

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 :

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)

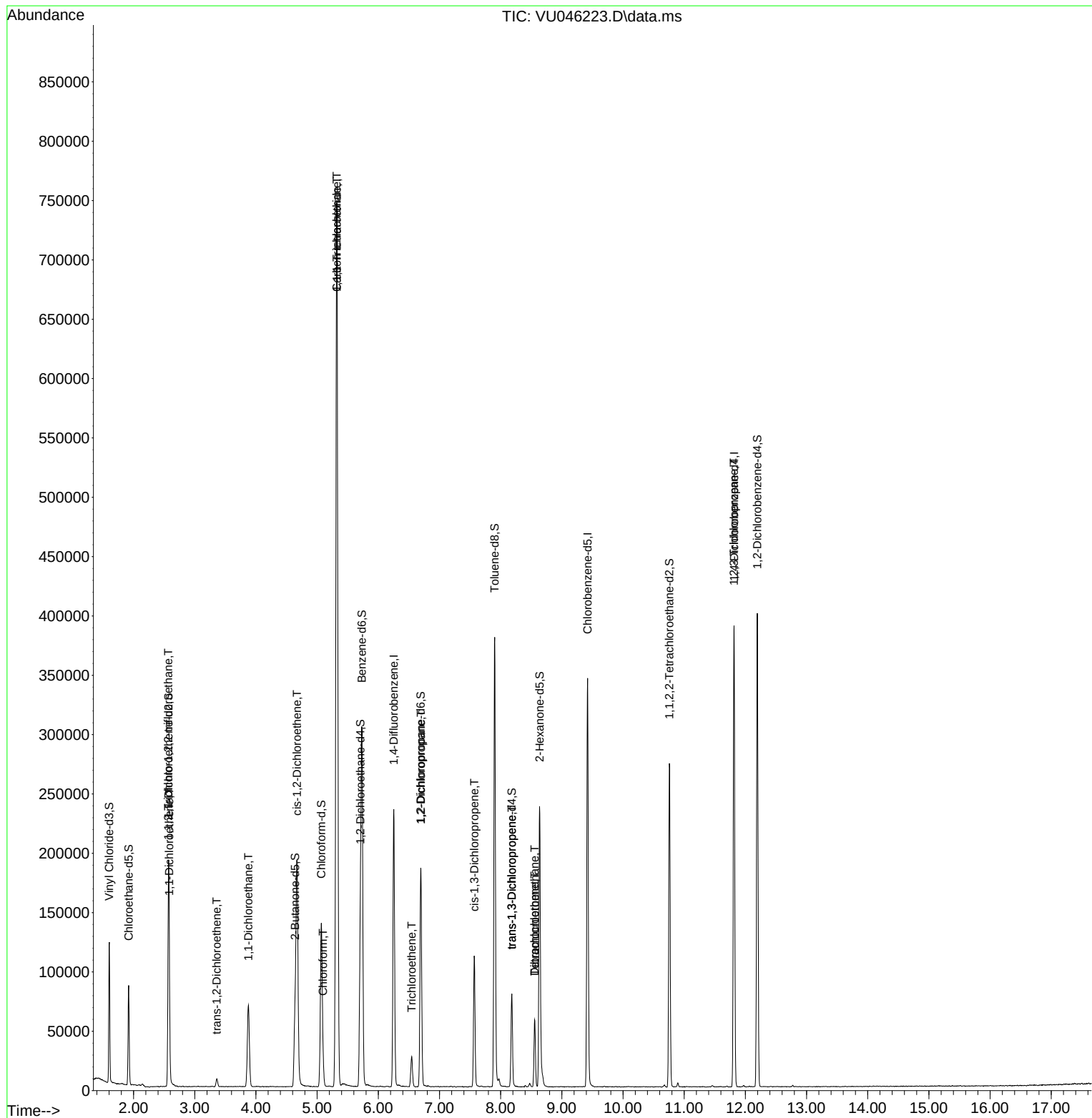
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	192370	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	198012	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	103919	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	82500	52.062	ug/L	0.00
Spiked Amount 50.000	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
10) 1,1,2-Trichloro-1,2,2-...	2.568	101	912	0.652	ug/L #	21
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
31) Carbon tetrachloride	5.321	117	72019	34.902	ug/L	100
34) Trichloroethene	6.546	95	7882	4.992	ug/L	96
37) 1,2-Dichloropropane	6.697	63	9497	6.049	ug/L #	86
39) cis-1,3-Dichloropropene	7.568	75	2678	1.121	ug/L #	61
44) trans-1,3-Dichloropropene	8.182	75	1976	0.842	ug/L	87
46) Tetrachloroethene	8.555	164	12876	11.098	ug/L	98
49) Dibromochloromethane	8.555	129	12397	7.495	ug/L #	10
60) 1,2,3-Trichloropropane	11.812	75	12331	5.413	ug/L #	65

