

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV041023\
 Data File : VV030472.D
 Acq On : 10 Apr 2023 16:59
 Operator : SY/MD
 Sample : 02194-15DL 20X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHDx2DL

Quant Time: Apr 11 06:30:28 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	5.545	114	150562	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	145752	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	70599	5.000	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.282	65	26683	2.676	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	53.600%
7) Chloroethane-d5	1.536	69	31077	3.211	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	64.200%#
11) 1,1-Dichloroethene-d2	2.063	63	52099	2.202	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	44.000%#
20) 2-Butanone-d5	3.841	46	90478	35.104	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	70.200%
24) Chloroform-d	4.262	84	82750	3.429	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	68.600%#
26) 1,2-Dichloroethane-d4	4.957	65	41798	3.671	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.400%
32) Benzene-d6	4.973	84	148658	3.619	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	72.400%
36) 1,2-Dichloropropane-d6	5.998	67	47290	3.678	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	73.600%
41) Toluene-d8	7.252	98	124036	3.289	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	65.800%#
43) trans-1,3-Dichloroprop...	7.564	79	15919	3.288	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	65.800%
46) 2-Hexanone-d5	8.037	63	68957	35.446	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	70.900%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	35952	3.548	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	71.000%
66) 1,2-Dichlorobenzene-d4	11.571	152	50224	3.980	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	79.600%#

Target Compounds

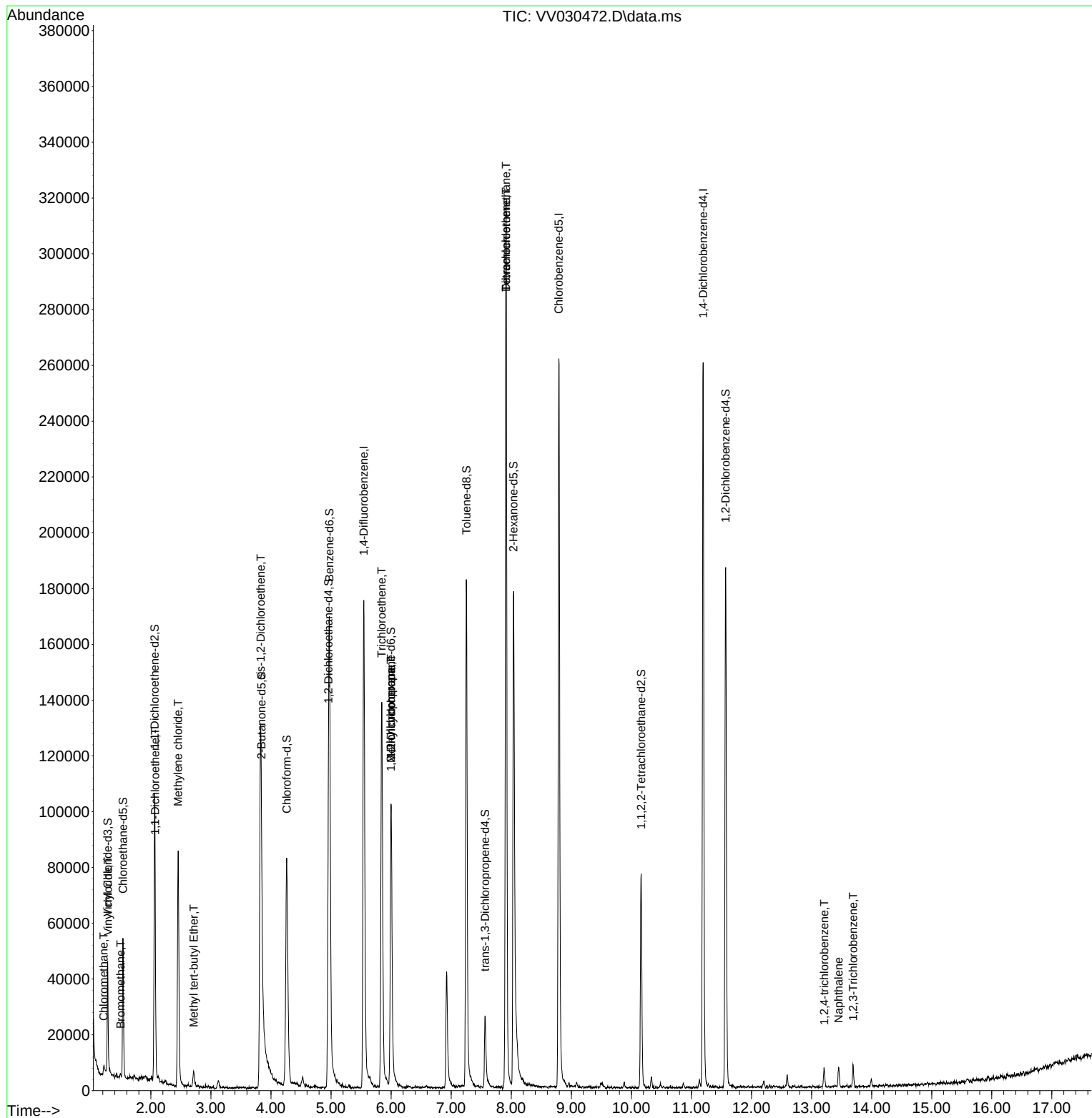
						Qvalue
3) Chloromethane	1.217	50	2503	0.104	ug/L	90
5) Vinyl chloride	1.285	62	1270	0.072	ug/L #	64
6) Bromomethane	1.494	94	527	0.105	ug/L	90
12) 1,1-Dichloroethene	2.073	96	2841	0.226	ug/L #	1
16) Methylene chloride	2.455	84	34363	2.309	ug/L	96
17) Methyl tert-butyl Ether	2.716	73	3728	0.140	ug/L	95
22) cis-1,2-Dichloroethene	3.828	96	59660	4.485	ug/L	96
34) Trichloroethene	5.844	95	48965	3.507	ug/L	98
35) Methylcyclohexane	6.002	83	12681	0.579	ug/L #	17
37) 1,2-Dichloropropane	5.995	63	5951	0.448	ug/L #	86
47) Tetrachloroethene	7.915	164	71896	5.835	ug/L	98
49) Dibromochloromethane	7.915	129	62466	5.608	ug/L #	12
70) 1,2,4-trichlorobenzene	13.210	180	2236	0.145	ug/L	96
71) Naphthalene	13.452	128	5756	0.261	ug/L	98
72) 1,2,3-Trichlorobenzene	13.693	180	2266	0.169	ug/L	90

