

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041423\
 Data File : VW030572.D
 Acq On : 14 Apr 2023 14:47
 Operator : SY/MD
 Sample : 02275-05
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHDZ1

Quant Time: Apr 15 02:01:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR032323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Apr 15 01:54:33 2023
 Response via : Initial Calibration

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

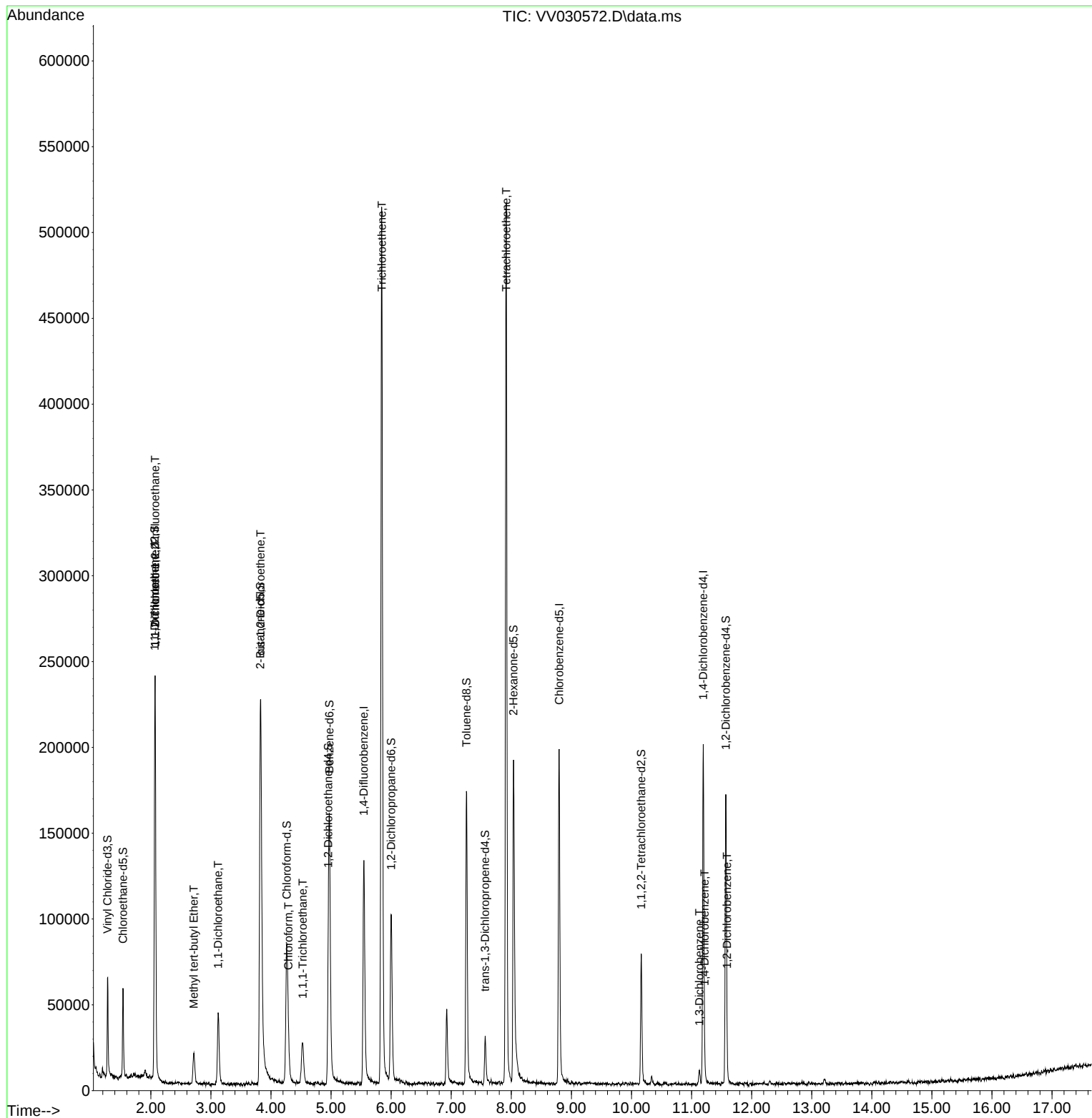
Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	112265	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.796	117	108576	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	52287	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.278	65	40216	5.409	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	108.200%
7) Chloroethane-d5	1.535	69	33785	4.682	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.600%
11) 1,1-Dichloroethene-d2	2.066	63	85094	4.823	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	96.400%
20) 2-Butanone-d5	3.822	46	91529	47.626	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.260%
24) Chloroform-d	4.262	84	78437	4.359	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.200%
26) 1,2-Dichloroethane-d4	4.953	65	42343	4.987	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.800%
32) Benzene-d6	4.973	84	135755	4.437	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.800%
36) 1,2-Dichloropropane-d6	5.998	67	43628	4.555	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.000%
41) Toluene-d8	7.252	98	113846	4.052	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.000%
43) trans-1,3-Dichloroprop...	7.564	79	15343	4.254	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.000%
46) 2-Hexanone-d5	8.037	63	65545	45.228	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.460%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	32802	4.345	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.800%
66) 1,2-Dichlorobenzene-d4	11.570	152	43016	4.603	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.000%
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	4684	0.443	ug/L	94
12) 1,1-Dichloroethene	2.072	96	40955	4.366	ug/L	91
17) Methyl tert-butyl Ether	2.715	73	15208	0.765	ug/L #	92
19) 1,1-Dichloroethane	3.121	63	38567	2.013	ug/L	97
22) cis-1,2-Dichloroethene	3.828	96	103649	10.451	ug/L	98
25) Chloroform	4.288	83	12830	0.663	ug/L	100
29) 1,1,1-Trichloroethane	4.526	97	19773	1.133	ug/L	98
34) Trichloroethene	5.844	95	170590	16.402	ug/L	98
47) Tetrachloroethene	7.915	164	113436	12.358	ug/L	97
64) 1,3-Dichlorobenzene	11.130	146	3264	0.170	ug/L	89
65) 1,4-Dichlorobenzene	11.217	146	1548	0.080	ug/L #	92
67) 1,2-Dichlorobenzene	11.590	146	1270	0.073	ug/L #	84

