

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082423\
 Data File : VV031920.D
 Acq On : 24 Aug 2023 19:35
 Operator : SY/MD
 Sample : 04153-02
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 70 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BH460

Quant Time: Aug 25 01:01:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR082323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Aug 25 00:56:34 2023
 Response via : Initial Calibration

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

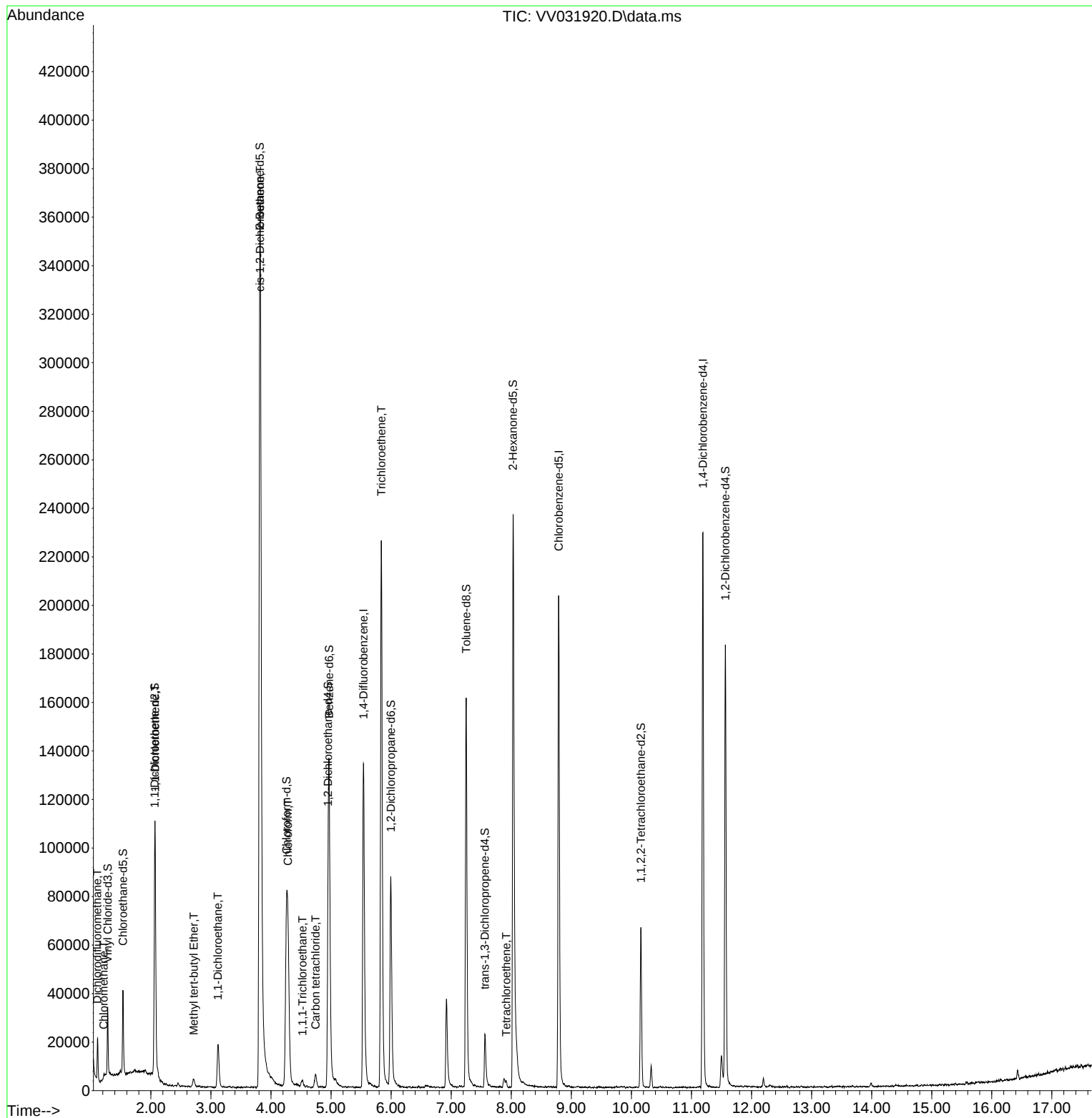
Internal Standards						
1) 1,4-Difluorobenzene	5.538	114	117738	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.789	117	109051	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.191	152	57685	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	16778	4.219	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.400%
7) Chloroethane-d5	1.535	69	21893	4.806	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.200%
11) 1,1-Dichloroethene-d2	2.063	65	10535	4.501	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.000%
20) 2-Butanone-d5	3.812	46	113689	59.061	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.120%
24) Chloroform-d	4.259	84	65551	4.871	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.400%
26) 1,2-Dichloroethane-d4	4.950	65	34139	4.923	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.400%
32) Benzene-d6	4.966	84	121395	4.892	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.800%
36) 1,2-Dichloropropane-d6	5.995	67	43493	4.970	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.400%
41) Toluene-d8	7.249	98	111519	4.843	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.800%
43) trans-1,3-Dichloroprop...	7.561	79	14668	4.597	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.000%
46) 2-Hexanone-d5	8.030	63	93652	55.049	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.100%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	33556	5.345	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.000%
66) 1,2-Dichlorobenzene-d4	11.564	152	44303	4.742	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.800%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.108	85	1880	0.280	ug/L	93
3) Chloromethane	1.217	50	790	0.110	ug/L	95
12) 1,1-Dichloroethene	2.072	96	17954	3.387	ug/L	88
17) Methyl tert-butyl Ether	2.715	73	2927	0.178	ug/L #	88
19) 1,1-Dichloroethane	3.117	63	19161	1.549	ug/L	98
22) cis-1,2-Dichloroethene	3.818	96	179535	25.942	ug/L	100
25) Chloroform	4.281	83	58200	4.614	ug/L	99
29) 1,1,1-Trichloroethane	4.522	97	2313	0.220	ug/L	93
31) Carbon tetrachloride	4.741	117	3791	0.445	ug/L	98
34) Trichloroethene	5.837	95	81876	11.152	ug/L	98
47) Tetrachloroethene	7.918	164	617	0.132	ug/L	84

