

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120921\
 Data File : VU046223.D
 Acq On : 09 Dec 2021 16:36
 Operator : SY/MD
 Sample : M4983-11
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5P0

Quant Time: Dec 10 03:45:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 03 05:08:36 2021
 Response via : Initial Calibration

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

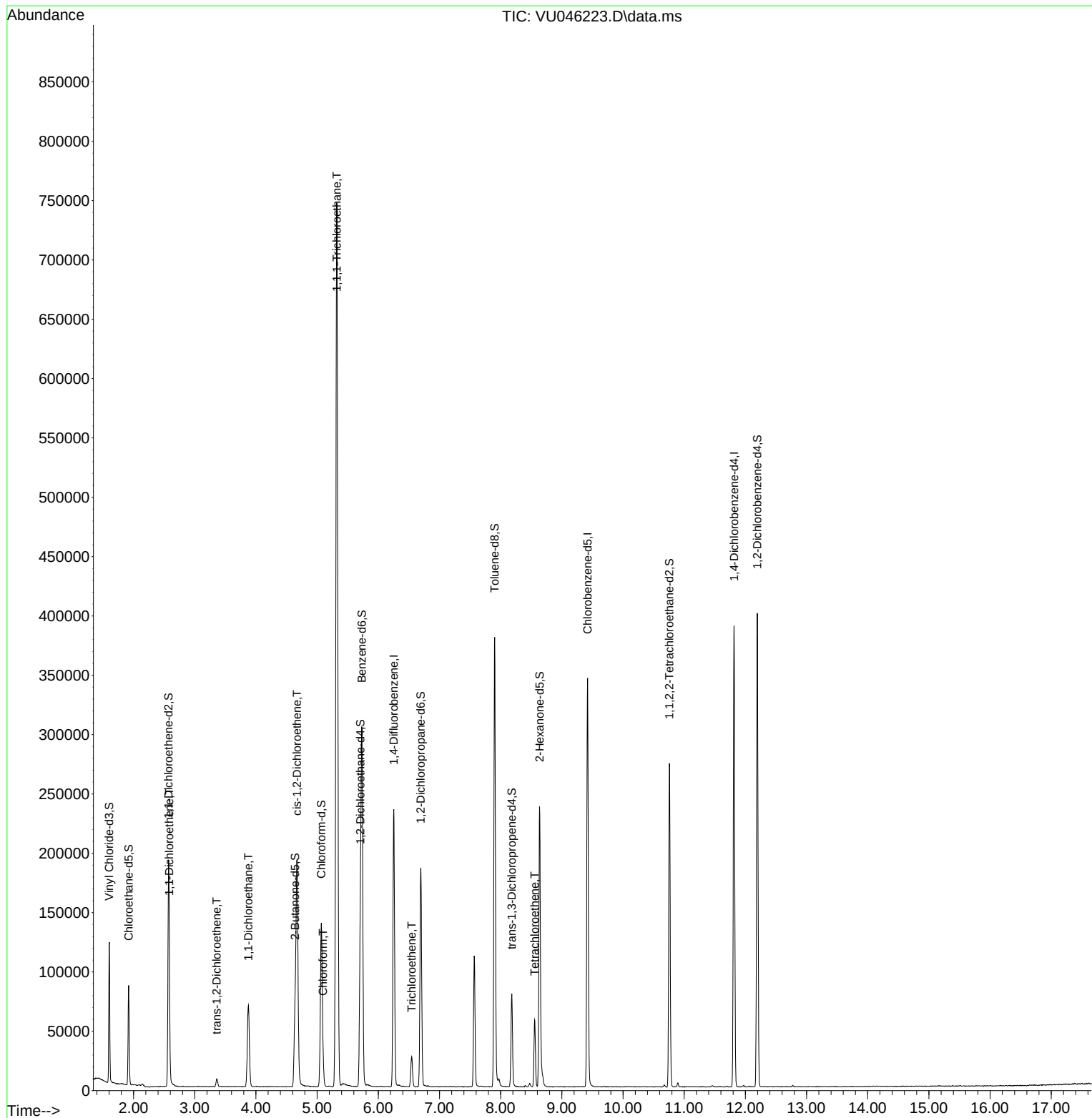
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	192370	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	198012	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	103919	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	82500	52.062	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 104.120%			
7) Chloroethane-d5	1.919	69	61197	50.298	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 100.600%			
11) 1,1-Dichloroethene-d2	2.572	63	111218	39.096	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 78.200%			
21) 2-Butanone-d5	4.642	46	128883	102.311	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 102.310%			
24) Chloroform-d	5.070	84	126644	47.857	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 95.720%			
26) 1,2-Dichloroethane-d4	5.707	65	89632	50.470	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 100.940%			
32) Benzene-d6	5.732	84	289112	50.942	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 101.880%			
36) 1,2-Dichloropropane-d6	6.694	67	88304	50.204	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 100.400%			
41) Toluene-d8	7.903	98	258030	49.934	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.860%			
43) trans-1,3-Dichloroprop...	8.182	79	44341	52.223	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 104.440%			
47) 2-Hexanone-d5	8.636	63	88223	105.788	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 105.790%			
56) 1,1,2,2-Tetrachloroeth...	10.758	84	135009	50.614	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 101.220%			
66) 1,2-Dichlorobenzene-d4	12.195	152	105439	52.685	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 105.380%			
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.584	96	8179	6.149	ug/L	# 1
17) trans-1,2-Dichloroethene	3.359	96	2786	1.979	ug/L	83
19) 1,1-Dichloroethane	3.877	63	81023	31.657	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	87323	57.173	ug/L	95
25) Chloroform	5.096	83	15465	5.438	ug/L	94
30) 1,1,1-Trichloroethane	5.321	97	559804	230.314	ug/L	98
34) Trichloroethene	6.546	95	7882	4.992	ug/L	96
46) Tetrachloroethene	8.555	164	12876	11.098	ug/L	98