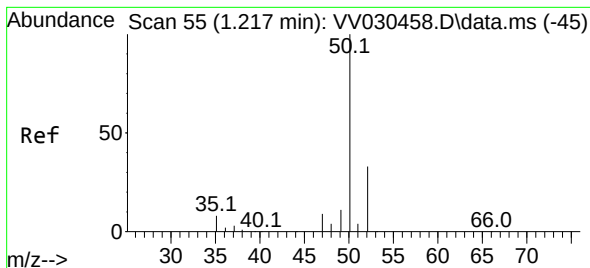
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.104 ug/L

RT: 1.217 min Scan# 51

Delta R.T. 0.000 min

Lab File: VV030472.D

Acq: 10 Apr 2023 16:59

Instrument :

MSVOA_V

ClientSampleId :

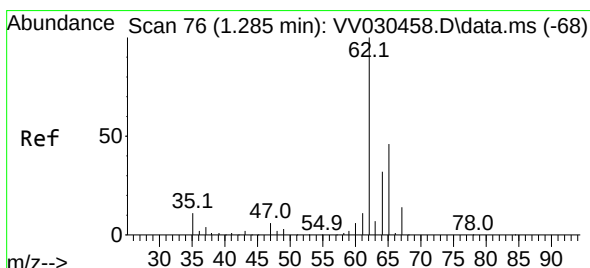
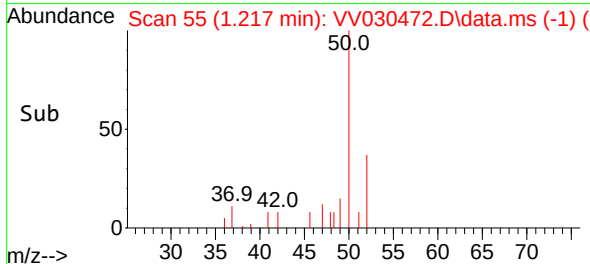
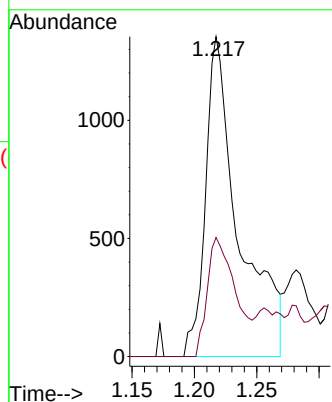
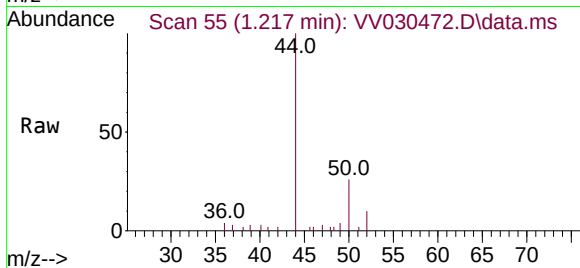
BHDX2DL

Tgt Ion: 50 Resp: 2503

Ion Ratio Lower Upper

50 100

52 37.2 22.3 41.5



#5

Vinyl chloride

Concen: 0.072 ug/L

RT: 1.285 min Scan# 76

Delta R.T. 0.000 min

Lab File: VV030472.D

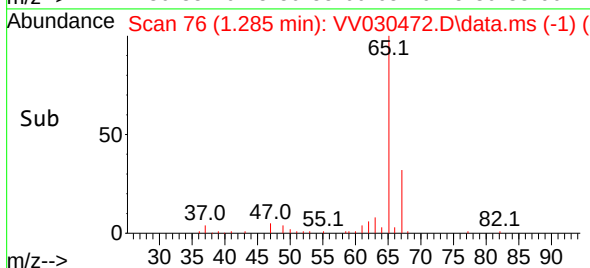
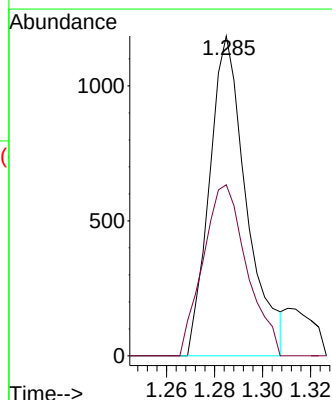
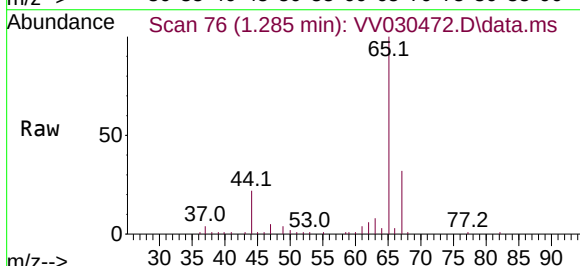
Acq: 10 Apr 2023 16:59

