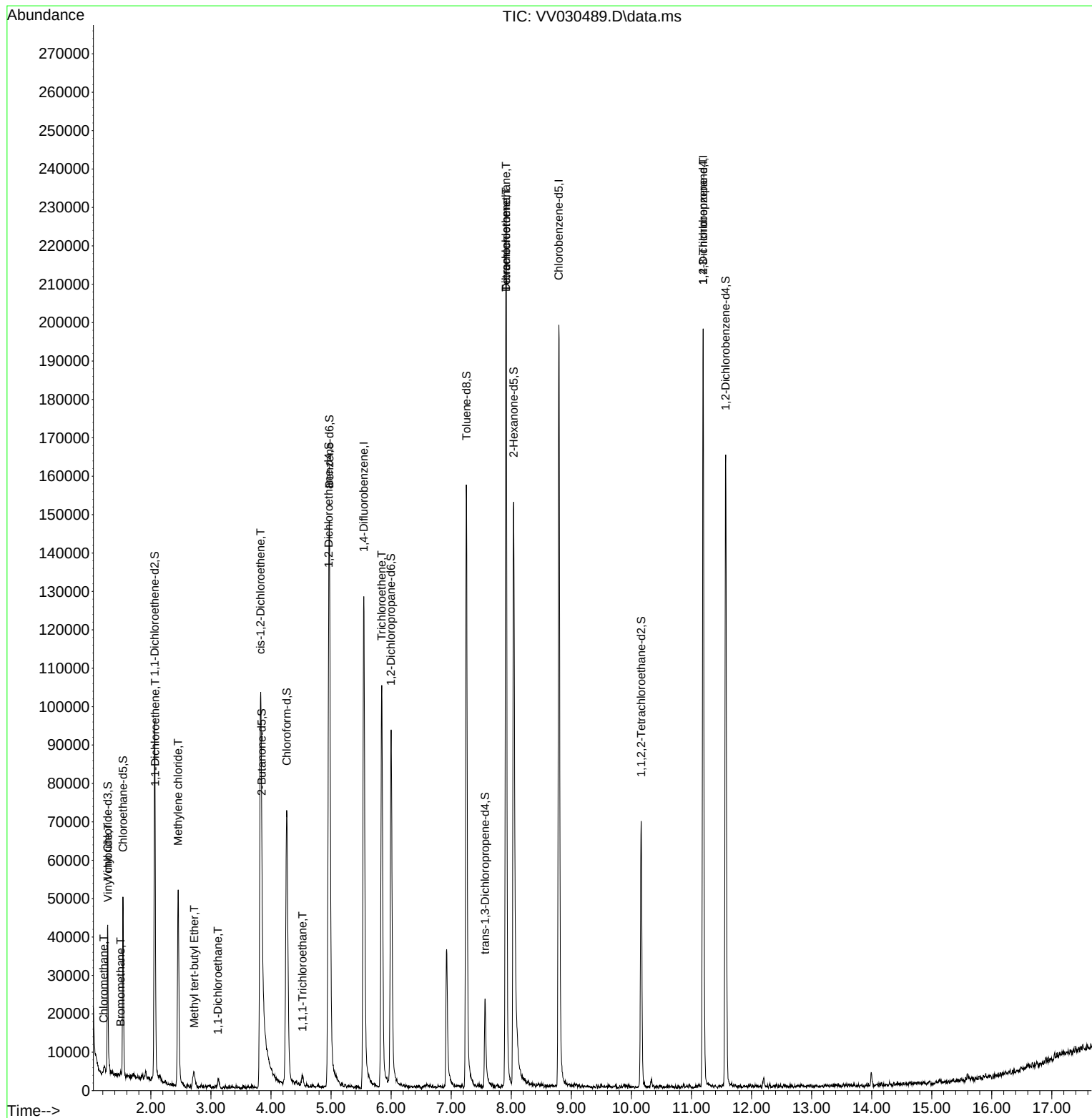
Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	110267	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	109407	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	52657	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	25693	3.518	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	70.400%
7) Chloroethane-d5	1.535	69	28250	3.986	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.800%
11) 1,1-Dichloroethene-d2	2.063	63	49273	2.843	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	56.800%#
20) 2-Butanone-d5	3.847	46	77997	41.320	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	82.640%
24) Chloroform-d	4.262	84	76573	4.332	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.600%
26) 1,2-Dichloroethane-d4	4.960	65	39003	4.677	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.600%
32) Benzene-d6	4.973	84	130043	4.218	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.400%
36) 1,2-Dichloropropane-d6	5.998	67	43778	4.536	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.800%
41) Toluene-d8	7.252	98	109014	3.850	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.000%
43) trans-1,3-Dichloroprop...	7.564	79	13542	3.726	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	74.600%
46) 2-Hexanone-d5	8.040	63	62608	42.874	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.740%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	32180	4.230	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.600%
66) 1,2-Dichlorobenzene-d4	11.570	152	43894	4.664	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.200%
Target Compounds						Qvalue
3) Chloromethane	1.217	50	1755	0.099	ug/L	95
5) Vinyl chloride	1.285	62	1058	0.082	ug/L #	38
6) Bromomethane	1.497	94	307	0.083	ug/L	97
12) 1,1-Dichloroethene	2.072	96	2155	0.234	ug/L #	1
16) Methylene chloride	2.455	84	21442	1.968	ug/L	95
17) Methyl tert-butyl Ether	2.722	73	3301	0.169	ug/L #	93
19) 1,1-Dichloroethane	3.117	63	2147	0.114	ug/L	100
22) cis-1,2-Dichloroethene	3.825	96	49398	5.071	ug/L	90
29) 1,1,1-Trichloroethane	4.522	97	2102	0.120	ug/L #	84
34) Trichloroethene	5.844	95	37253	3.555	ug/L	99
47) Tetrachloroethene	7.915	164	53160	5.747	ug/L	98
49) Dibromochloromethane	7.915	129	46217	5.527	ug/L #	12
61) 1,2,3-Trichloropropane	11.194	75	6028	1.280	ug/L #	65

