

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU120921\
 Data File : VU046227.D
 Acq On : 09 Dec 2021 18:06
 Operator : SY/MD
 Sample : M4983-15
 Misc : 5.2mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 10 03:45:40 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)

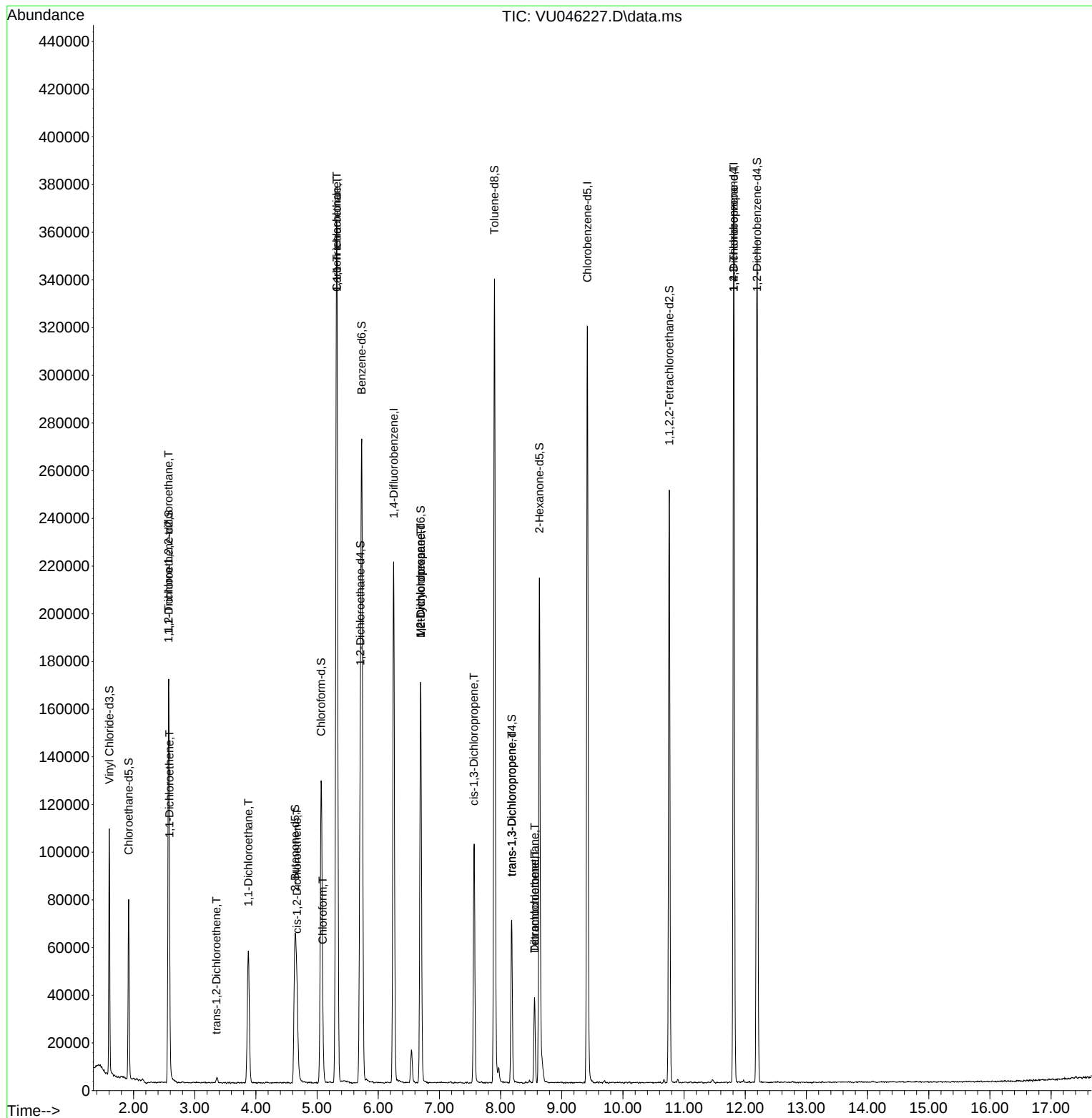
Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	179016	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	186390	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	97314	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	72724	49.316	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	98.640%		
7) Chloroethane-d5	1.919	69	54436	48.079	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	96.160%		
11) 1,1-Dichloroethene-d2	2.575	63	98218	37.102	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	74.200%		
21) 2-Butanone-d5	4.639	46	113052	96.439	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	96.440%		
24) Chloroform-d	5.067	84	118043	47.935	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.860%		
26) 1,2-Dichloroethane-d4	5.706	65	81752	49.467	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.940%		
32) Benzene-d6	5.729	84	256410	47.997	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.000%		
36) 1,2-Dichloropropane-d6	6.694	67	79858	48.233	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	96.460%		
41) Toluene-d8	7.899	98	233351	47.974	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	95.940%		
43) trans-1,3-Dichloroprop...	8.182	79	39995	50.041	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	100.080%		
47) 2-Hexanone-d5	8.636	63	78195	99.610	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	99.610%		
56) 1,1,2,2-Tetrachloroeth...	10.758	84	122893	48.944	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	97.880%		
66) 1,2-Dichlorobenzene-d4	12.195	152	93497	49.889	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.780%		
Target Compounds						Qvalue
10) 1,1,2-Trichloro-1,2,2-...	2.572	101	1007	0.773	ug/L #	21
12) 1,1-Dichloroethene	2.588	96	7492	6.053	ug/L #	1
17) trans-1,2-Dichloroethene	3.356	96	850	0.649	ug/L	93
19) 1,1-Dichloroethane	3.877	63	64096	26.912	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	11134	7.833	ug/L	95
25) Chloroform	5.092	83	10885	4.113	ug/L	98
30) 1,1,1-Trichloroethane	5.321	97	270333	118.155	ug/L	99
31) Carbon tetrachloride	5.321	117	34962	18.000	ug/L	99
35) Methylcyclohexane	6.694	83	18950	8.224	ug/L #	20
37) 1,2-Dichloropropane	6.694	63	8800	5.955	ug/L #	86
39) cis-1,3-Dichloropropene	7.565	75	2359	1.049	ug/L #	56
44) trans-1,3-Dichloropropene	8.182	75	1572	0.712	ug/L #	70
46) Tetrachloroethene	8.555	164	8050	7.371	ug/L	94
49) Dibromochloromethane	8.555	129	7578	4.867	ug/L #	10
60) 1,2,3-Trichloropropane	11.812	75	11778	5.521	ug/L #	64