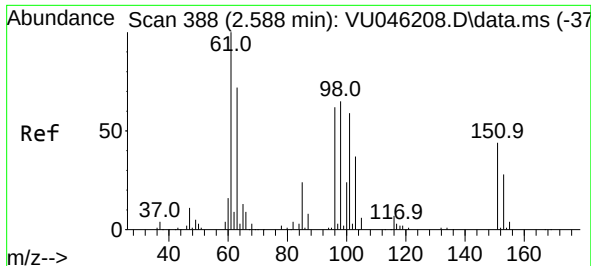
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Dec 03 05:08:36 2021
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 6.149 ug/L

RT: 2.584 min Scan# 388

Delta R.T. 0.000 min

Lab File: VU046223.D

Acq: 09 Dec 2021 16:36

Instrument :

MSVOA_U

ClientSampleId :

EW5P0

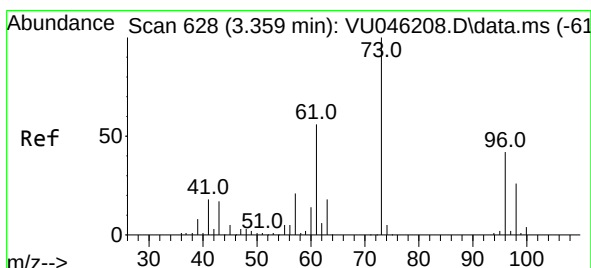
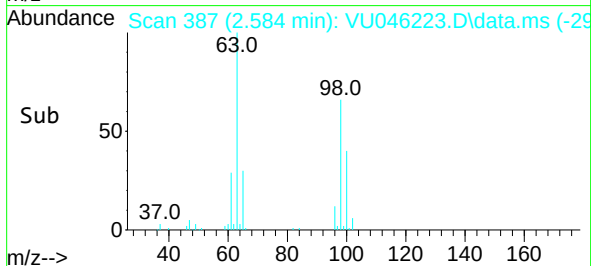
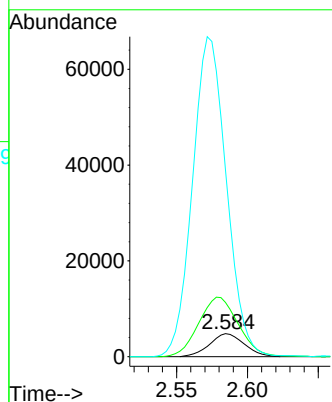
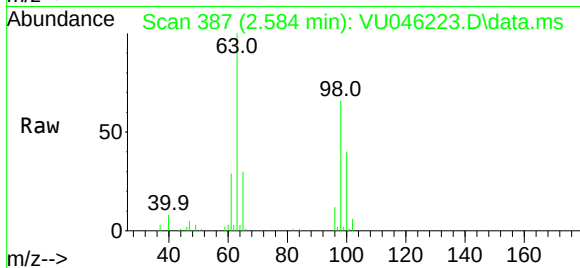
Tgt Ion: 96 Resp: 8179

