

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW050523\
 Data File : VW030997.D
 Acq On : 05 May 2023 16:20
 Operator : SY/MD
 Sample : 02613-05
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AA4

Quant Time: May 06 01:48:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR042823WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat May 06 01:44:36 2023
 Response via : Initial Calibration

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

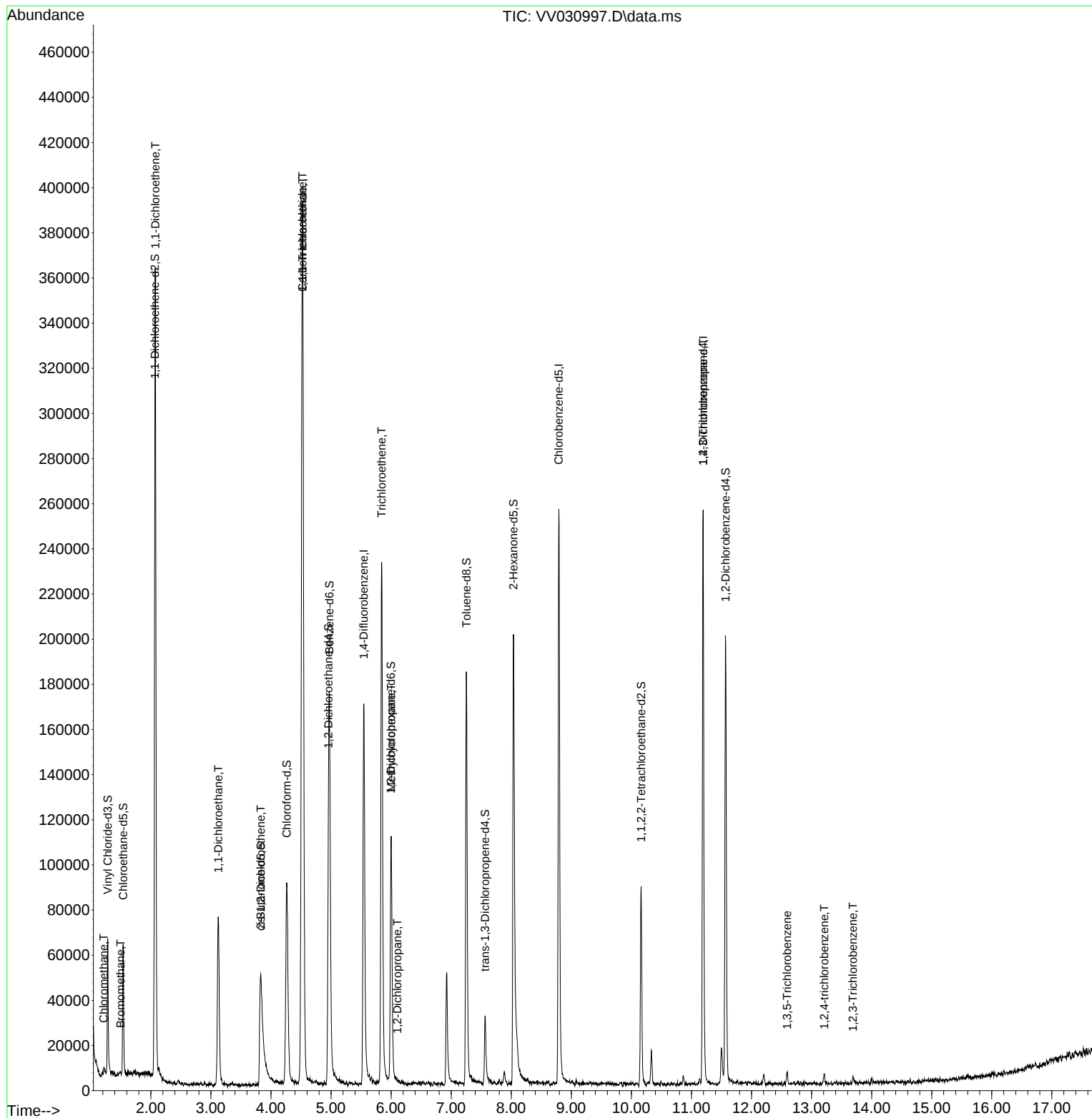
Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	145111	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	140942	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	69877	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	39055	3.267	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	65.400%
7) Chloroethane-d5	1.539	69	34822	3.570	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	71.400%
11) 1,1-Dichloroethene-d2	2.066	65	21715	3.432	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.600%
20) 2-Butanone-d5	3.828	46	102252	48.230	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.460%
24) Chloroform-d	4.262	84	91441	3.849	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.000%
26) 1,2-Dichloroethane-d4	4.957	65	50733	4.200	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.000%
32) Benzene-d6	4.973	84	150532	3.644	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	72.800%
36) 1,2-Dichloropropane-d6	5.998	67	44763	3.726	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	74.600%
41) Toluene-d8	7.252	98	124023	3.152	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	63.000%#
43) trans-1,3-Dichloroprop...	7.564	79	16923	3.758	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.200%
46) 2-Hexanone-d5	8.037	63	69889	44.298	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.600%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	37380	4.293	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.800%
66) 1,2-Dichlorobenzene-d4	11.571	152	53835	4.133	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.600%
Target Compounds						Qvalue
3) Chloromethane	1.217	50	2119	0.158	ug/L	96
6) Bromomethane	1.497	94	572	0.107	ug/L	83
12) 1,1-Dichloroethene	2.076	96	78066	7.994	ug/L #	74
19) 1,1-Dichloroethane	3.124	63	73189	4.249	ug/L	99
22) cis-1,2-Dichloroethene	3.831	96	3920	0.417	ug/L	100
29) 1,1,1-Trichloroethane	4.526	97	321067	18.129	ug/L	99
31) Carbon tetrachloride	4.526	117	39380	2.475	ug/L	97
34) Trichloroethene	5.841	95	78127	8.267	ug/L	99
35) Methylcyclohexane	6.002	83	12211	0.834	ug/L #	18
37) 1,2-Dichloropropane	6.101	63	522	0.062	ug/L #	96
61) 1,2,3-Trichloropropane	11.194	75	7063	1.609	ug/L #	58
69) 1,3,5-Trichlorobenzene	12.593	180	1501	0.098	ug/L #	92
70) 1,2,4-trichlorobenzene	13.214	180	1344	0.114	ug/L #	95
72) 1,2,3-Trichlorobenzene	13.689	180	774	0.078	ug/L	92