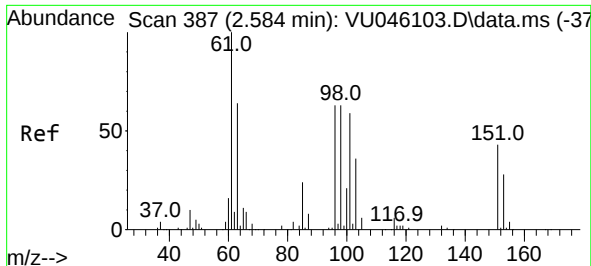
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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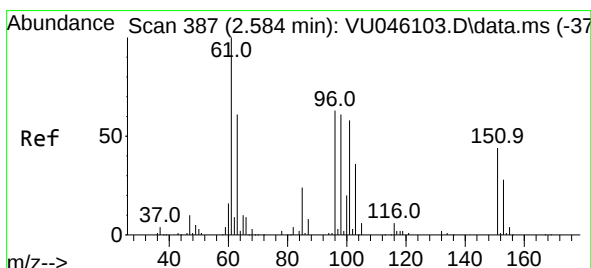
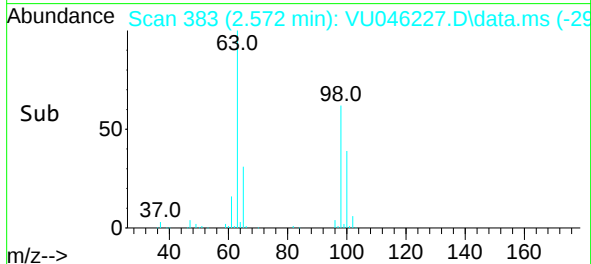
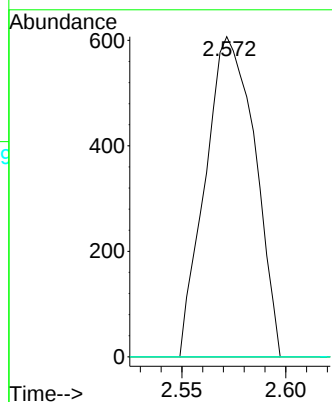
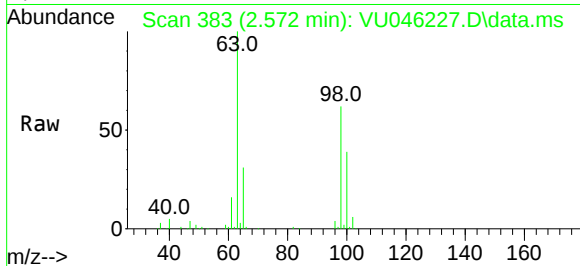




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.773 ug/L
RT: 2.572 min Scan# 383
Delta R.T. -0.016 min
Lab File: VU046227.D
Acq: 09 Dec 2021 18:06

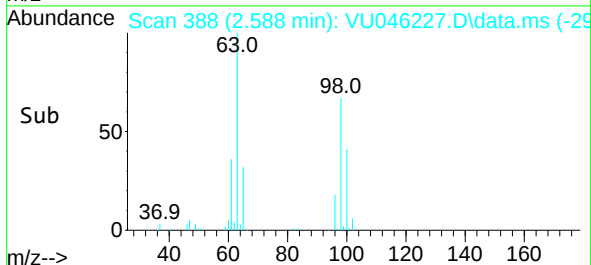
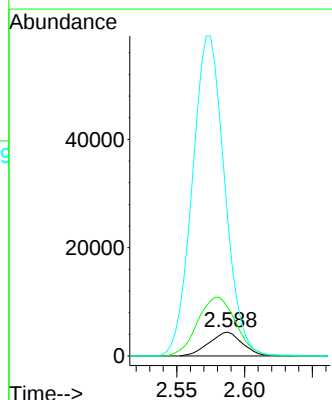
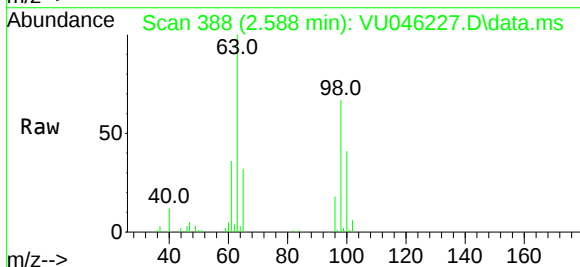
Instrument :
MSVOA_U
ClientSampleId :