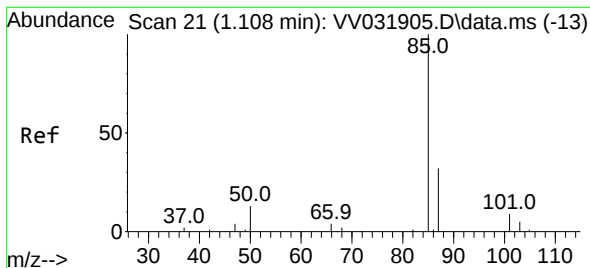
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV082423\
Data File : VV031920.D
Acq On : 24 Aug 2023 19:35
Operator : SY/MD
Sample : 04153-02
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 70 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BH460

Quant Time: Aug 25 01:01:15 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR082323WMA.M
Quant Title : TRACE VOA SFAM1.0
QLast Update : Fri Aug 25 00:56:34 2023
Response via : Initial Calibration

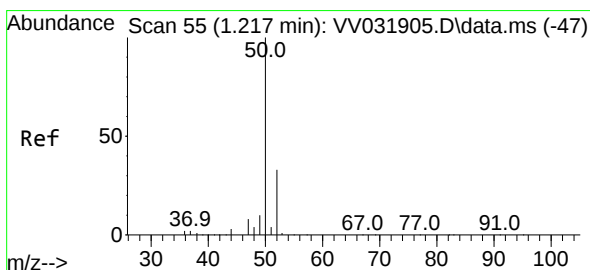
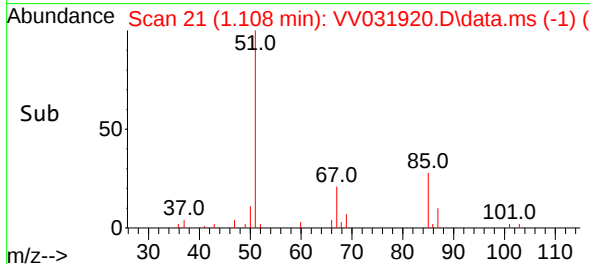
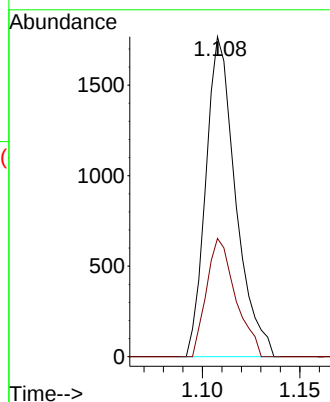
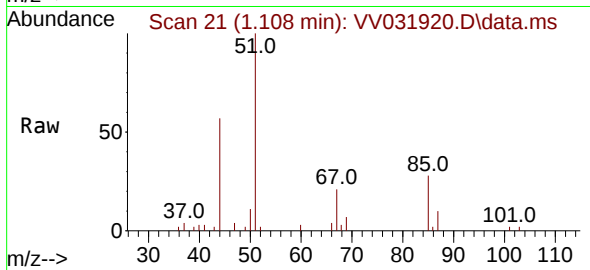