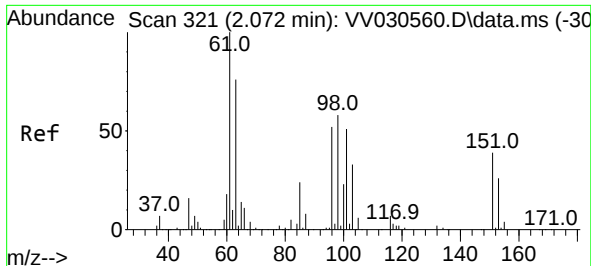
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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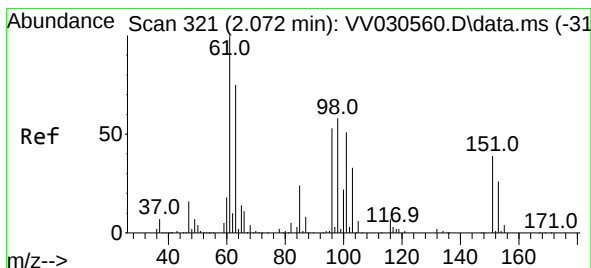
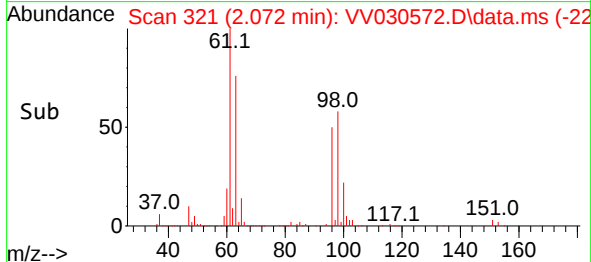
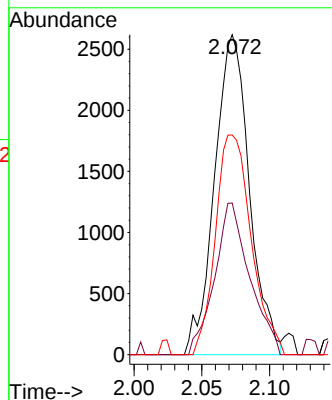
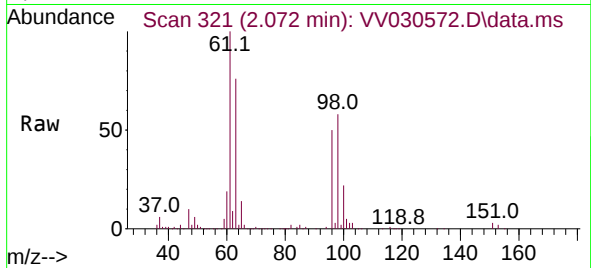




