

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU040620\
 Data File : VU037586.D
 Acq On : 06 Apr 2020 13:37
 Operator : JC/MD
 Sample : L2158-04
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 C0EZ5

Quant Time: Apr 07 01:19:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM040320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 07 00:48:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	170682	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	156911	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	72855	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	56074	40.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.90%
7) Chloroethane-d5	1.93	69	48181	43.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.52%
11) 1,1-Dichloroethene-d2	2.59	63	80269	34.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	68.90%
21) 2-Butanone-d5	4.66	46	100641	96.60	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.60%
24) Chloroform-d	5.10	84	104272	44.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.30%
26) 1,2-Dichloroethane-d4	5.74	65	69974	45.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.26%
32) Benzene-d6	5.76	84	212785	46.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.60%
36) 1,2-Dichloropropane-d6	6.72	67	72142	47.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.28%
41) Toluene-d8	7.92	98	194659	45.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.88%
43) trans-1,3-Dichloropropene-	8.20	79	36463	43.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.76%
47) 2-Hexanone-d5	8.65	63	79357	97.87	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.87%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	103824	47.45	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.90%
64) 1,2-Dichlorobenzene-d4	12.20	152	69783	46.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.88%

Target Compounds

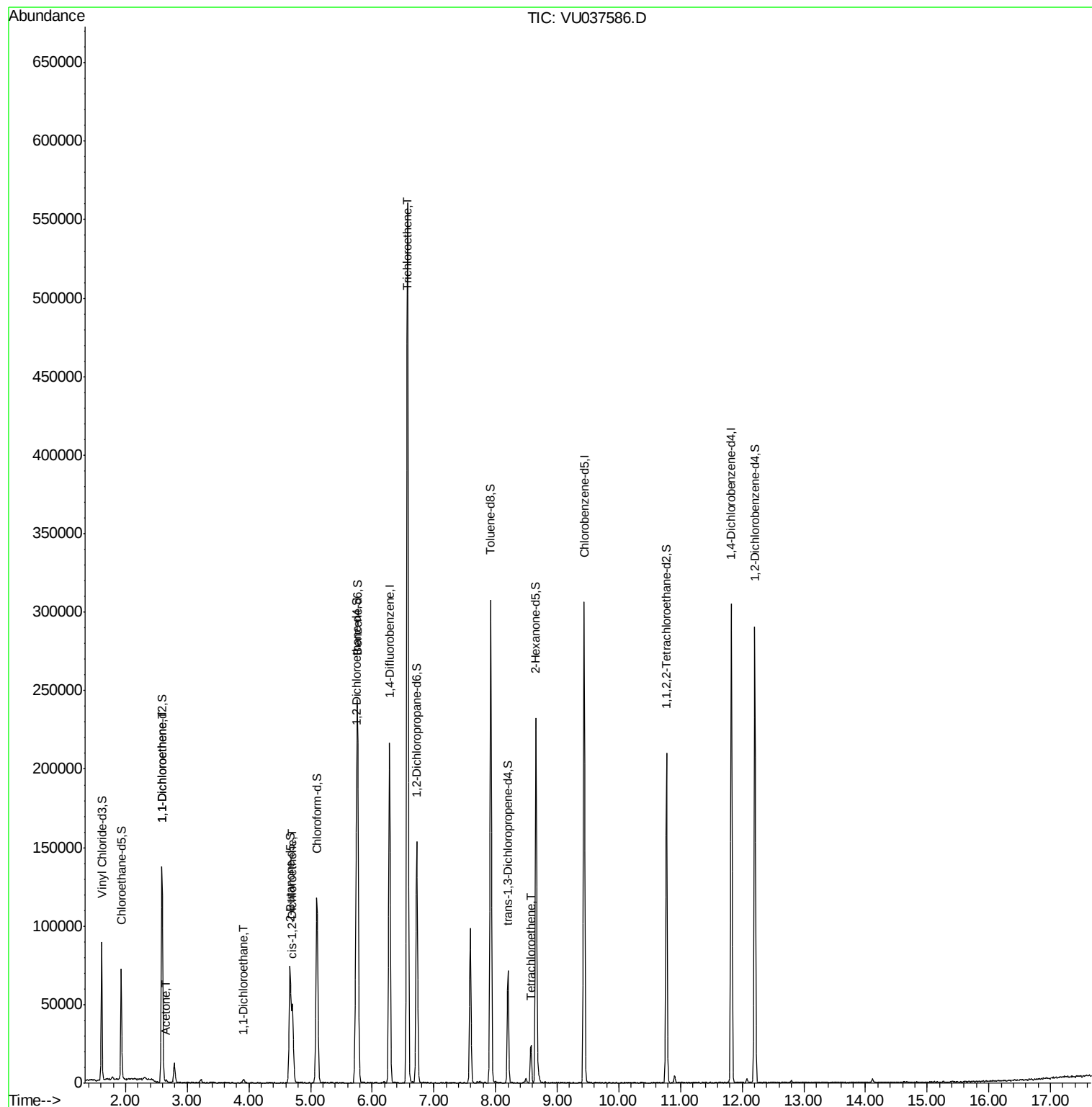
					Ovalue
12) 1,1-Dichloroethene	2.60	96	2003	2.194 ug/L	# 1
13) Acetone	2.65	43	1976	3.281 ug/L	99
19) 1,1-Dichloroethane	3.92	63	2928	1.520 ug/L	94
20) cis-1,2-Dichloroethene	4.71	96	22446	19.826 ug/L	99
34) Trichloroethene	6.57	95	189739	176.493 ug/L	98
46) Tetrachloroethene	8.57	164	4886	6.769 ug/L	91