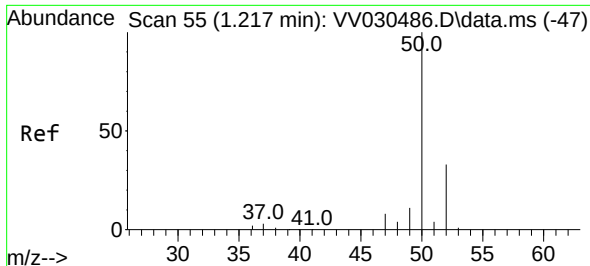
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041123\
Data File : VV030489.D
Acq On : 11 Apr 2023 13:00
Operator : SY/MD
Sample : 02194-15DL 20X
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHDx2DL

Quant Time: Apr 12 05:01:35 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Apr 12 05:00:18 2023
Response via : Initial Calibration

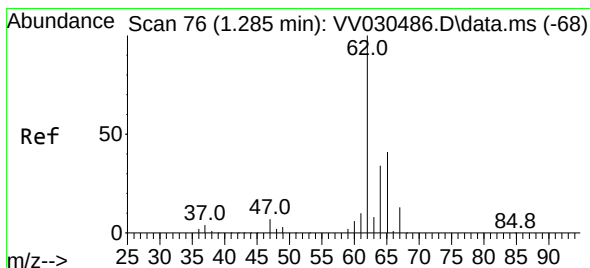
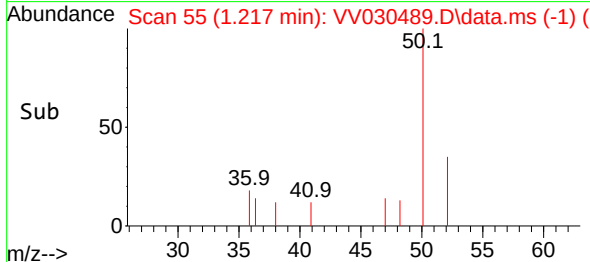
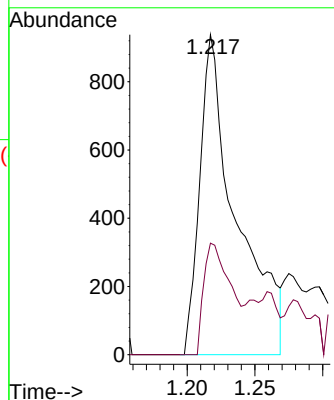
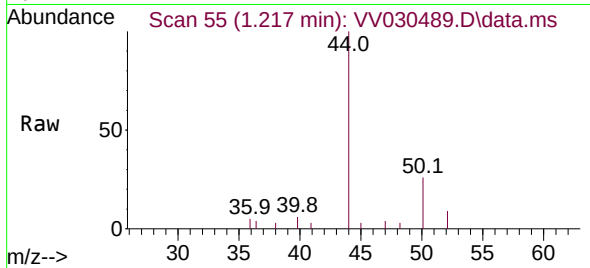




#3
Chloromethane
Concen: 0.099 ug/L
RT: 1.217 min Scan# 51
Delta R.T. -0.000 min
Lab File: VV030489.D
Acq: 11 Apr 2023 13:00

