

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121321\
 Data File : VU046335.D
 Acq On : 13 Dec 2021 22:42
 Operator : SY/MD
 Sample : M5023-15ME
 Misc : 6.90g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BGKZ2ME

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/14/2021
 Supervised By : Mahesh Dadoda 12/14/2021

Quant Time: Dec 14 03:55:33 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 14 03:19:41 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	175760	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.427	117	183915	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.822	152	87619	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	73417	50.709	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 101.420%			
7) Chloroethane-d5	1.916	69	48002	43.182	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 86.360%			
11) 1,1-Dichloroethene-d2	2.549	63	89853	34.571	ug/L	-0.03
Spiked Amount 50.000	Range 60 - 125		Recovery = 69.140%			
21) 2-Butanone-d5	4.661	46	107796	93.658	ug/L	0.02
Spiked Amount 100.000	Range 40 - 130		Recovery = 93.660%			
24) Chloroform-d	5.063	84	128848	53.292	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 106.580%			
26) 1,2-Dichloroethane-d4	5.703	65	91970	56.680	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 113.360%			
32) Benzene-d6	5.726	84	267927	50.827	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 101.660%			
36) 1,2-Dichloropropane-d6	6.694	67	84317	51.612	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 103.220%			
41) Toluene-d8	7.899	98	239153	49.829	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 99.660%			
43) trans-1,3-Dichloroprop...	8.185	79	40979	51.962	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 103.920%			
47) 2-Hexanone-d5	8.684	63	82059	105.939	ug/L	0.05
Spiked Amount 100.000	Range 45 - 130		Recovery = 105.940%			
56) 1,1,2,2-Tetrachloroeth...	10.771	84	126527	51.070	ug/L	0.01
Spiked Amount 50.000	Range 65 - 120		Recovery = 102.140%			
66) 1,2-Dichlorobenzene-d4	12.201	152	89157	52.837	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 105.680%			
Target Compounds						Qvalue
12) 1,1-Dichloroethene	2.559	96	3355	2.761	ug/L	# 1
19) 1,1-Dichloroethane	3.864	63	4804	2.054	ug/L	97
20) cis-1,2-Dichloroethene	4.668	96	1065	0.763	ug/L	92
22) 2-Butanone	4.748	43	13238m	8.454	ug/L	
34) Trichloroethene	6.539	95	20658	14.087	ug/L	97
46) Tetrachloroethene	8.555	164	21238	19.708	ug/L	99