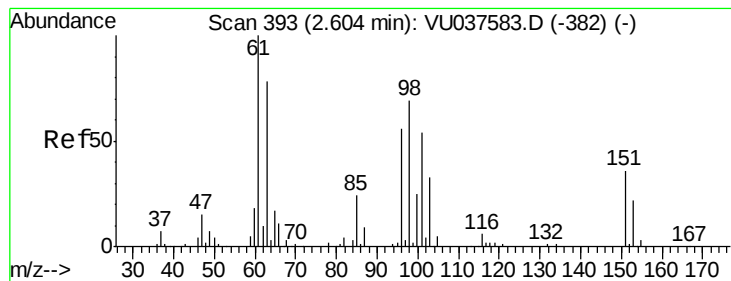
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 2.194 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU037586.D

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C0EZ5

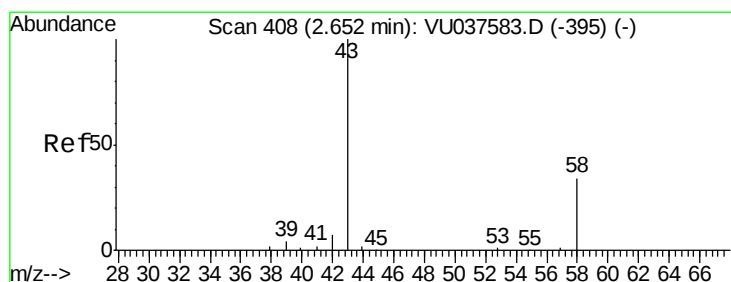
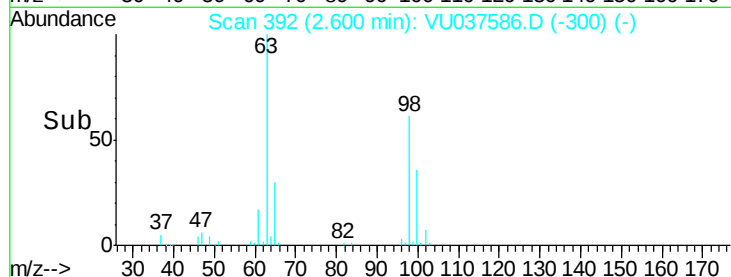
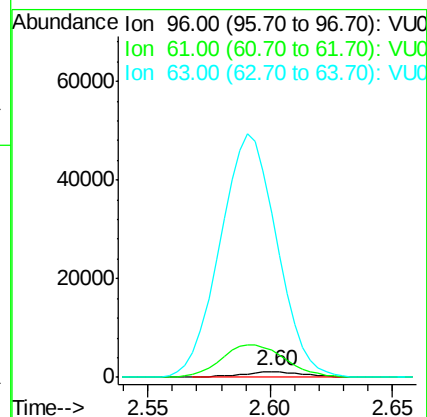
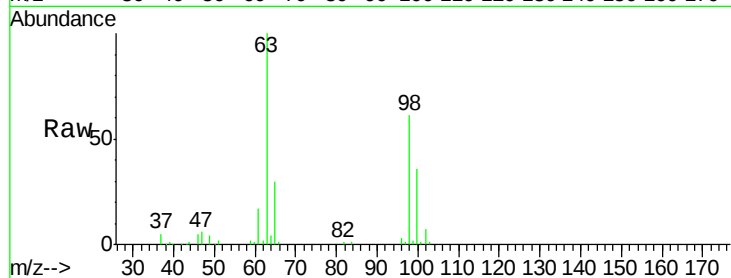
Tot Ion: 96 Resp: 2003