Ion Ratio Lower Upper

96 100

61 236.1 118.6 220.2#

63 812.7 93.0 172.8#



#17

trans-1,2-Dichloroethene

Concen: 1.979 ug/L

RT: 3.359 min Scan# 628

Delta R.T. 0.000 min

Lab File: VU046223.D

Acq: 09 Dec 2021 16:36

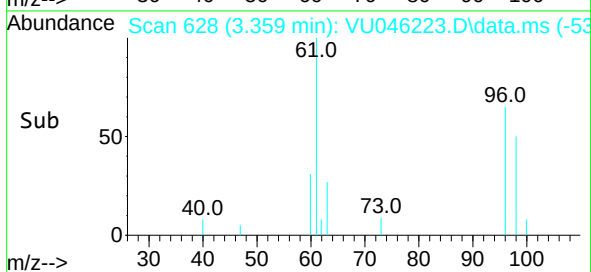
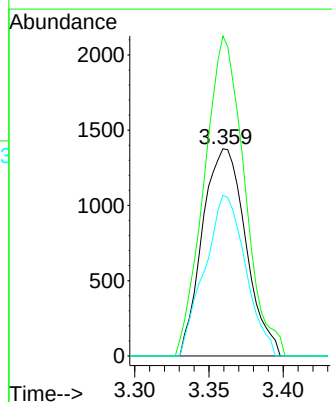
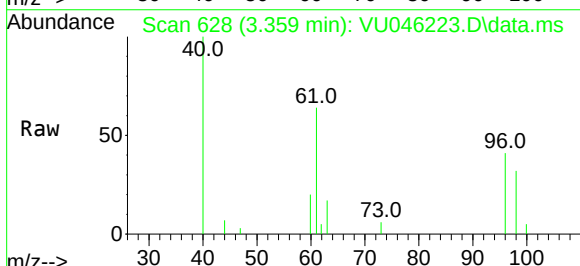
Tgt Ion: 96 Resp: 2786

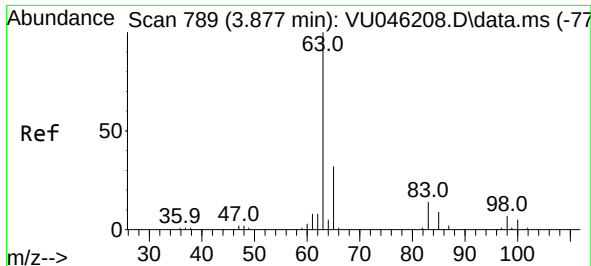
Ion Ratio Lower Upper

96 100

61 154.4 94.6 175.6

98 77.6 44.0 81.8





#19

1,1-Dichloroethane

Concen: 31.657 ug/L

RT: 3.877 min Scan# 789

Delta R.T. 0.000 min

Lab File: VU046223.D

Acq: 09 Dec 2021 16:36

Instrument :

MSVOA_U

ClientSampleId :