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

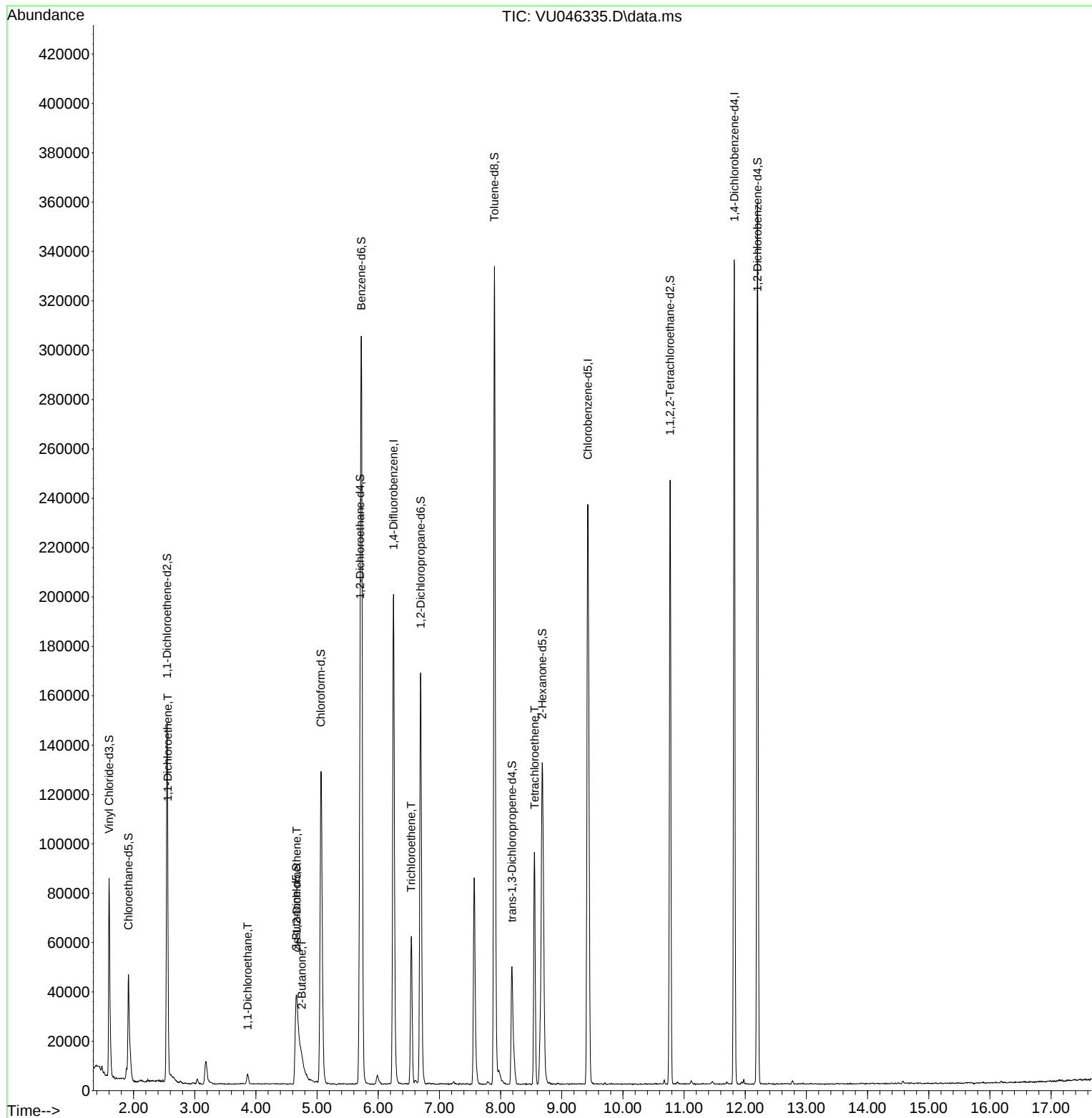
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121321\
Data File : VU046335.D
Acq On : 13 Dec 2021 22:42
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ALS Vial : 31 Sample Multiplier: 1

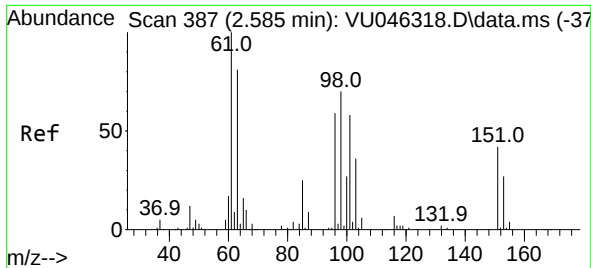
Instrument :
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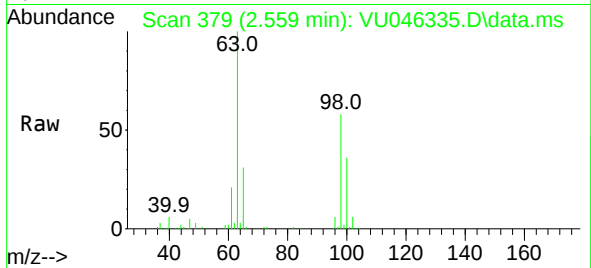
Quant Time: Dec 14 03:55:33 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM112921WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Dec 14 03:19:41 2021
Response via : Initial Calibration





#12
1,1-Dichloroethene
Concen: 2.761 ug/L
RT: 2.559 min Scan# 31
Delta R.T. -0.026 min
Lab File: VU046335.D
Acq: 13 Dec 2021 22:42