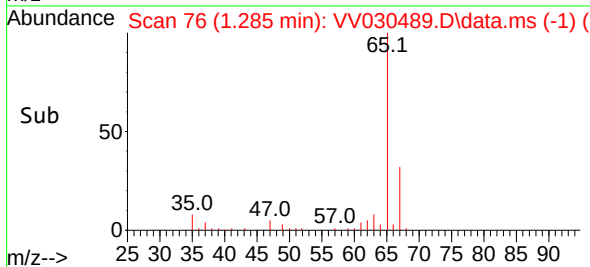
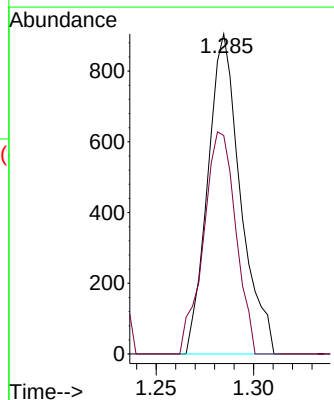
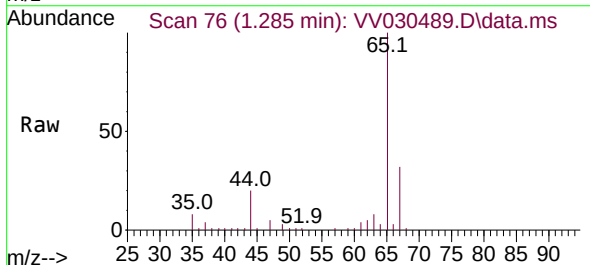
Instrument :
MSVOA_V
ClientSampleId :
BHDx2DL

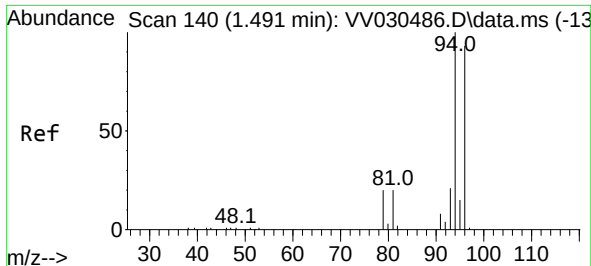
Tgt Ion: 50 Resp: 1755
Ion Ratio Lower Upper
50 100
52 34.9 22.3 41.5



#5
Vinyl chloride
Concen: 0.082 ug/L
RT: 1.285 min Scan# 76
Delta R.T. -0.000 min
Lab File: VV030489.D
Acq: 11 Apr 2023 13:00

Tgt Ion: 62 Resp: 1058
Ion Ratio Lower Upper
62 100
64 68.3 23.2 43.2#

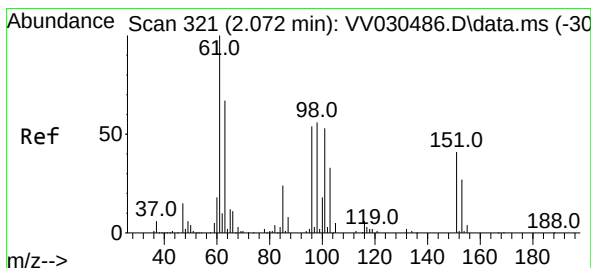
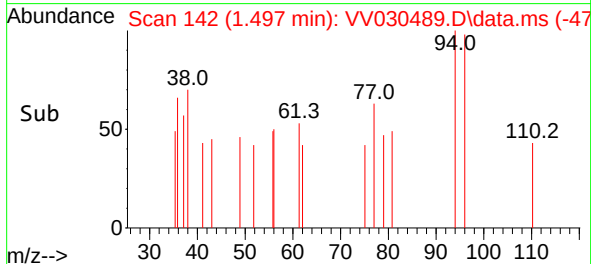
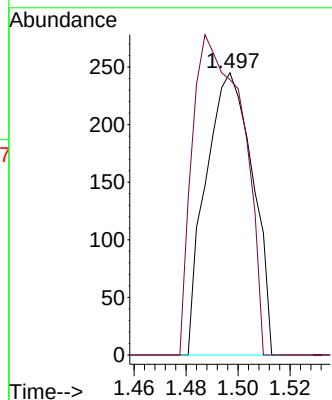
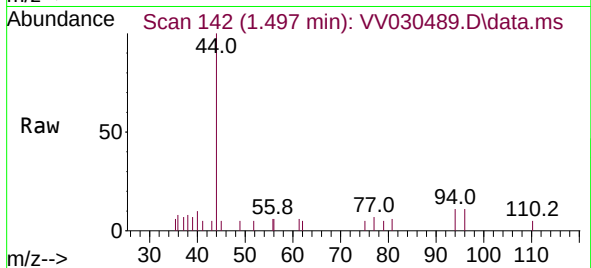




#6
Bromomethane
Concen: 0.083 ug/L
RT: 1.497 min Scan# 140
Delta R.T. 0.006 min
Lab File: VV030489.D
Acq: 11 Apr 2023 13:00