EW5P0

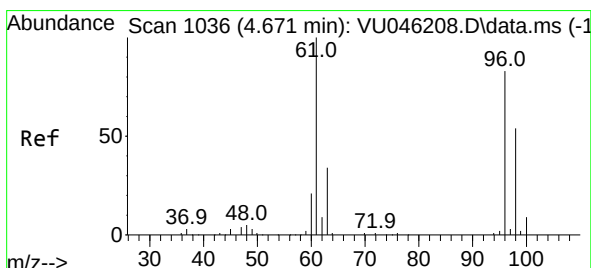
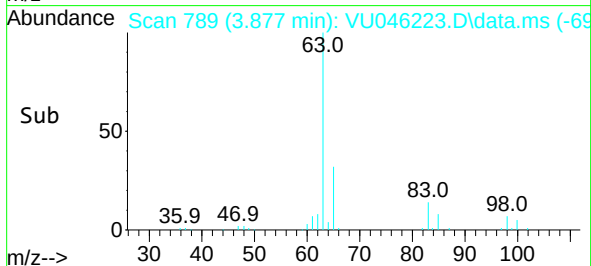
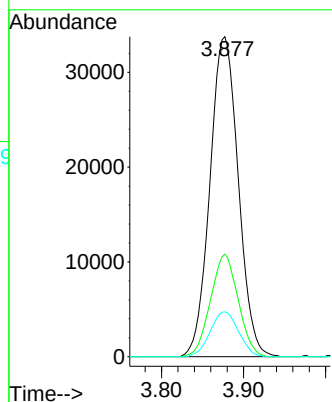
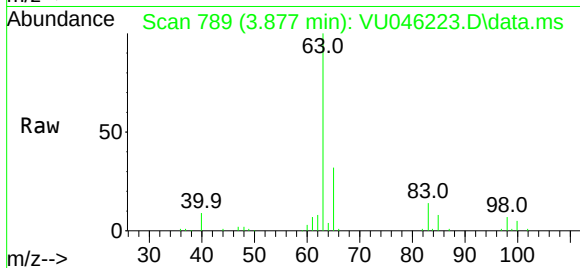
Tgt Ion: 63 Resp: 81023

Ion Ratio Lower Upper

63 100

65 32.0 22.8 42.4

83 14.0 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 57.173 ug/L

RT: 4.671 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VU046223.D

Acq: 09 Dec 2021 16:36

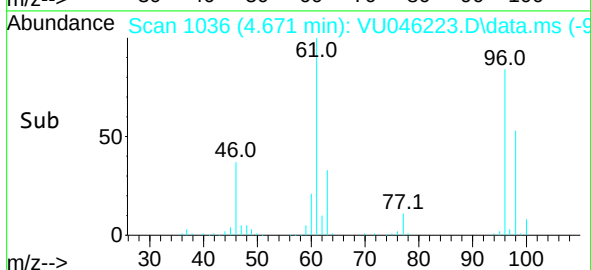
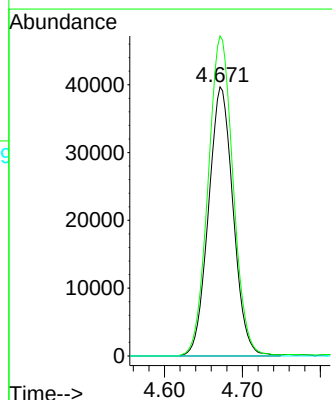
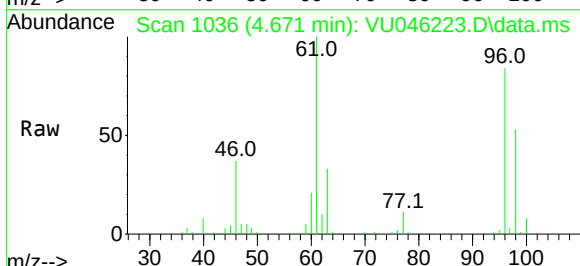
Tgt Ion: 96 Resp: 87323