#2
 Dichlorodifluoromethane
 Concen: 0.280 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV031920.D
 Acq: 24 Aug 2023 19:35

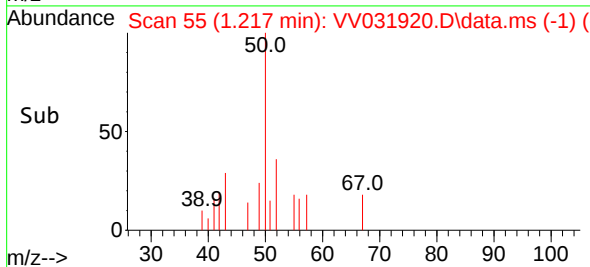
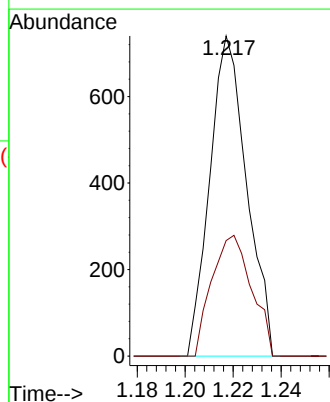
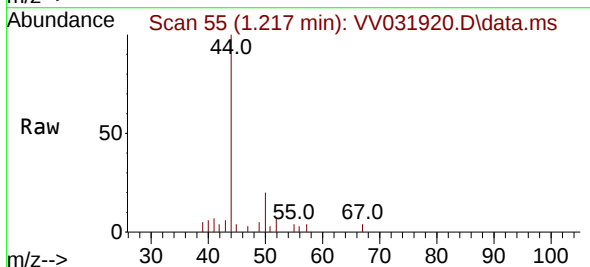
Instrument :
 MSVOA_V
 ClientSampleId :
 BH460

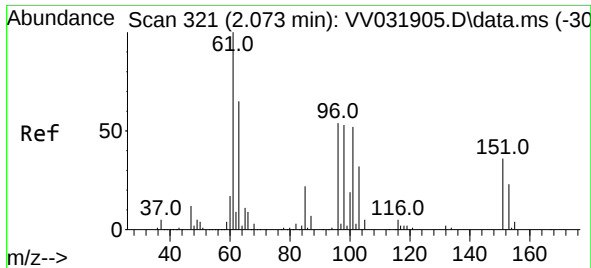
Tgt Ion: 85 Resp: 1880
 Ion Ratio Lower Upper
 85 100
 87 35.9 25.7 38.5



#3
 Chloromethane
 Concen: 0.110 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV031920.D
 Acq: 24 Aug 2023 19:35