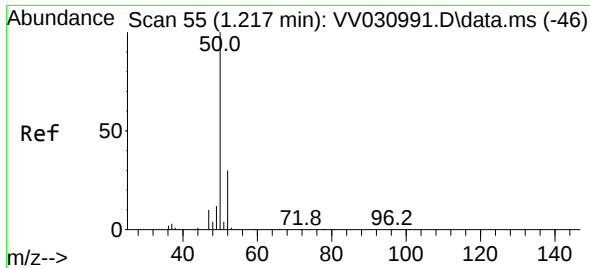
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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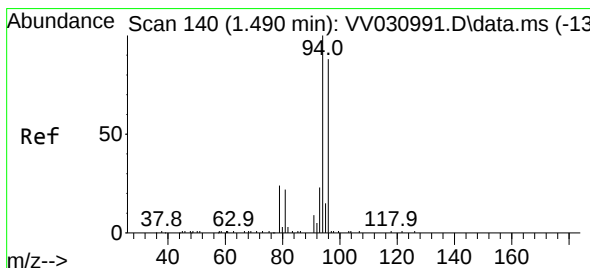
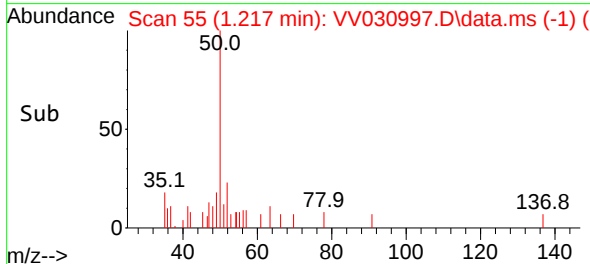
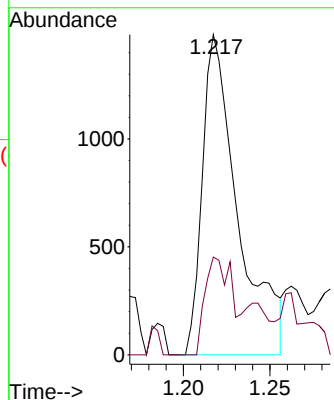
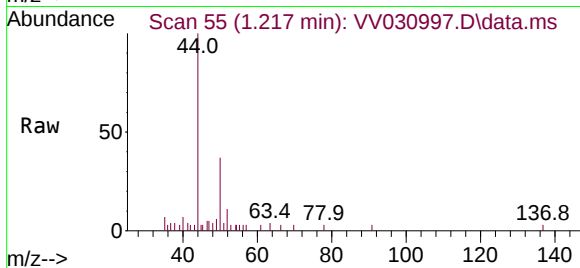




#3
Chloromethane
Concen: 0.158 ug/L
RT: 1.217 min Scan# 51
Delta R.T. 0.000 min
Lab File: VV030997.D
Acq: 05 May 2023 16:20