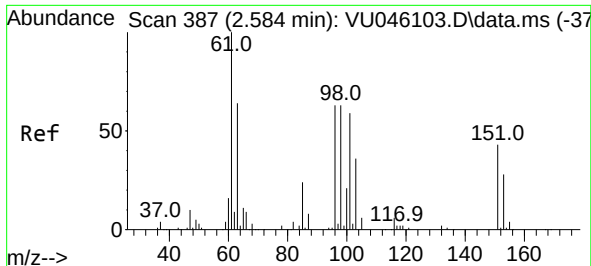
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Fri Dec 03 05:08:36 2021
Response via : Initial Calibration

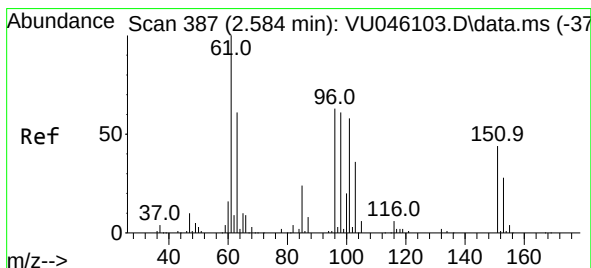
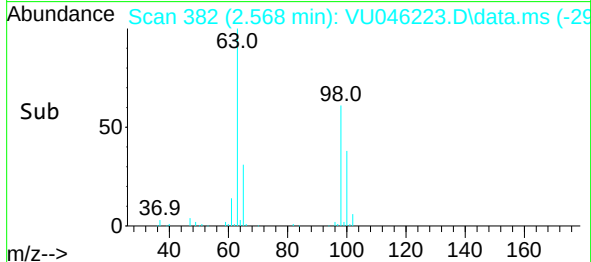
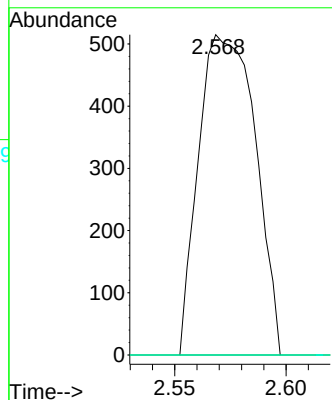
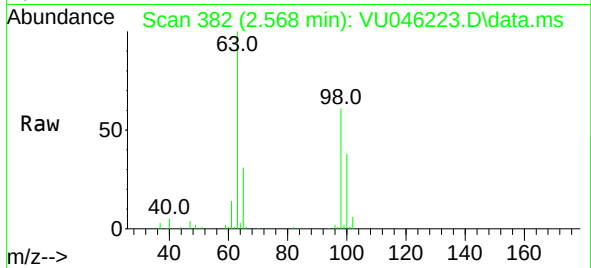




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.652 ug/L
RT: 2.568 min Scan# 310
Delta R.T. -0.019 min
Lab File: VU046223.D
Acq: 09 Dec 2021 16:36

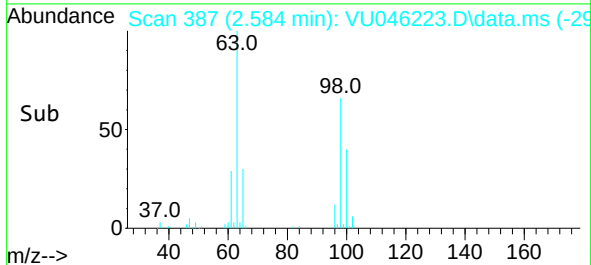
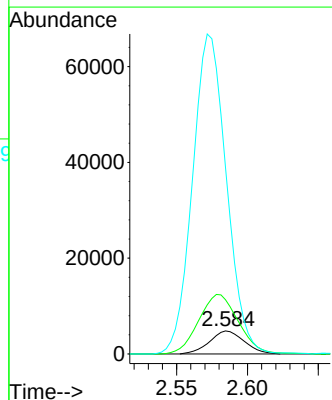
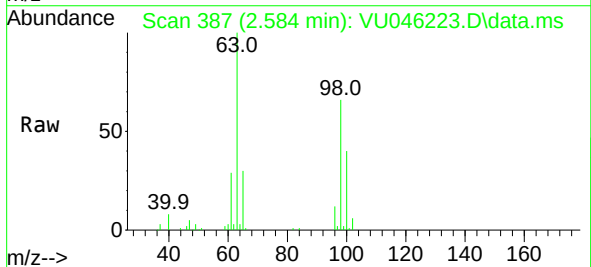
Instrument :
MSVOA_U
ClientSampleId :

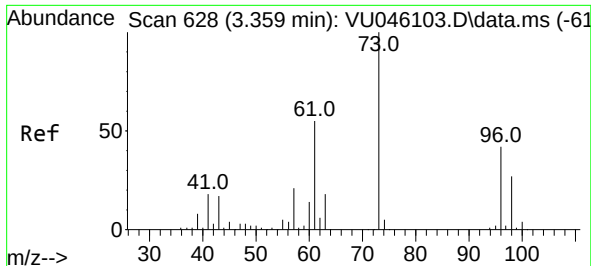
Tgt Ion:101 Resp: 912
Ion Ratio Lower Upper
101 100
85 0.0 35.1 52.7#
151 0.0 56.7 85.1#