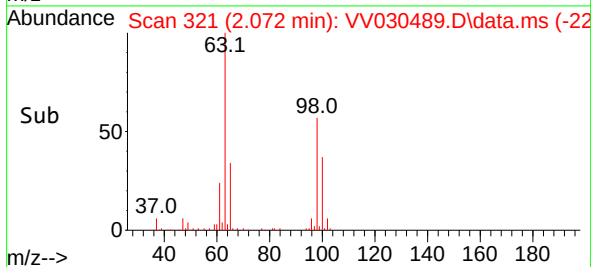
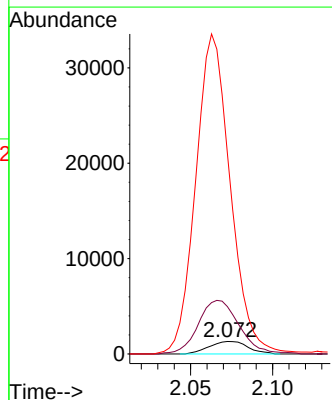
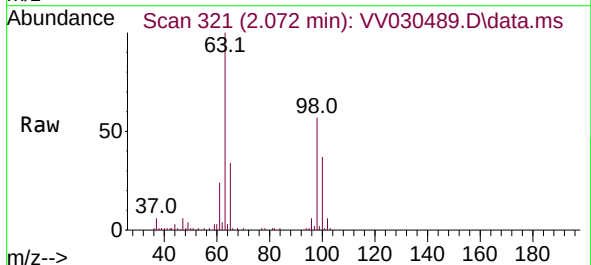
Instrument :
MSVOA_V
ClientSampleId :
BHDx2DL

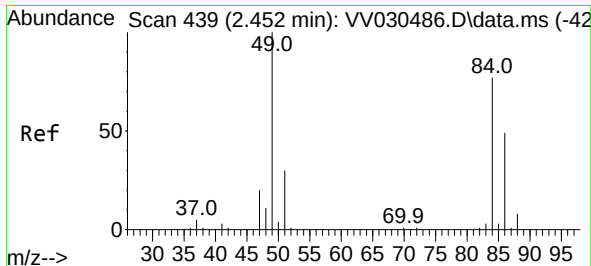
Tgt Ion: 94 Resp: 307
Ion Ratio Lower Upper
94 100
96 97.6 66.1 122.7



#12
1,1-Dichloroethene
Concen: 0.234 ug/L
RT: 2.072 min Scan# 321
Delta R.T. -0.000 min
Lab File: VV030489.D
Acq: 11 Apr 2023 13:00

Tgt Ion: 96 Resp: 2155
Ion Ratio Lower Upper
96 100
61 380.4 136.3 253.1#
63 1607.3 92.1 171.1#

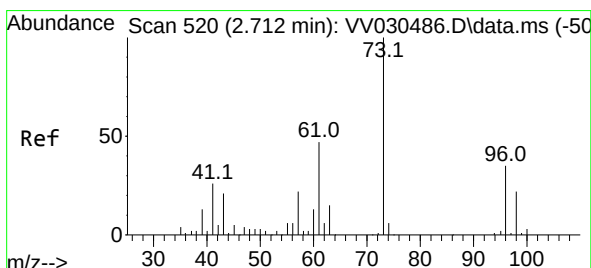
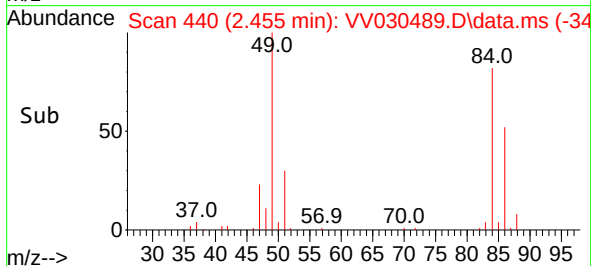
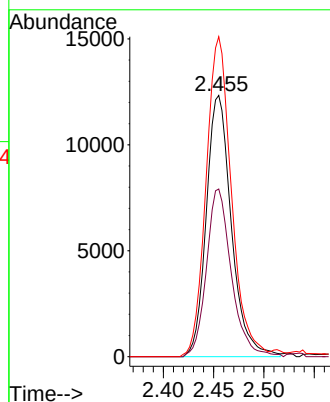
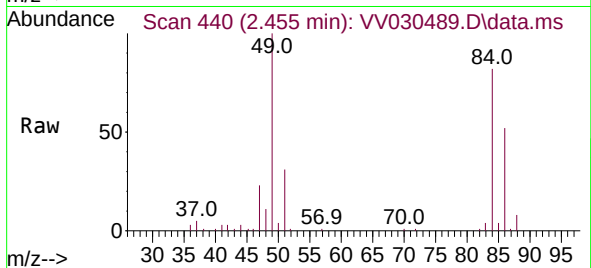




