

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041323\
 Data File : VW030548.D
 Acq On : 13 Apr 2023 16:22
 Operator : SY/MD
 Sample : 02275-15
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHE00

Quant Time: Apr 14 05:22:01 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)

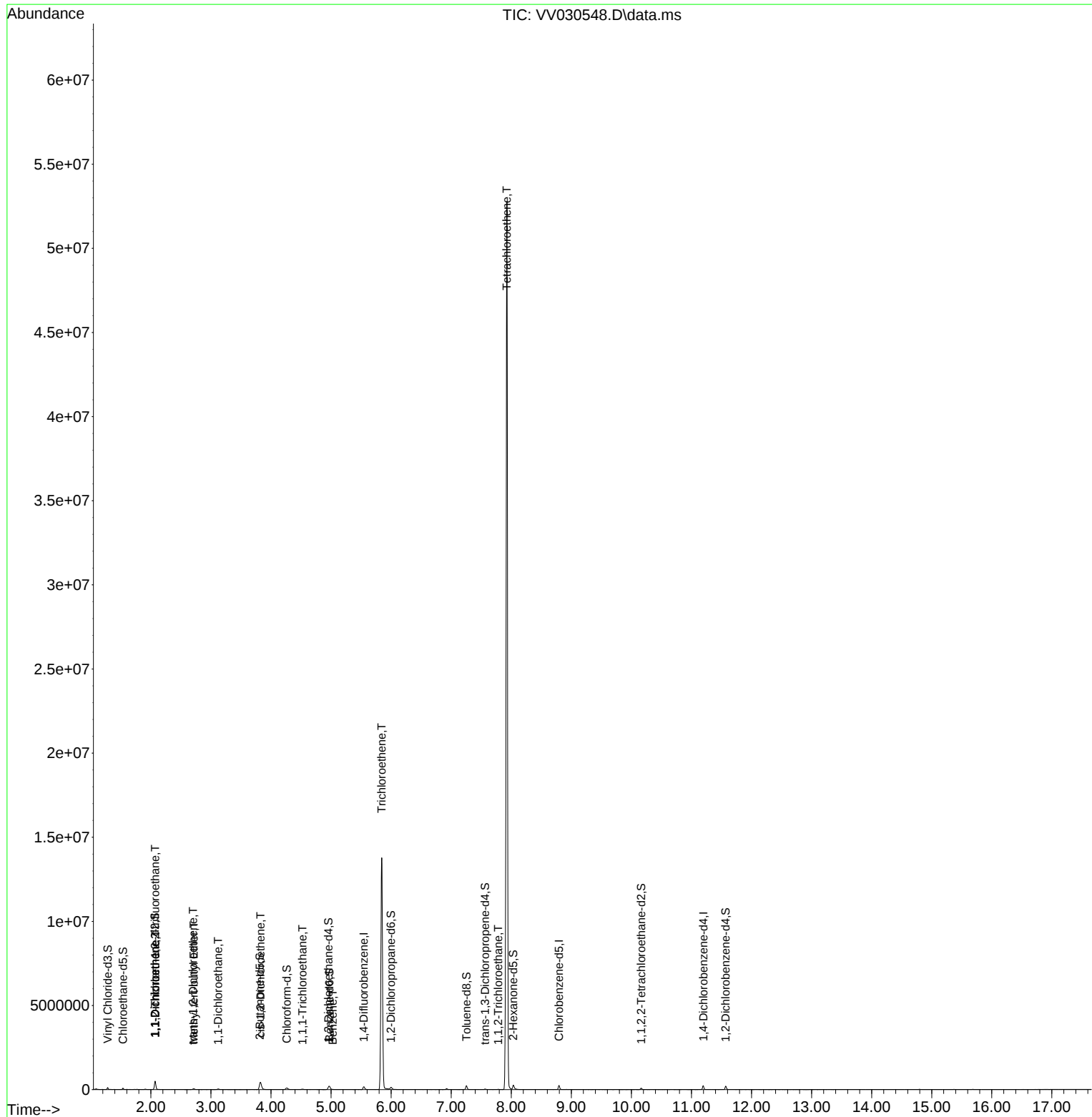
Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	140149	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.796	117	130934	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.198	152	59525	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	58314	6.282	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	125.600%
7) Chloroethane-d5	1.536	69	44949	4.990	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.800%
11) 1,1-Dichloroethene-d2	2.066	63	121567	5.519	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	110.400%
20) 2-Butanone-d5	3.812	46	112465	46.877	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.760%
24) Chloroform-d	4.262	84	98104	4.367	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.400%
26) 1,2-Dichloroethane-d4	4.957	65	52465	4.950	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.000%
32) Benzene-d6	4.973	84	175406	4.754	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.000%
36) 1,2-Dichloropropane-d6	5.998	67	56643	4.904	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.000%
41) Toluene-d8	7.252	98	147589	4.356	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.200%
43) trans-1,3-Dichloroprop...	7.564	79	18284	4.204	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.000%
46) 2-Hexanone-d5	8.034	63	81844	46.832	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	93.660%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	37238	4.090	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.800%
66) 1,2-Dichlorobenzene-d4	11.571	152	51378	4.829	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.600%
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.073	101	54595	4.140	ug/L	97
12) 1,1-Dichloroethene	2.076	96	68621	5.860	ug/L	86
17) Methyl tert-butyl Ether	2.716	73	40741	1.643	ug/L #	90
18) trans-1,2-Dichloroethene	2.703	96	1420	0.115	ug/L	84
19) 1,1-Dichloroethane	3.121	63	35615	1.489	ug/L	94
22) cis-1,2-Dichloroethene	3.825	96	207373	16.749	ug/L #	99
29) 1,1,1-Trichloroethane	4.523	97	20987	0.997	ug/L	98
33) Benzene	5.027	78	7281	0.157	ug/L	100
34) Trichloroethene	5.844	95	4492634	358.195	ug/L	95
45) 1,1,2-Trichloroethane	7.783	97	4116	0.490	ug/L	96
47) Tetrachloroethene	7.928	164	10213937	922.725	ug/L	92