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.443 ug/L
 RT: 2.072 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VV030572.D
 Acq: 14 Apr 2023 14:47

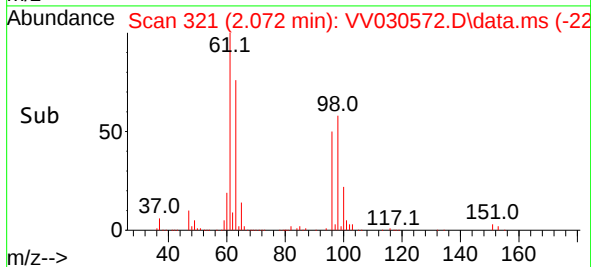
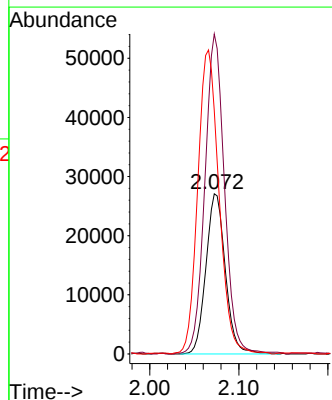
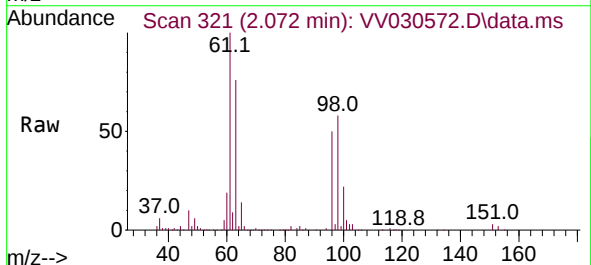
Instrument :
 MSVOA_V
 ClientSampleId :
 BHDZ1

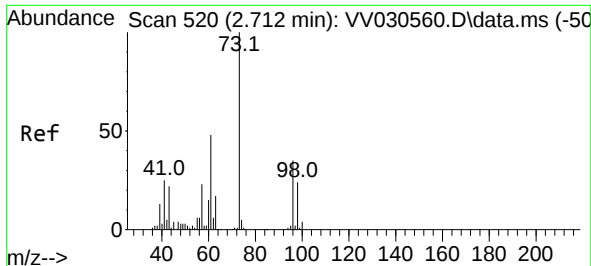
Tgt Ion:101 Resp: 4684
 Ion Ratio Lower Upper
 101 100
 85 47.8 38.1 57.1
 151 70.6 62.7 94.1



#12
 1,1-Dichloroethene
 Concen: 4.366 ug/L
 RT: 2.072 min Scan# 321
 Delta R.T. 0.000 min
 Lab File: VV030572.D
 Acq: 14 Apr 2023 14:47

Tgt Ion: 96 Resp: 40955
 Ion Ratio Lower Upper
 96 100
 61 199.8 136.3 253.1
 63 151.8 92.1 171.1





#17

Methyl tert-butyl Ether

Concen: 0.765 ug/L

RT: 2.715 min Scan# 51

Delta R.T. 0.003 min

Lab File: VV030572.D

Acq: 14 Apr 2023 14:47

Instrument :

MSVOA_V

ClientSampleId :