#12
1,1-Dichloroethene
Concen: 6.149 ug/L
RT: 2.584 min Scan# 387
Delta R.T. 0.000 min
Lab File: VU046223.D
Acq: 09 Dec 2021 16:36

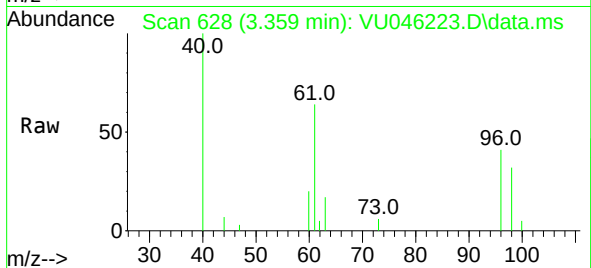
Tgt Ion: 96 Resp: 8179
Ion Ratio Lower Upper
96 100
61 236.1 118.6 220.2#
63 812.7 93.0 172.8#



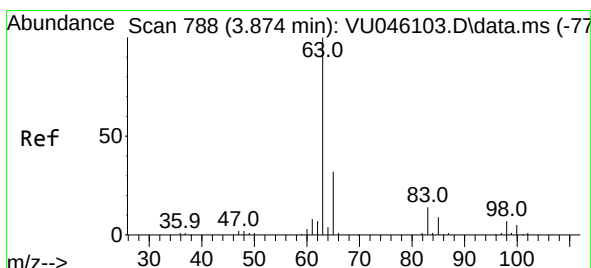
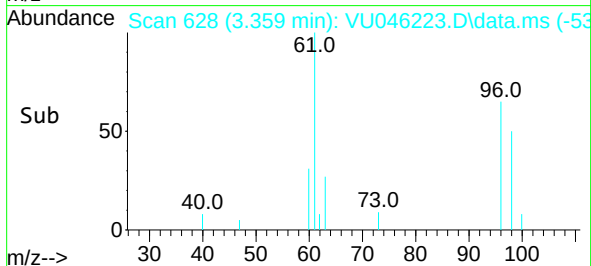
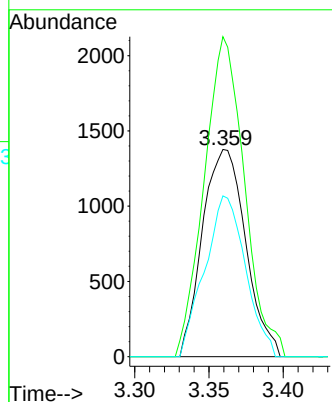


#17
trans-1,2-Dichloroethene
Concen: 1.979 ug/L
RT: 3.359 min Scan# 61
Delta R.T. 0.000 min
Lab File: VU046223.D
Acq: 09 Dec 2021 16:36

Instrument :
MSVOA_U
ClientSampleId :

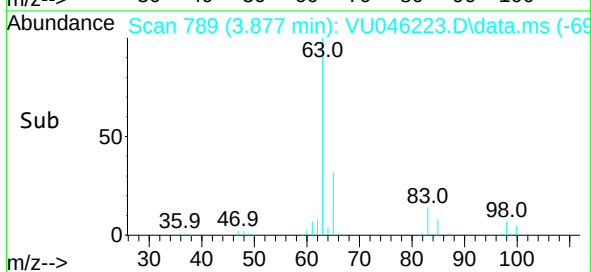
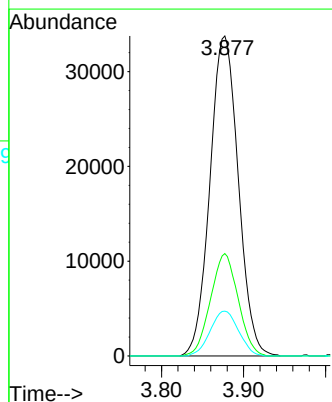
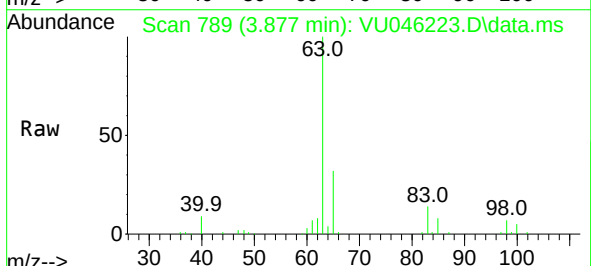


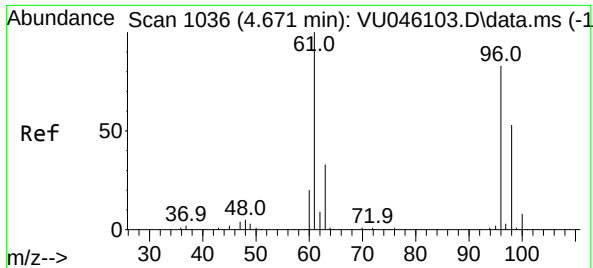
Tgt Ion:	96	Resp:	2786
Ion	Ratio	Lower	Upper
96	100		
61	154.4	94.6	175.6
98	77.6	44.0	81.8



