

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU041023\
 Data File : VU053611.D
 Acq On : 10 Apr 2023 11:39
 Operator : JC/MD
 Sample : 02251-08
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 COMC6

Quant Time: Apr 11 02:21:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM033123WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 11 02:19:45 2023
 Response via : Initial Calibration

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

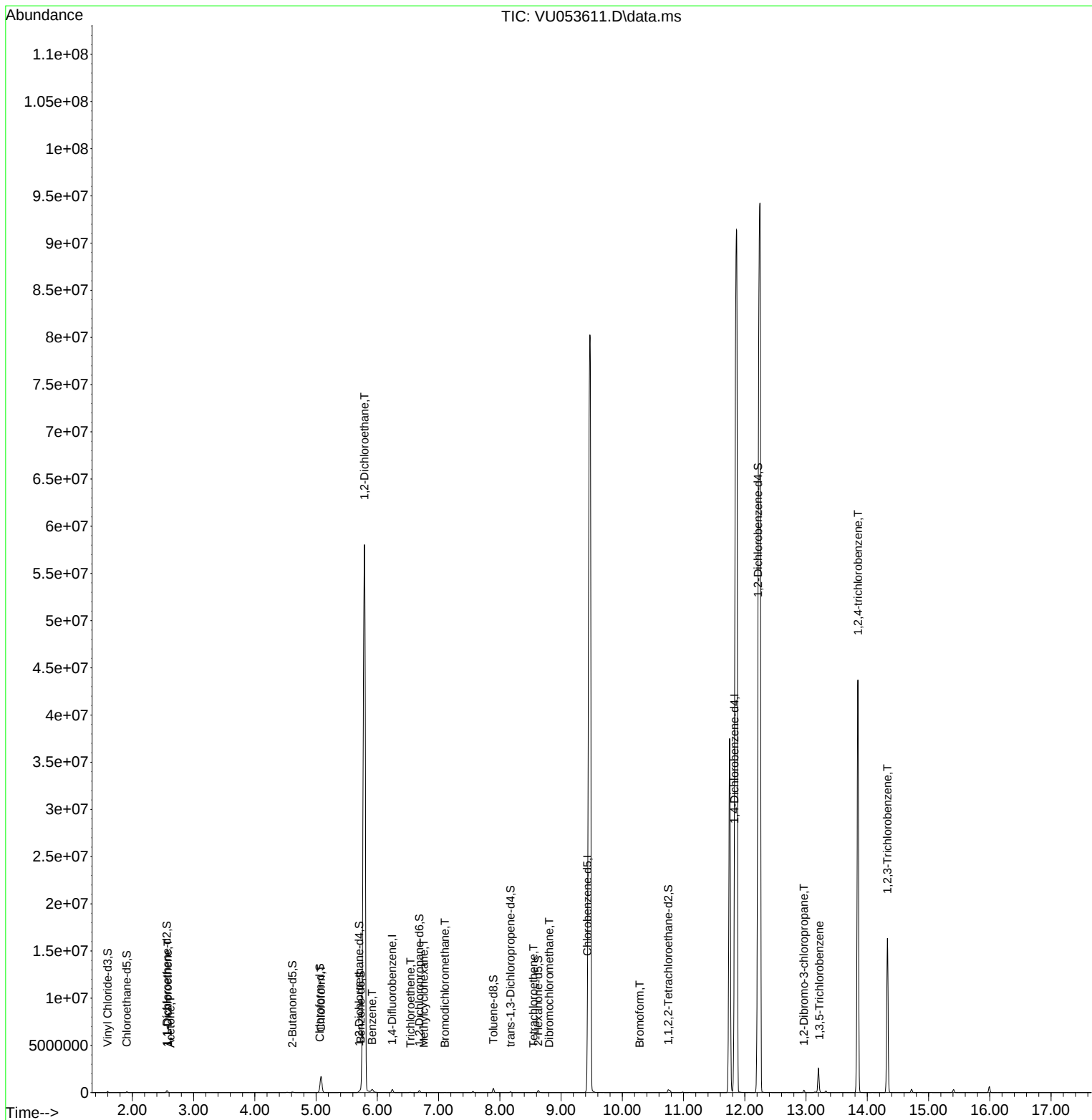
Internal Standards						
1) 1,4-Difluorobenzene	6.243	114	276369	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.430	117	291934	50.000	ug/L	0.02
58) 1,4-Dichlorobenzene-d4	11.828	152	196248	50.000	ug/L	# 0.02

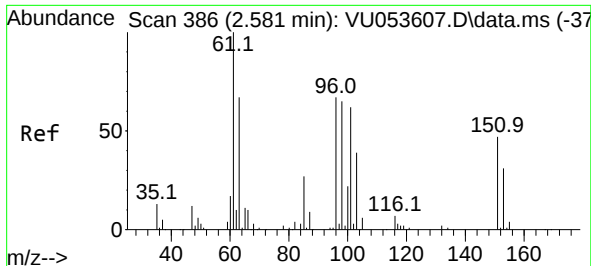
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	87425	40.625	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.260%
7) Chloroethane-d5	1.909	69	74521	44.913	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.820%
11) 1,1-Dichloroethene-d2	2.565	63	115073	34.544	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.080%
21) 2-Butanone-d5	4.613	46	97666	100.240	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.240%
24) Chloroform-d	5.060	84	209036	58.735	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	117.460%
26) 1,2-Dichloroethane-d4	5.703	65	98277	46.732	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.460%
32) Benzene-d6	5.729	84	329156	41.771	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.540%
36) 1,2-Dichloropropane-d6	6.687	67	100935	41.906	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	83.820%
41) Toluene-d8	7.896	98	307835	39.304	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.600%#
43) trans-1,3-Dichloroprop...	8.176	79	48721	39.187	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.380%
47) 2-Hexanone-d5	8.629	63	80521	97.955	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.960%
56) 1,1,2,2-Tetrachloroeth...	10.751	84	147844	43.550	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	87.100%
66) 1,2-Dichlorobenzene-d4	12.214	152	175326	42.800	ug/L	0.03
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.600%

Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.578	96	18183	10.722	ug/L #	3
13) Acetone	2.623	43	4253	4.857	ug/L	94
25) Chloroform	5.083	83	1465001	452.428	ug/L	99
27) 1,2-Dichloroethane	5.790	62	742862	313.260	ug/L #	72
33) Benzene	5.915	78	423957	55.739	ug/L	100
34) Trichloroethene	6.542	95	9822	4.270	ug/L	95
35) Methylcyclohexane	6.761	83	6894	2.039	ug/L #	79
38) Bromodichloromethane	7.102	83	8390	3.256	ug/L #	96
46) Tetrachloroethene	8.549	164	4896	2.565	ug/L	98
49) Dibromochloromethane	8.806	129	3597	1.631	ug/L	97
59) Bromoform	10.285	173	6838	3.404	ug/L	93
68) 1,2-Dibromo-3-chloropr...	12.967	75	41692	54.961	ug/L #	1
69) 1,3,5-Trichlorobenzene	13.217	180	8771	1.954	ug/L	98
70) 1,2,4-trichlorobenzene	13.848	180	13732865	3299.203	ug/L	98
72) 1,2,3-Trichlorobenzene	14.330	180	4862014	1169.443	ug/L	99

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

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 10.722 ug/L

RT: 2.578 min Scan# 386

Delta R.T. -0.003 min

Lab File: VU053611.D

Acq: 10 Apr 2023 11:39

Instrument :

MSVOA_U

ClientSampleId :

COMC6

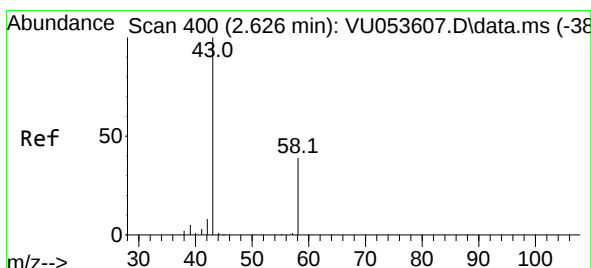
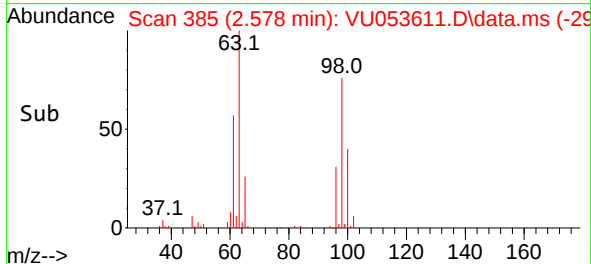
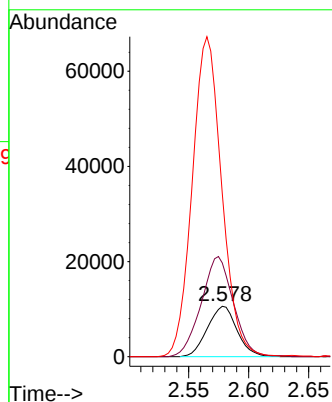
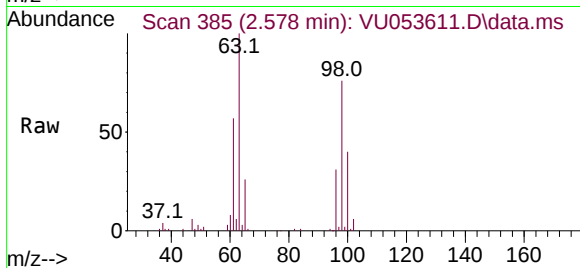
Tgt Ion: 96 Resp: 18183

Ion Ratio Lower Upper

96 100

61 185.7 107.9 200.5

63 323.3 79.1 146.9#



#13

Acetone

Concen: 4.857 ug/L

RT: 2.623 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU053611.D

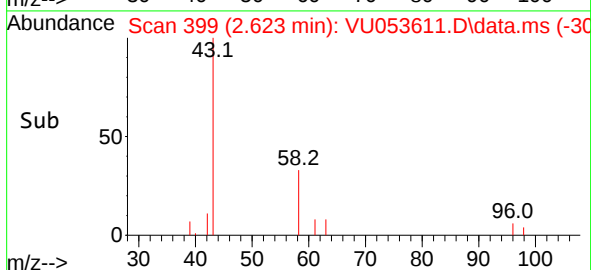
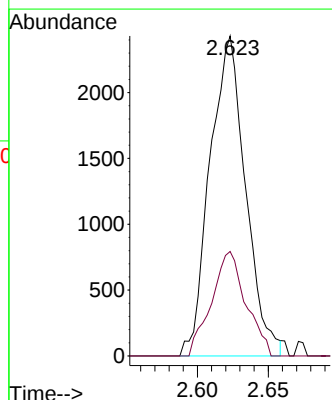
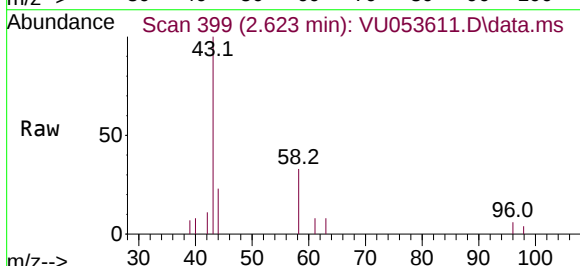
Acq: 10 Apr 2023 11:39