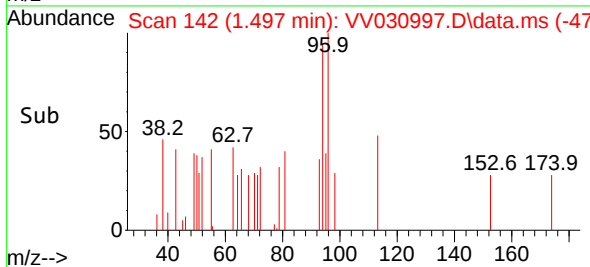
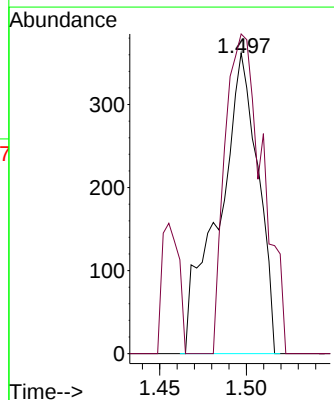
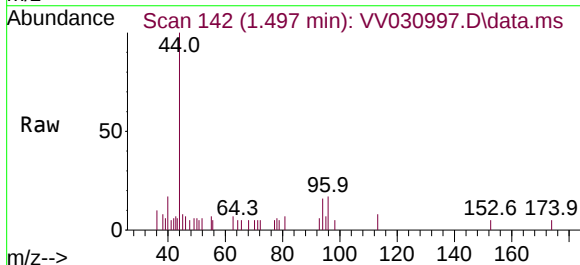
Instrument :
MSVOA_V
ClientSampleId :
C0AA4

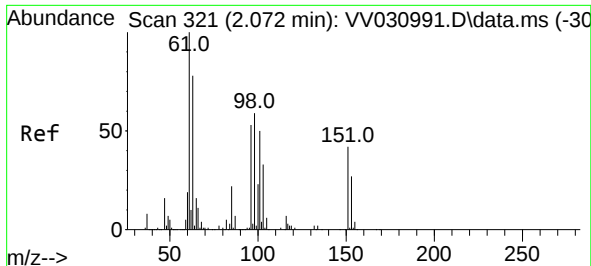
Tgt Ion: 50 Resp: 2119
Ion Ratio Lower Upper
50 100
52 30.5 22.8 42.4



#6
Bromomethane
Concen: 0.107 ug/L
RT: 1.497 min Scan# 142
Delta R.T. 0.007 min
Lab File: VV030997.D
Acq: 05 May 2023 16:20

Tgt Ion: 94 Resp: 572
Ion Ratio Lower Upper
94 100
96 106.4 63.4 117.8





#12

1,1-Dichloroethene

Concen: 7.994 ug/L

RT: 2.076 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV030997.D

Acq: 05 May 2023 16:20

Instrument :

MSVOA_V

ClientSampleId :

C0AA4

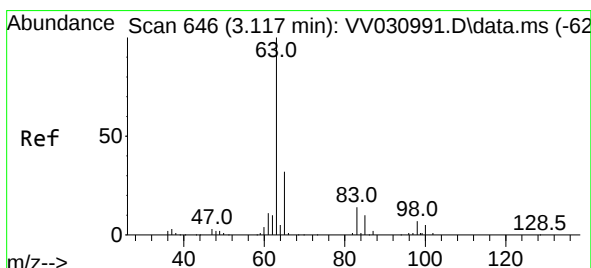
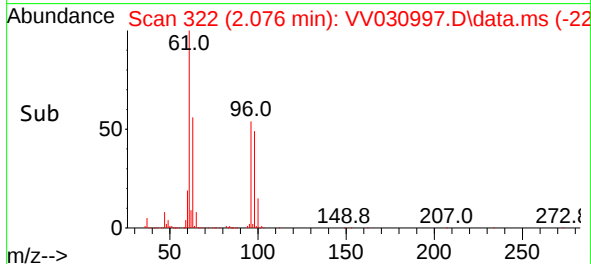
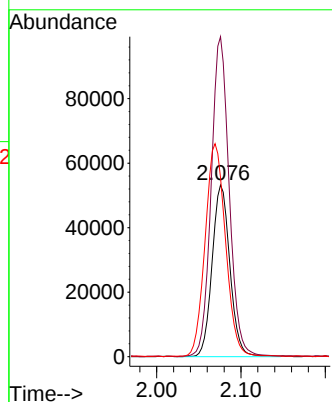
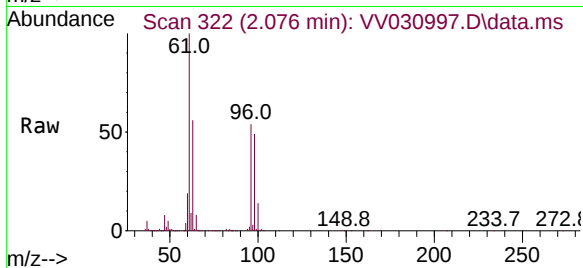
Tgt Ion: 96 Resp: 78066