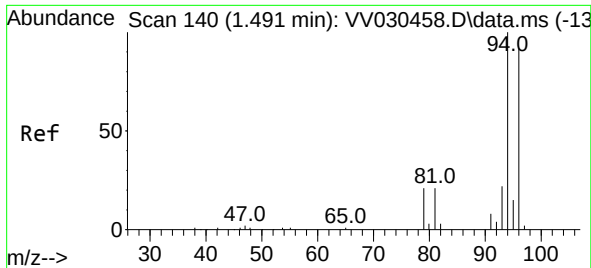
Tgt Ion: 62 Resp: 1270

Ion Ratio Lower Upper

62 100

64 53.5 23.2 43.2#

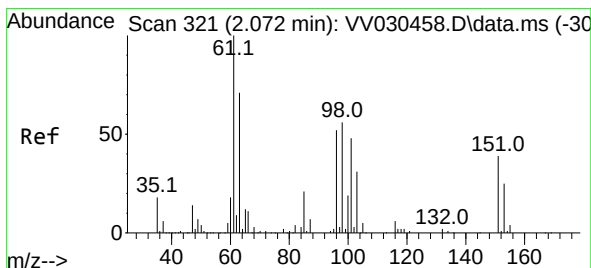
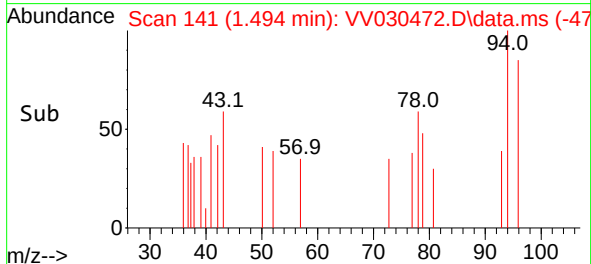
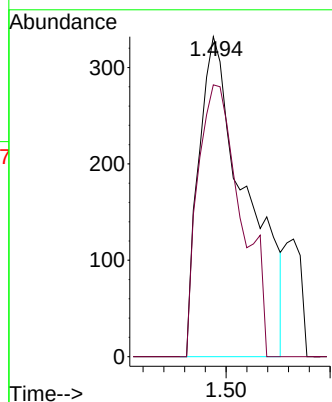
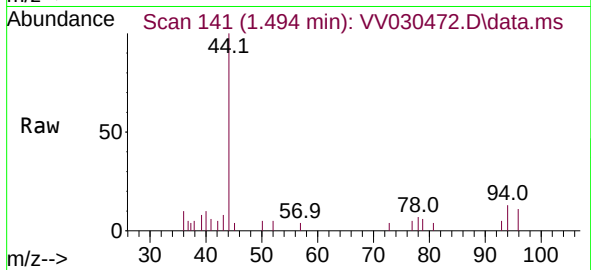




#6
Bromomethane
Concen: 0.105 ug/L
RT: 1.494 min Scan# 140
Delta R.T. 0.003 min
Lab File: VV030472.D
Acq: 10 Apr 2023 16:59

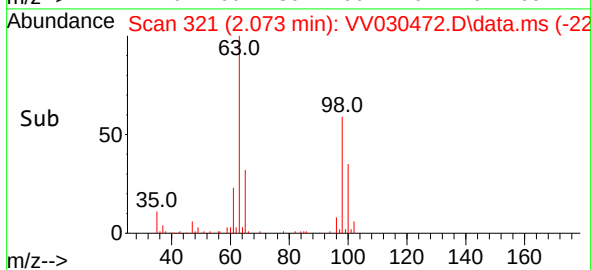
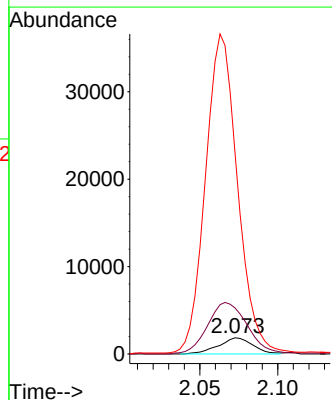
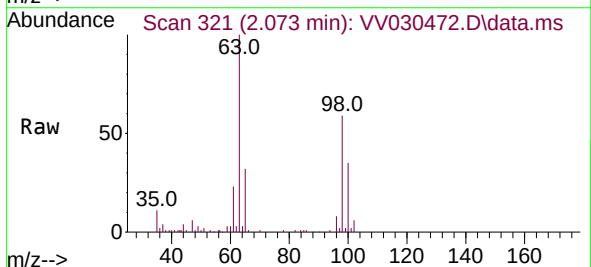
Instrument :
MSVOA_V
ClientSampleId :
BHDx2DL