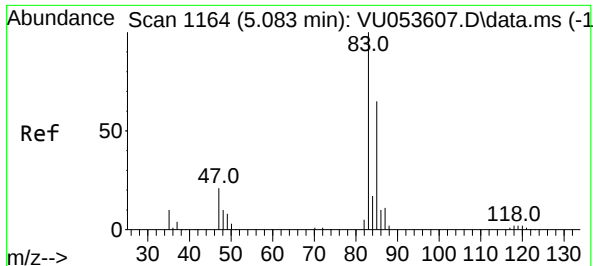
Tgt Ion: 43 Resp: 4253

Ion Ratio Lower Upper

43 100

58 31.5 0.0 70.2

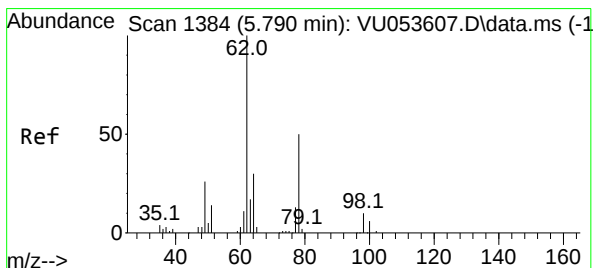
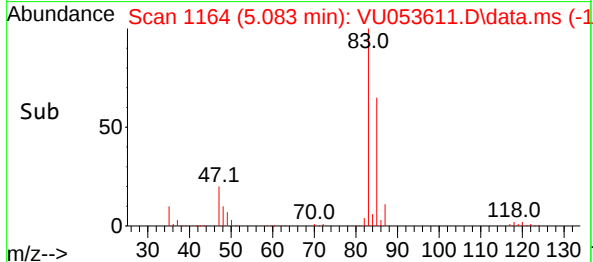
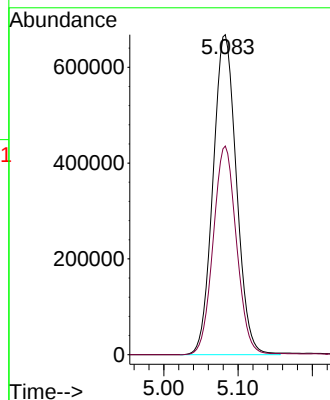
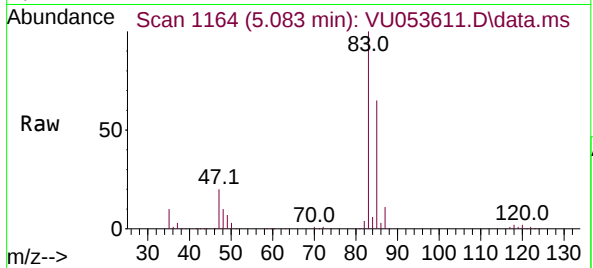




#25
Chloroform
Concen: 452.428 ug/L
RT: 5.083 min Scan# 1164
Delta R.T. -0.000 min
Lab File: VU053611.D
Acq: 10 Apr 2023 11:39

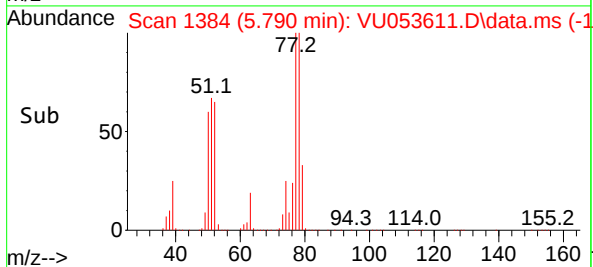
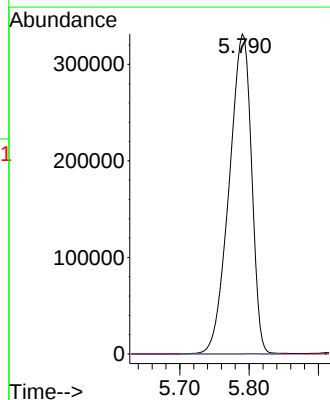
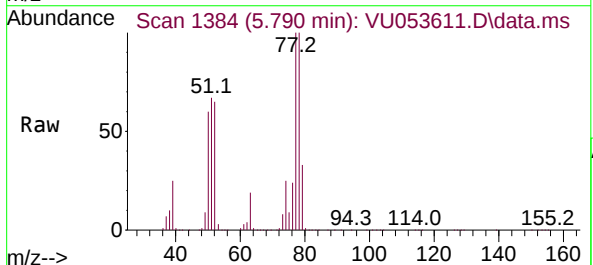
Instrument :
MSVOA_U
ClientSampleId :
COMC6