#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

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

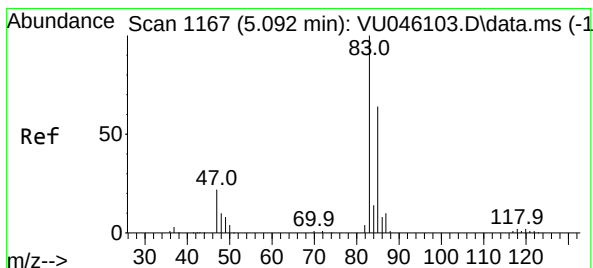
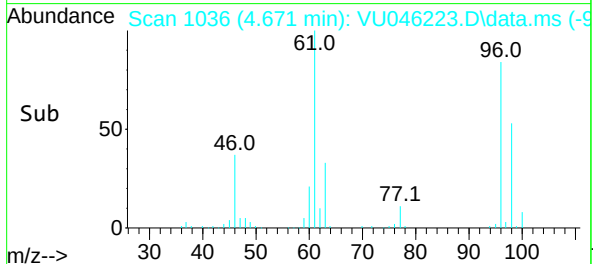
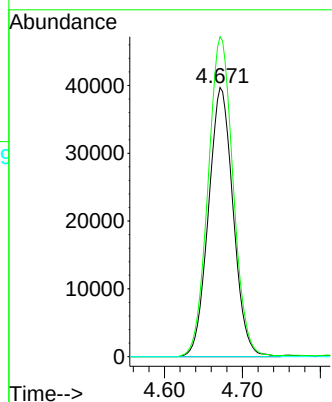
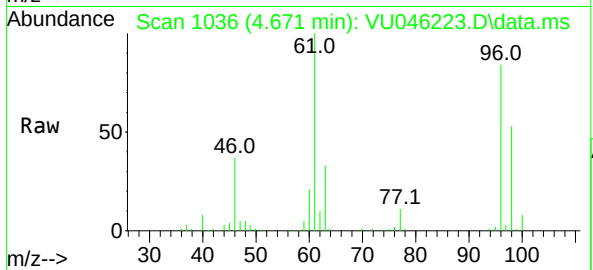




#20
cis-1,2-Dichloroethene
Concen: 57.173 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VU046223.D
Acq: 09 Dec 2021 16:36

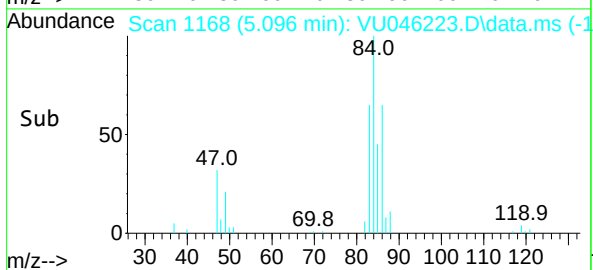
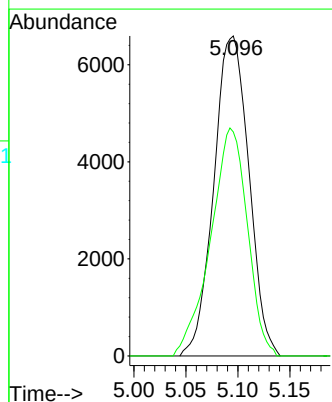
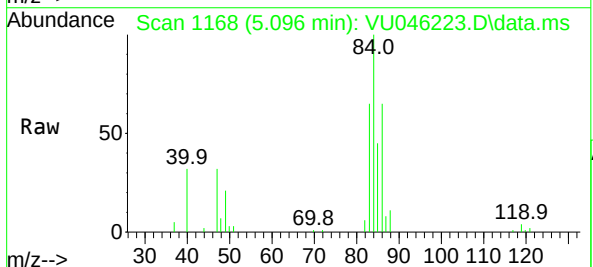
Instrument :
MSVOA_U
ClientSampleId :

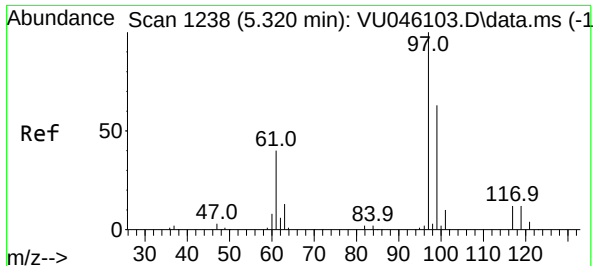
Tgt Ion: 96 Resp: 87323
Ion Ratio Lower Upper
96 100
61 118.9 86.8 161.2
68 0.0 0.0 0.0



#25
Chloroform
Concen: 5.438 ug/L
RT: 5.096 min Scan# 1168
Delta R.T. 0.003 min
Lab File: VU046223.D
Acq: 09 Dec 2021 16:36

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

Instrument :

MSVOA_U

ClientSampleId :