#16
Methylene chloride
Concen: 1.968 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.003 min
Lab File: VV030489.D
Acq: 11 Apr 2023 13:00

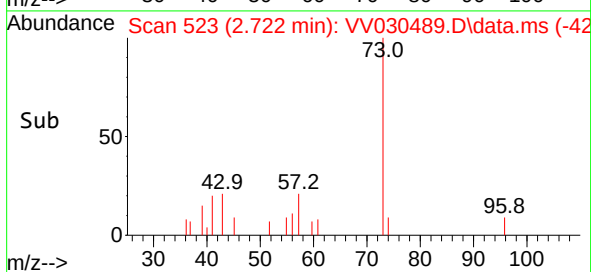
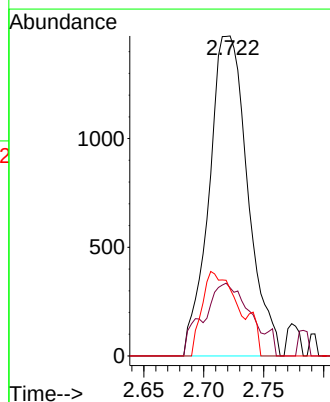
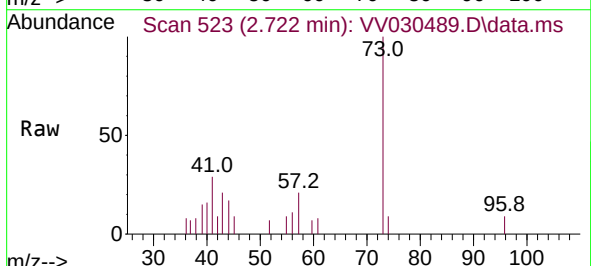
Instrument :
MSVOA_V
ClientSampleId :
BHDx2DL

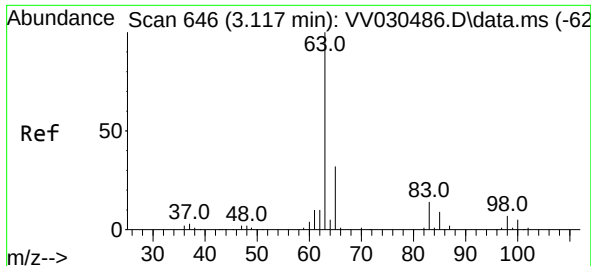
Tgt Ion: 84 Resp: 21442
Ion Ratio Lower Upper
84 100
86 64.2 44.0 81.6
49 122.5 90.6 168.3



#17
Methyl tert-butyl Ether
Concen: 0.169 ug/L
RT: 2.722 min Scan# 523
Delta R.T. 0.010 min
Lab File: VV030489.D
Acq: 11 Apr 2023 13:00

Tgt Ion: 73 Resp: 3301
Ion Ratio Lower Upper
73 100
43 28.1 17.4 26.2#
57 22.5 18.3 27.5





#19

1,1-Dichloroethane

Concen: 0.114 ug/L

RT: 3.117 min Scan# 646

Delta R.T. -0.000 min

Lab File: VV030489.D

Acq: 11 Apr 2023 13:00

Instrument :

MSVOA_V

ClientSampleId :

BHDX2DL

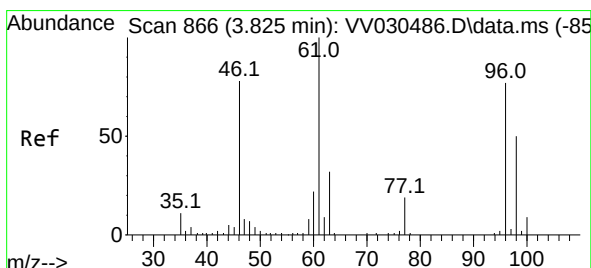
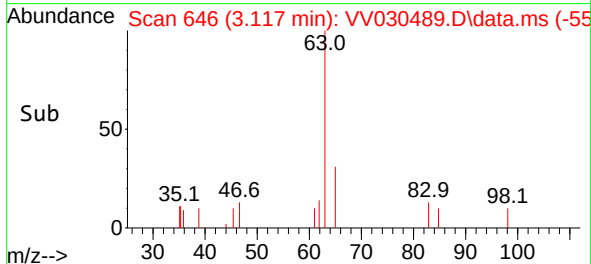
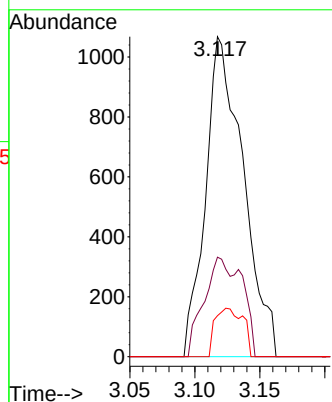
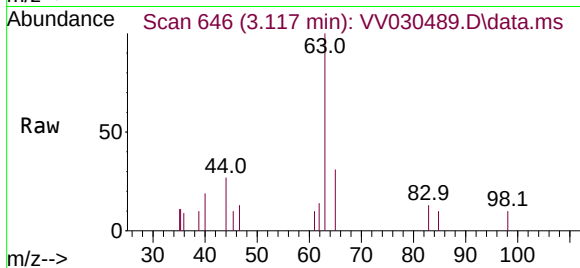
Tgt Ion: 63 Resp: 2147