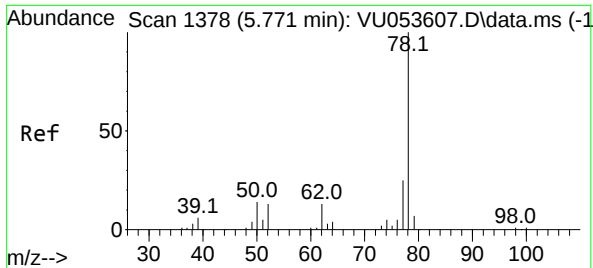
Tgt Ion: 83 Resp: 1465001
Ion Ratio Lower Upper
83 100
85 65.2 46.1 85.5



#27
1,2-Dichloroethane
Concen: 313.260 ug/L
RT: 5.790 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VU053611.D
Acq: 10 Apr 2023 11:39

Tgt Ion: 62 Resp: 742862
Ion Ratio Lower Upper
62 100
98 0.0 8.3 12.5#





#33

Benzene

Concen: 55.739 ug/L

RT: 5.915 min Scan# 14

Delta R.T. 0.145 min

Lab File: VU053611.D

Acq: 10 Apr 2023 11:39

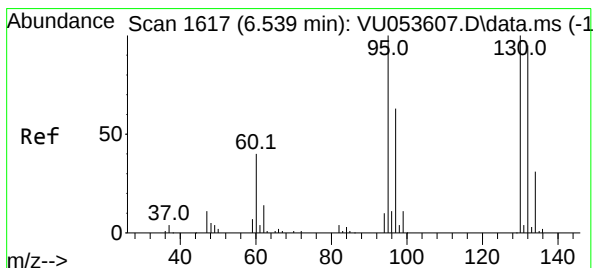
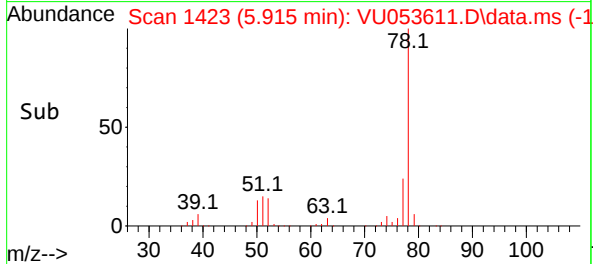
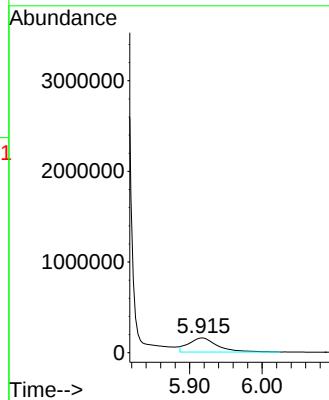
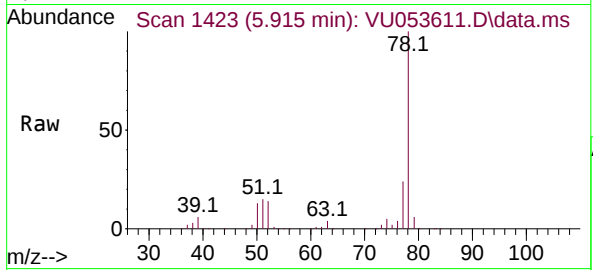
Instrument :

MSVOA_U

ClientSampleId :

COMC6

Tgt Ion: 78 Resp: 423957



#34

Trichloroethene

Concen: 4.270 ug/L

RT: 6.542 min Scan# 1618

Delta R.T. 0.003 min

Lab File: VU053611.D

Acq: 10 Apr 2023 11:39

Tgt Ion: 95 Resp: 9822

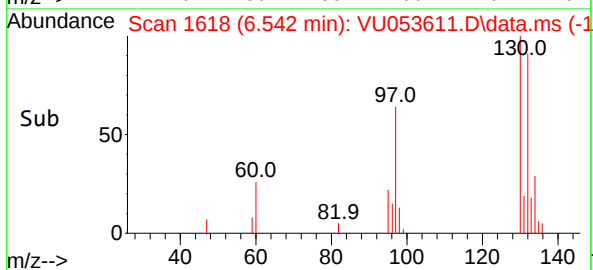
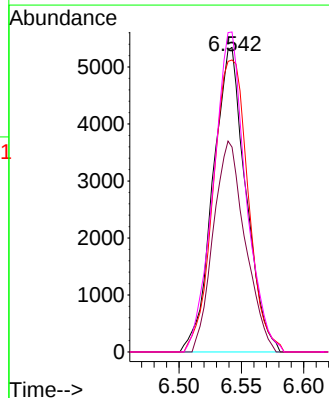
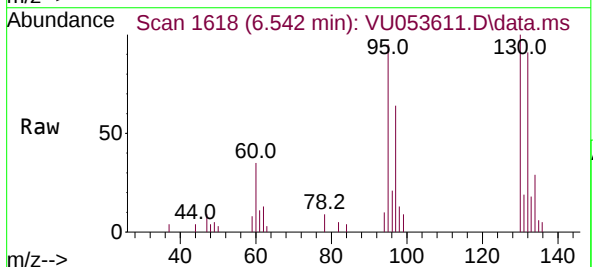
Ion Ratio Lower Upper