Ion Ratio Lower Upper

96 100

61 186.4 135.6 251.8

63 104.4 121.1 224.9#



#19

1,1-Dichloroethane

Concen: 4.249 ug/L

RT: 3.124 min Scan# 648

Delta R.T. 0.007 min

Lab File: VV030997.D

Acq: 05 May 2023 16:20

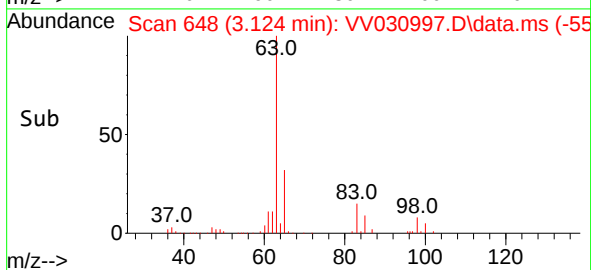
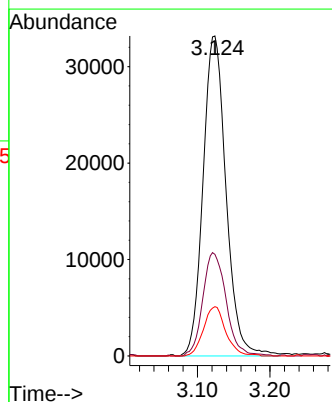
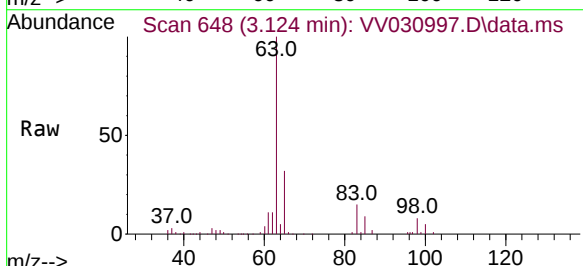
Tgt Ion: 63 Resp: 73189

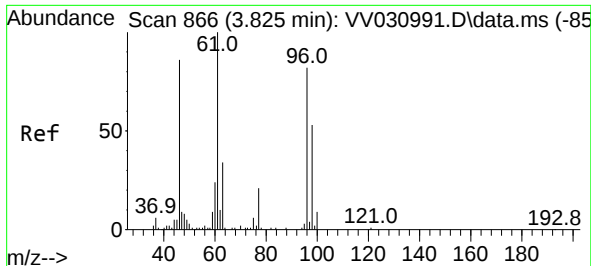
Ion Ratio Lower Upper

63 100

65 31.8 21.8 40.6

83 15.4 10.2 19.0





#22

cis-1,2-Dichloroethene

Concen: 0.417 ug/L

RT: 3.831 min Scan# 80

Delta R.T. 0.007 min

Lab File: VV030997.D

Acq: 05 May 2023 16:20

Instrument :

MSVOA_V

ClientSampleId :

C0AA4

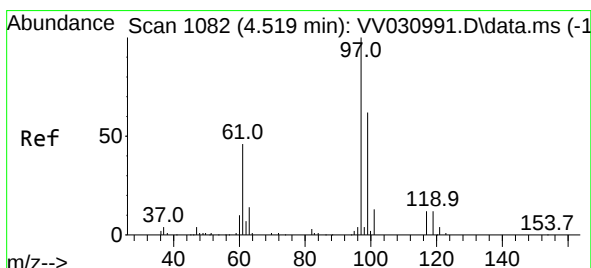
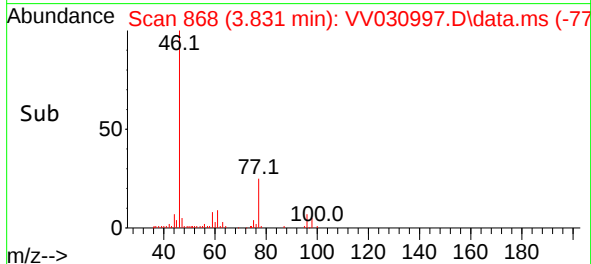
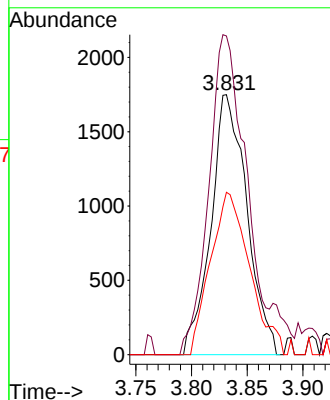
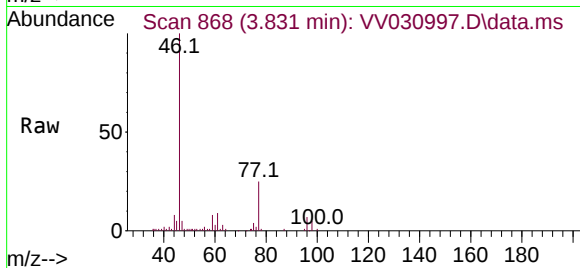
Tgt Ion: 96 Resp: 3920

