

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121621\
 Data File : VU046413.D
 Acq On : 16 Dec 2021 12:15
 Operator : SY/MD
 Sample : M4997-07
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 EW5R2

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/17/2021
 Supervised By : Mahesh Dadoda 12/17/2021

Quant Time: Dec 17 01:51:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 17 01:49:40 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	138020	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	143255	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	66530	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	60405	53.130	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 106.260%			
7) Chloroethane-d5	1.919	69	43382	49.697	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 99.400%			
11) 1,1-Dichloroethene-d2	2.571	63	77260	37.854	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 75.700%			
21) 2-Butanone-d5	4.636	46	77024	85.221	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 85.220%			
24) Chloroform-d	5.070	84	102157	53.806	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 107.620%			
26) 1,2-Dichloroethane-d4	5.706	65	67013	52.593	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 105.180%			
32) Benzene-d6	5.732	84	199325	48.546	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 97.100%			
36) 1,2-Dichloropropane-d6	6.693	67	61936	48.673	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 97.340%			
41) Toluene-d8	7.899	98	170706	45.662	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 91.320%			
43) trans-1,3-Dichloroprop...	8.182	79	28491	46.381	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 92.760%			
47) 2-Hexanone-d5	8.636	63	58587	97.104	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 97.100%			
56) 1,1,2,2-Tetrachloroeth...	10.758	84	88443	45.830	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 91.660%			
66) 1,2-Dichlorobenzene-d4	12.195	152	63104	49.252	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 98.500%			
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.584	96	1569	1.644	ug/L	# 1
17) trans-1,2-Dichloroethene	3.356	96	1121m	1.110	ug/L	
19) 1,1-Dichloroethane	3.877	63	89565	48.775	ug/L	99
20) cis-1,2-Dichloroethene	4.674	96	11122	10.149	ug/L	95
30) 1,1,1-Trichloroethane	5.321	97	124687	70.907	ug/L	100
46) Tetrachloroethene	8.555	164	4714	5.616	ug/L	91