BHDZ1

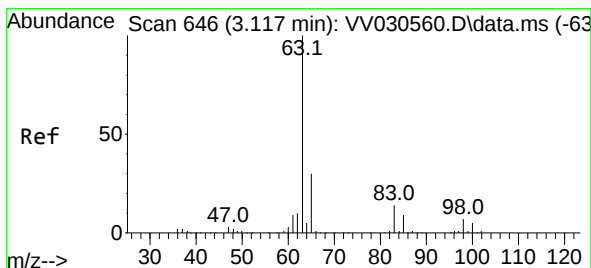
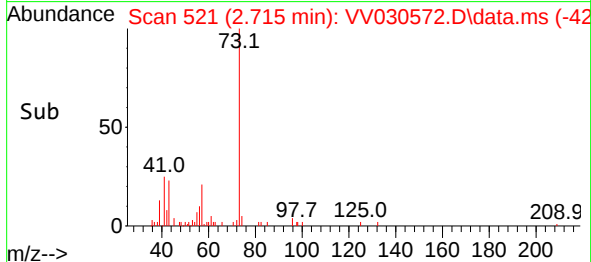
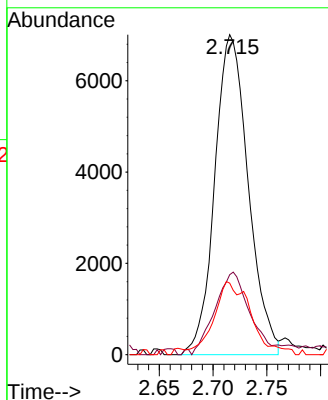
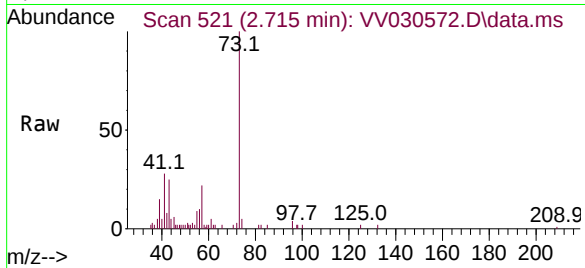
Tgt Ion: 73 Resp: 15208

Ion Ratio Lower Upper

73 100

43 26.7 17.4 26.2#

57 25.4 18.3 27.5



#19

1,1-Dichloroethane

Concen: 2.013 ug/L

RT: 3.121 min Scan# 647

Delta R.T. 0.003 min

Lab File: VV030572.D

Acq: 14 Apr 2023 14:47

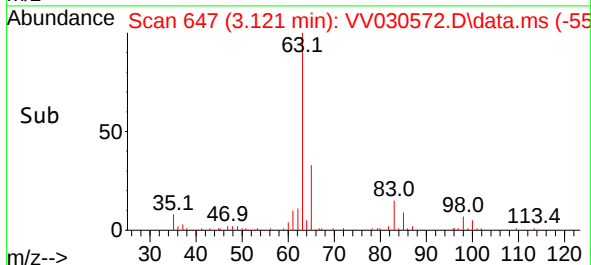
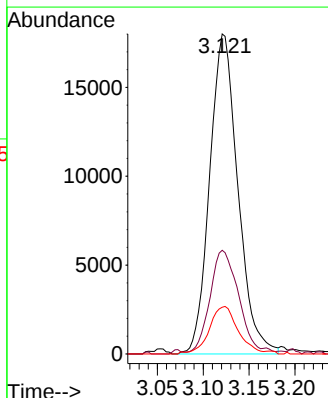
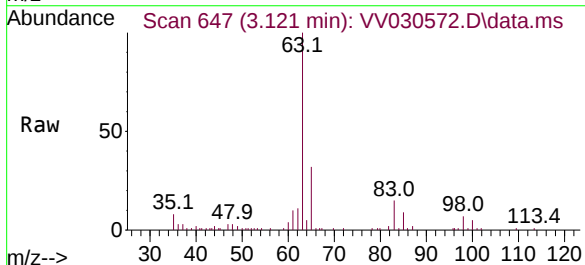
Tgt Ion: 63 Resp: 38567

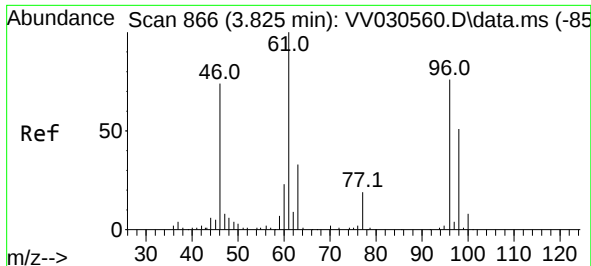
Ion Ratio Lower Upper

63 100

65 32.4 21.7 40.3

83 14.6 9.1 16.9





#22

cis-1,2-Dichloroethene

Concen: 10.451 ug/L

RT: 3.828 min Scan# 8

Delta R.T. 0.003 min

Lab File: VV030572.D

Acq: 14 Apr 2023 14:47

Instrument :

MSVOA_V

ClientSampleId :