Ion Ratio Lower Upper

96 100

61 122.6 86.0 159.6

98 62.5 43.2 80.2



#29

1,1,1-Trichloroethane

Concen: 18.129 ug/L

RT: 4.526 min Scan# 1084

Delta R.T. 0.007 min

Lab File: VV030997.D

Acq: 05 May 2023 16:20

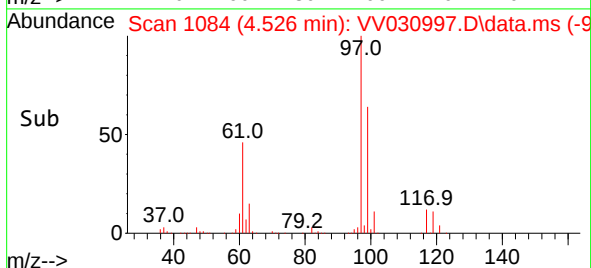
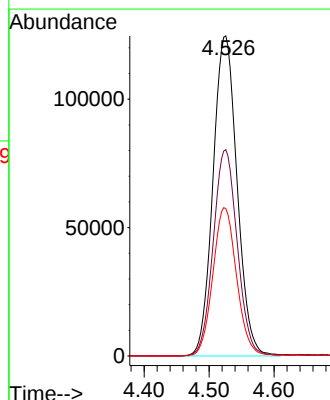
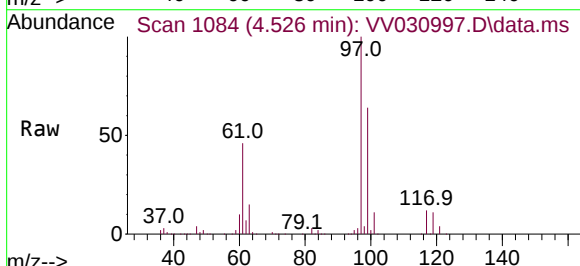
Tgt Ion: 97 Resp: 321067

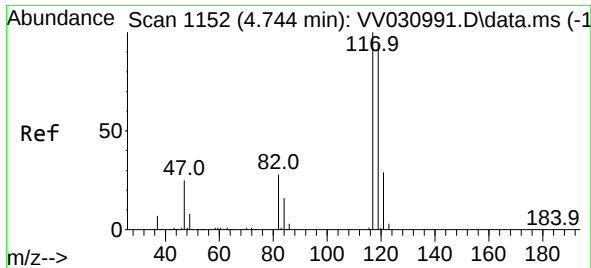
Ion Ratio Lower Upper

97 100

99 64.3 51.4 77.2

61 45.7 37.4 56.0

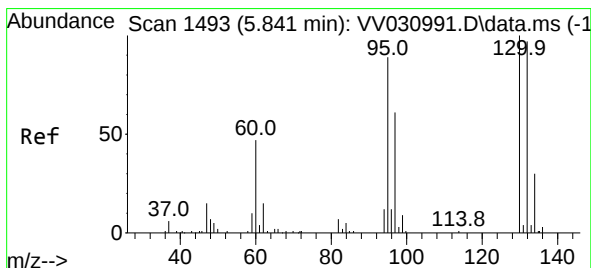
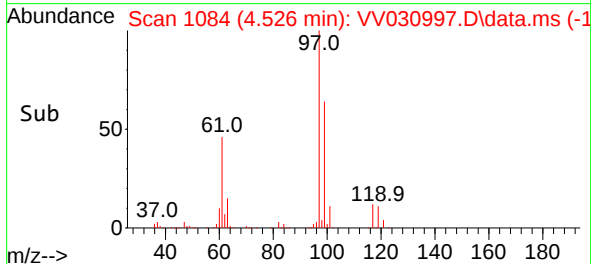
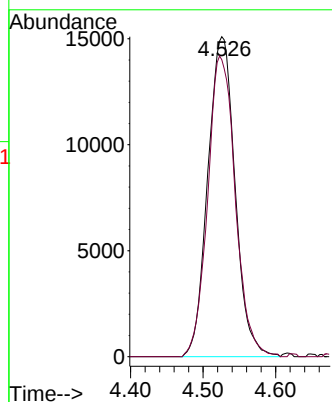
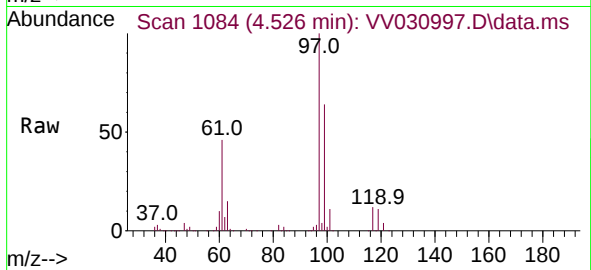




#31
Carbon tetrachloride
Concen: 2.475 ug/L
RT: 4.526 min Scan# 1084
Delta R.T. -0.218 min
Lab File: VV030997.D
Acq: 05 May 2023 16:20