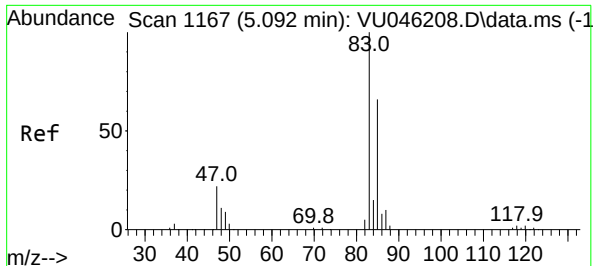
Ion Ratio Lower Upper

96 100

61 118.9 86.8 161.2

68 0.0 0.0 0.0





#25

Chloroform

Concen: 5.438 ug/L

RT: 5.096 min Scan# 1167

Delta R.T. 0.003 min

Lab File: VU046223.D

Acq: 09 Dec 2021 16:36

Instrument :

MSVOA_U

ClientSampleId :

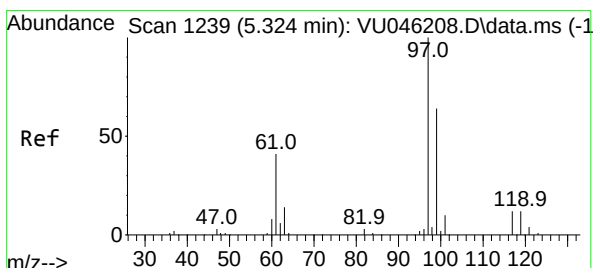
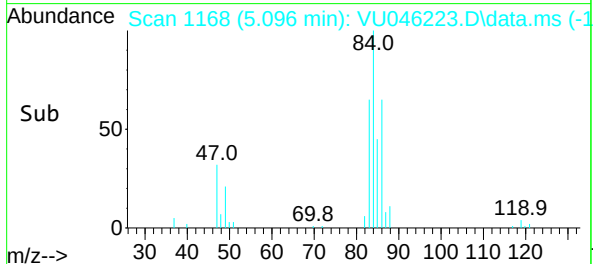
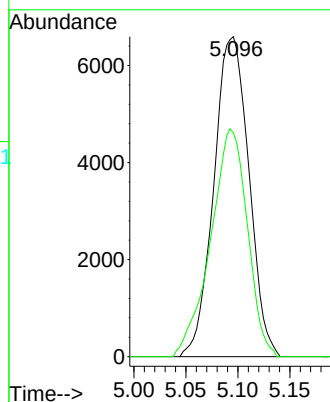
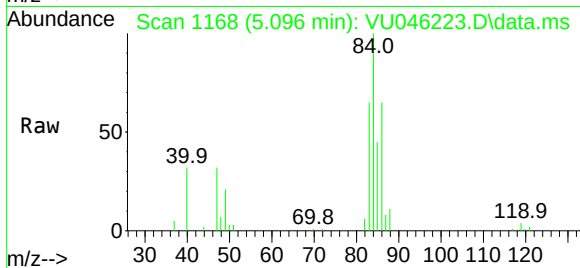
EW5P0

Tgt Ion: 83 Resp: 15465

Ion Ratio Lower Upper

83 100

85 70.0 45.8 85.2



#30

1,1,1-Trichloroethane

Concen: 230.314 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VU046223.D

Acq: 09 Dec 2021 16:36

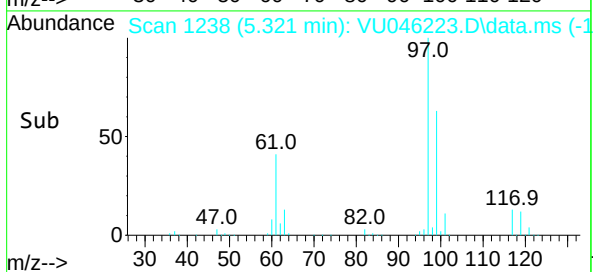
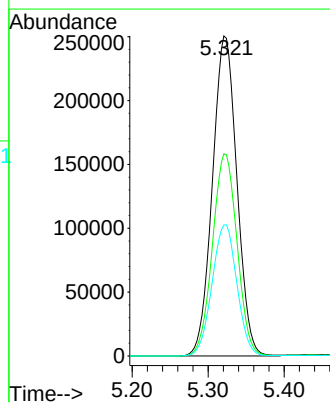
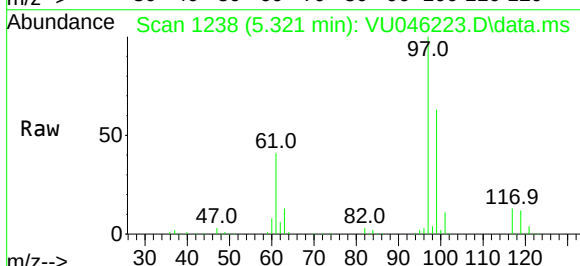
Tgt Ion: 97 Resp: 559804