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

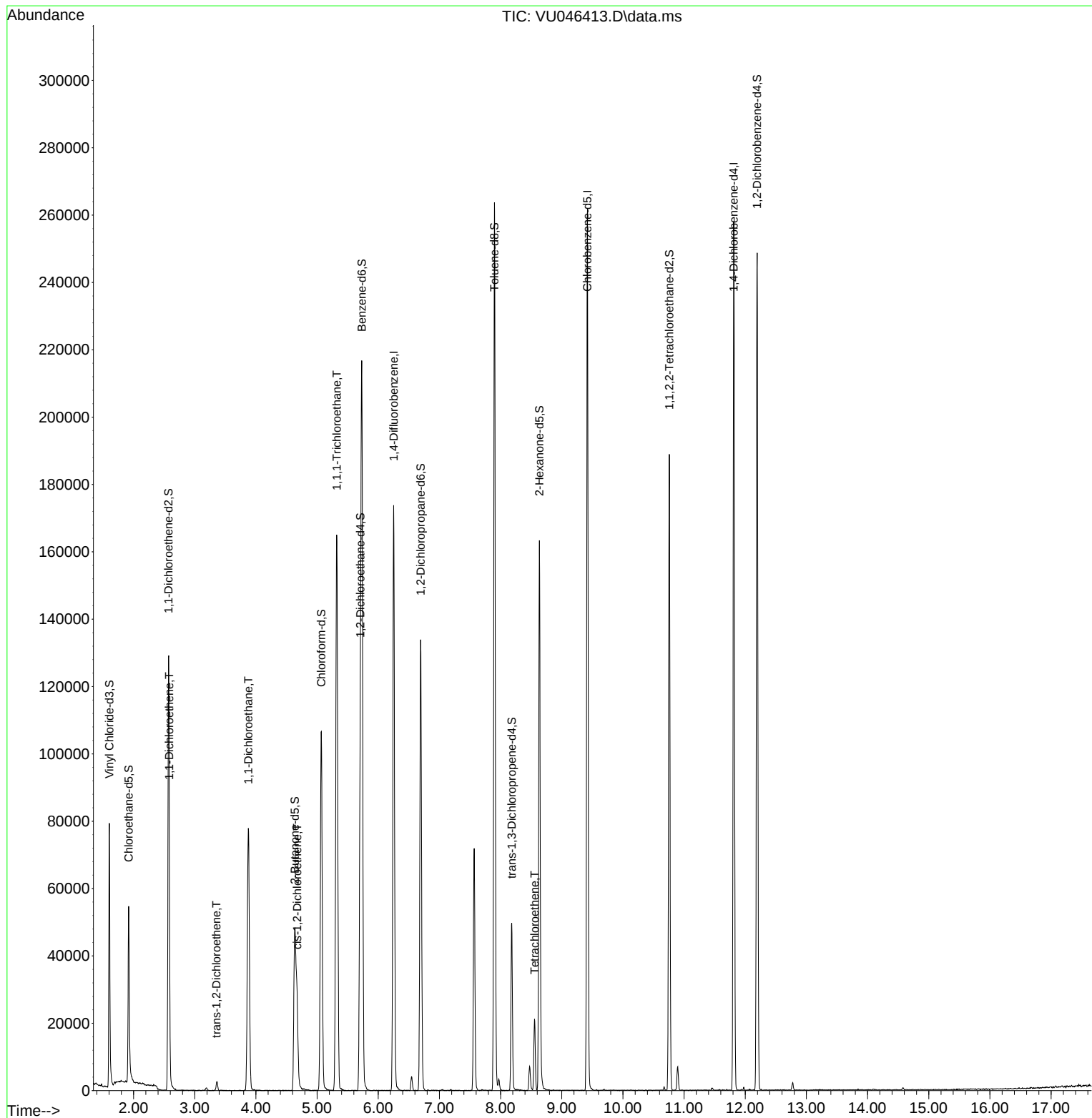
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121621\
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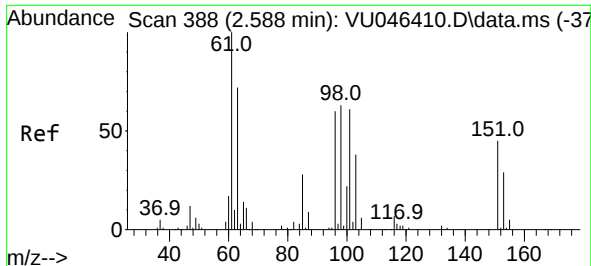
Instrument :
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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 1.644 ug/L

RT: 2.584 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU046413.D

Acq: 16 Dec 2021 12:15

Instrument :

MSVOA_U

ClientSampleId :