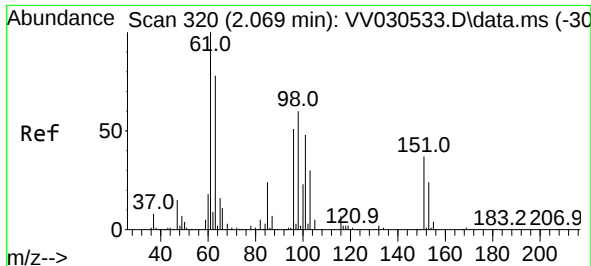
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041323\
Data File : VV030548.D
Acq On : 13 Apr 2023 16:22
Operator : SY/MD
Sample : 02275-15
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BHE00

Quant Time: Apr 14 05:22:01 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

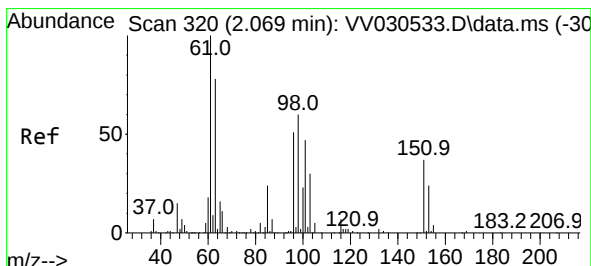
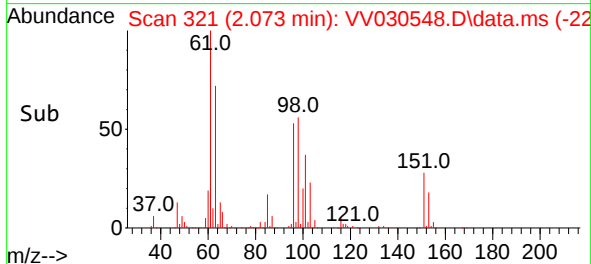
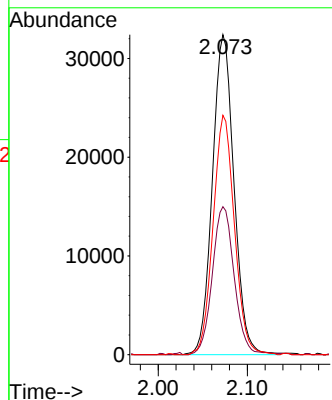
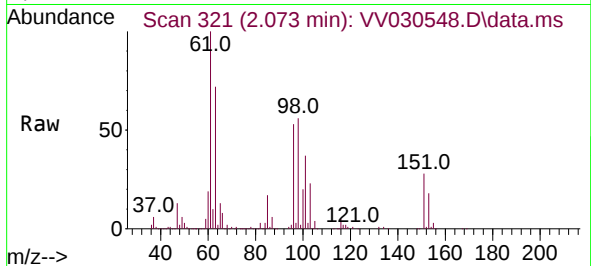