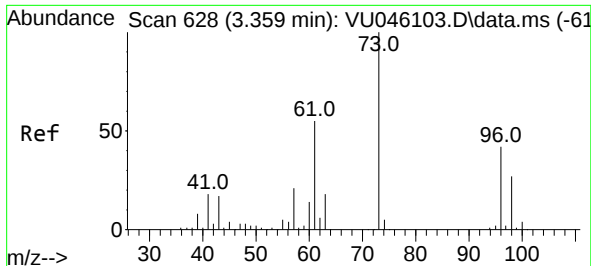
Tgt Ion:101 Resp: 1007
Ion Ratio Lower Upper
101 100
85 0.0 35.1 52.7#
151 0.0 56.7 85.1#



#12
1,1-Dichloroethene
Concen: 6.053 ug/L
RT: 2.588 min Scan# 388
Delta R.T. 0.003 min
Lab File: VU046227.D
Acq: 09 Dec 2021 18:06

Tgt Ion: 96 Resp: 7492
Ion Ratio Lower Upper
96 100
61 203.1 118.6 220.2
63 567.0 93.0 172.8#





#17

trans-1,2-Dichloroethene

Concen: 0.649 ug/L

RT: 3.356 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU046227.D

Acq: 09 Dec 2021 18:06

Instrument :

MSVOA_U

ClientSampleId :

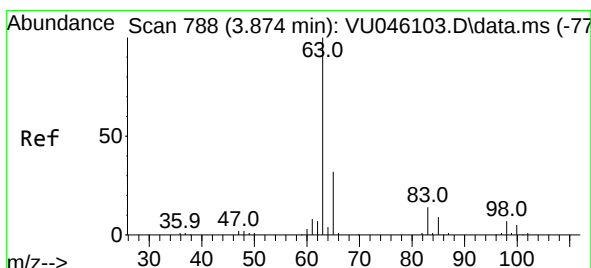
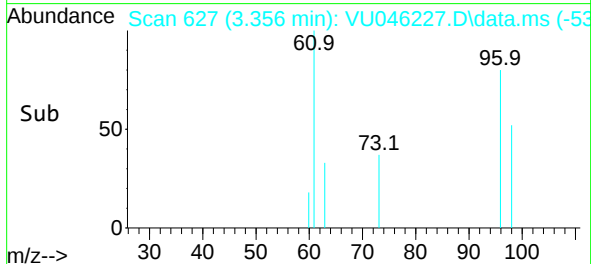
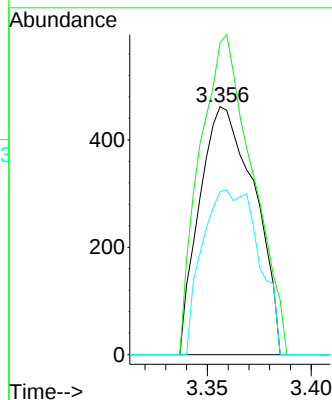
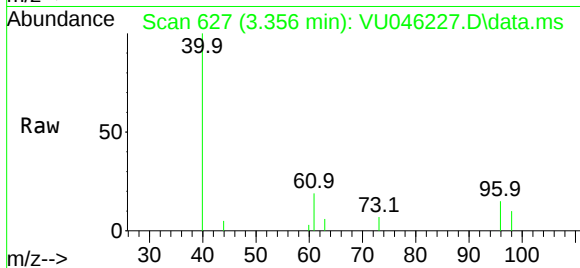
Tgt Ion: 96 Resp: 850

Ion Ratio Lower Upper

96 100

61 125.8 94.6 175.6

98 65.8 44.0 81.8



#19

1,1-Dichloroethane

Concen: 26.912 ug/L

RT: 3.877 min Scan# 789

Delta R.T. 0.000 min

Lab File: VU046227.D

Acq: 09 Dec 2021 18:06

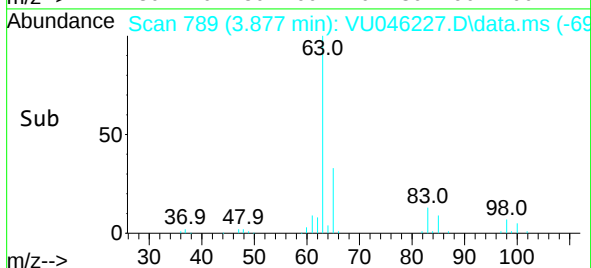
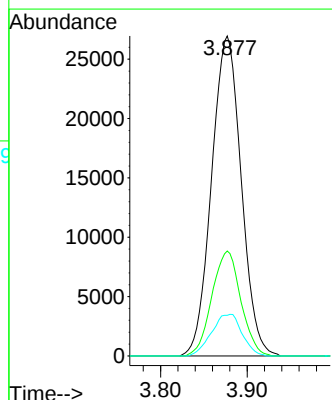
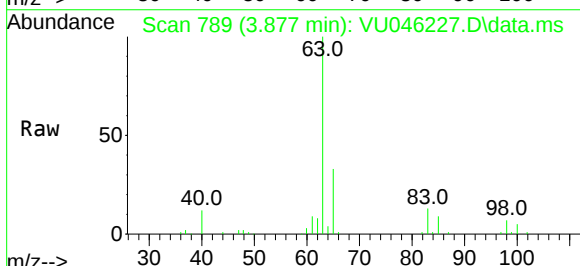
Tgt Ion: 63 Resp: 64096