BHDZ1

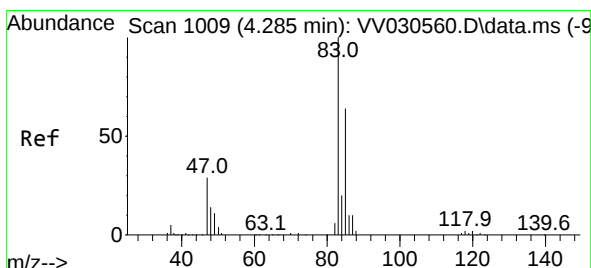
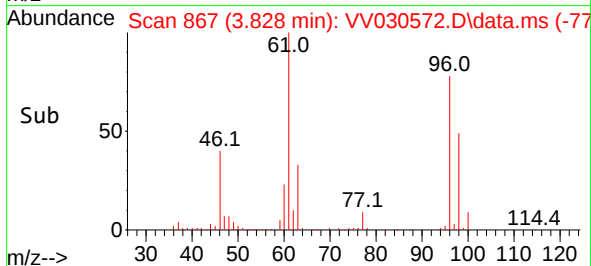
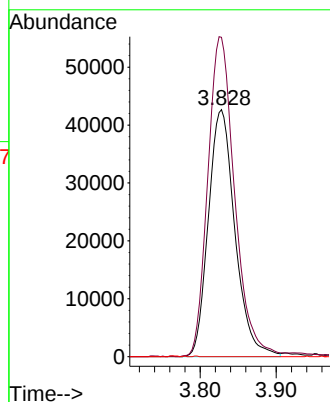
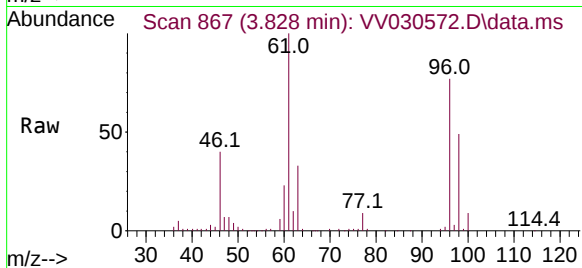
Tgt Ion: 96 Resp: 103649

Ion Ratio Lower Upper

96 100

61 129.2 92.0 170.8

68 0.0 0.0 0.0



#25

Chloroform

Concen: 0.663 ug/L

RT: 4.288 min Scan# 1010

Delta R.T. 0.003 min

Lab File: VV030572.D

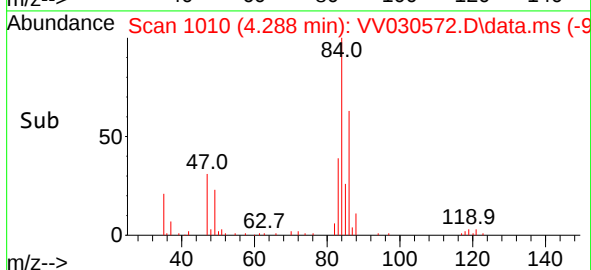
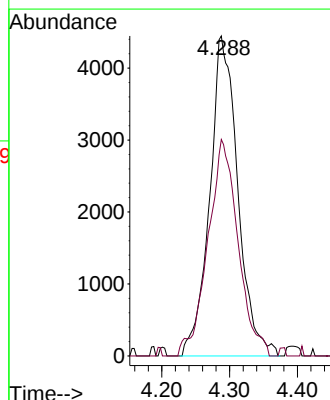
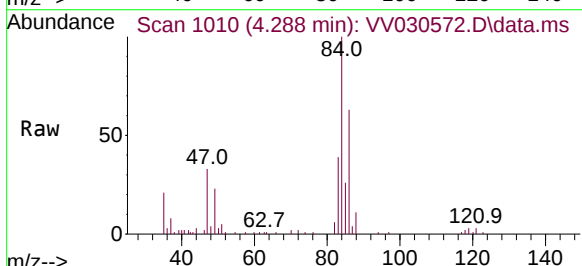
Acq: 14 Apr 2023 14:47

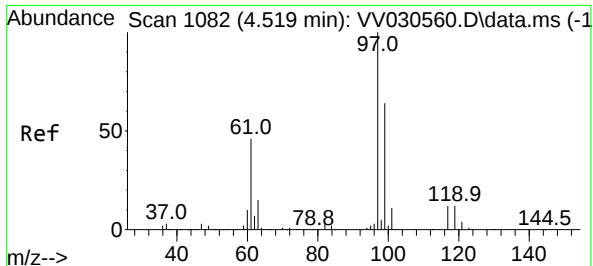
Tgt Ion: 83 Resp: 12830

Ion Ratio Lower Upper

83 100

85 67.7 47.6 88.4





#29

1,1,1-Trichloroethane

Concen: 1.133 ug/L

RT: 4.526 min Scan# 1084

Delta R.T. 0.006 min

Lab File: VV030572.D

Acq: 14 Apr 2023 14:47

Instrument :