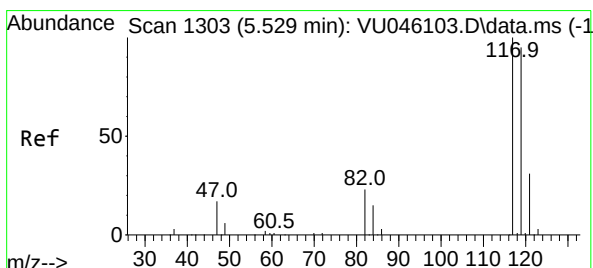
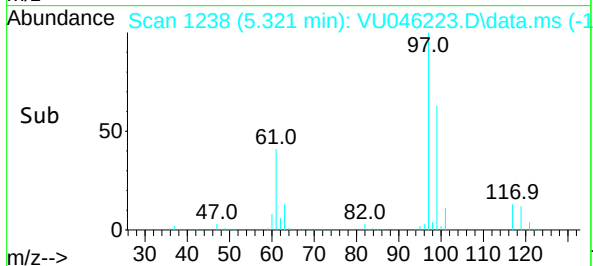
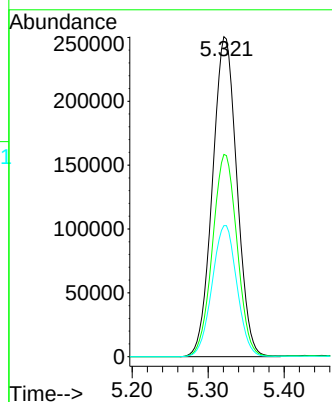
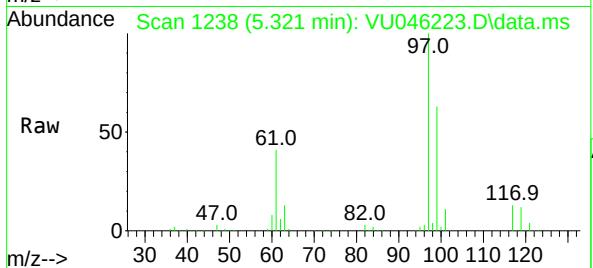
Tgt Ion: 97 Resp: 559804

Ion Ratio Lower Upper

97 100

99 63.5 51.8 77.6

61 41.6 34.4 51.6



#31

Carbon tetrachloride

Concen: 34.902 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.209 min

Lab File: VU046223.D

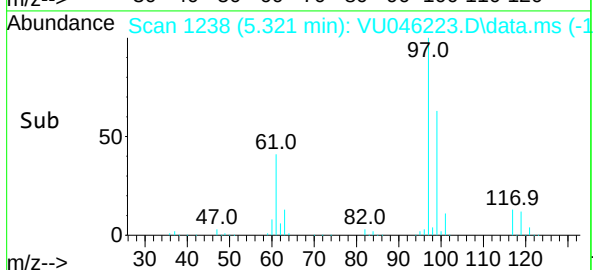
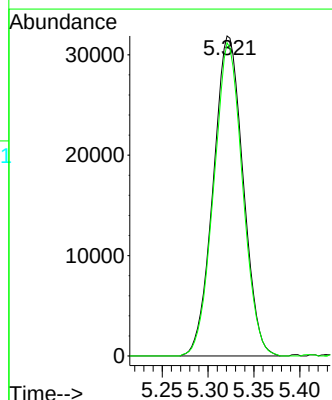
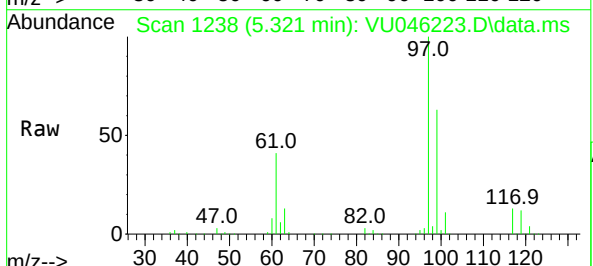
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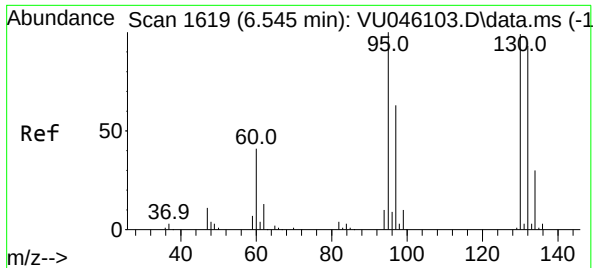
Tgt Ion: 117 Resp: 72019