Ion Ratio Lower Upper

63 100

65 31.1 21.7 40.3

83 12.8 9.1 16.9



#22

cis-1,2-Dichloroethene

Concen: 5.071 ug/L

RT: 3.825 min Scan# 866

Delta R.T. -0.000 min

Lab File: VV030489.D

Acq: 11 Apr 2023 13:00

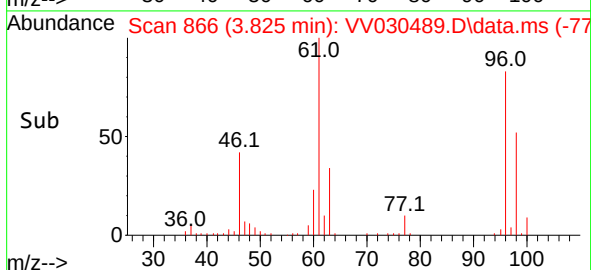
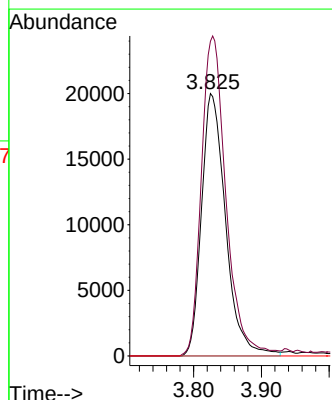
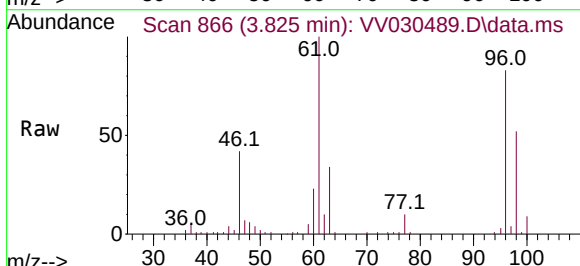
Tgt Ion: 96 Resp: 49398

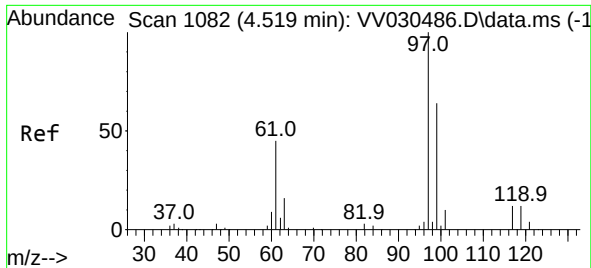
Ion Ratio Lower Upper

96 100

61 120.0 92.0 170.8

68 0.0 0.0 0.0





#29

1,1,1-Trichloroethane

Concen: 0.120 ug/L

RT: 4.522 min Scan# 1082

Delta R.T. 0.003 min

Lab File: VV030489.D

Acq: 11 Apr 2023 13:00

Instrument :

MSVOA_V

ClientSampleId :