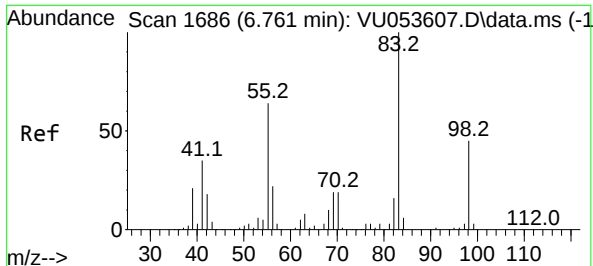
95 100

97 67.3 45.1 83.7

132 95.9 74.1 137.5

130 105.1 73.5 136.5

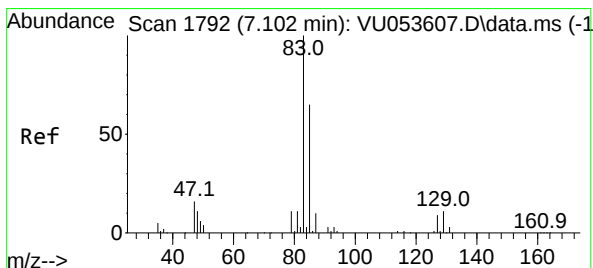
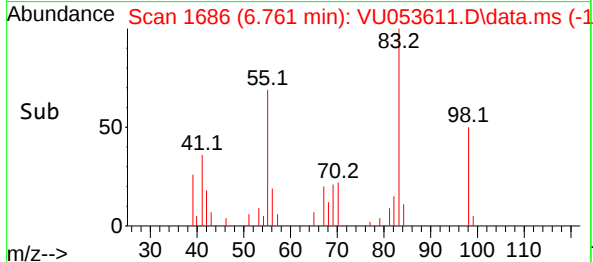
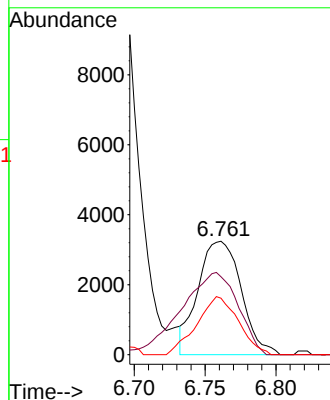
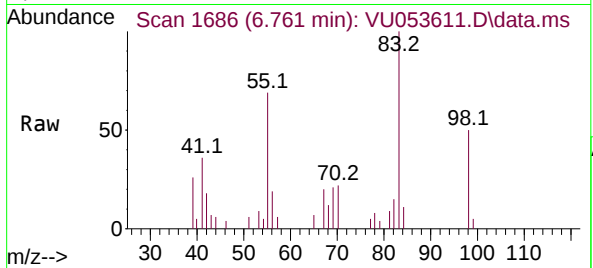




#35
Methylcyclohexane
Concen: 2.039 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VU053611.D
Acq: 10 Apr 2023 11:39

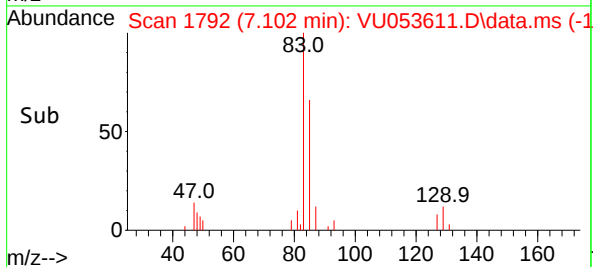
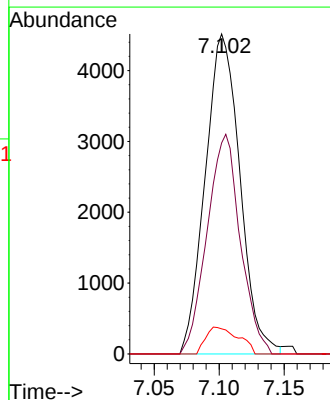
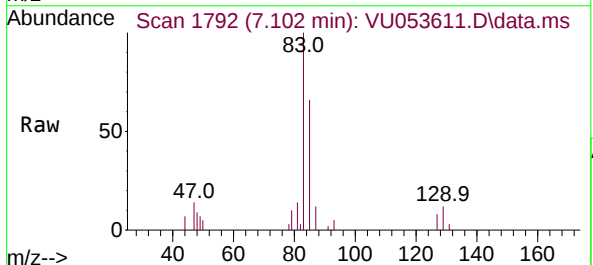
Instrument :
MSVOA_U
ClientSampleId :
COMC6

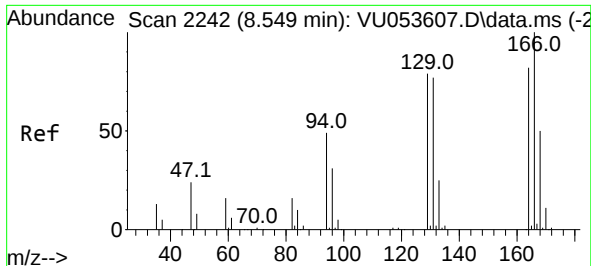
Tgt Ion: 83 Resp: 6894
Ion Ratio Lower Upper
83 100
55 95.7 53.0 79.6#
98 49.0 39.0 58.6



#38
Bromodichloromethane
Concen: 3.256 ug/L
RT: 7.102 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VU053611.D
Acq: 10 Apr 2023 11:39