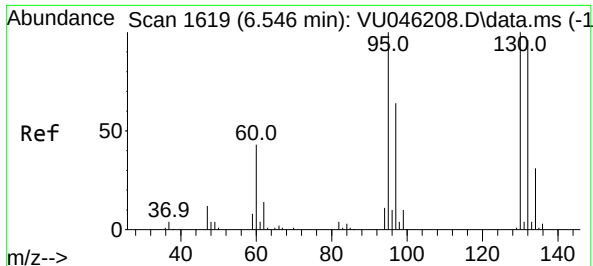
Ion Ratio Lower Upper

97 100

99 63.5 51.8 77.6

61 41.6 34.4 51.6



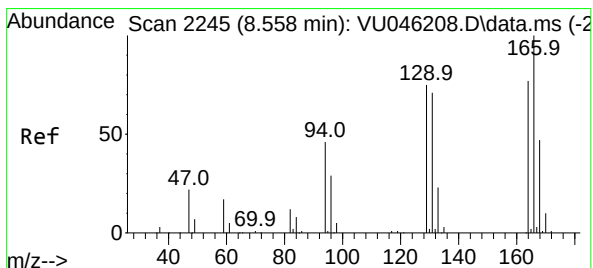
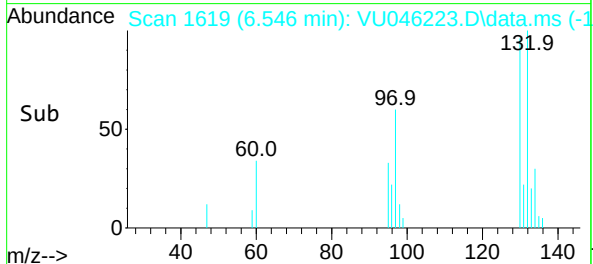
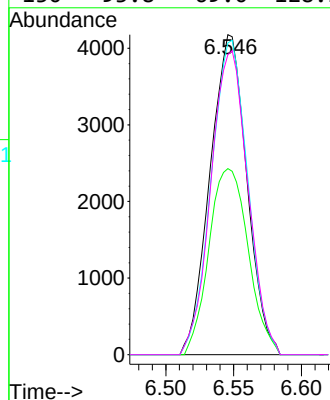
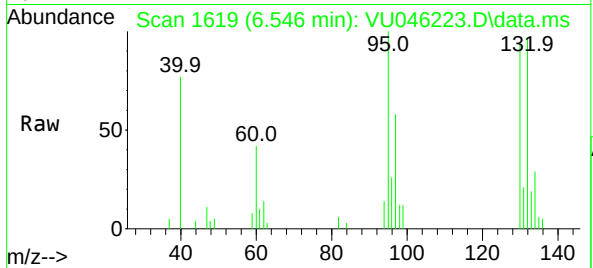


#34
Trichloroethene
Concen: 4.992 ug/L
RT: 6.546 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU046223.D
Acq: 09 Dec 2021 16:36

Instrument :
MSVOA_U
ClientSampleId :
EW5P0

Tgt Ion: 95 Resp: 7882

Ion	Ratio	Lower	Upper
95	100		
97	58.2	44.1	81.9
132	97.4	66.8	124.0
130	93.8	69.0	128.1



#46
Tetrachloroethene
Concen: 11.098 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. 0.000 min
Lab File: VU046223.D
Acq: 09 Dec 2021 16:36

Tgt Ion: 164 Resp: 12876

Ion	Ratio	Lower	Upper
164	100		
129	97.3	71.1	132.1
131	97.3	67.8	126.0
166	127.3	90.6	168.2