Tgt Ion: 50 Resp: 790
 Ion Ratio Lower Upper
 50 100
 52 36.1 23.3 43.3

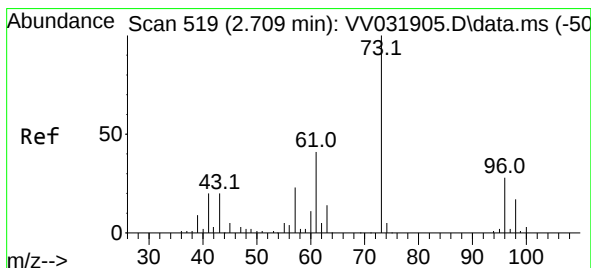
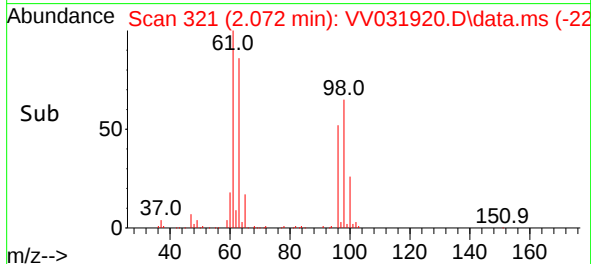
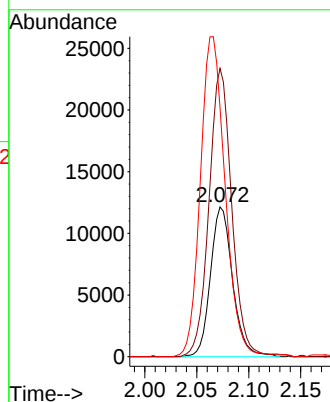
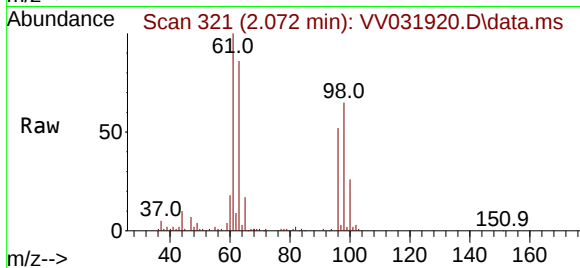




#12
 1,1-Dichloroethene
 Concen: 3.387 ug/L
 RT: 2.072 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV031920.D
 Acq: 24 Aug 2023 19:35

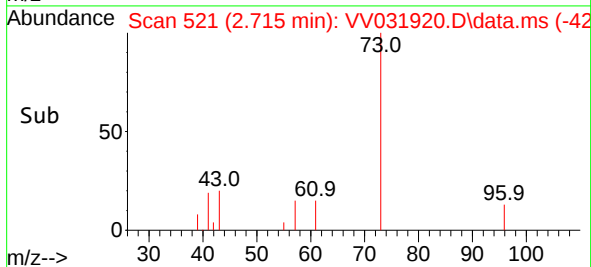
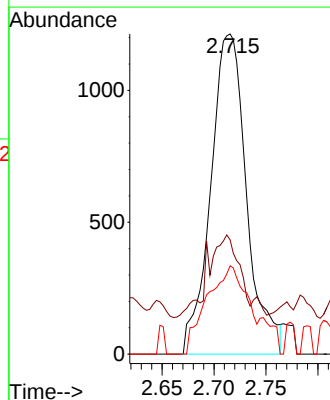
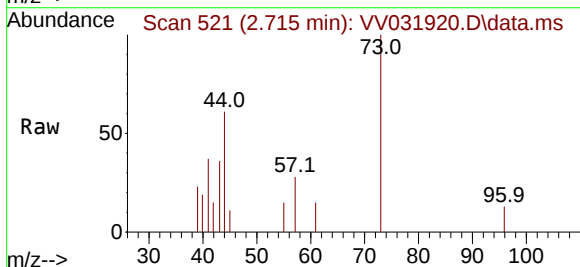
Instrument :
 MSVOA_V
 ClientSampleId :
 BH460

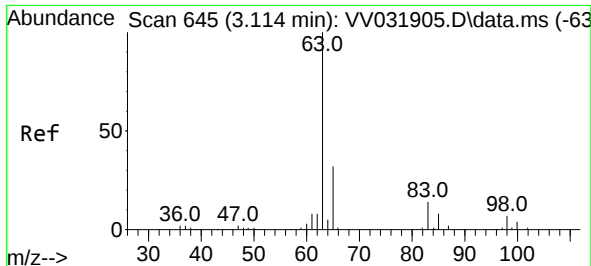
Tgt Ion:	96	Resp:	17954
Ion	Ratio	Lower	Upper
96	100		
61	192.6	129.0	239.6
63	166.2	99.0	183.8