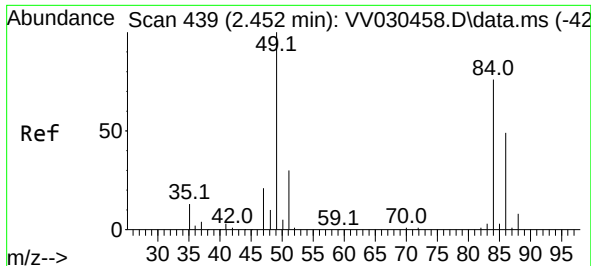
Tgt Ion: 94 Resp: 527
Ion Ratio Lower Upper
94 100
96 84.9 66.1 122.7



#12
1,1-Dichloroethene
Concen: 0.226 ug/L
RT: 2.073 min Scan# 321
Delta R.T. 0.000 min
Lab File: VV030472.D
Acq: 10 Apr 2023 16:59

Tgt Ion: 96 Resp: 2841
Ion Ratio Lower Upper
96 100
61 283.5 136.3 253.1#
63 1238.7 92.1 171.1#

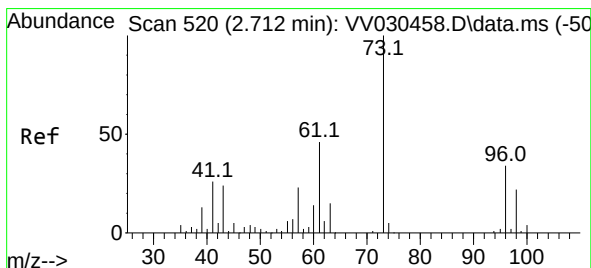
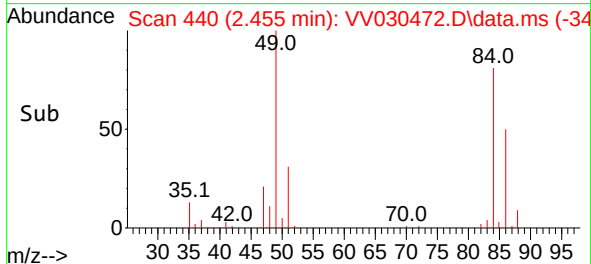
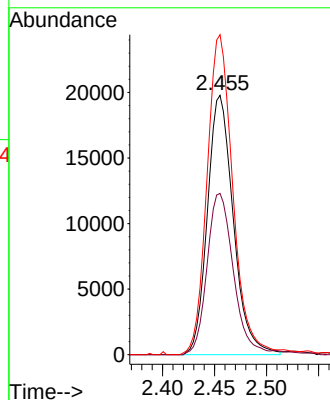
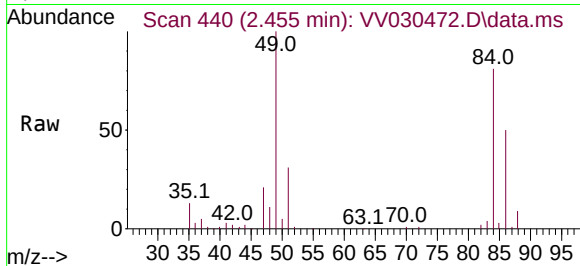




#16
Methylene chloride
Concen: 2.309 ug/L
RT: 2.455 min Scan# 441
Delta R.T. 0.003 min
Lab File: VV030472.D
Acq: 10 Apr 2023 16:59

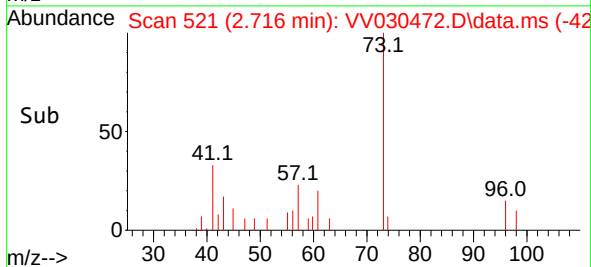
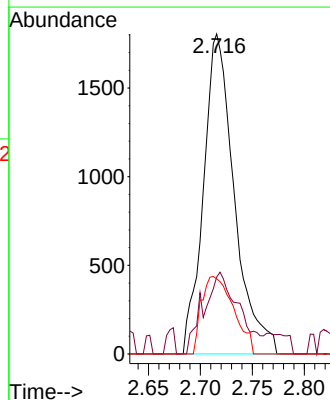
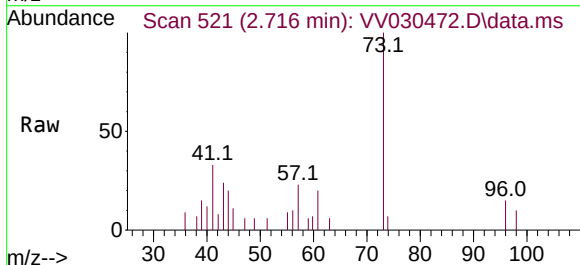
Instrument :
MSVOA_V
ClientSampleId :
BHDx2DL

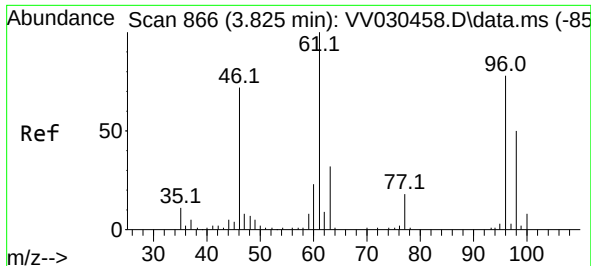
Tgt Ion: 84 Resp: 34363
Ion Ratio Lower Upper
84 100
86 62.2 44.0 81.6
49 123.4 90.6 168.3