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 4.140 ug/L
RT: 2.073 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV030548.D
Acq: 13 Apr 2023 16:22

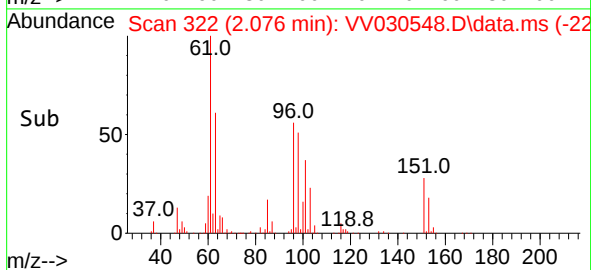
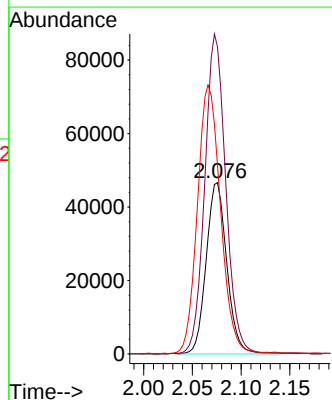
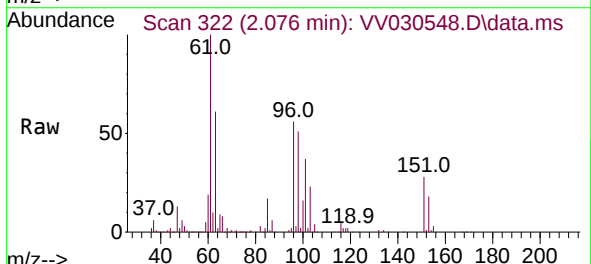
Instrument :
MSVOA_V
ClientSampleId :
BHE00

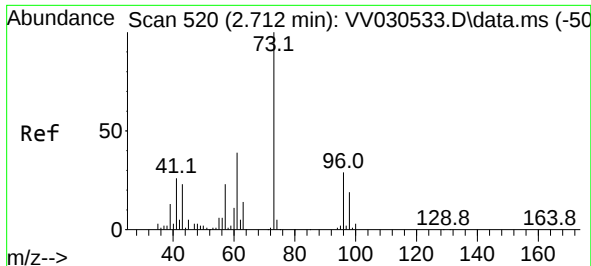
Tgt Ion:101 Resp: 54595
Ion Ratio Lower Upper
101 100
85 47.1 38.1 57.1
151 74.1 62.7 94.1



#12
1,1-Dichloroethene
Concen: 5.860 ug/L
RT: 2.076 min Scan# 322
Delta R.T. 0.006 min
Lab File: VV030548.D
Acq: 13 Apr 2023 16:22

Tgt Ion: 96 Resp: 68621
Ion Ratio Lower Upper
96 100
61 179.3 136.3 253.1
63 110.2 92.1 171.1





#17

Methyl tert-butyl Ether

Concen: 1.643 ug/L

RT: 2.716 min Scan# 517

Delta R.T. 0.003 min

Lab File: VV030548.D

Acq: 13 Apr 2023 16:22

Instrument :

MSVOA_V

ClientSampleId :