Ion Ratio Lower Upper

96 100

61 493.9 117.2 217.8#

63 2975.2 90.9 168.9#



#13

Acetone

Concen: 3.281 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.00 min

Lab File: VU037586.D

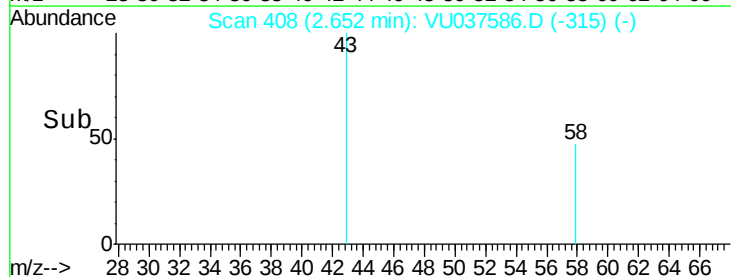
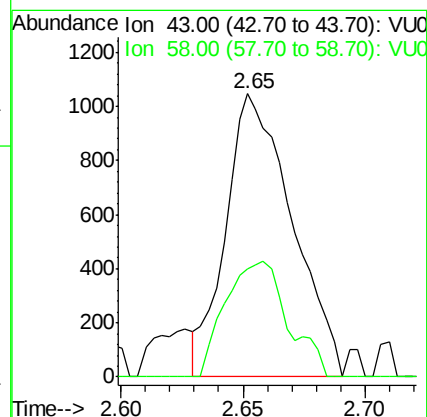
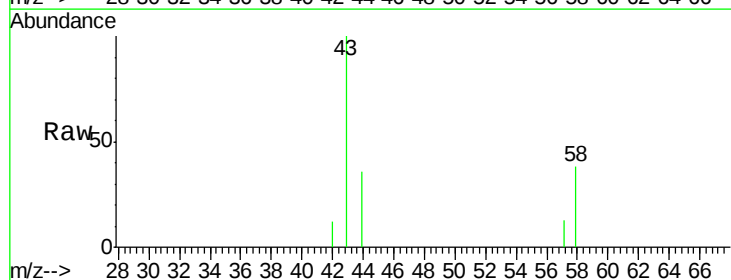
Acq: 06 Apr 2020 13:37