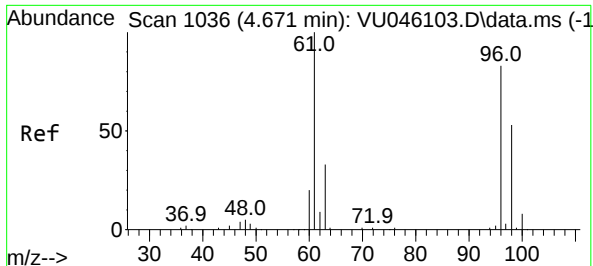
Ion Ratio Lower Upper

63 100

65 32.8 22.8 42.4

83 12.7 9.6 17.8

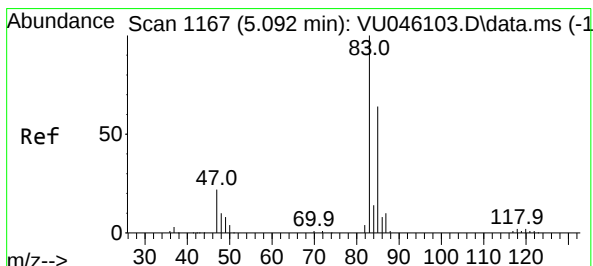
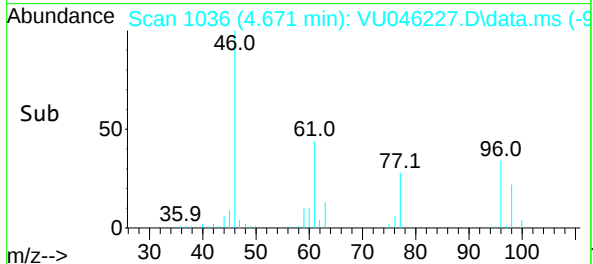
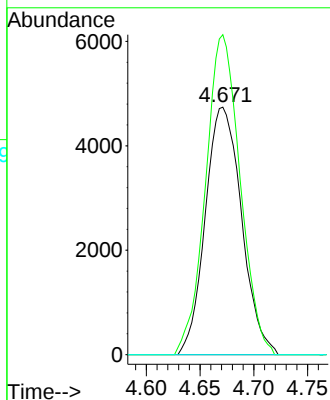
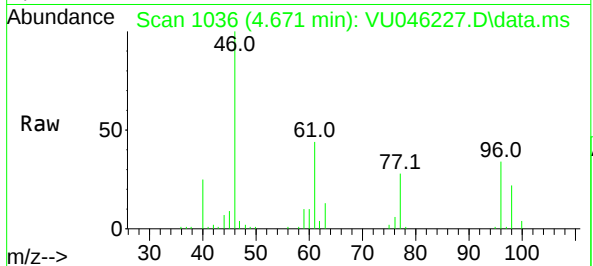




#20
 cis-1,2-Dichloroethene
 Concen: 7.833 ug/L
 RT: 4.671 min Scan# 1103
 Delta R.T. 0.000 min
 Lab File: VU046227.D
 Acq: 09 Dec 2021 18:06

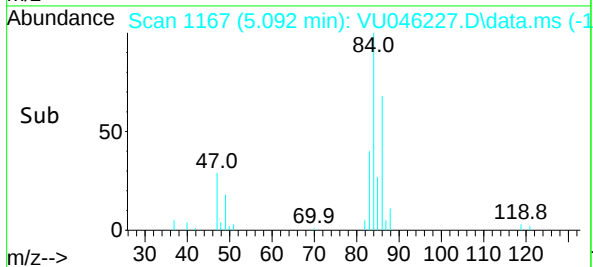
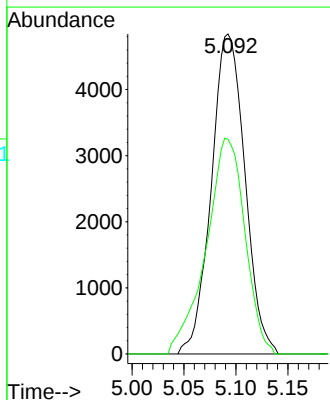
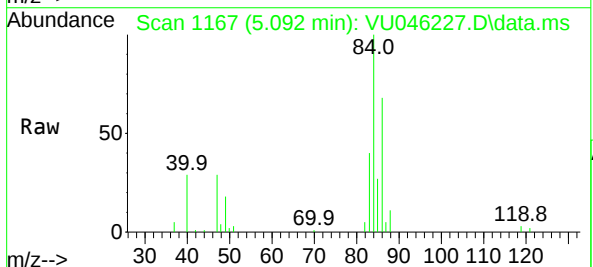
Instrument :
 MSVOA_U
 ClientSampleId :