#17
Methyl tert-butyl Ether
Concen: 0.140 ug/L
RT: 2.716 min Scan# 521
Delta R.T. 0.003 min
Lab File: VV030472.D
Acq: 10 Apr 2023 16:59

Tgt Ion: 73 Resp: 3728
Ion Ratio Lower Upper
73 100
43 24.8 17.4 26.2
57 25.0 18.3 27.5



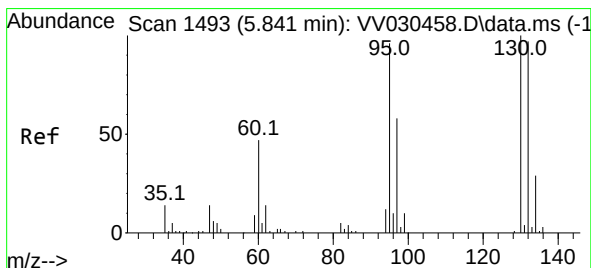
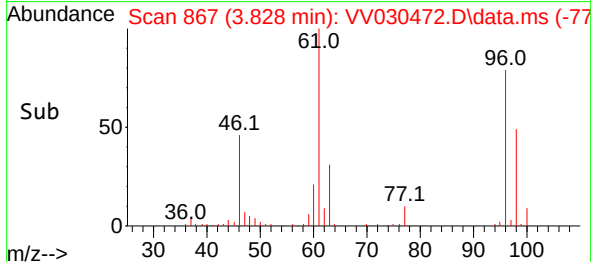
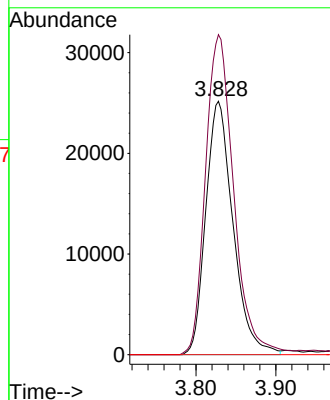
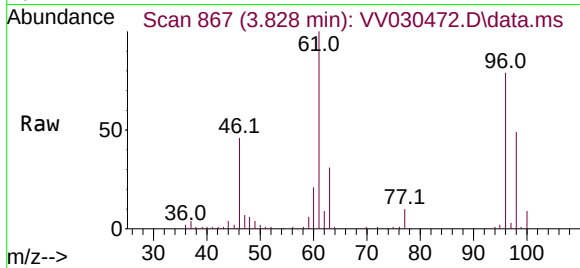


#22
 cis-1,2-Dichloroethene
 Concen: 4.485 ug/L
 RT: 3.828 min Scan# 866
 Delta R.T. 0.003 min
 Lab File: VV030472.D
 Acq: 10 Apr 2023 16:59

Instrument :
 MSVOA_V
 ClientSampleId :
 BHDx2DL

Tgt Ion: 96 Resp: 59660

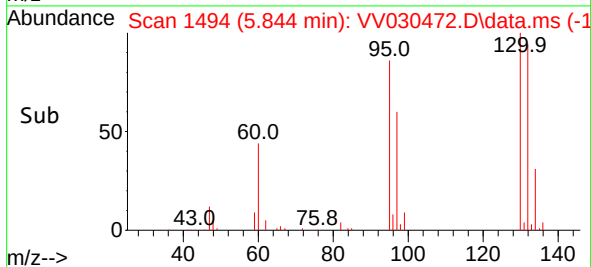
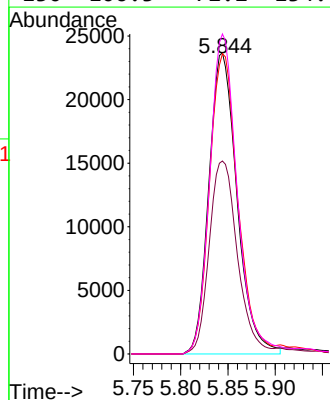
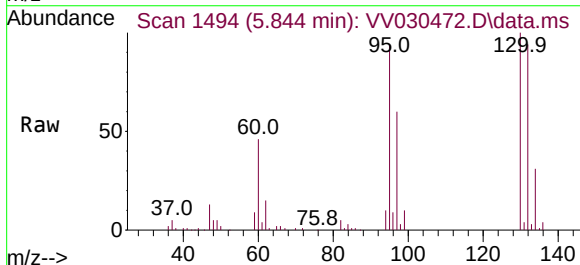
Ion	Ratio	Lower	Upper
96	100		
61	126.2	92.0	170.8
68	0.0	0.0	0.0

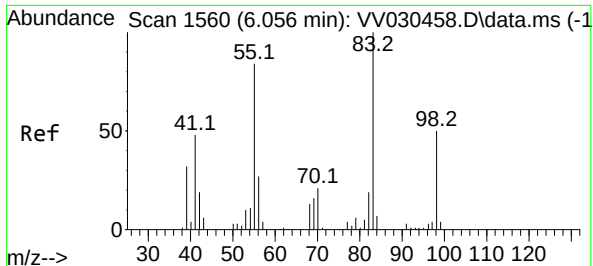


#34
 Trichloroethene
 Concen: 3.507 ug/L
 RT: 5.844 min Scan# 1494
 Delta R.T. 0.003 min
 Lab File: VV030472.D
 Acq: 10 Apr 2023 16:59