BHE00

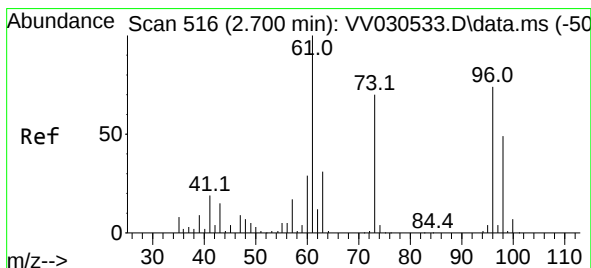
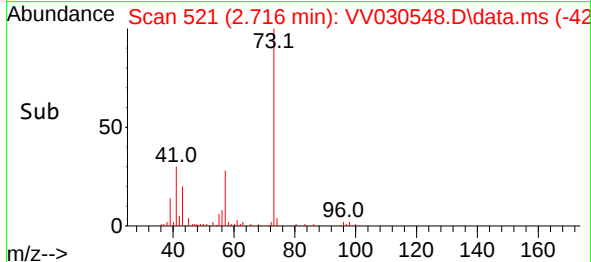
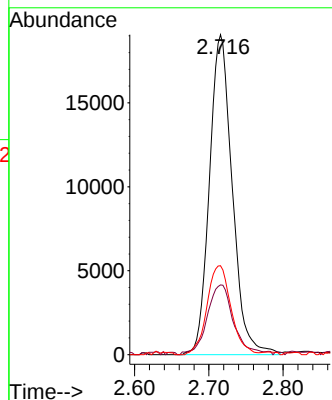
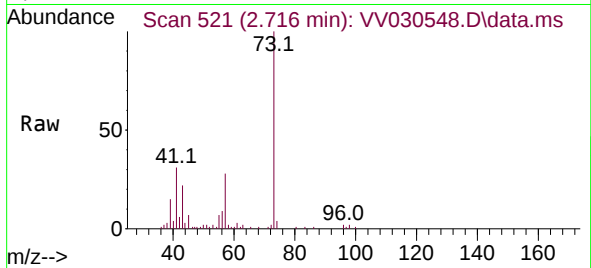
Tgt Ion: 73 Resp: 40741

Ion Ratio Lower Upper

73 100

43 24.9 17.4 26.2

57 29.4 18.3 27.5#



#18

trans-1,2-Dichloroethene

Concen: 0.115 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.003 min

Lab File: VV030548.D

Acq: 13 Apr 2023 16:22

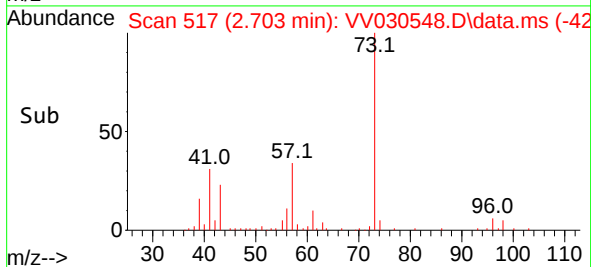
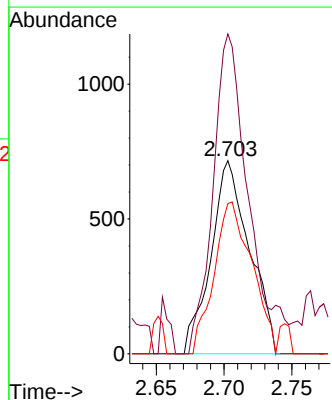
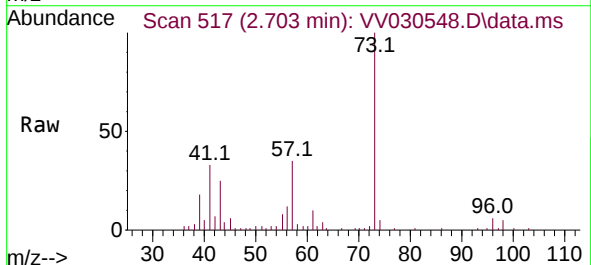
Tgt Ion: 96 Resp: 1420