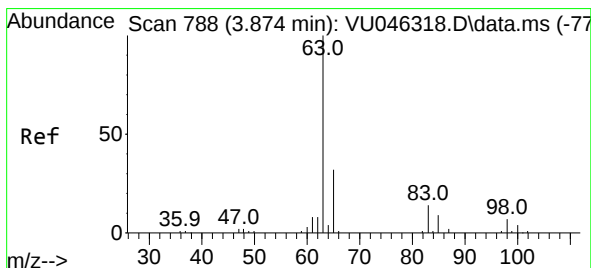
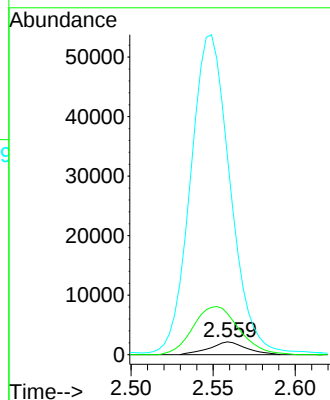
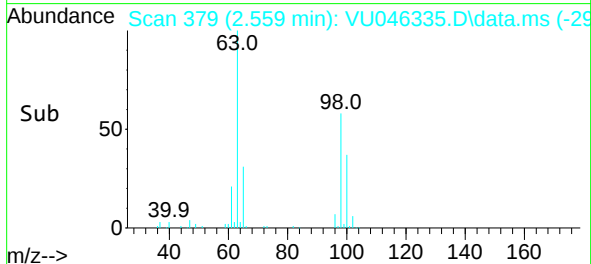
Instrument :
MSVOA_U
ClientSampleId :
BGKZ2ME



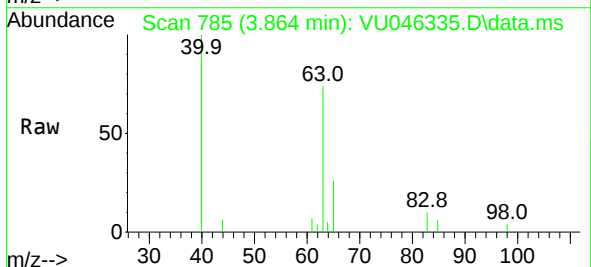
Tgt Ion: 96 Resp: 335
Ion Ratio Lower Upper
96 100
61 322.0 118.6 220.2
63 1552.7 93.0 172.8

Manual Integrations
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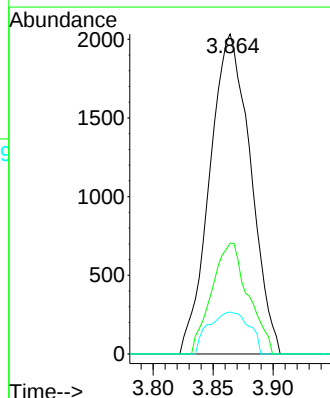
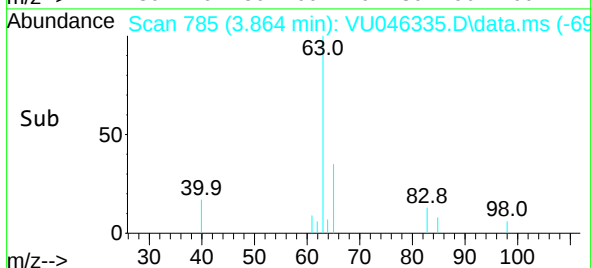
Reviewed By :John Carlone 12/14/2021
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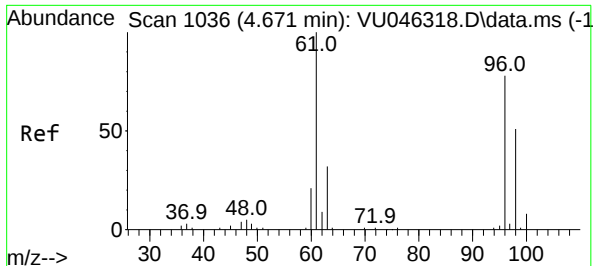


#19
1,1-Dichloroethane
Concen: 2.054 ug/L
RT: 3.864 min Scan# 785
Delta R.T. -0.010 min
Lab File: VU046335.D
Acq: 13 Dec 2021 22:42