#17
 Methyl tert-butyl Ether
 Concen: 0.178 ug/L
 RT: 2.715 min Scan# 521
 Delta R.T. 0.006 min
 Lab File: VV031920.D
 Acq: 24 Aug 2023 19:35

Tgt Ion:	73	Resp:	2927
Ion	Ratio	Lower	Upper
73	100		
43	22.5	15.6	23.4
57	30.3	17.8	26.8





#19

1,1-Dichloroethane

Concen: 1.549 ug/L

RT: 3.117 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV031920.D

Acq: 24 Aug 2023 19:35

Instrument :

MSVOA_V

ClientSampleId :

BH460

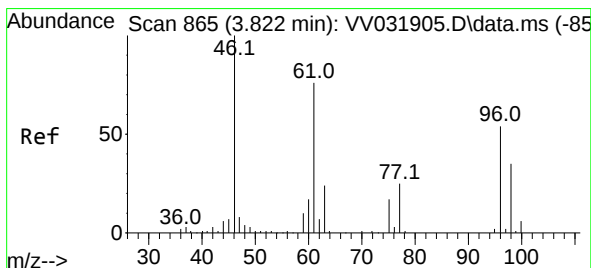
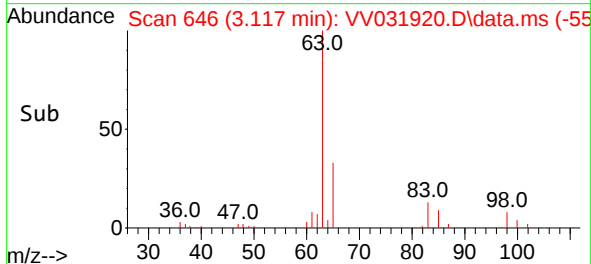
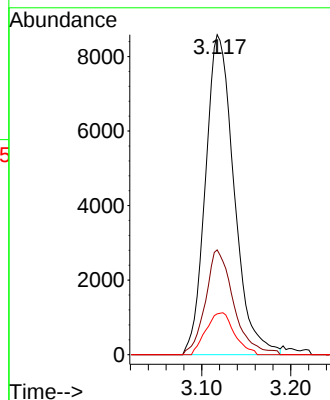
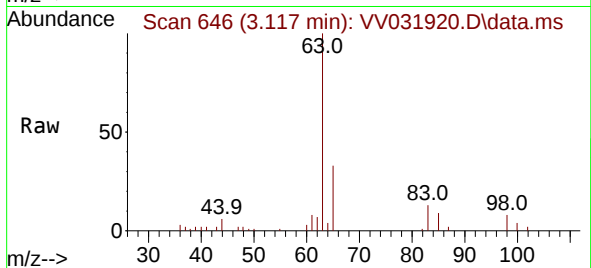
Tgt Ion: 63 Resp: 19161

Ion Ratio Lower Upper

63 100

65 32.7 21.9 40.7

83 12.7 9.2 17.2



#22

cis-1,2-Dichloroethene

Concen: 25.942 ug/L

RT: 3.818 min Scan# 864

Delta R.T. -0.003 min

Lab File: VV031920.D

Acq: 24 Aug 2023 19:35

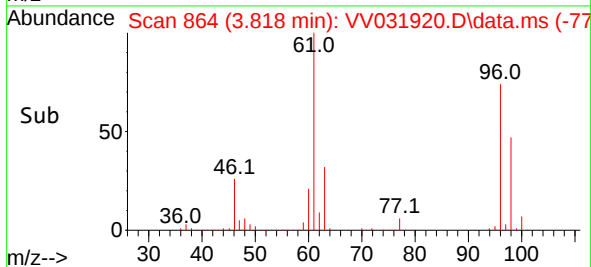
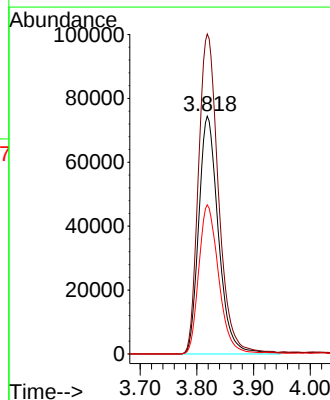
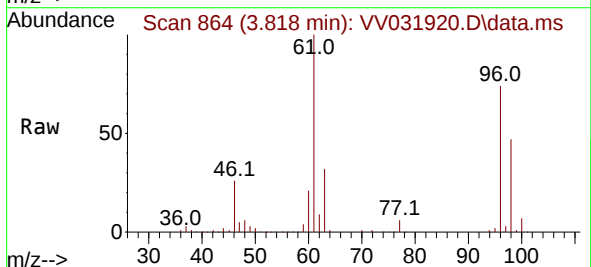
Tgt Ion: 96 Resp: 179535