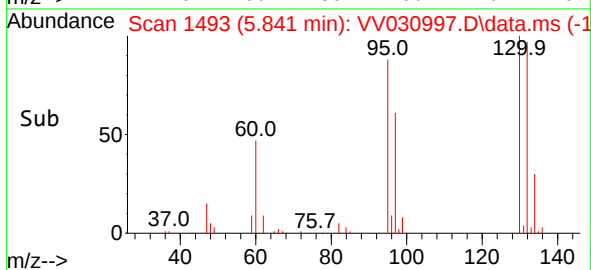
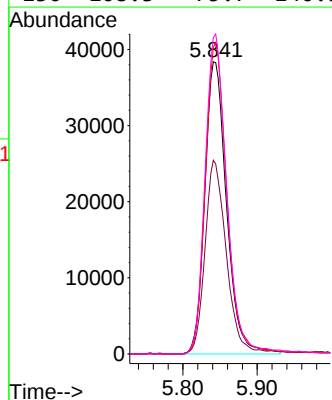
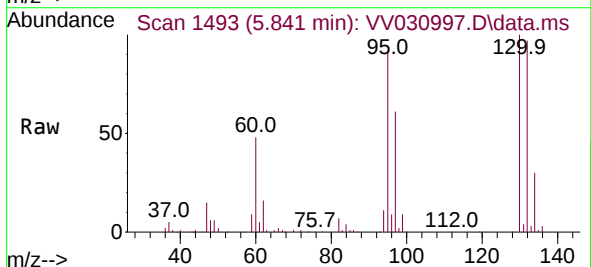
Instrument :
MSVOA_V
ClientSampleId :
C0AA4

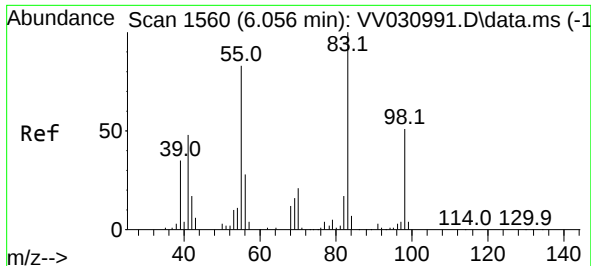
Tgt Ion:117 Resp: 39380
Ion Ratio Lower Upper
117 100
119 95.1 78.4 117.6



#34
Trichloroethene
Concen: 8.267 ug/L
RT: 5.841 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VV030997.D
Acq: 05 May 2023 16:20

Tgt Ion: 95 Resp: 78127
Ion Ratio Lower Upper
95 100
97 66.3 46.2 85.8
132 104.9 72.7 135.1
130 108.3 75.7 140.5





#35

Methylcyclohexane

Concen: 0.834 ug/L

RT: 6.002 min Scan# 1

Delta R.T. -0.054 min

Lab File: VV030997.D

Acq: 05 May 2023 16:20

Instrument :

MSVOA_V

ClientSampleId :

C0AA4

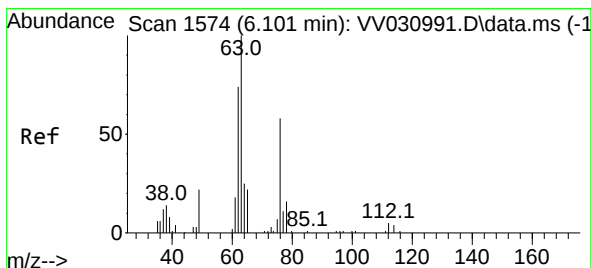
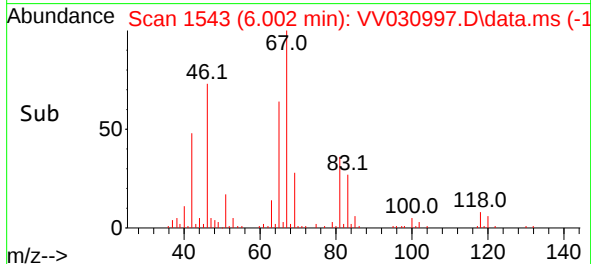
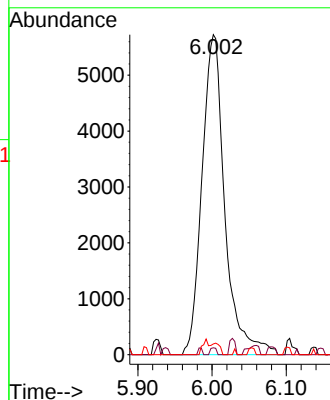
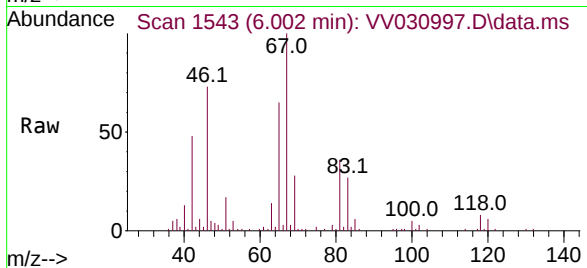
Tgt Ion: 83 Resp: 12211