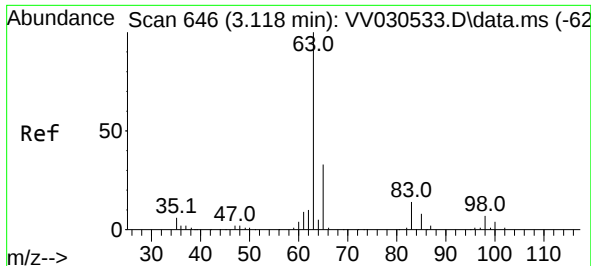
Ion Ratio Lower Upper

96 100

61 165.6 101.7 188.9

98 77.8 45.8 85.2





#19

1,1-Dichloroethane

Concen: 1.489 ug/L

RT: 3.121 min Scan# 646

Delta R.T. 0.003 min

Lab File: VV030548.D

Acq: 13 Apr 2023 16:22

Instrument :

MSVOA_V

ClientSampleId :

BHE00

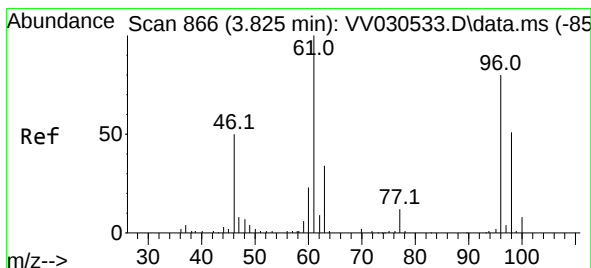
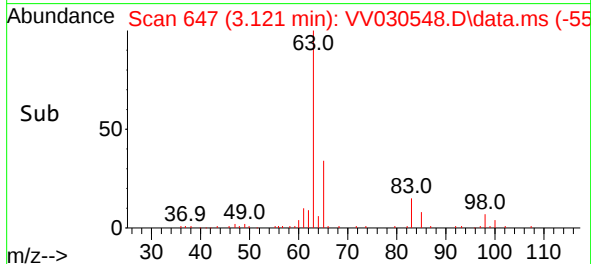
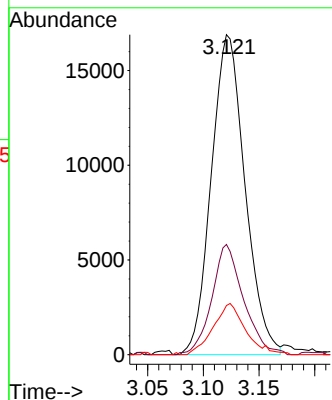
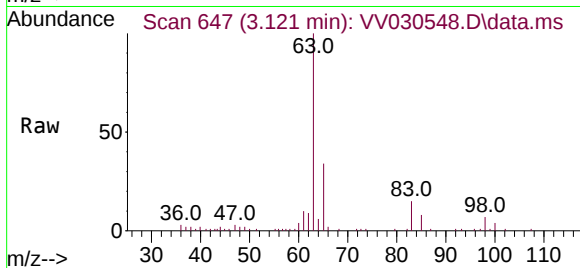
Tgt Ion: 63 Resp: 35615

Ion Ratio Lower Upper

63 100

65 34.5 21.7 40.3

83 15.3 9.1 16.9



#22

cis-1,2-Dichloroethene

Concen: 16.749 ug/L

RT: 3.825 min Scan# 866

Delta R.T. 0.000 min

Lab File: VV030548.D

Acq: 13 Apr 2023 16:22

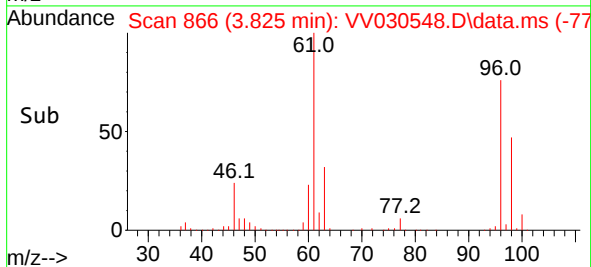
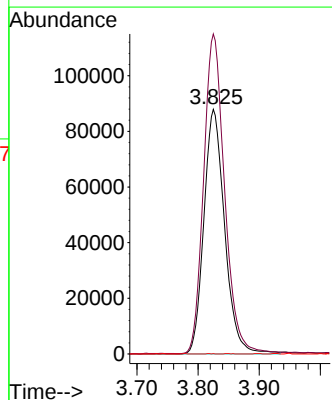
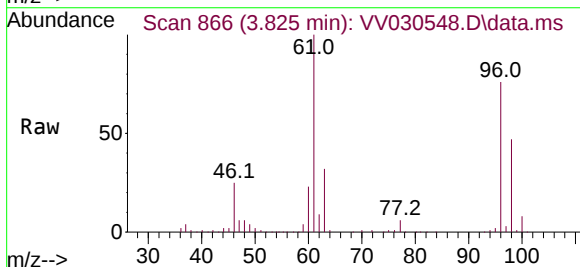
Tgt Ion: 96 Resp: 207373