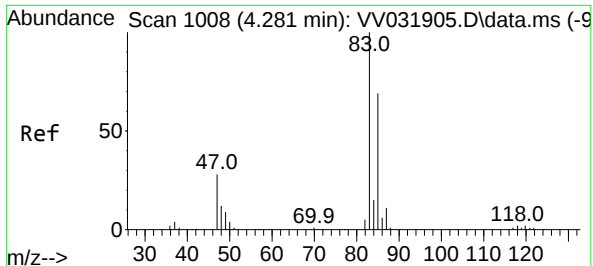
Ion Ratio Lower Upper

96 100

61 134.6 94.1 174.8

98 62.7 43.8 81.4





#25

Chloroform

Concen: 4.614 ug/L

RT: 4.281 min Scan# 1008

Delta R.T. -0.000 min

Lab File: VV031920.D

Acq: 24 Aug 2023 19:35

Instrument :

MSVOA_V

ClientSampleId :

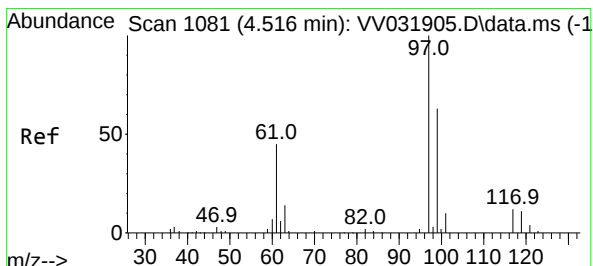
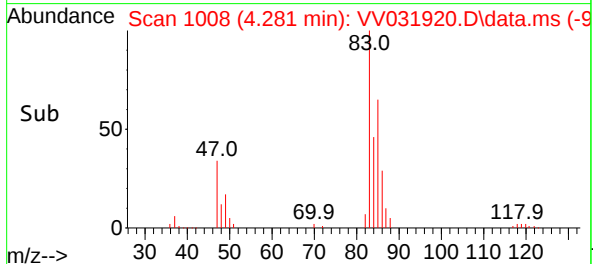
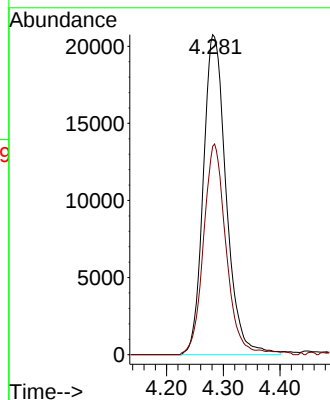
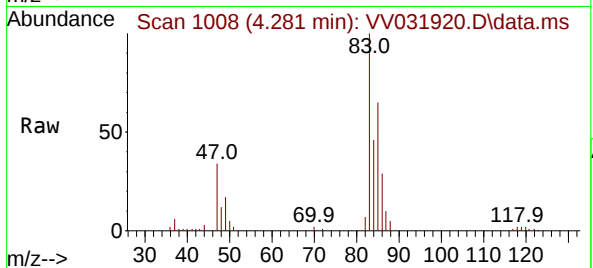
BH460