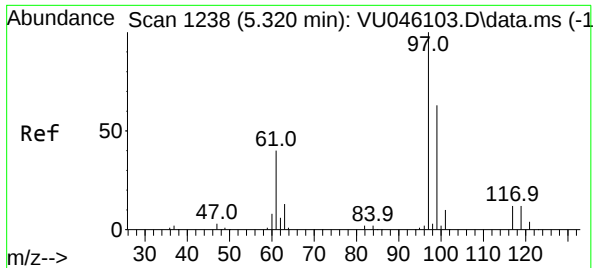
Tgt Ion: 96 Resp: 11134
 Ion Ratio Lower Upper
 96 100
 61 129.3 86.8 161.2
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 4.113 ug/L
 RT: 5.092 min Scan# 1167
 Delta R.T. 0.000 min
 Lab File: VU046227.D
 Acq: 09 Dec 2021 18:06

Tgt Ion: 83 Resp: 10885
 Ion Ratio Lower Upper
 83 100
 85 67.1 45.8 85.2





#30

1,1,1-Trichloroethane

Concen: 118.155 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VU046227.D

Acq: 09 Dec 2021 18:06

Instrument :

MSVOA_U

ClientSampleId :

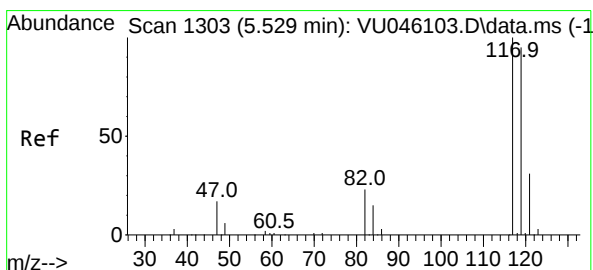
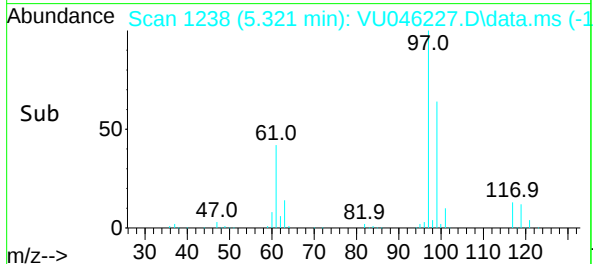
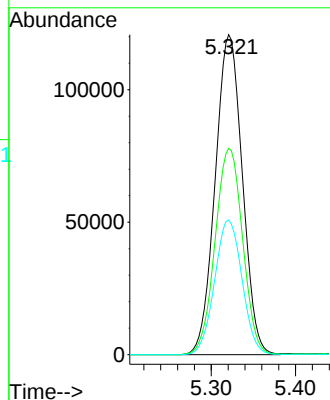
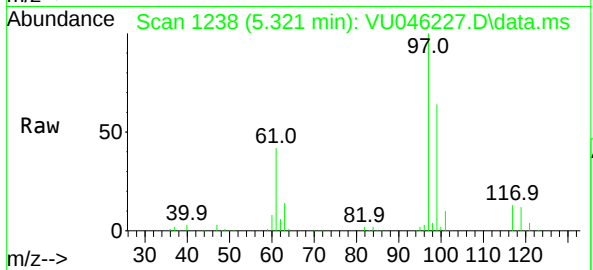
Tgt Ion: 97 Resp: 270333

Ion Ratio Lower Upper

97 100

99 65.4 51.8 77.6

61 42.5 34.4 51.6



#31

Carbon tetrachloride

Concen: 18.000 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.209 min

Lab File: VU046227.D

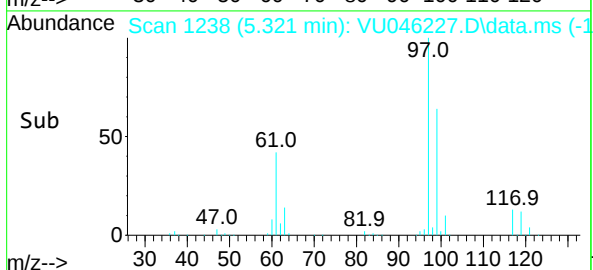
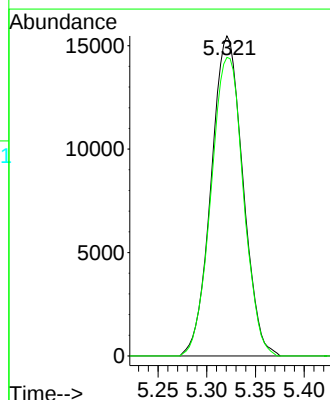
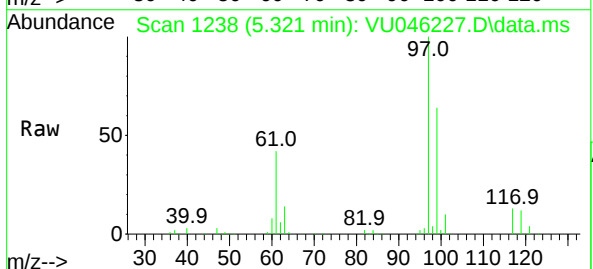
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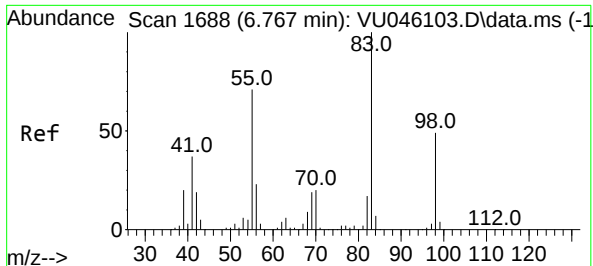
Tgt Ion: 117 Resp: 34962