Tgt Ion: 95 Resp: 48965

Ion	Ratio	Lower	Upper
95	100		
97	64.1	44.2	82.2
132	99.7	69.5	129.1
130	106.3	72.2	134.0

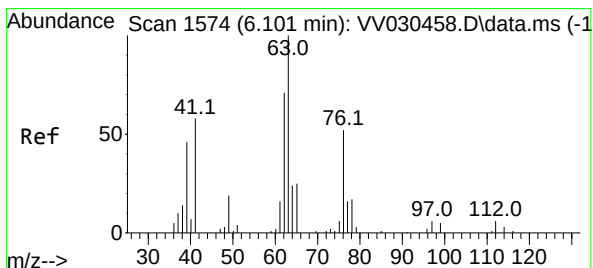
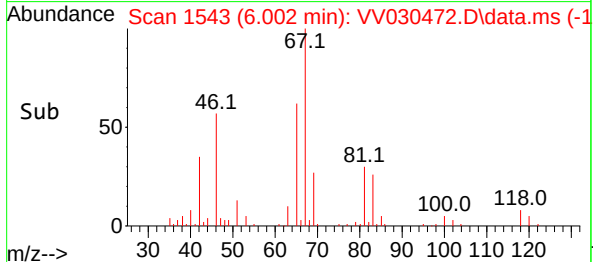
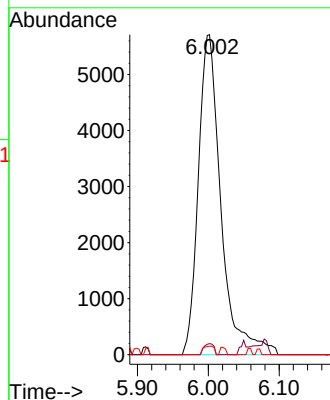
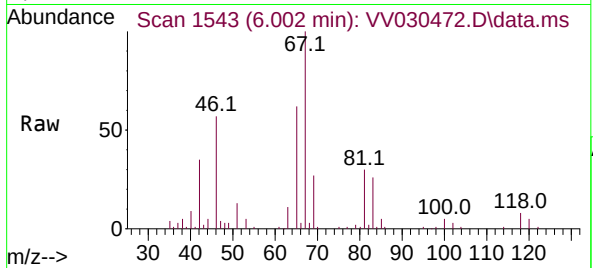




#35
Methylcyclohexane
Concen: 0.579 ug/L
RT: 6.002 min Scan# 11
Delta R.T. -0.055 min
Lab File: VV030472.D
Acq: 10 Apr 2023 16:59

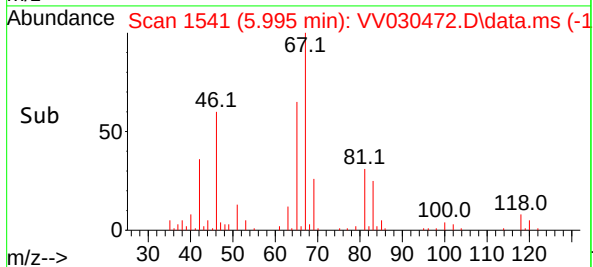
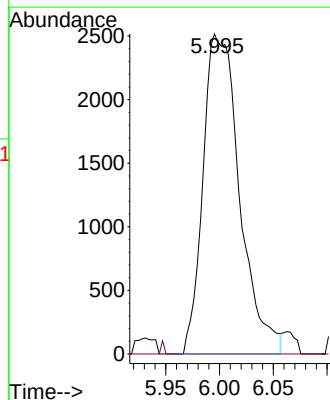
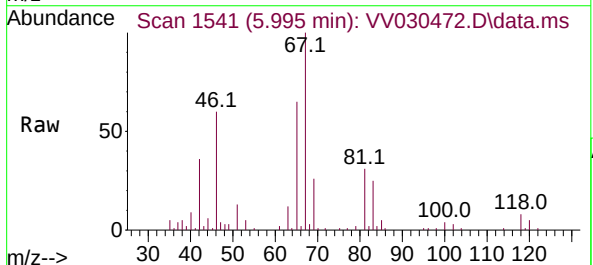
Instrument :
MSVOA_V
ClientSampleId :
BHDx2DL

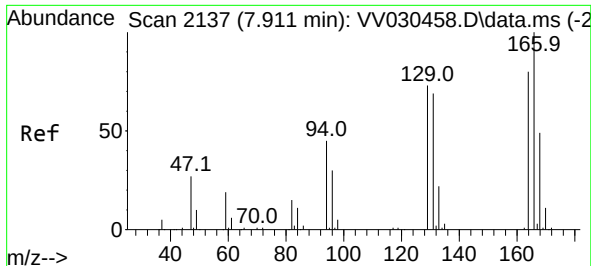
Tgt Ion: 83 Resp: 12681
Ion Ratio Lower Upper
83 100
55 1.5 66.6 100.0#
98 1.3 38.6 58.0#



#37
1,2-Dichloropropane
Concen: 0.448 ug/L
RT: 5.995 min Scan# 1541
Delta R.T. -0.106 min
Lab File: VV030472.D
Acq: 10 Apr 2023 16:59

Tgt Ion: 63 Resp: 5951
Ion Ratio Lower Upper
63 100
112 0.3 3.9 5.9#





#47

Tetrachloroethene

Concen: 5.835 ug/L

RT: 7.915 min Scan# 2137

Delta R.T. 0.003 min

Lab File: VV030472.D

Acq: 10 Apr 2023 16:59

Instrument :