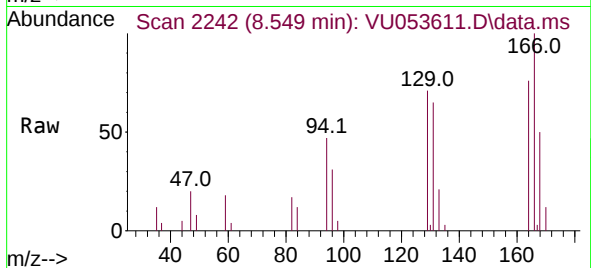
Tgt Ion: 83 Resp: 8390
Ion Ratio Lower Upper
83 100
85 66.0 44.4 82.5
127 7.9 8.0 12.0#



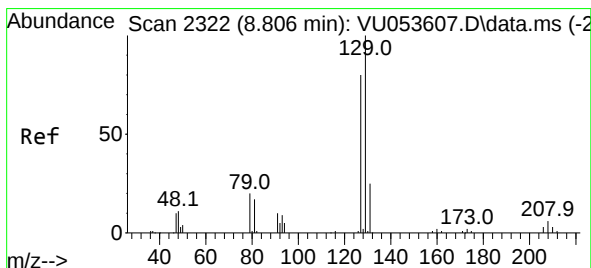
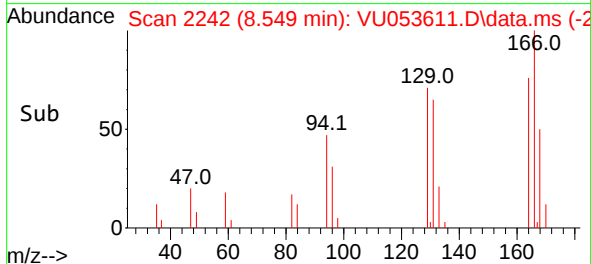
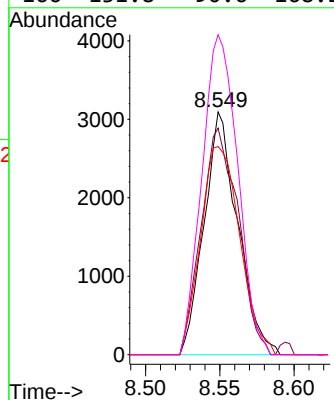


#46
Tetrachloroethene
Concen: 2.565 ug/L
RT: 8.549 min Scan# 211
Delta R.T. -0.000 min
Lab File: VU053611.D
Acq: 10 Apr 2023 11:39

Instrument :
MSVOA_U
ClientSampleId :
COMC6

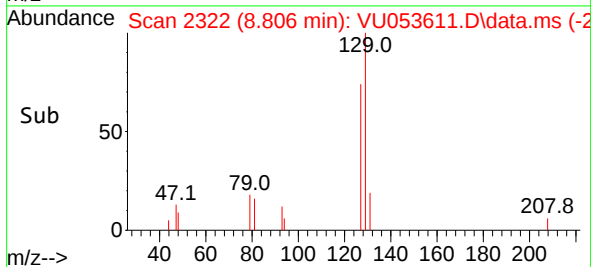
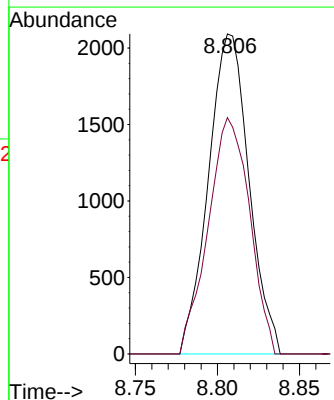
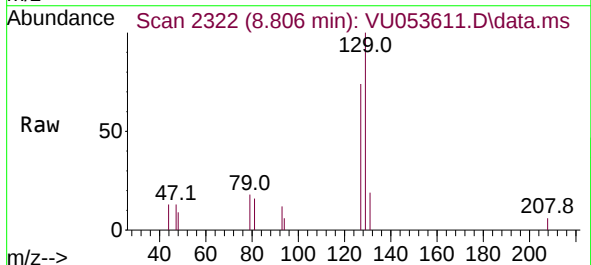


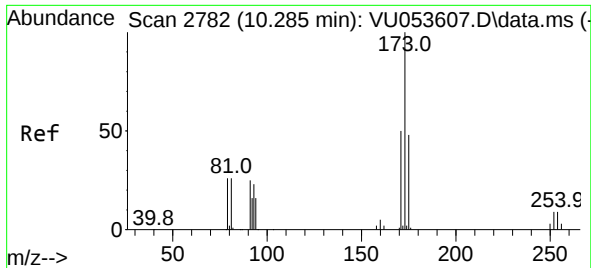
Tgt Ion:164 Resp: 4896
Ion Ratio Lower Upper
164 100
129 93.3 64.0 119.0
131 85.7 61.9 115.1
166 131.8 90.6 168.2



#49
Dibromochloromethane
Concen: 1.631 ug/L
RT: 8.806 min Scan# 2322
Delta R.T. 0.000 min
Lab File: VU053611.D
Acq: 10 Apr 2023 11:39