Ion Ratio Lower Upper

117 100

119 95.3 75.7 113.5





#35

Methylcyclohexane

Concen: 8.224 ug/L

RT: 6.694 min Scan# 1665

Delta R.T. -0.074 min

Lab File: VU046227.D

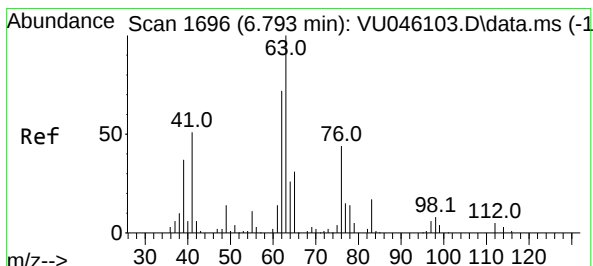
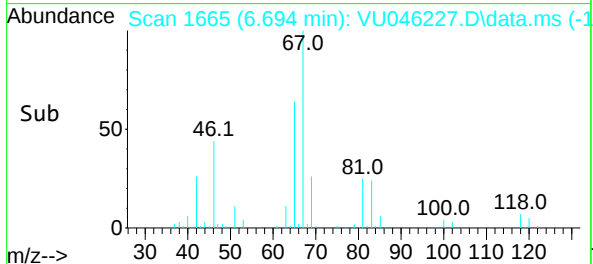
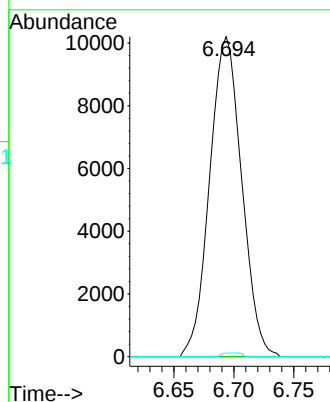
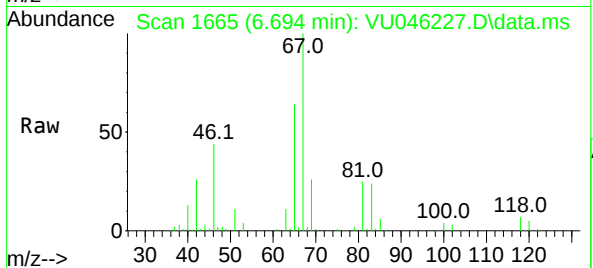
Acq: 09 Dec 2021 18:06

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 83	Resp: 18950
Ion Ratio	Lower Upper
83 100	
55 0.0	57.8 86.6#
98 0.7	38.4 57.6#



#37

1,2-Dichloropropane

Concen: 5.955 ug/L

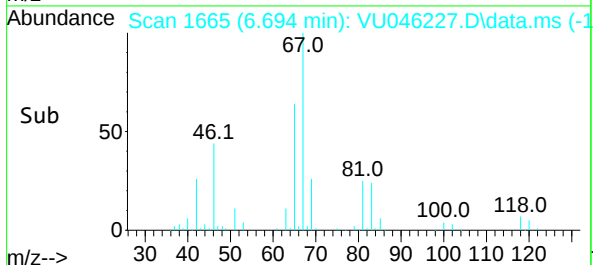
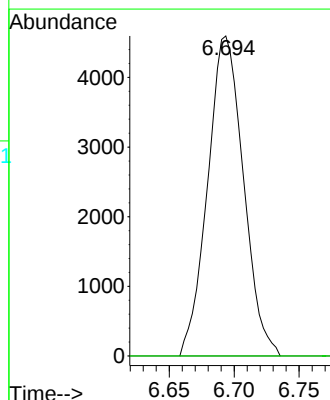
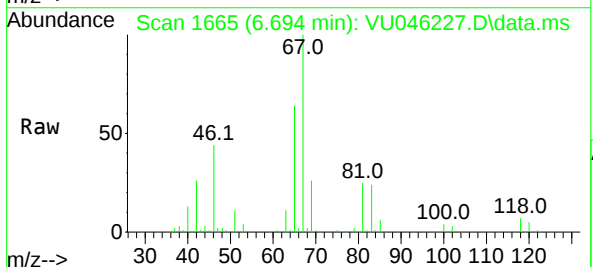
RT: 6.694 min Scan# 1665

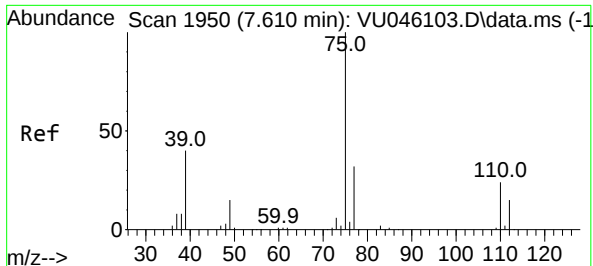
Delta R.T. -0.100 min

Lab File: VU046227.D

Acq: 09 Dec 2021 18:06

Tgt Ion: 63	Resp: 8800
Ion Ratio	Lower Upper
63 100	
112 0.0	3.8 5.6#





#39

cis-1,3-Dichloropropene

Concen: 1.049 ug/L

RT: 7.565 min Scan# 1950

Delta R.T. -0.045 min

Lab File: VU046227.D

Acq: 09 Dec 2021 18:06

Instrument :