Tgt Ion: 83 Resp: 58200

Ion Ratio Lower Upper

83 100

85 65.1 46.4 86.2



#29

1,1,1-Trichloroethane

Concen: 0.220 ug/L

RT: 4.522 min Scan# 1083

Delta R.T. 0.006 min

Lab File: VV031920.D

Acq: 24 Aug 2023 19:35

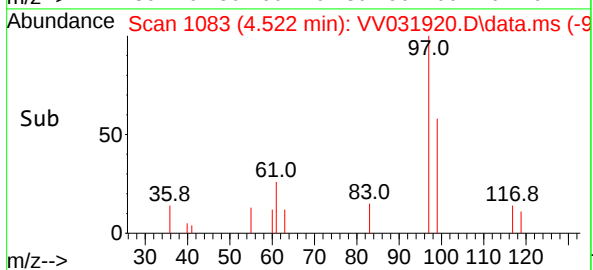
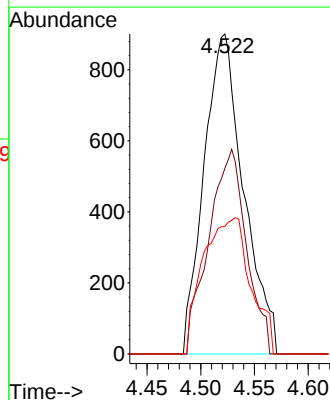
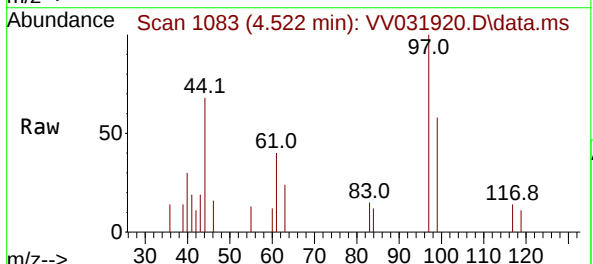
Tgt Ion: 97 Resp: 2313

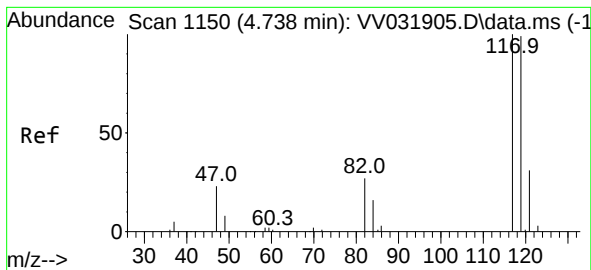
Ion Ratio Lower Upper

97 100

99 60.7 51.1 76.7

61 51.1 35.5 53.3





#31

Carbon tetrachloride

Concen: 0.445 ug/L

RT: 4.741 min Scan# 1151

Delta R.T. 0.003 min

Lab File: VV031920.D

Acq: 24 Aug 2023 19:35

Instrument :

MSVOA_V

ClientSampleId :

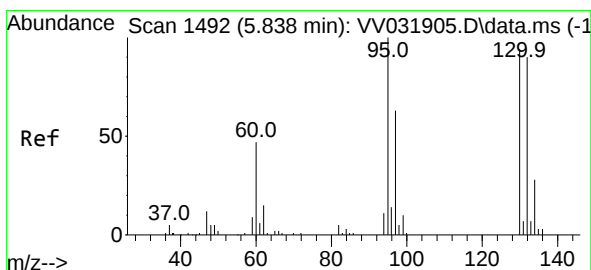
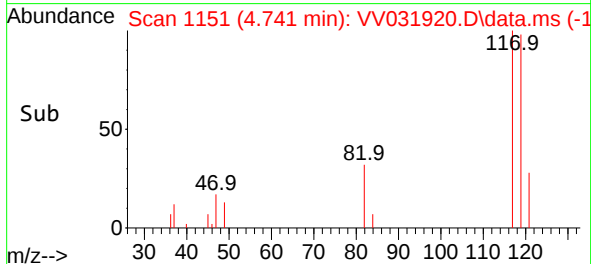
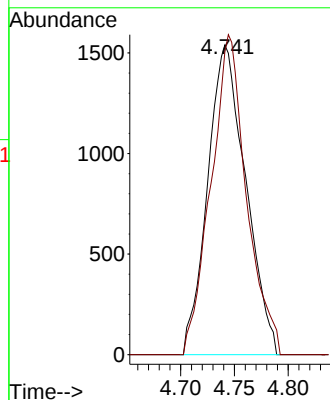
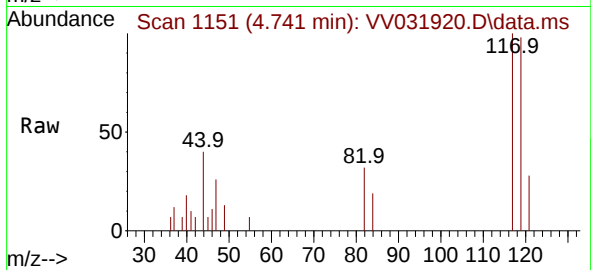
BH460