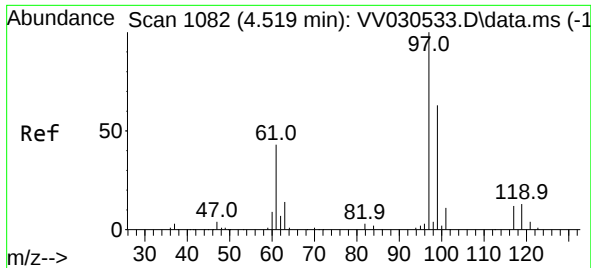
Ion Ratio Lower Upper

96 100

61 130.8 92.0 170.8

68 0.1 0.0 0.0





#29

1,1,1-Trichloroethane

Concen: 0.997 ug/L

RT: 4.523 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV030548.D

Acq: 13 Apr 2023 16:22

Instrument :

MSVOA_V

ClientSampleId :

BHE00

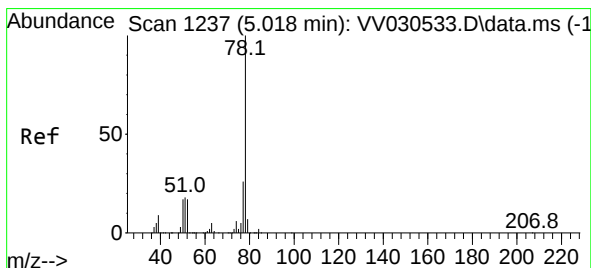
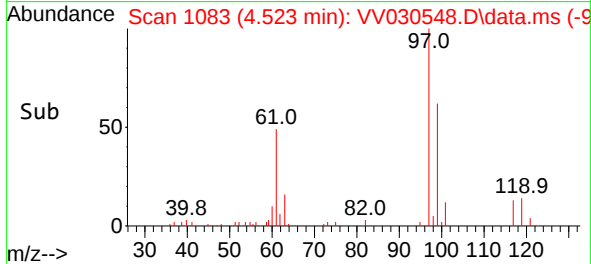
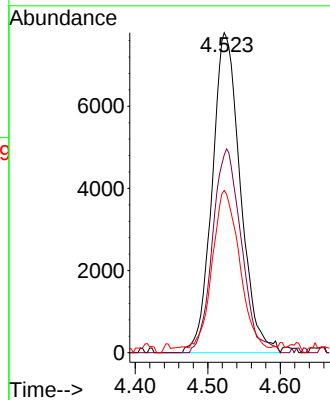
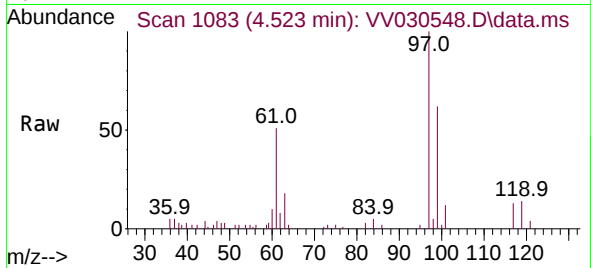
Tgt Ion: 97 Resp: 20987