BHDX2DL

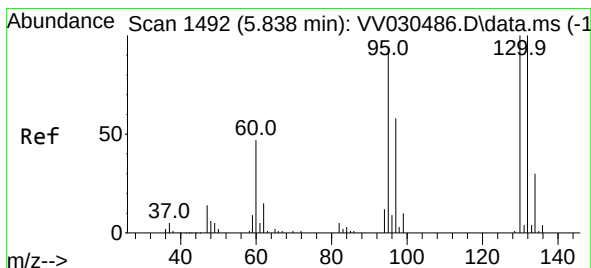
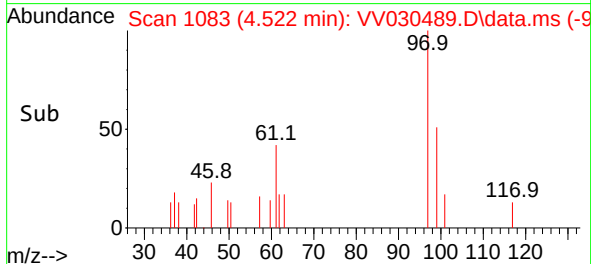
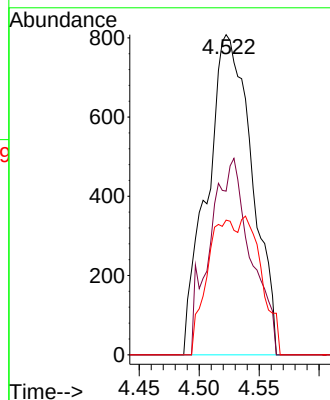
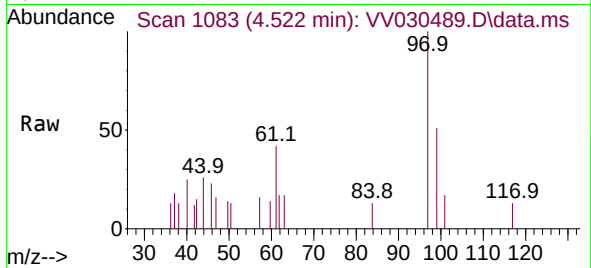
Tgt Ion: 97 Resp: 2102

Ion Ratio Lower Upper

97 100

99 55.9 50.9 76.3

61 28.5 35.9 53.9#



#34

Trichloroethene

Concen: 3.555 ug/L

RT: 5.844 min Scan# 1494

Delta R.T. 0.006 min

Lab File: VV030489.D

Acq: 11 Apr 2023 13:00

Tgt Ion: 95 Resp: 37253

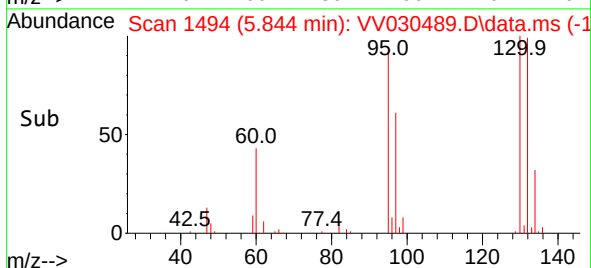
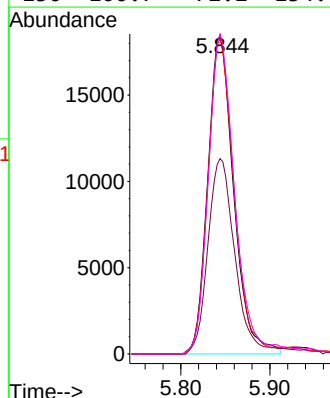
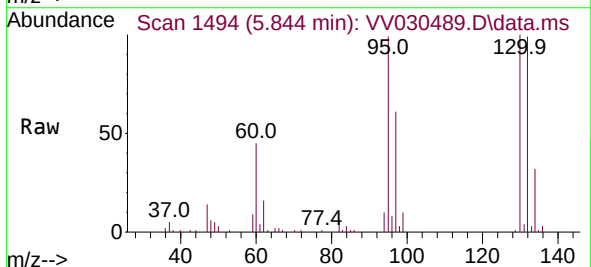
Ion Ratio Lower Upper

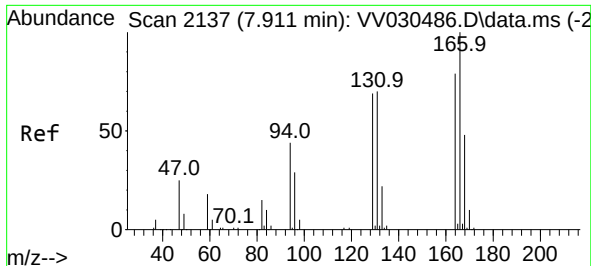
95 100

97 61.5 44.2 82.2

132 99.2 69.5 129.1

130 100.7 72.2 134.0





#47

Tetrachloroethene

Concen: 5.747 ug/L

RT: 7.915 min Scan# 2137

Delta R.T. 0.003 min

Lab File: VV030489.D

Acq: 11 Apr 2023 13:00

Instrument :

MSVOA_V

ClientSampleId :