MSVOA_V

ClientSampleId :

BHDX2DL

Tgt Ion:164 Resp: 71896

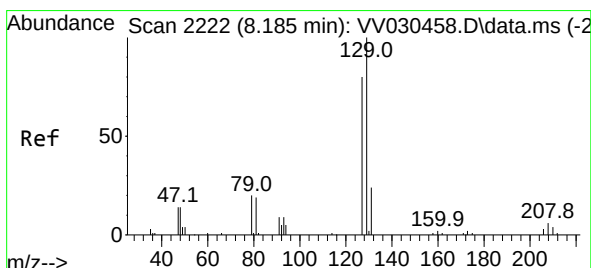
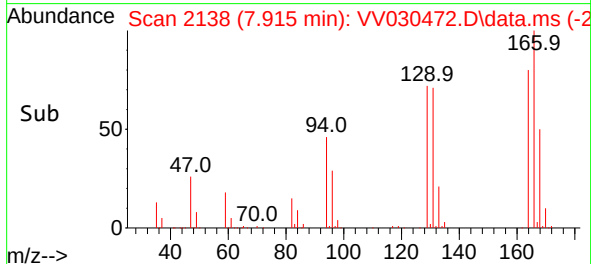
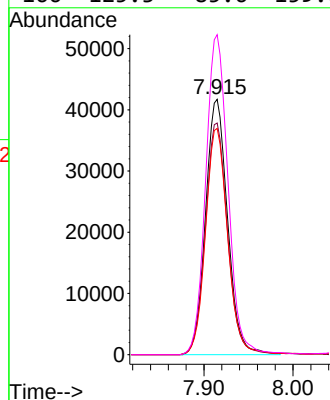
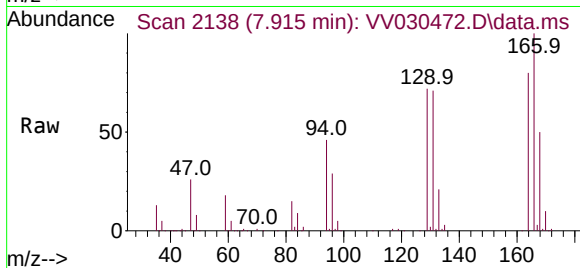
Ion Ratio Lower Upper

164 100

129 90.7 60.8 112.8

131 88.6 61.7 114.7

166 125.3 85.6 159.0



#49

Dibromochloromethane

Concen: 5.608 ug/L

RT: 7.915 min Scan# 2138

Delta R.T. -0.270 min

Lab File: VV030472.D

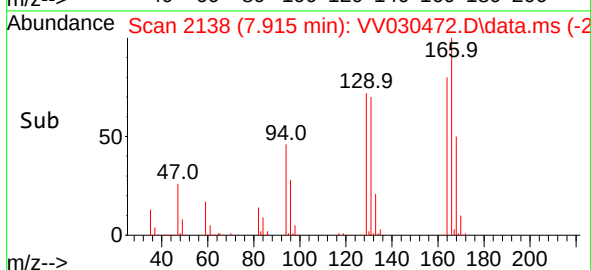
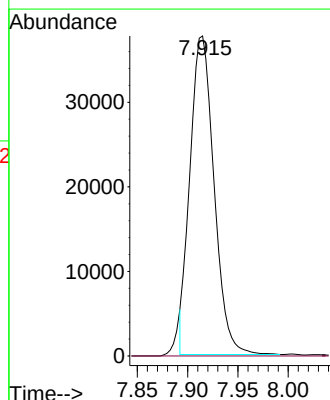
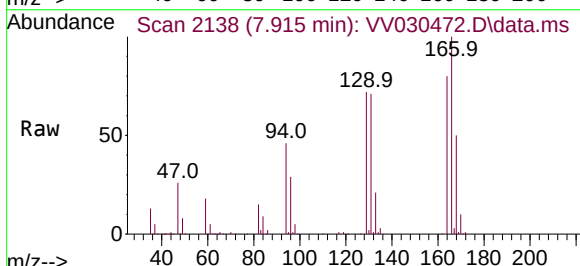
Acq: 10 Apr 2023 16:59