Ion Ratio Lower Upper

97 100

99 64.9 50.9 76.3

61 46.8 35.9 53.9



#33

Benzene

Concen: 0.157 ug/L

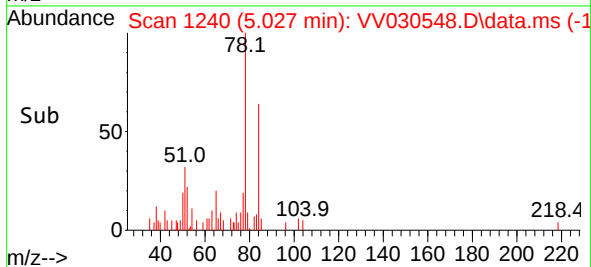
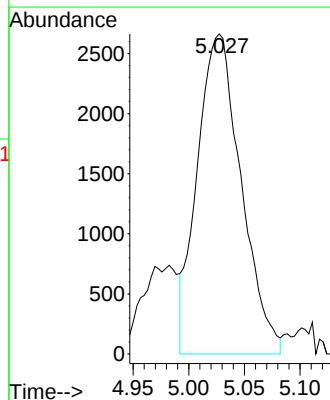
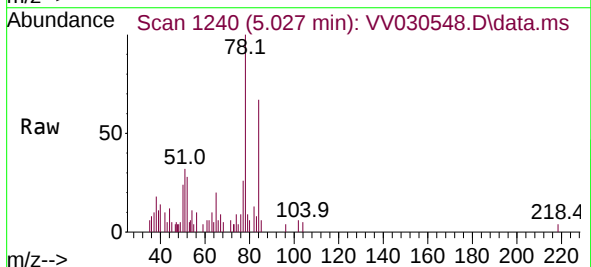
RT: 5.027 min Scan# 1240

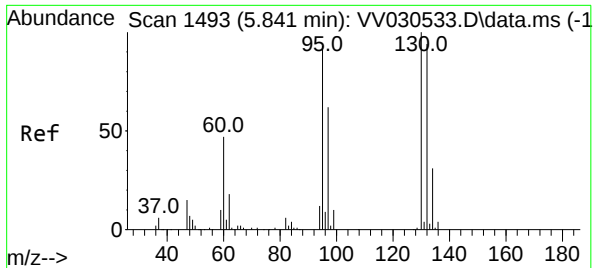
Delta R.T. 0.010 min

Lab File: VV030548.D

Acq: 13 Apr 2023 16:22

Tgt Ion: 78 Resp: 7281

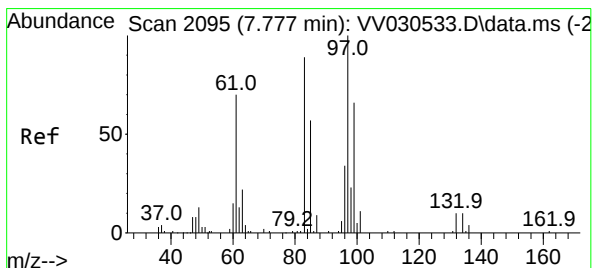
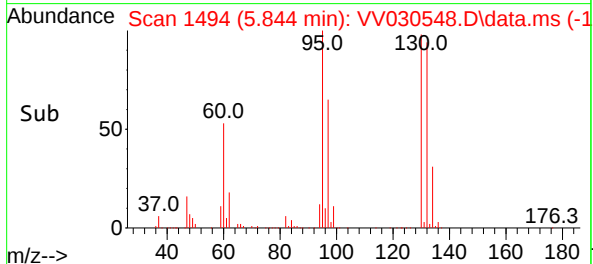
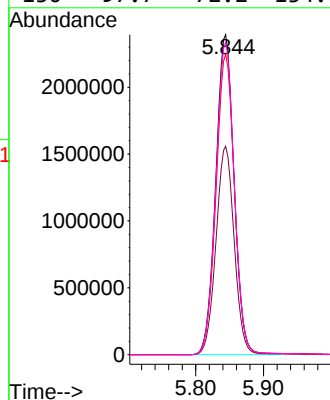
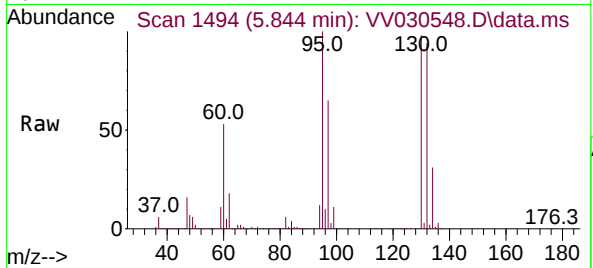