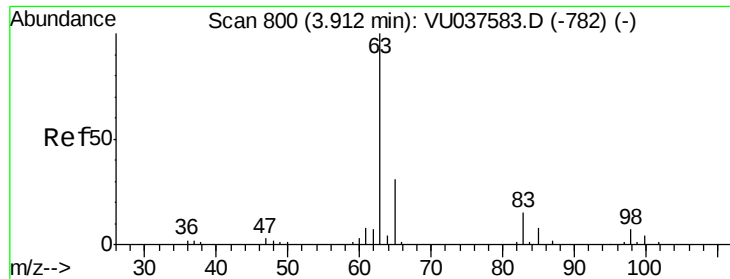
Tgt Ion: 43 Resp: 1976

Ion Ratio Lower Upper

43 100

58 34.7 0.0 68.8

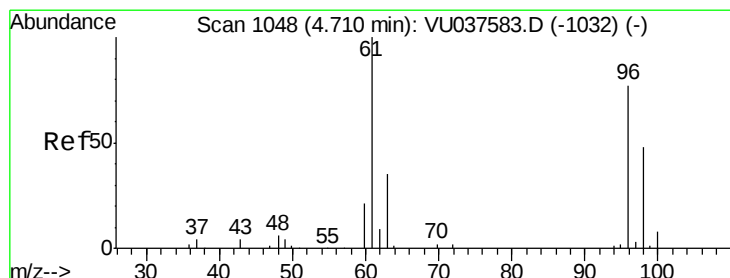
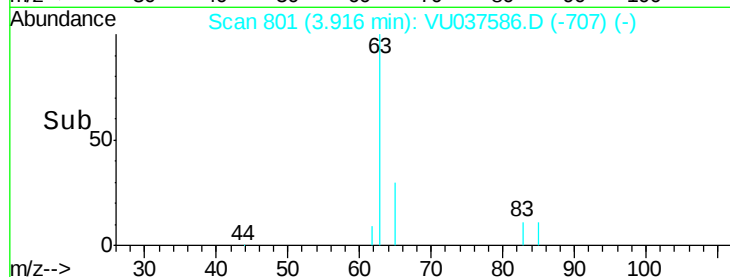
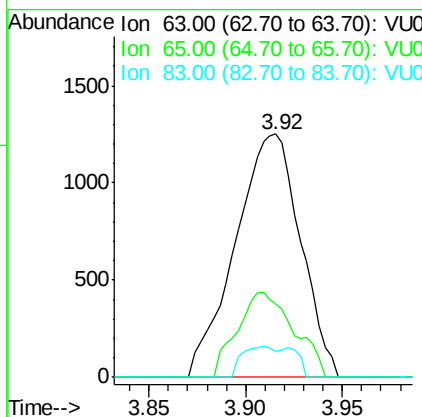
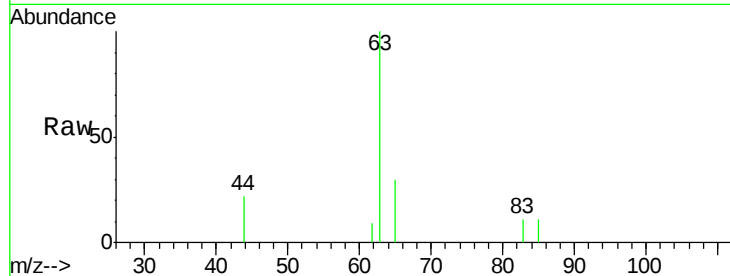




#19
 1,1-Dichloroethane
 Concen: 1.520 ug/L
 RT: 3.92 min Scan# 801
 Delta R.T. 0.00 min
 Lab File: VU037586.D
 Acq: 06 Apr 2020 13:37

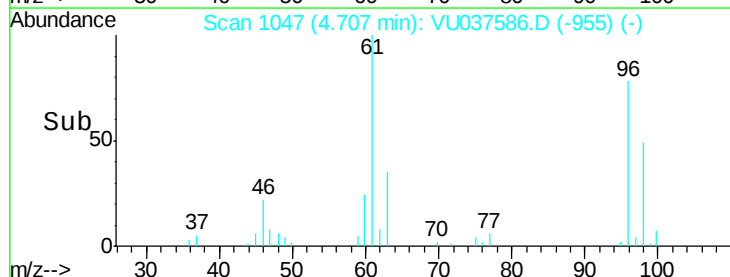
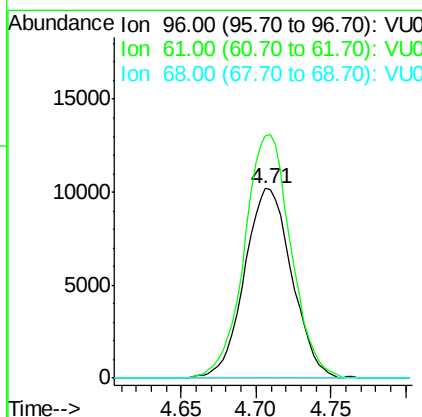
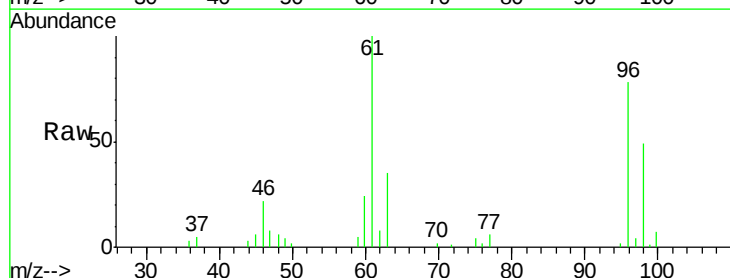
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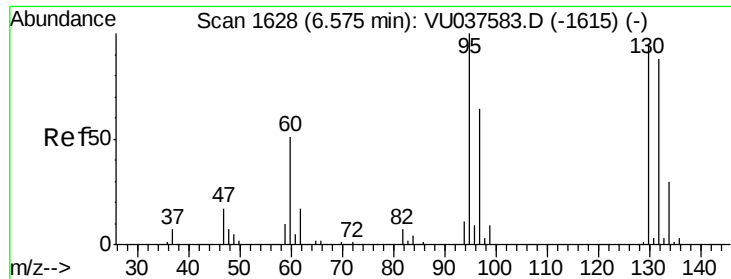
Tot Ion: 63 Resp: 2928
 Ion Ratio Lower Upper
 63 100
 65 29.8 23.2 43.2
 83 10.9 9.6 17.8