Ion Ratio Lower Upper

117 100

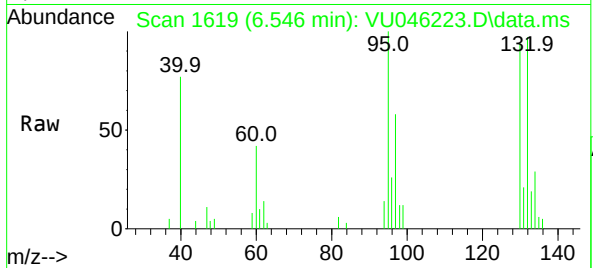
119 94.7 75.7 113.5





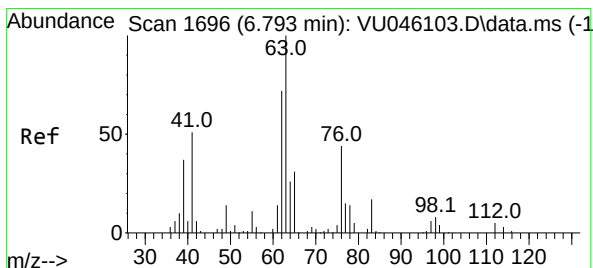
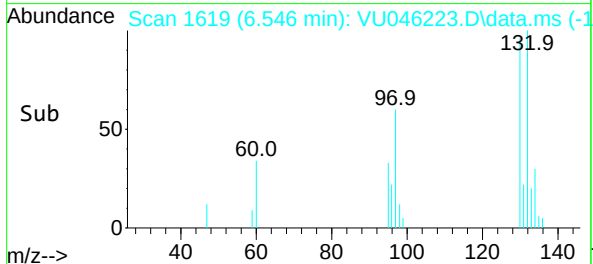
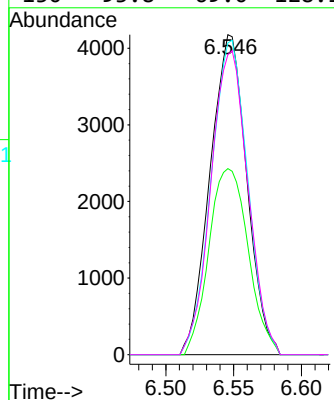
#34
Trichloroethene
Concen: 4.992 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VU046223.D
Acq: 09 Dec 2021 16:36

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 95 Resp: 7882

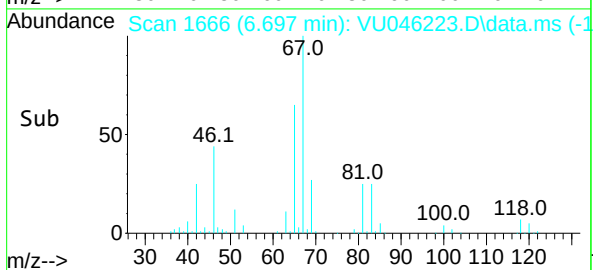
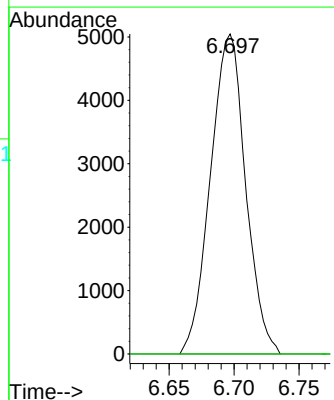
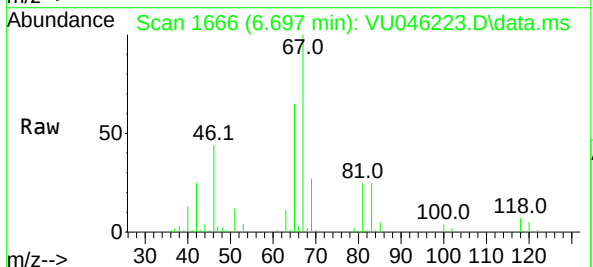
Ion	Ratio	Lower	Upper
95	100		
97	58.2	44.1	81.9
132	97.4	66.8	124.0
130	93.8	69.0	128.1

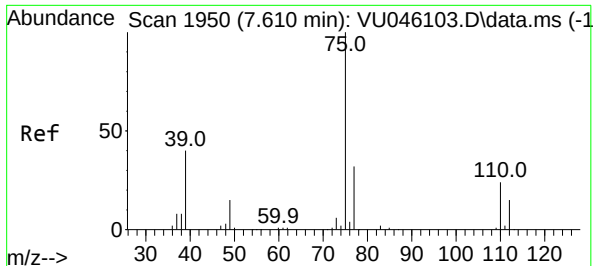


#37
1,2-Dichloropropane
Concen: 6.049 ug/L
RT: 6.697 min Scan# 1666
Delta R.T. -0.096 min
Lab File: VU046223.D
Acq: 09 Dec 2021 16:36

Tgt Ion: 63 Resp: 9497

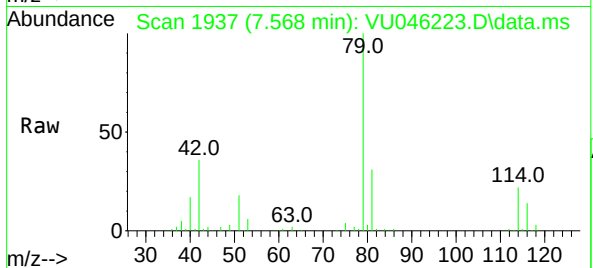
Ion	Ratio	Lower	Upper
63	100		
112	0.0	3.8	5.6#