EW5R2

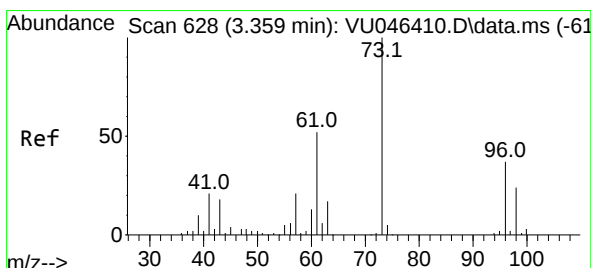
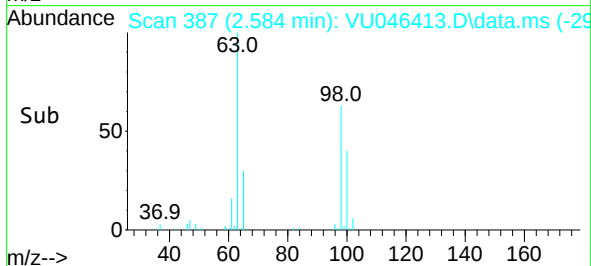
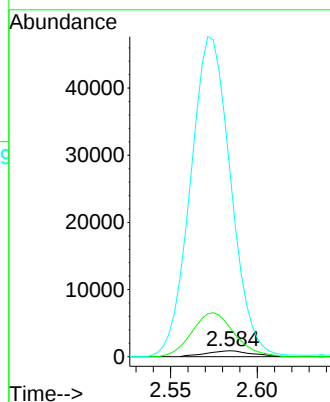
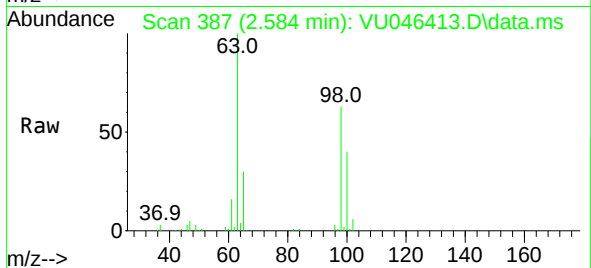
Tgt Ion: 96 Resp: 1569
 Ion Ratio Lower Upper
 96 100
 61 482.5 118.6 220.2
 63 3079.3 93.0 172.8

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#17

trans-1,2-Dichloroethene

Concen: 1.110 ug/L m

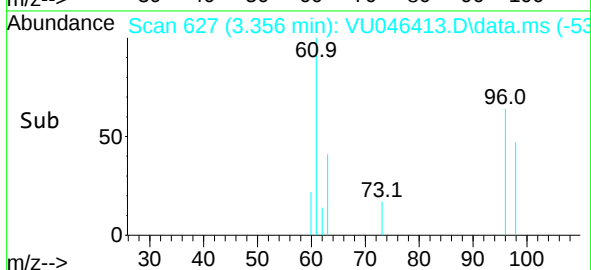
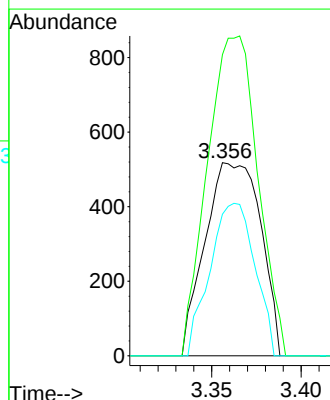
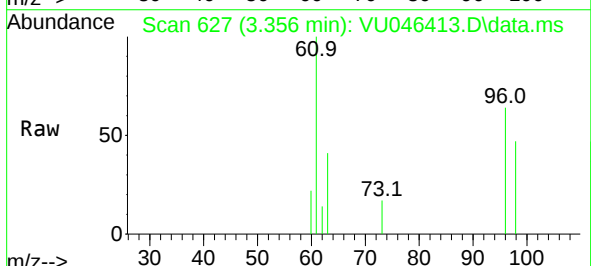
RT: 3.356 min Scan# 627

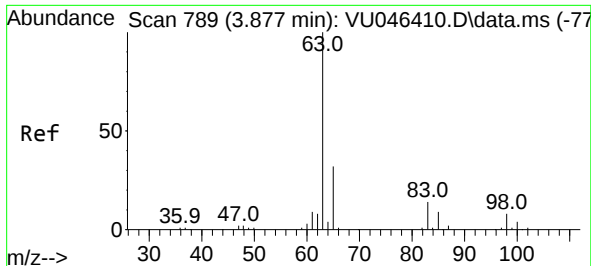
Delta R.T. -0.003 min

Lab File: VU046413.D

Acq: 16 Dec 2021 12:15

Tgt Ion: 96 Resp: 1121
 Ion Ratio Lower Upper
 96 100
 61 156.0 94.6 175.6
 98 73.4 44.0 81.8





#19

1,1-Dichloroethane

Concen: 48.775 ug/L

RT: 3.877 min Scan# 789

Delta R.T. -0.000 min

Lab File: VU046413.D

Acq: 16 Dec 2021 12:15

Instrument :