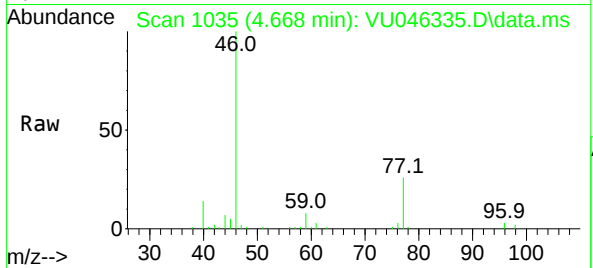
Tgt Ion: 63 Resp: 4804
Ion Ratio Lower Upper
63 100
65 34.6 22.8 42.4
83 13.1 9.6 17.8





#20
 cis-1,2-Dichloroethene
 Concen: 0.763 ug/L
 RT: 4.668 min Scan# 1060
 Delta R.T. -0.003 min
 Lab File: VU046335.D
 Acq: 13 Dec 2021 22:42

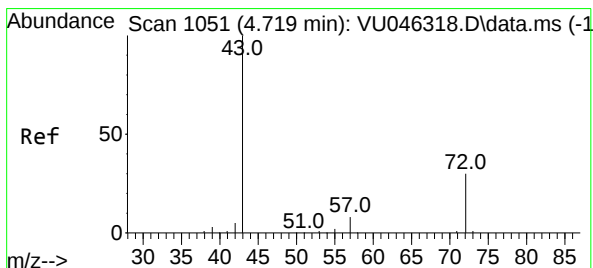
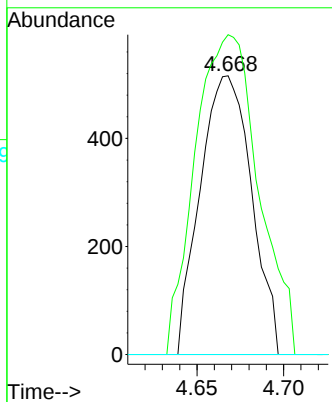
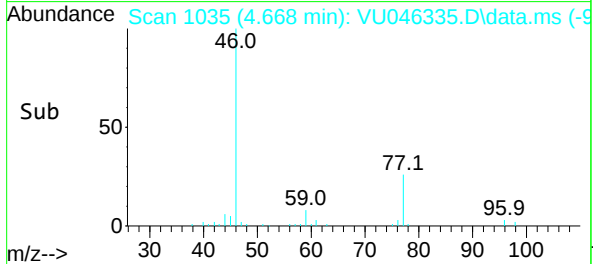
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Tgt Ion: 96 Resp: 1060
 Ion Ratio Lower Upper
 96 100
 61 114.7 86.8 161.2
 68 0.0 0.0 0.0

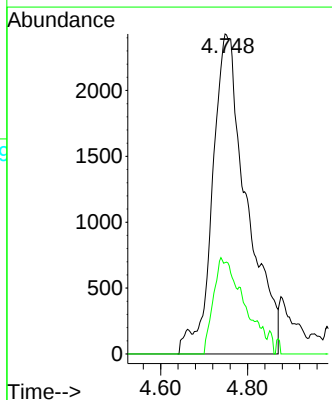
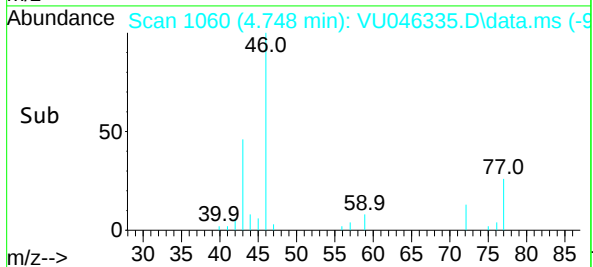
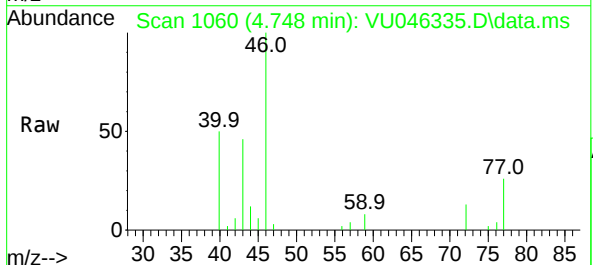
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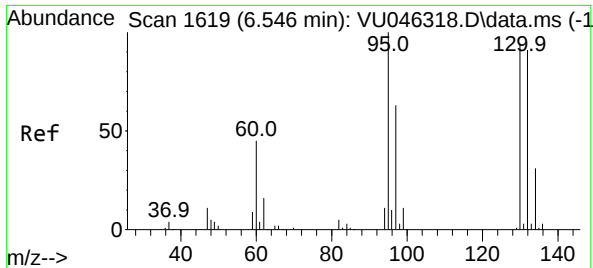
Reviewed By :John Carlone 12/14/2021
 Supervised By :Mahesh Dadoda 12/14/2021