MSVOA_V

ClientSampleId :

BHDZ1

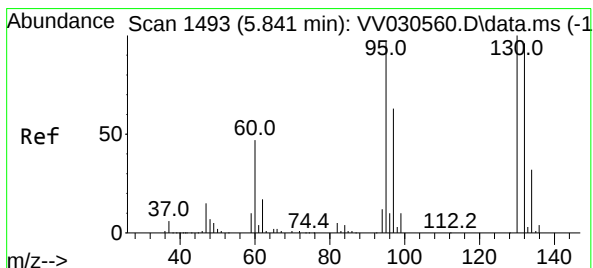
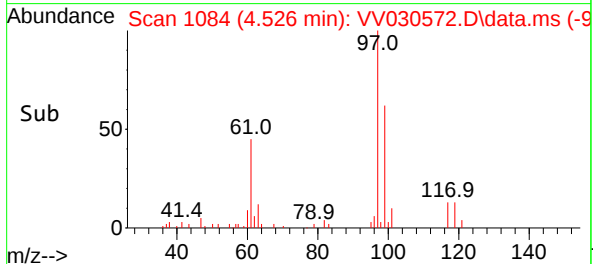
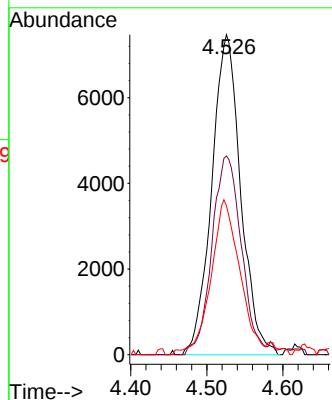
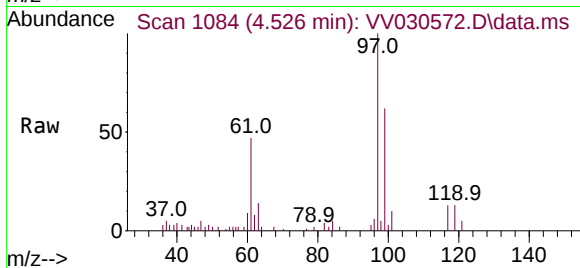
Tgt Ion: 97 Resp: 19773

Ion Ratio Lower Upper

97 100

99 63.0 50.9 76.3

61 48.1 35.9 53.9



#34

Trichloroethene

Concen: 16.402 ug/L

RT: 5.844 min Scan# 1494

Delta R.T. 0.003 min

Lab File: VV030572.D

Acq: 14 Apr 2023 14:47

Tgt Ion: 95 Resp: 170590

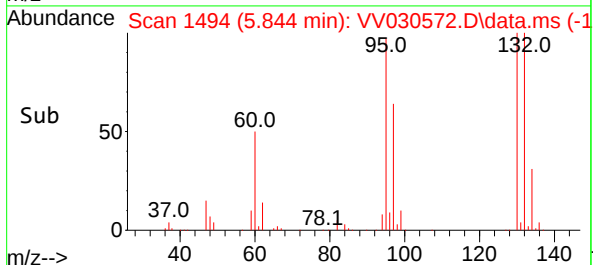
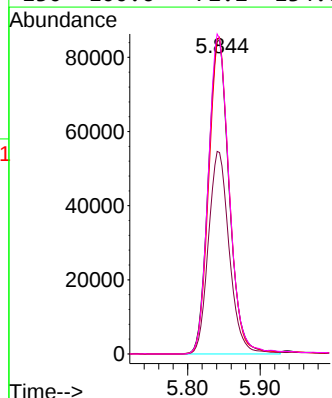
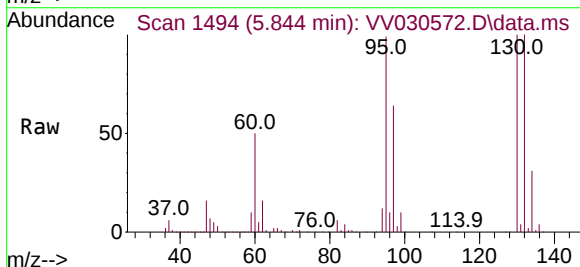
Ion Ratio Lower Upper