Ion Ratio Lower Upper

83 100

55 0.5 62.9 94.3#

98 1.1 40.5 60.7#



#37

1,2-Dichloropropane

Concen: 0.062 ug/L

RT: 6.101 min Scan# 1574

Delta R.T. 0.000 min

Lab File: VV030997.D

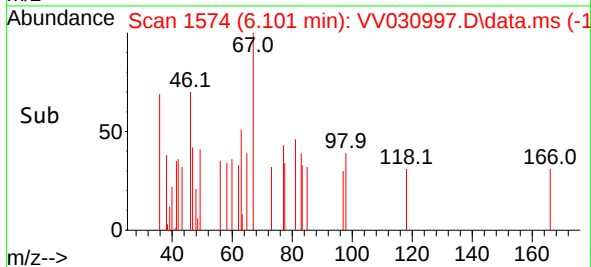
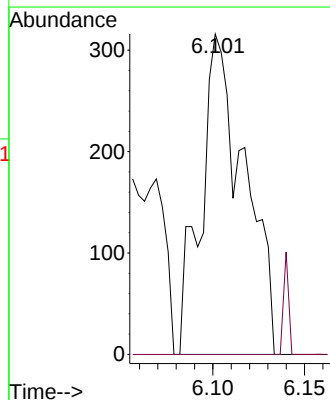
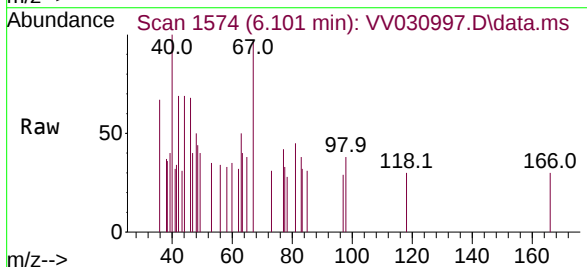
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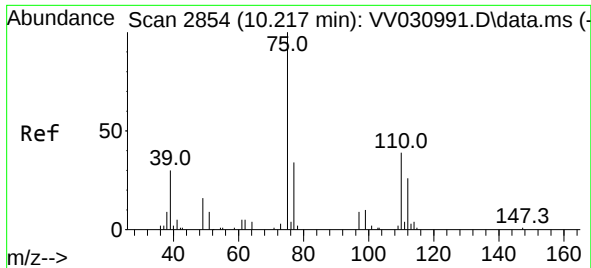
Tgt Ion: 63 Resp: 522

Ion Ratio Lower Upper

63 100

112 3.6 3.8 5.8#

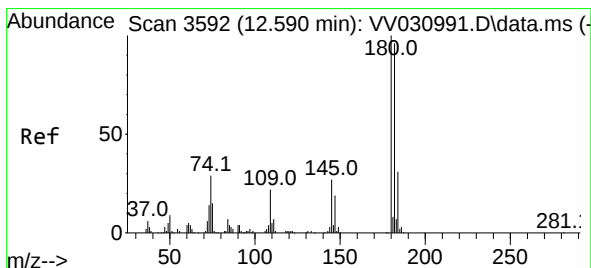
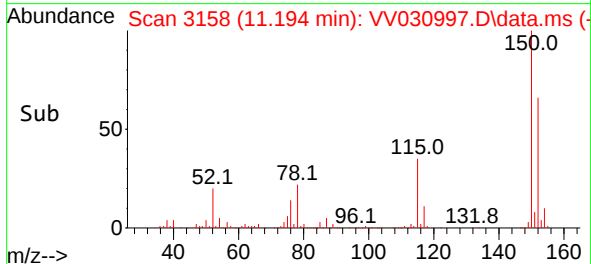
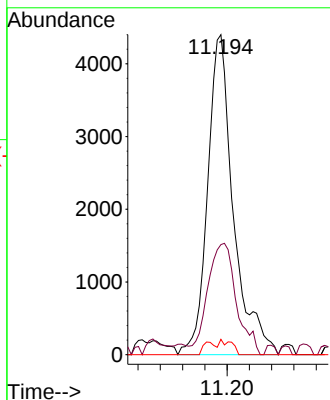
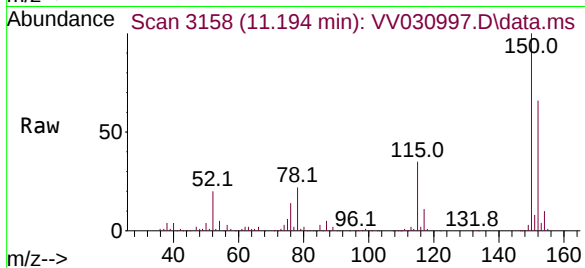




#61
1,2,3-Trichloropropane
Concen: 1.609 ug/L
RT: 11.194 min Scan# 3158
Delta R.T. 0.978 min
Lab File: VV030997.D
Acq: 05 May 2023 16:20