#22
 2-Butanone
 Concen: 8.454 ug/L m
 RT: 4.748 min Scan# 1060
 Delta R.T. 0.029 min
 Lab File: VU046335.D
 Acq: 13 Dec 2021 22:42

Tgt Ion: 43 Resp: 13238
 Ion Ratio Lower Upper
 43 100
 72 9.4 14.5 43.6#





#34

Trichloroethene

Concen: 14.087 ug/L

RT: 6.539 min Scan# 1

Delta R.T. -0.007 min

Lab File: VU046335.D

Acq: 13 Dec 2021 22:42

Instrument :

MSVOA_U

ClientSampleId :

BGKZ2ME

Tgt Ion: 95 Resp: 20658

Ion Ratio Lower Upper

95 100

97 61.5 44.1 81.9

132 93.1 66.8 124.0

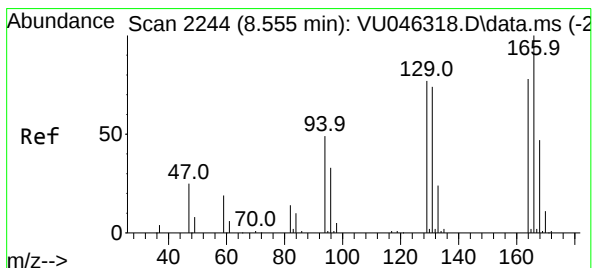
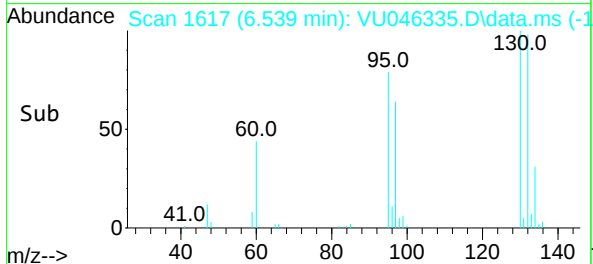
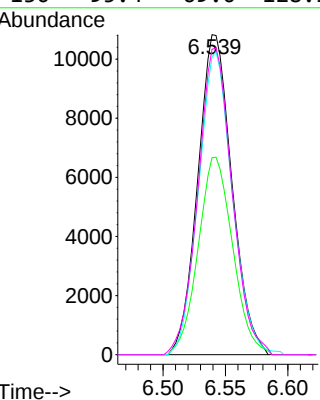
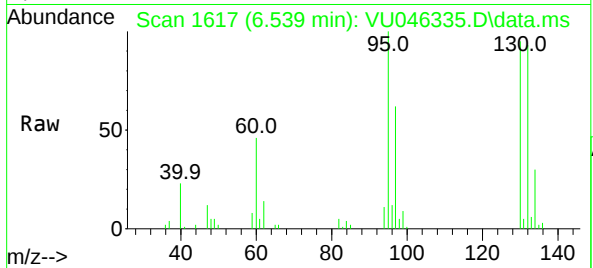
130 95.4 69.0 128.1

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#46

Tetrachloroethene

Concen: 19.708 ug/L

RT: 8.555 min Scan# 2244

Delta R.T. -0.000 min

Lab File: VU046335.D

Acq: 13 Dec 2021 22:42

Tgt Ion:164 Resp: 21238

Ion Ratio Lower Upper

164 100

129 102.1 71.1 132.1

131 96.9 67.8 126.0

166 133.0 90.6 168.2