Tgt Ion:117 Resp: 3791

Ion Ratio Lower Upper

117 100

119 96.4 78.4 117.6



#34

Trichloroethene

Concen: 11.152 ug/L

RT: 5.837 min Scan# 1492

Delta R.T. -0.000 min

Lab File: VV031920.D

Acq: 24 Aug 2023 19:35

Tgt Ion: 95 Resp: 81876

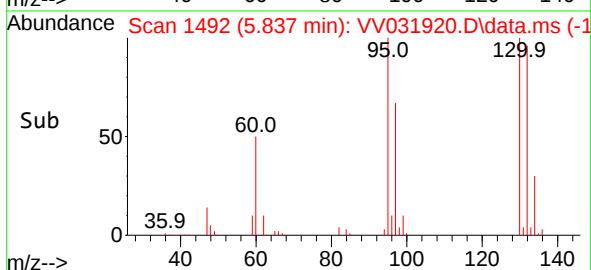
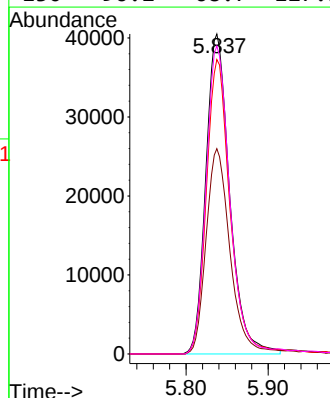
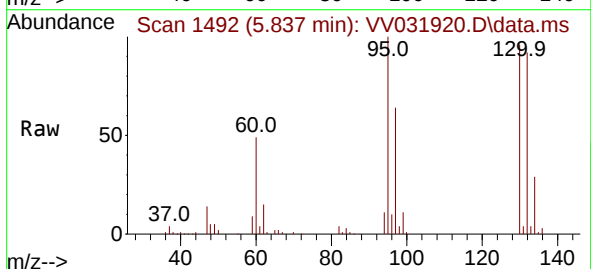
Ion Ratio Lower Upper

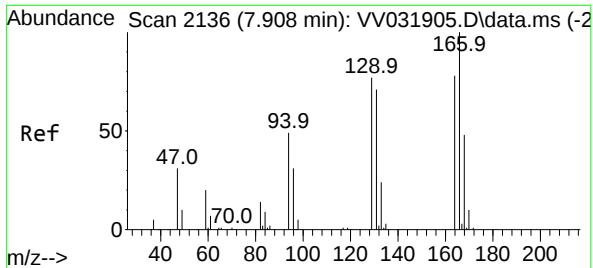
95 100

97 64.2 47.7 88.7

132 92.0 63.8 118.4

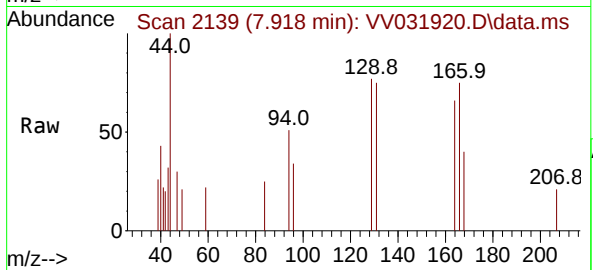
130 96.2 68.7 127.5





#47
 Tetrachloroethene
 Concen: 0.132 ug/L
 RT: 7.918 min Scan# 21
 Delta R.T. 0.009 min
 Lab File: VV031920.D
 Acq: 24 Aug 2023 19:35

Instrument :
 MSVOA_V
 ClientSampleId :
 BH460



Tgt Ion:	164	Resp:	617
Ion	Ratio	Lower	Upper
164	100		
129	116.8	70.6	131.2
131	114.7	64.6	120.0
166	114.4	88.3	164.1