MSVOA_U

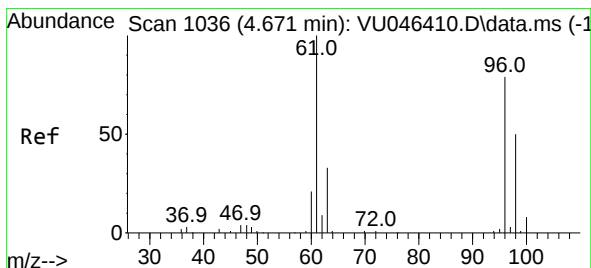
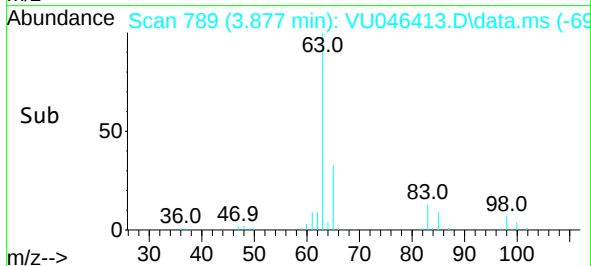
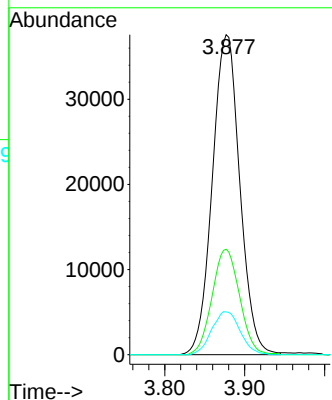
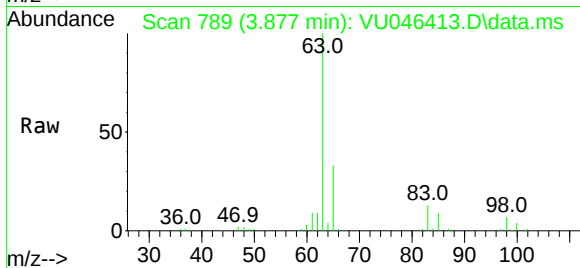
ClientSampleId :

EW5R2

Tgt Ion: 63 Resp: 8956
 Ion Ratio Lower Upper
 63 100
 65 33.0 22.8 42.4
 83 13.4 9.6 17.8

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#20

cis-1,2-Dichloroethene

Concen: 10.149 ug/L

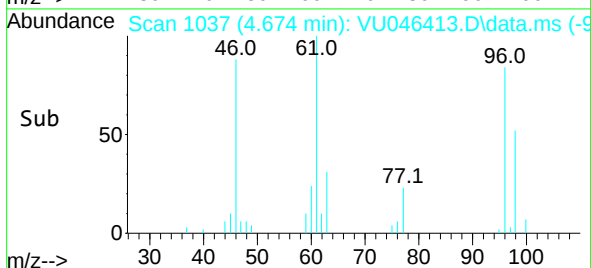
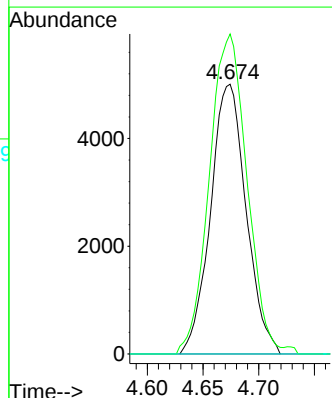
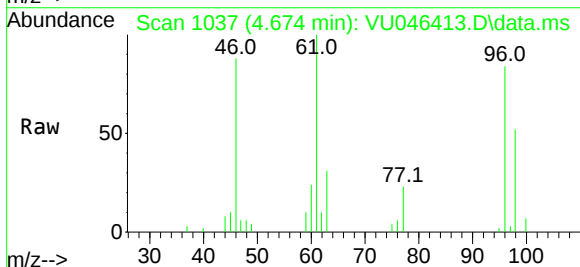
RT: 4.674 min Scan# 1037