#20
 cis-1,2-Dichloroethene
 Concen: 19.826 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VU037586.D
 Acq: 06 Apr 2020 13:37

Tgt Ion: 96 Resp: 22446
 Ion Ratio Lower Upper
 96 100
 61 127.9 90.2 167.6
 68 0.0 0.0 0.0

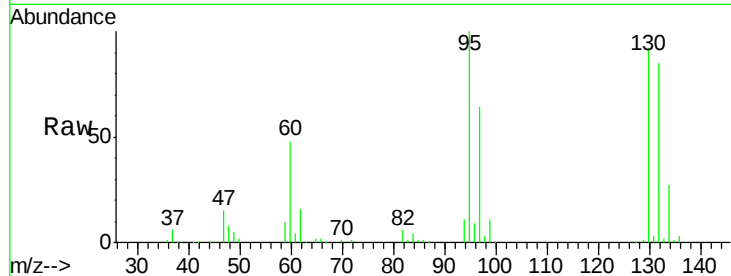




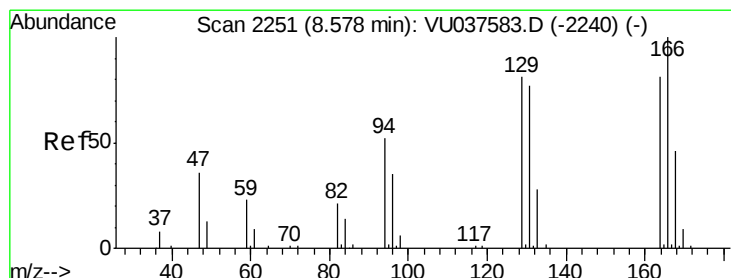
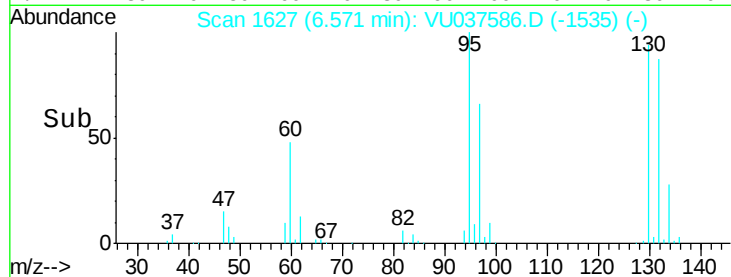
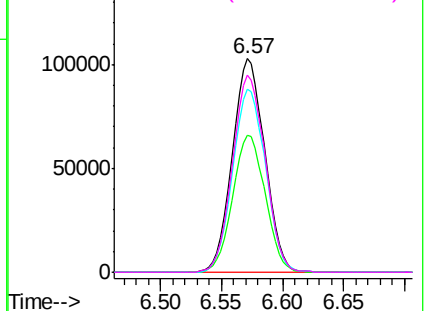
#34
 Trichloroethene
 Concen: 176.493 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU037586.D
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Instrument :
 MSVOA_U
 ClientSampleId :
 C0EZ5

Tot Ion: 95 Resp: 189739
 Ion Ratio Lower Upper
 95 100
 97 64.3 45.2 84.0
 132 85.4 63.7 118.3
 130 92.1 64.5 119.7

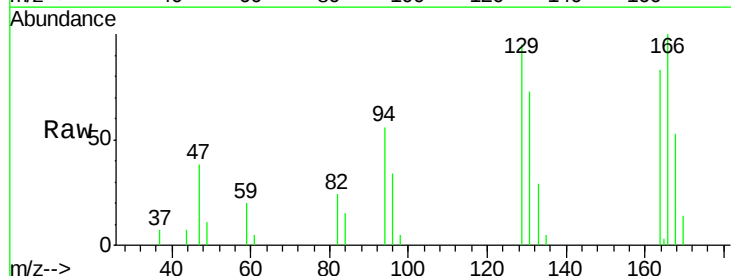


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V



#46
 Tetrachloroethene
 Concen: 6.769 ug/L
 RT: 8.57 min Scan# 2249
 Delta R.T. -0.01 min
 Lab File: VU037586.D
 Acq: 06 Apr 2020 13:37

Tgt Ion: 164 Resp: 4886
 Ion Ratio Lower Upper
 164 100
 129 109.9 76.5 142.1
 131 85.1 71.7 133.1
 166 116.2 88.8 165.0



Abundance Ion 164.00 (163.70 to 164.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V
 Ion 166.00 (165.70 to 166.70): V