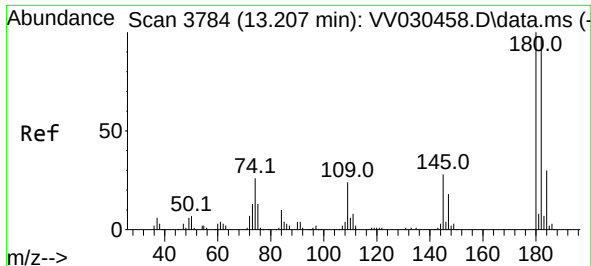
Tgt Ion:129 Resp: 62466

Ion Ratio Lower Upper

129 100

127 0.0 52.7 97.9#

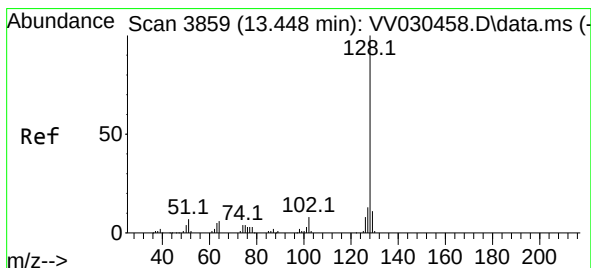
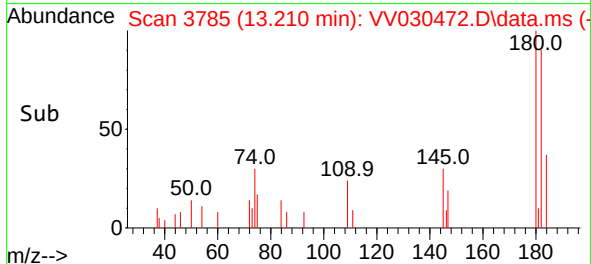
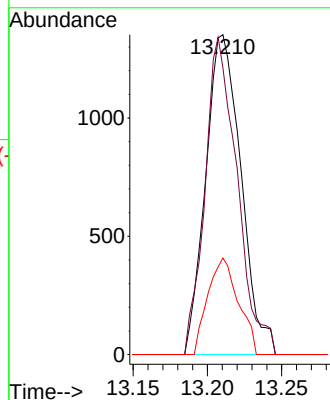
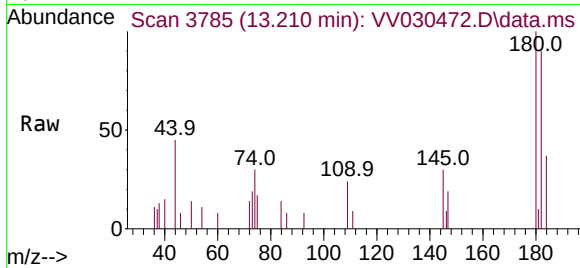




#70
1,2,4-trichlorobenzene
Concen: 0.145 ug/L
RT: 13.210 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV030472.D
Acq: 10 Apr 2023 16:59

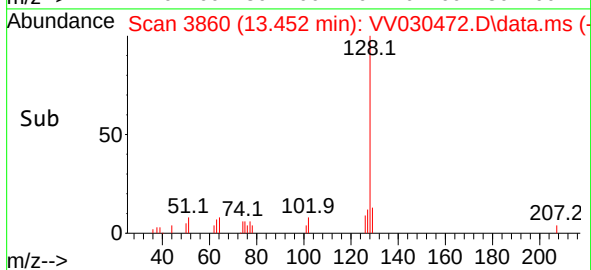
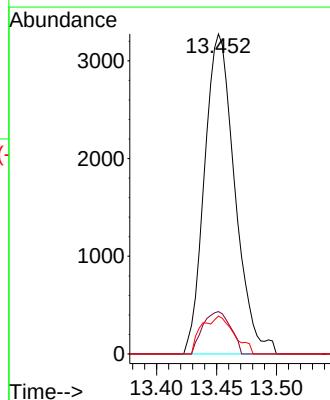
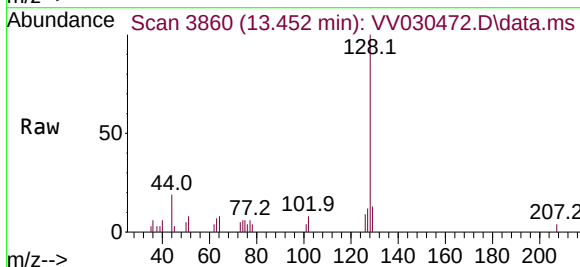
Instrument :
MSVOA_V
ClientSampleId :
BHDx2DL

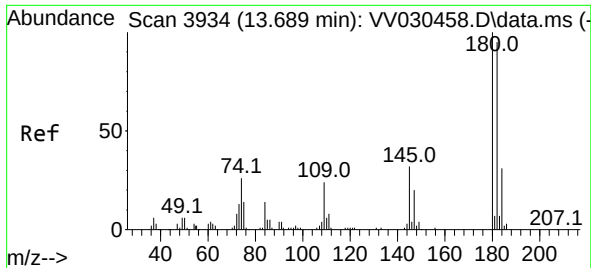
Tgt Ion:180 Resp: 2236
Ion Ratio Lower Upper
180 100
182 90.7 75.3 112.9
145 26.1 23.8 35.6



#71
Naphthalene
Concen: 0.261 ug/L
RT: 13.452 min Scan# 3860
Delta R.T. 0.003 min
Lab File: VV030472.D
Acq: 10 Apr 2023 16:59

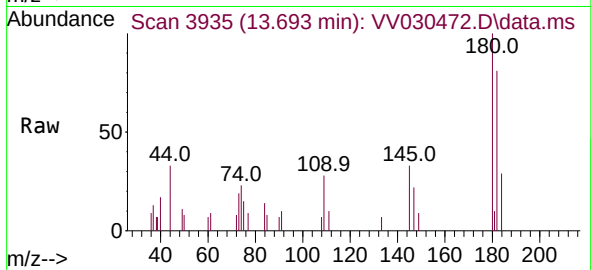
Tgt Ion:128 Resp: 5756
Ion Ratio Lower Upper
128 100
129 12.2 8.9 13.3
127 12.6 10.8 16.2





#72
 1,2,3-Trichlorobenzene
 Concen: 0.169 ug/L
 RT: 13.693 min Scan# 3935
 Delta R.T. 0.003 min
 Lab File: VV030472.D
 Acq: 10 Apr 2023 16:59

Instrument :
 MSVOA_V
 ClientSampleId :
 BHDx2DL



Tgt Ion:	180	Resp:	2266
Ion	Ratio	Lower	Upper
180	100		
182	85.5	76.6	115.0
145	36.6	25.0	37.4