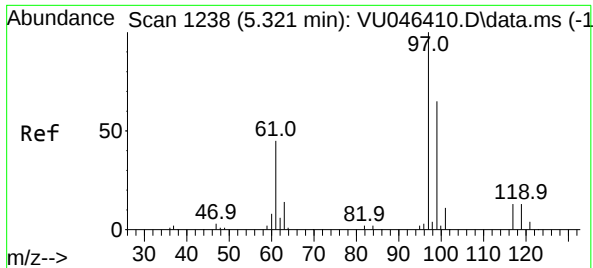
Delta R.T. 0.003 min

Lab File: VU046413.D

Acq: 16 Dec 2021 12:15

Tgt Ion: 96 Resp: 11122
 Ion Ratio Lower Upper
 96 100
 61 118.6 86.8 161.2
 68 0.0 0.0 0.0





#30

1,1,1-Trichloroethane

Concen: 70.907 ug/L

RT: 5.321 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VU046413.D

Acq: 16 Dec 2021 12:15

Instrument :

MSVOA_U

ClientSampleId :

EW5R2

Tgt Ion: 97 Resp: 12468

Ion Ratio Lower Upper

97 100

99 64.8 51.8 77.6

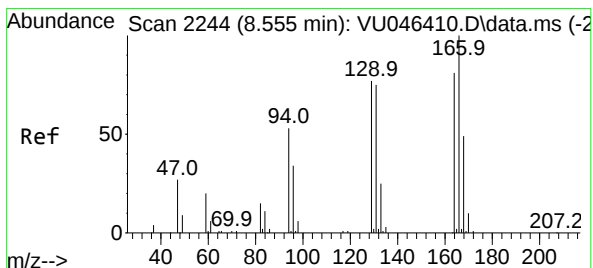
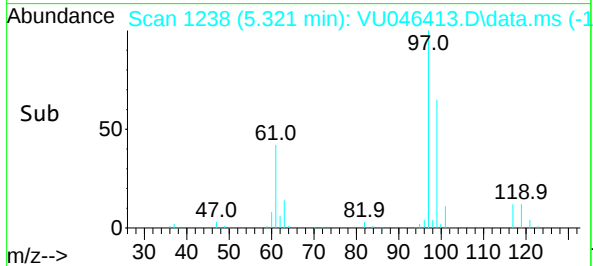
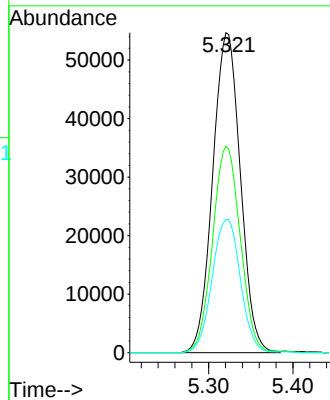
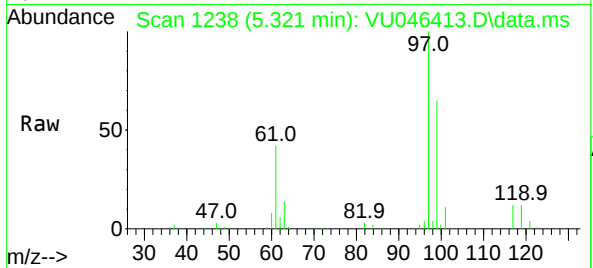
61 42.7 34.4 51.6

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#46

Tetrachloroethene

Concen: 5.616 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.000 min

Lab File: VU046413.D

Acq: 16 Dec 2021 12:15

Tgt Ion:164 Resp: 4714

Ion Ratio Lower Upper

164 100

129 91.1 71.1 132.1

131 91.1 67.8 126.0

166 117.4 90.6 168.2