MSVOA_U

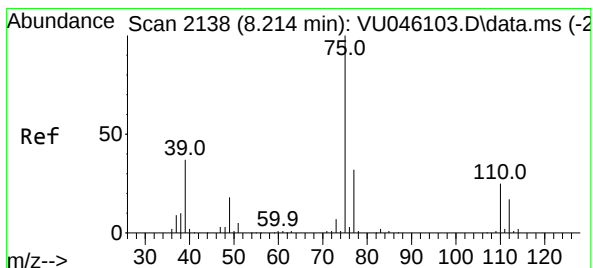
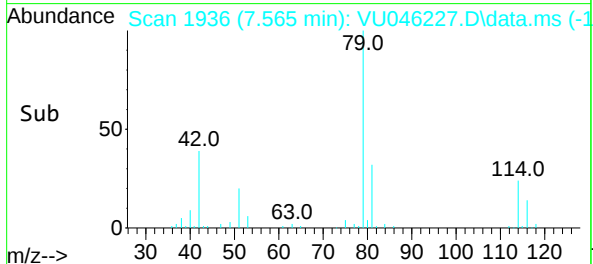
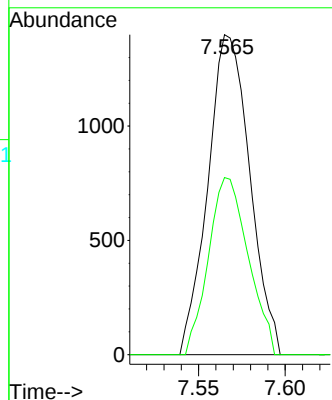
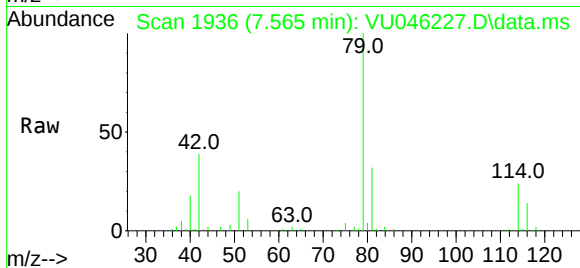
ClientSampleId :

Tgt Ion: 75 Resp: 2359

Ion Ratio Lower Upper

75 100

77 55.4 21.8 40.6#



#44

trans-1,3-Dichloropropene

Concen: 0.712 ug/L

RT: 8.182 min Scan# 2128

Delta R.T. -0.032 min

Lab File: VU046227.D

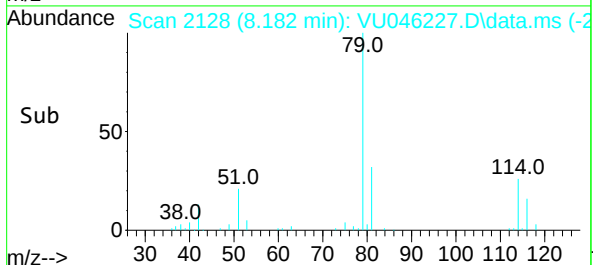
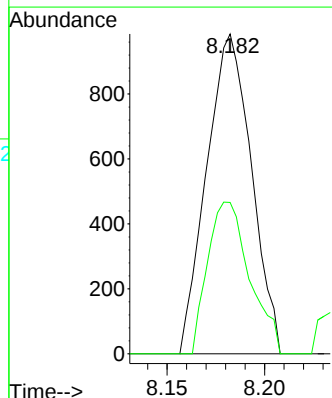
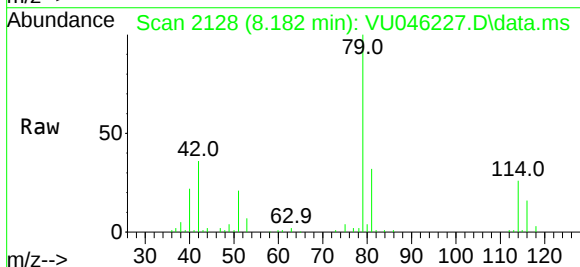
Acq: 09 Dec 2021 18:06