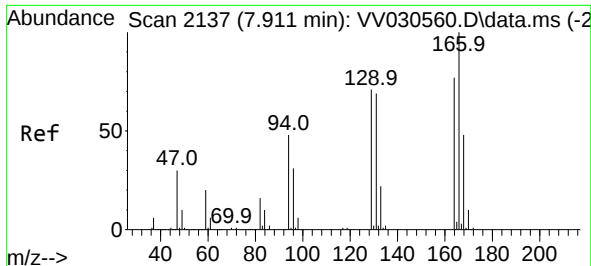
95 100

97 64.2 44.2 82.2

132 101.1 69.5 129.1

130 100.6 72.2 134.0





#47

Tetrachloroethene

Concen: 12.358 ug/L

RT: 7.915 min Scan# 2137

Delta R.T. 0.003 min

Lab File: VV030572.D

Acq: 14 Apr 2023 14:47

Instrument :

MSVOA_V

ClientSampleId :

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Tgt Ion:164 Resp: 113436

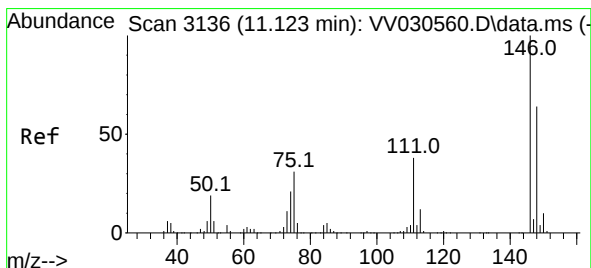
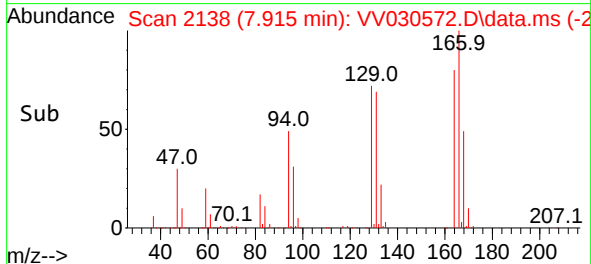
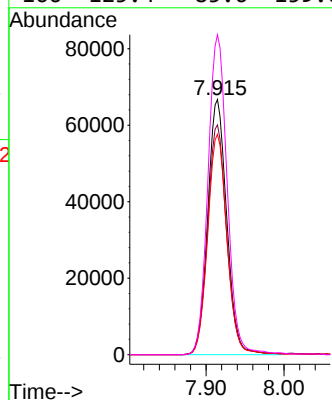
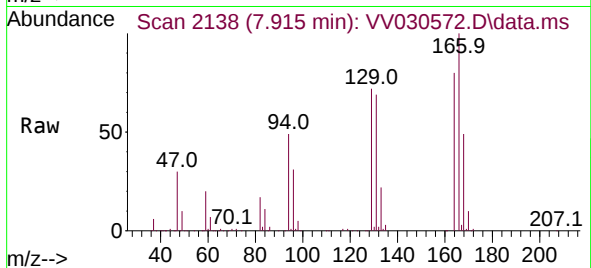
Ion Ratio Lower Upper