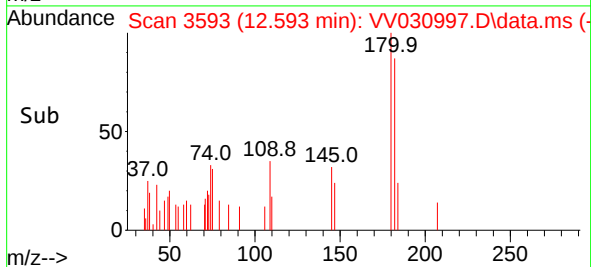
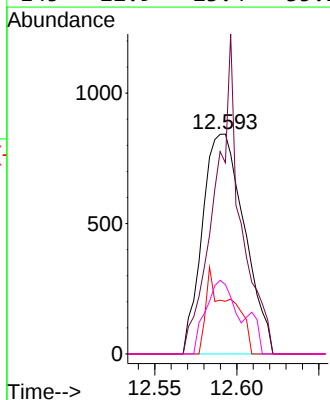
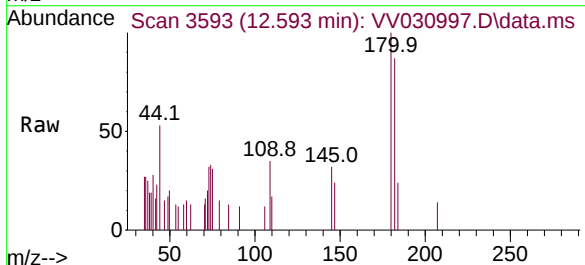
Instrument :
MSVOA_V
ClientSampleId :
C0AA4

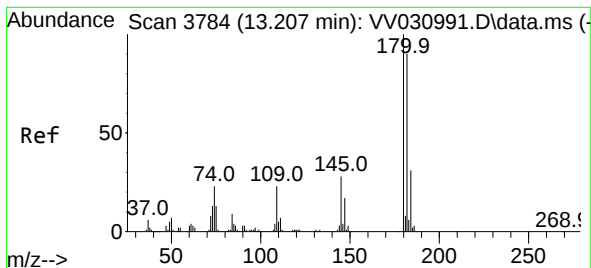
Tgt Ion: 75 Resp: 7063
Ion Ratio Lower Upper
75 100
77 38.9 25.3 37.9#
110 2.2 34.0 51.0#



#69
1,3,5-Trichlorobenzene
Concen: 0.098 ug/L
RT: 12.593 min Scan# 3593
Delta R.T. 0.003 min
Lab File: VV030997.D
Acq: 05 May 2023 16:20

Tgt Ion: 180 Resp: 1501
Ion Ratio Lower Upper
180 100
182 88.7 75.1 112.7
184 22.7 24.1 36.1#
145 22.9 23.4 35.2#





#70

1,2,4-trichlorobenzene

Concen: 0.114 ug/L

RT: 13.214 min Scan# 31

Delta R.T. 0.007 min

Lab File: VV030997.D

Acq: 05 May 2023 16:20

Instrument :

MSVOA_V

ClientSampleId :

C0AA4

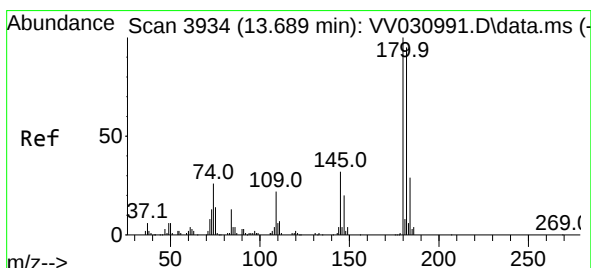
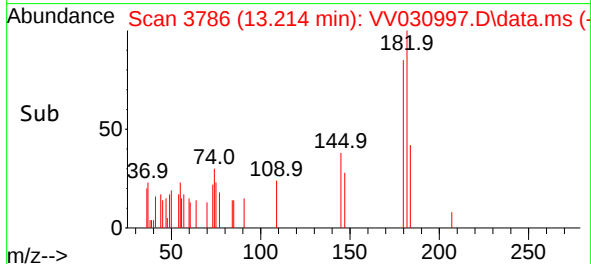
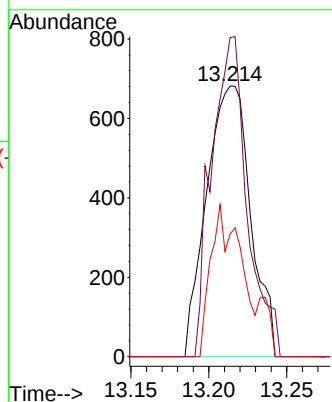
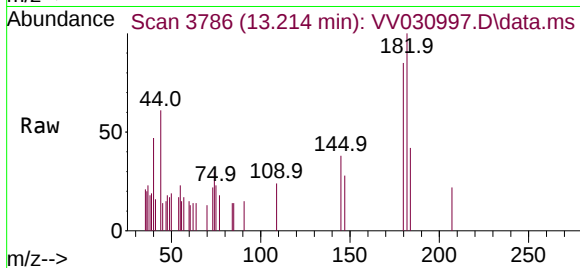
Tgt Ion:180 Resp: 1344

Ion Ratio Lower Upper

180 100

182 95.7 76.0 114.0

145 38.4 22.9 34.3#



#72

1,2,3-Trichlorobenzene

Concen: 0.078 ug/L

RT: 13.689 min Scan# 3934

Delta R.T. 0.000 min

Lab File: VV030997.D

Acq: 05 May 2023 16:20

Tgt Ion:180 Resp: 774

Ion Ratio Lower Upper

180 100

182 103.6 77.3 115.9

145 35.9 24.7 37.1