#34
Trichloroethene
Concen: 358.195 ug/L
RT: 5.844 min Scan# 1493
Delta R.T. 0.003 min
Lab File: VV030548.D
Acq: 13 Apr 2023 16:22

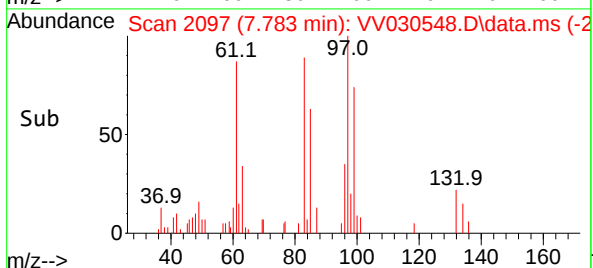
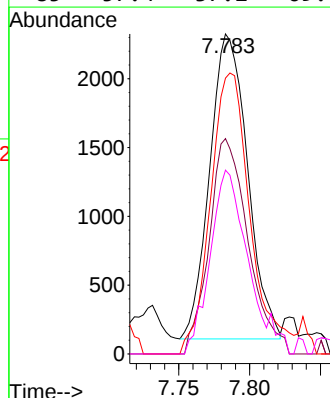
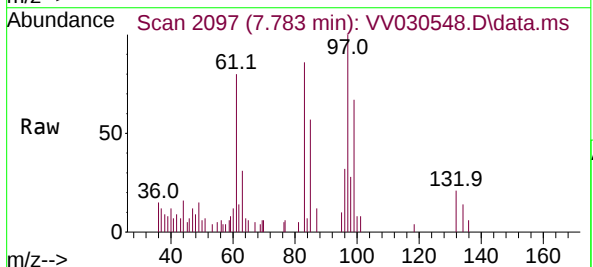
Instrument :
MSVOA_V
ClientSampleId :
BHE00

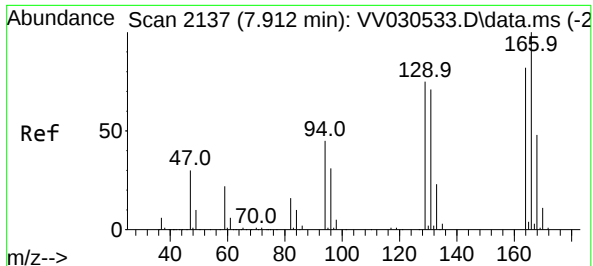
Tgt Ion: 95 Resp: 4492634
Ion Ratio Lower Upper
95 100
97 65.2 44.2 82.2
132 93.9 69.5 129.1
130 97.7 72.2 134.0



#45
1,1,2-Trichloroethane
Concen: 0.490 ug/L
RT: 7.783 min Scan# 2097
Delta R.T. 0.006 min
Lab File: VV030548.D
Acq: 13 Apr 2023 16:22

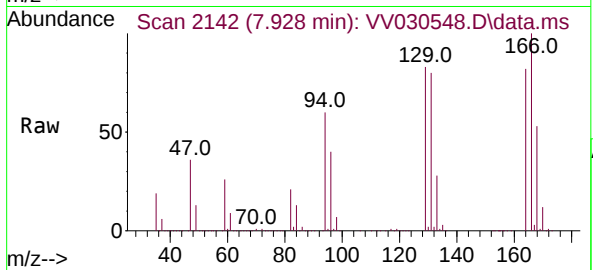
Tgt Ion: 97 Resp: 4116
Ion Ratio Lower Upper
97 100
99 67.3 44.0 81.8
83 86.2 58.8 109.2
85 57.4 37.2 69.0





#47
 Tetrachloroethene
 Concen: 922.725 ug/L
 RT: 7.928 min Scan# 21
 Delta R.T. 0.016 min
 Lab File: VV030548.D
 Acq: 13 Apr 2023 16:22

Instrument :
 MSVOA_V
 ClientSampleId :
 BHE00



Tgt Ion:164 Resp:10213937

Ion	Ratio	Lower	Upper
164	100		
129	100.8	60.8	112.8
131	97.6	61.7	114.7
166	121.9	85.6	159.0