164 100

129 90.1 60.8 112.8

131 86.4 61.7 114.7

166 125.4 85.6 159.0



#64

1,3-Dichlorobenzene

Concen: 0.170 ug/L

RT: 11.130 min Scan# 3138

Delta R.T. 0.006 min

Lab File: VV030572.D

Acq: 14 Apr 2023 14:47

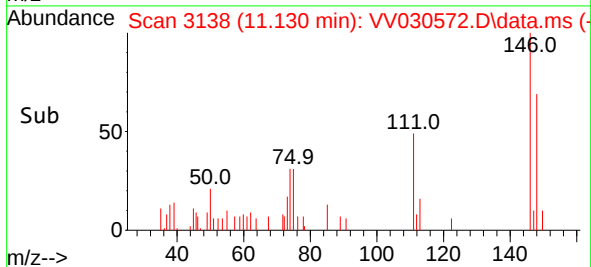
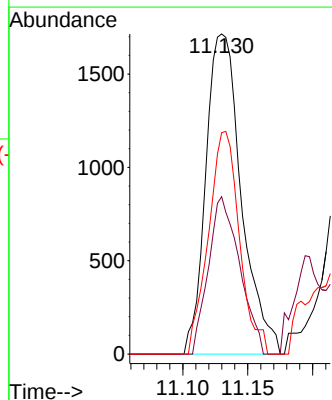
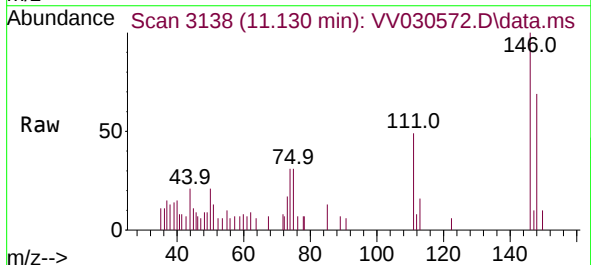
Tgt Ion:146 Resp: 3264

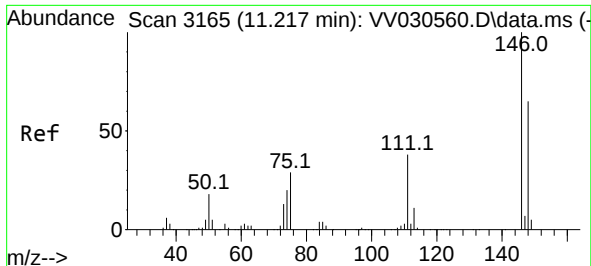
Ion Ratio Lower Upper

146 100

111 49.2 27.0 50.2

148 69.2 44.2 82.2

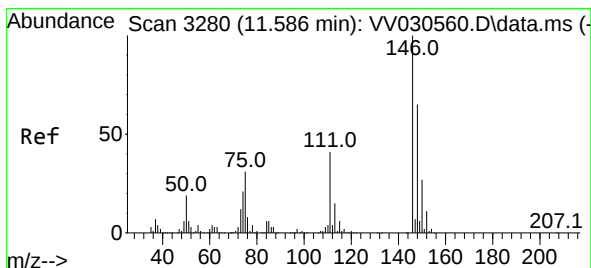
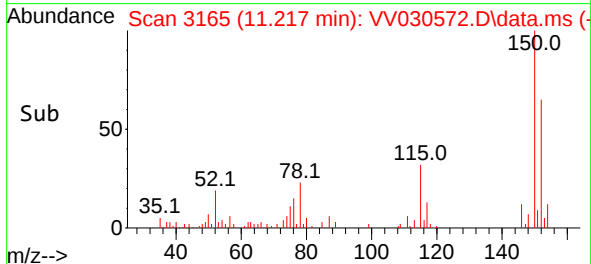
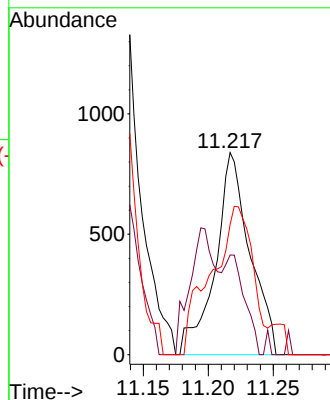
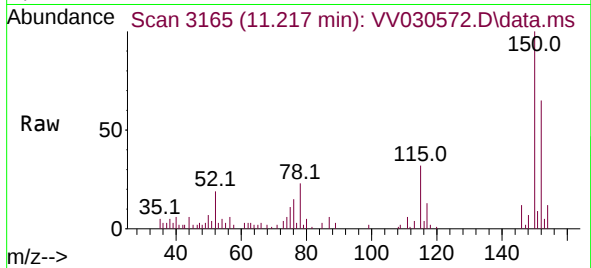




#65
1,4-Dichlorobenzene
Concen: 0.080 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. 0.000 min
Lab File: VV030572.D
Acq: 14 Apr 2023 14:47

Instrument :
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Tgt Ion:146 Resp: 1548
Ion Ratio Lower Upper
146 100
111 49.3 26.0 48.4#
148 64.5 45.2 84.0



#67
1,2-Dichlorobenzene
Concen: 0.073 ug/L
RT: 11.590 min Scan# 3281
Delta R.T. 0.003 min
Lab File: VV030572.D
Acq: 14 Apr 2023 14:47

Tgt Ion:146 Resp: 1270
Ion Ratio Lower Upper
146 100
111 57.6 33.1 49.7#
148 72.5 52.2 78.2