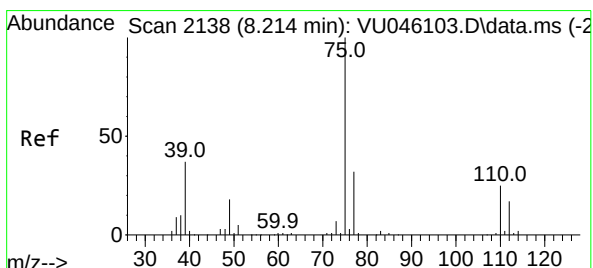
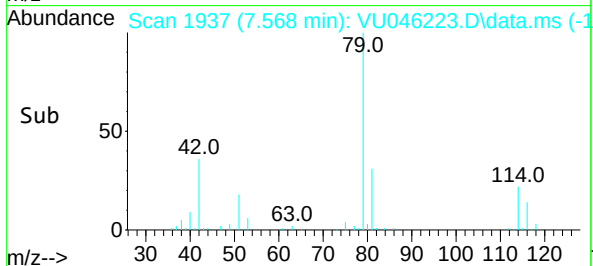
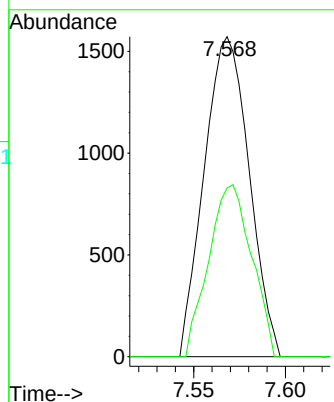


#39
cis-1,3-Dichloropropene
Concen: 1.121 ug/L
RT: 7.568 min Scan# 1950
Delta R.T. -0.042 min
Lab File: VU046223.D
Acq: 09 Dec 2021 16:36

Instrument :
MSVOA_U
ClientSampleId :

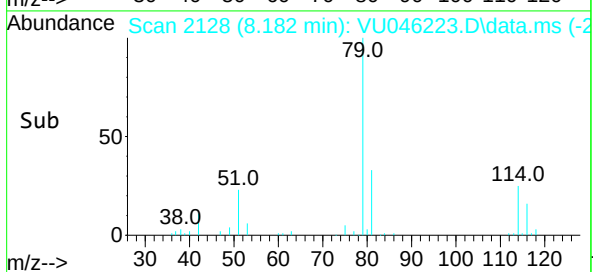
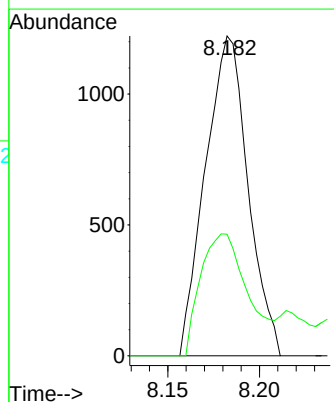
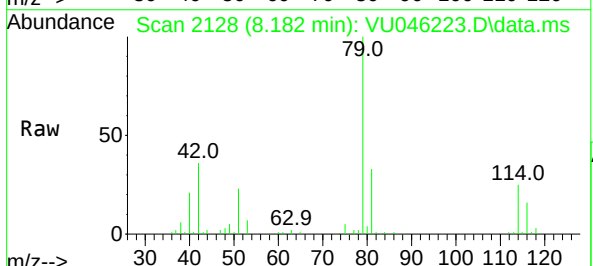


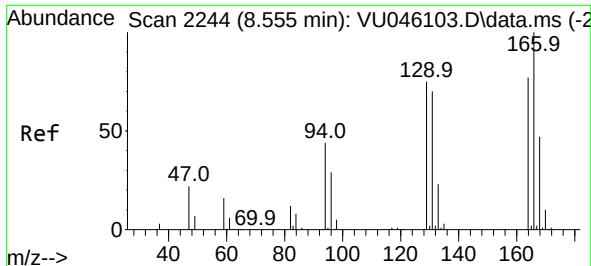
Tgt Ion: 75 Resp: 2678
Ion Ratio Lower Upper
75 100
77 52.7 21.8 40.6#



#44
trans-1,3-Dichloropropene
Concen: 0.842 ug/L
RT: 8.182 min Scan# 2128
Delta R.T. -0.032 min
Lab File: VU046223.D
Acq: 09 Dec 2021 16:36

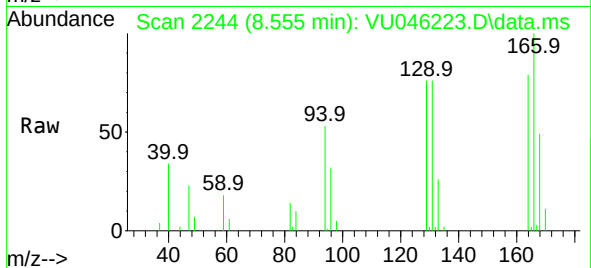
Tgt Ion: 75 Resp: 1976
Ion Ratio Lower Upper
75 100
77 38.1 21.7 40.3