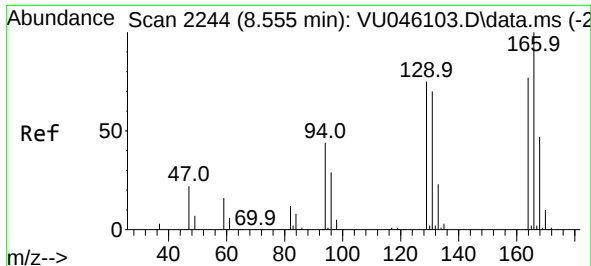
Tgt Ion: 75 Resp: 1572

Ion Ratio Lower Upper

75 100

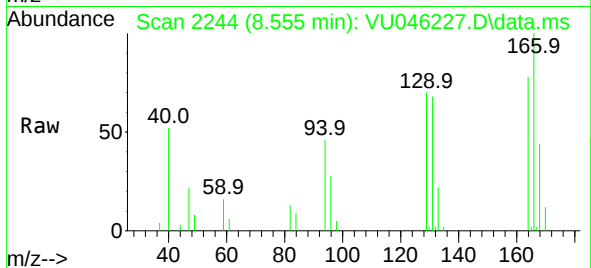
77 47.3 21.7 40.3#



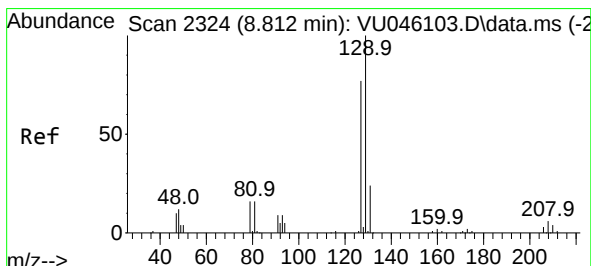
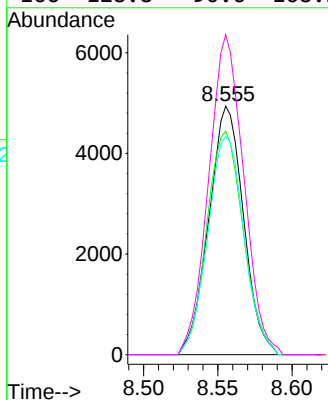
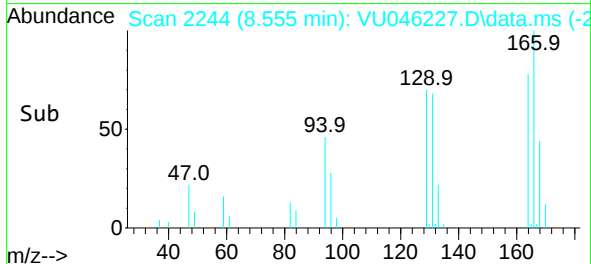


#46
Tetrachloroethene
Concen: 7.371 ug/L
RT: 8.555 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU046227.D
Acq: 09 Dec 2021 18:06

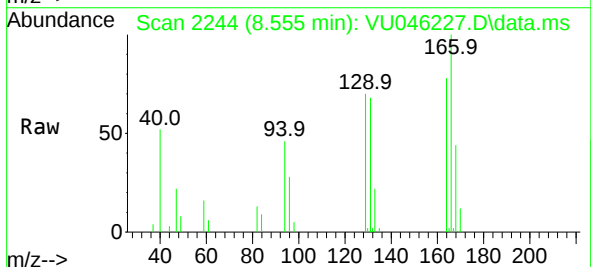
Instrument :
MSVOA_U
ClientSampleId :



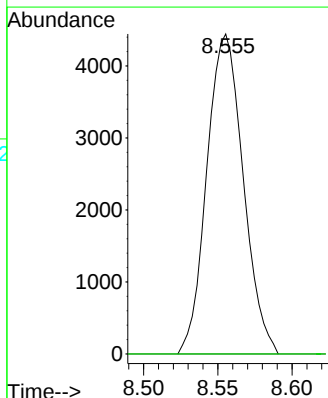
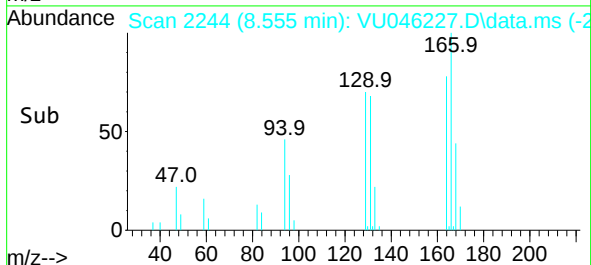
Tgt Ion:164 Resp: 8050
Ion Ratio Lower Upper
164 100
129 90.0 71.1 132.1
131 87.9 67.8 126.0
166 128.8 90.6 168.2

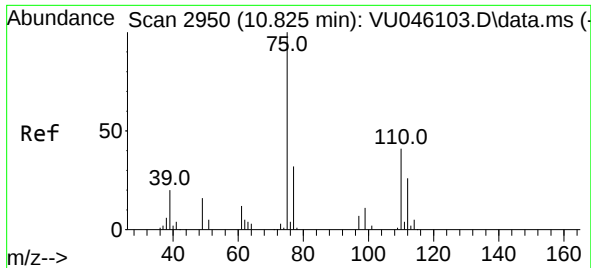


#49
Dibromochloromethane
Concen: 4.867 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.257 min
Lab File: VU046227.D
Acq: 09 Dec 2021 18:06



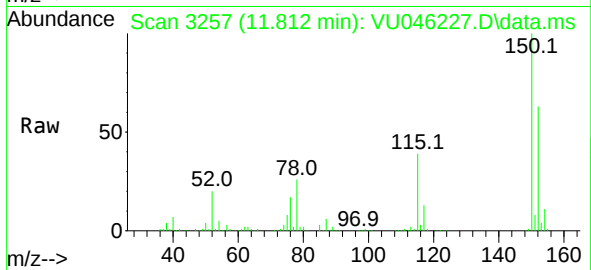
Tgt Ion:129 Resp: 7578
Ion Ratio Lower Upper
129 100
127 0.0 55.6 103.4#





#60
 1,2,3-Trichloropropane
 Concen: 5.521 ug/L
 RT: 11.812 min Scan# 31
 Delta R.T. 0.987 min
 Lab File: VU046227.D
 Acq: 09 Dec 2021 18:06

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 75 Resp: 11778
 Ion Ratio Lower Upper
 75 100
 77 30.0 26.4 39.6
 110 2.3 32.4 48.6#