Tgt Ion:129 Resp: 3597
Ion Ratio Lower Upper
129 100
127 73.9 53.5 99.3

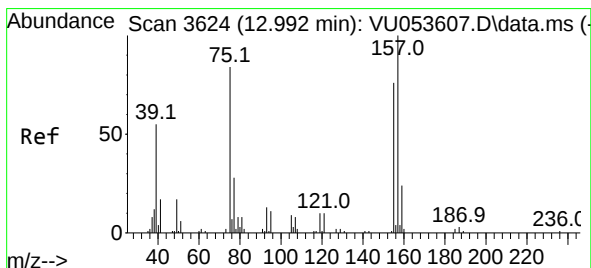
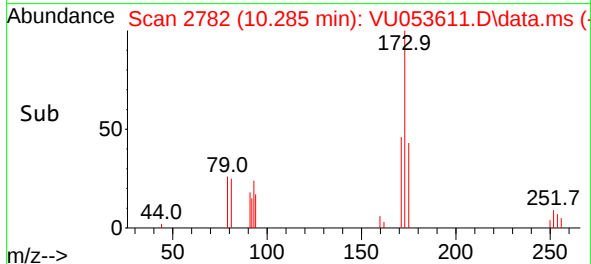
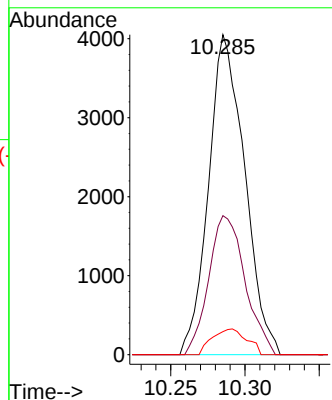
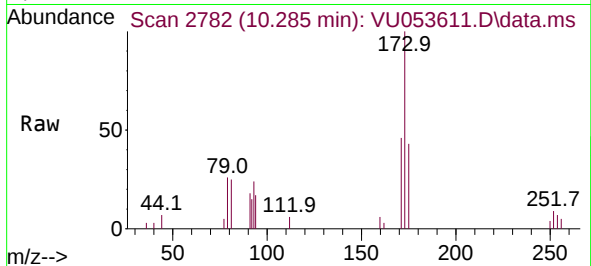




#59
Bromoform
Concen: 3.404 ug/L
RT: 10.285 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU053611.D
Acq: 10 Apr 2023 11:39

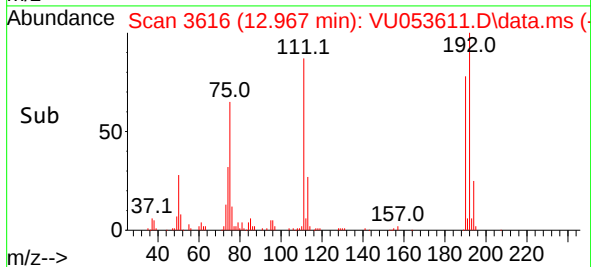
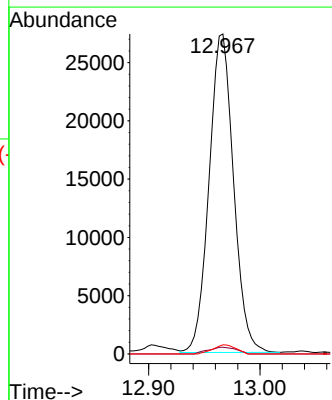
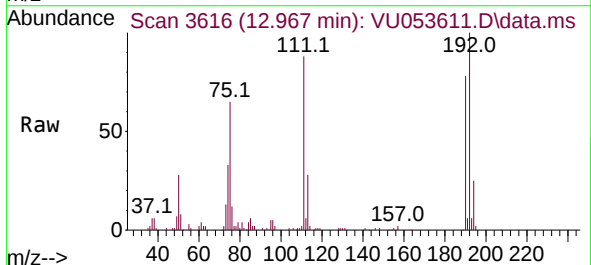
Instrument :
MSVOA_U
ClientSampleId :
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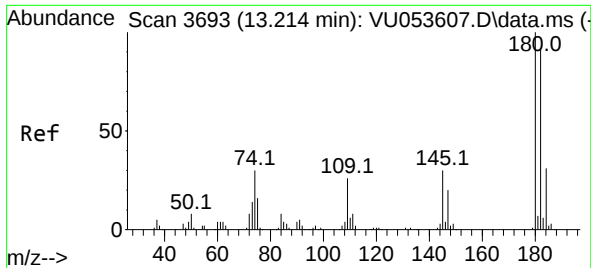
Tgt Ion:173 Resp: 6838
Ion Ratio Lower Upper
173 100
175 43.8 39.0 58.6
254 7.7 7.0 10.4



#68
1,2-Dibromo-3-chloropropane
Concen: 54.961 ug/L
RT: 12.967 min Scan# 3616
Delta R.T. -0.026 min
Lab File: VU053611.D
Acq: 10 Apr 2023 11:39

Tgt Ion: 75 Resp: 41692
Ion Ratio Lower Upper
75 100
155 2.1 79.9 119.9#
157 2.8 100.8 151.2#