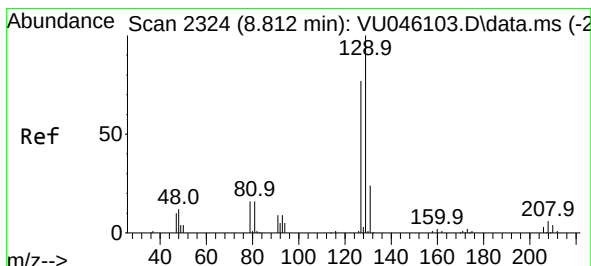
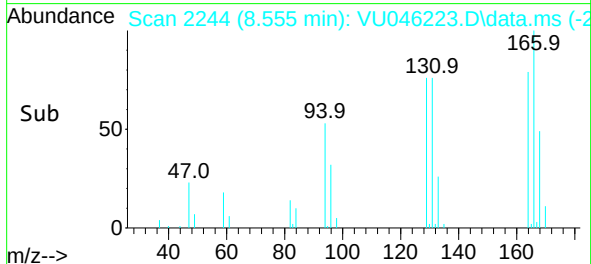
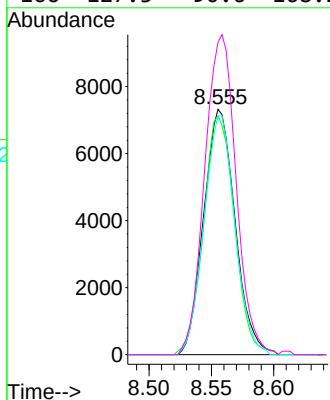


#46
Tetrachloroethene
Concen: 11.098 ug/L
RT: 8.555 min Scan# 211
Delta R.T. 0.000 min
Lab File: VU046223.D
Acq: 09 Dec 2021 16:36

Instrument :
MSVOA_U
ClientSampleId :

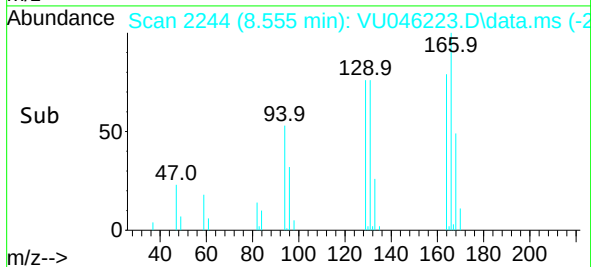
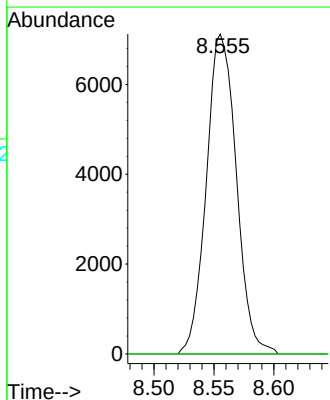
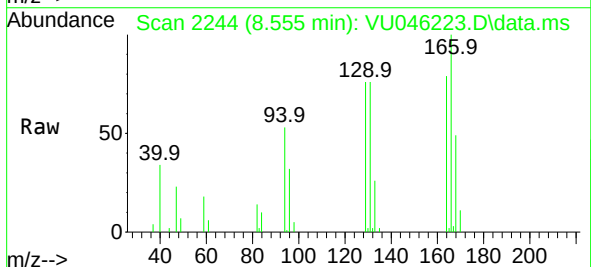


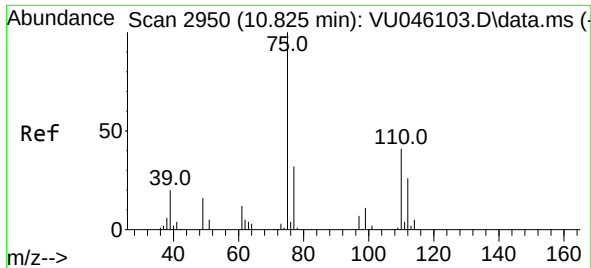
Tgt Ion:164 Resp: 12876
Ion Ratio Lower Upper
164 100
129 97.3 71.1 132.1
131 97.3 67.8 126.0
166 127.3 90.6 168.2



#49
Dibromochloromethane
Concen: 7.495 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.257 min
Lab File: VU046223.D
Acq: 09 Dec 2021 16:36

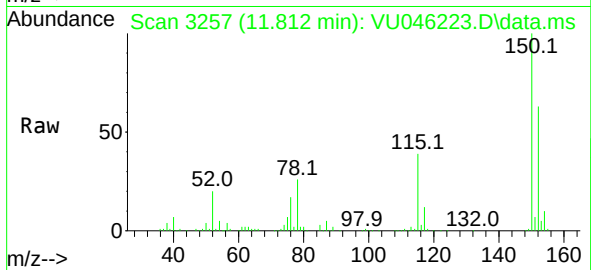
Tgt Ion:129 Resp: 12397
Ion Ratio Lower Upper
129 100
127 0.0 55.6 103.4#





#60
 1,2,3-Trichloropropane
 Concen: 5.413 ug/L
 RT: 11.812 min Scan# 31
 Delta R.T. 0.987 min
 Lab File: VU046223.D
 Acq: 09 Dec 2021 16:36

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 12331
 Ion Ratio Lower Upper
 75 100
 77 32.1 26.4 39.6
 110 2.2 32.4 48.6#