BHDX2DL

Tgt Ion:164 Resp: 53160

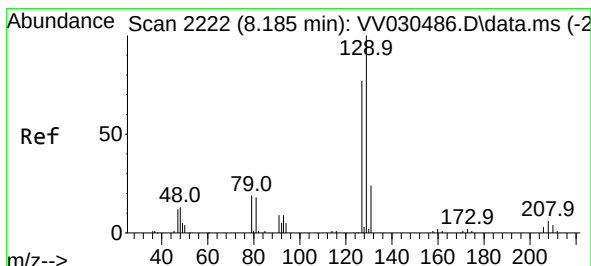
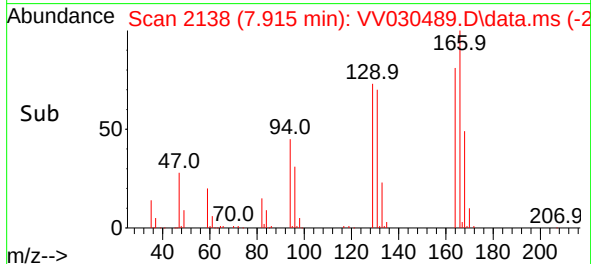
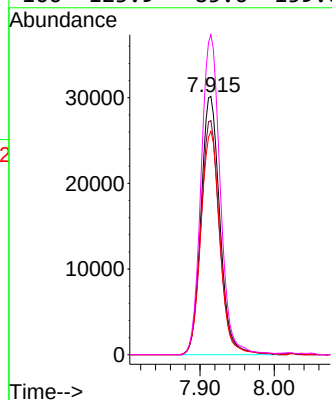
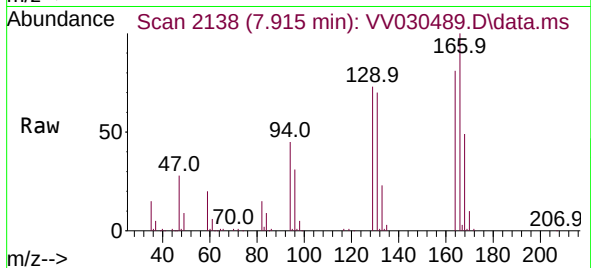
Ion Ratio Lower Upper

164 100

129 90.7 60.8 112.8

131 86.5 61.7 114.7

166 123.9 85.6 159.0



#49

Dibromochloromethane

Concen: 5.527 ug/L

RT: 7.915 min Scan# 2138

Delta R.T. -0.270 min

Lab File: VV030489.D

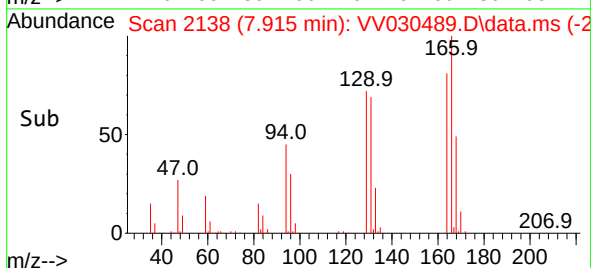
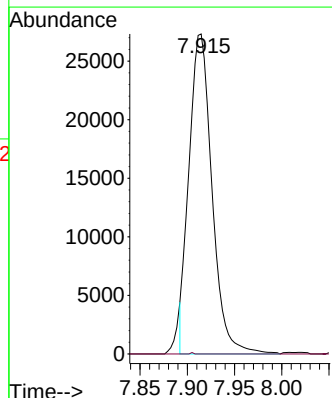
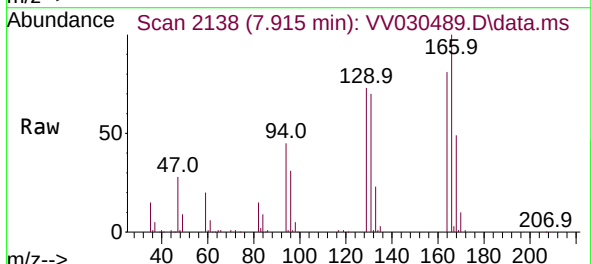
Acq: 11 Apr 2023 13:00

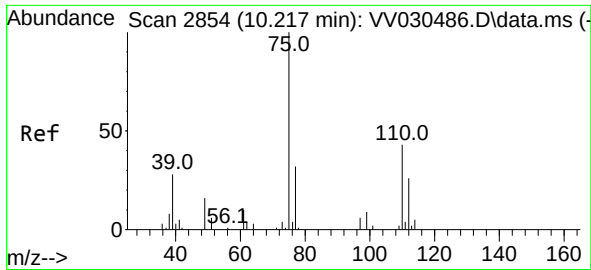
Tgt Ion:129 Resp: 46217

Ion Ratio Lower Upper

129 100

127 0.0 52.7 97.9#





#61
 1,2,3-Trichloropropane
 Concen: 1.280 ug/L
 RT: 11.194 min Scan# 31
 Delta R.T. 0.977 min
 Lab File: VV030489.D
 Acq: 11 Apr 2023 13:00

Instrument :
 MSVOA_V
 ClientSampleId :
 BHDx2DL

Tgt Ion: 75	Resp:	6028
Ion Ratio	Lower	Upper
75	100	
77	36.2	26.0 39.0
110	3.3	31.6 47.4#