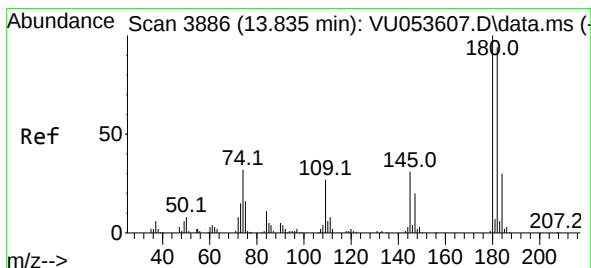
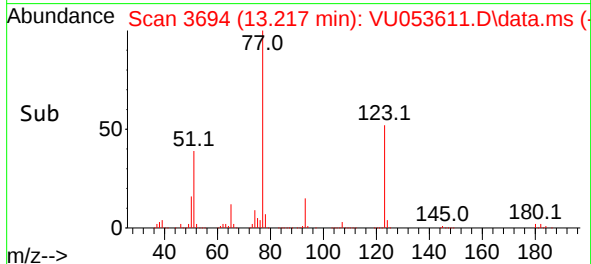
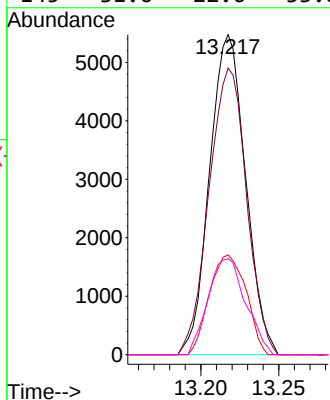
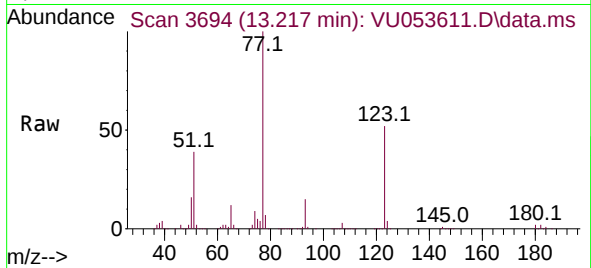




#69
 1,3,5-Trichlorobenzene
 Concen: 1.954 ug/L
 RT: 13.217 min Scan# 3694
 Delta R.T. 0.003 min
 Lab File: VU053611.D
 Acq: 10 Apr 2023 11:39

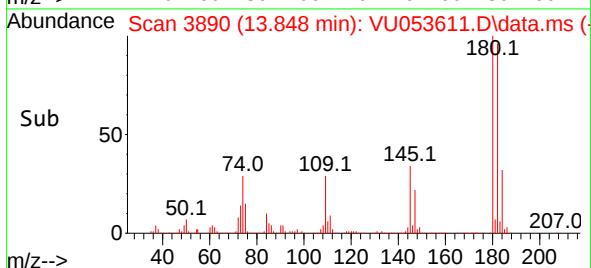
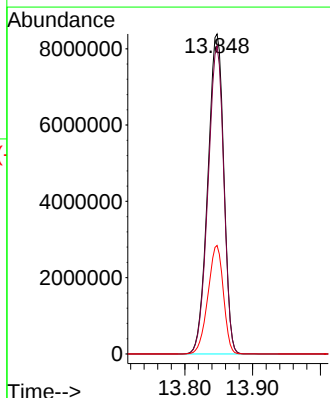
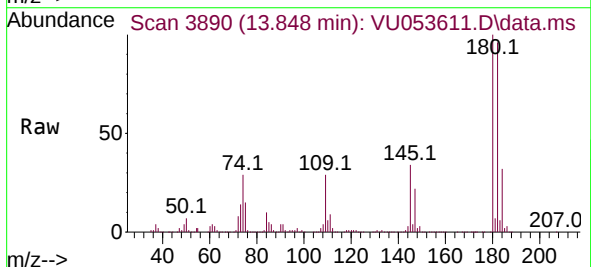
Instrument :
 MSVOA_U
 ClientSampleId :
 COMC6

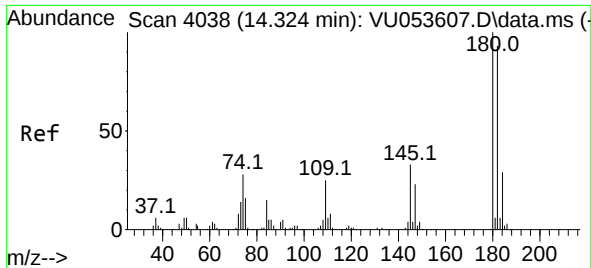
Tgt Ion:180 Resp: 8771
 Ion Ratio Lower Upper
 180 100
 182 93.5 75.6 113.4
 184 31.8 24.2 36.2
 145 31.6 22.6 33.8



#70
 1,2,4-trichlorobenzene
 Concen: 3299.203 ug/L
 RT: 13.848 min Scan# 3890
 Delta R.T. 0.013 min
 Lab File: VU053611.D
 Acq: 10 Apr 2023 11:39

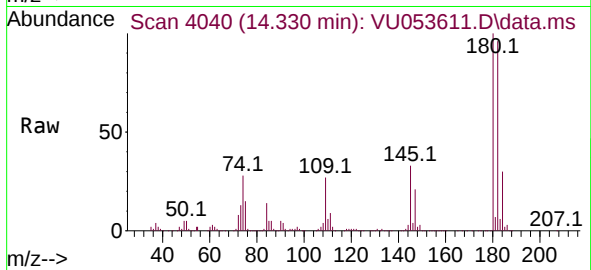
Tgt Ion:180 Resp:13732865
 Ion Ratio Lower Upper
 180 100
 182 95.1 75.8 113.8
 145 32.8 23.4 35.2





#72
 1,2,3-Trichlorobenzene
 Concen: 1169.443 ug/L
 RT: 14.330 min Scan# 40
 Delta R.T. 0.006 min
 Lab File: VU053611.D
 Acq: 10 Apr 2023 11:39

Instrument :
 MSVOA_U
 ClientSampleId :
 COMC6



Tgt Ion:180 Resp: 4862014

Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.0	115.6
145	33.4	25.4	38.0

