

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121019\
 Data File : VU036082.D
 Acq On : 10 Dec 2019 14:15
 Operator : JC/MD
 Sample : K6168-06DL 40X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFE40DL

Quant Time: Dec 12 02:33:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Dec 11 17:05:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	303334	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	339936	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	88720	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	135120	5.00	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.00%
7) Chloroethane-d5	1.93	69	127016	4.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.40%
11) 1,1-Dichloroethene-d2	2.59	63	156580	3.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.40%
20) 2-Butanone-d5	4.69	46	241252	52.37	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	104.74%
24) Chloroform-d	5.11	84	206050	4.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.80%
26) 1,2-Dichloroethane-d4	5.75	65	115792	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.00%
32) Benzene-d6	5.77	84	422000	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
36) 1,2-Dichloropropane-d6	6.73	67	134751	5.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.80%
41) Toluene-d8	7.93	98	347541	4.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.60%
43) trans-1,3-Dichloropropene-	8.21	79	49935	4.62	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.40%
46) 2-Hexanone-d5	8.70	63	216934	55.44	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.88%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	118648	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	93612	5.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.60%

Target Compounds

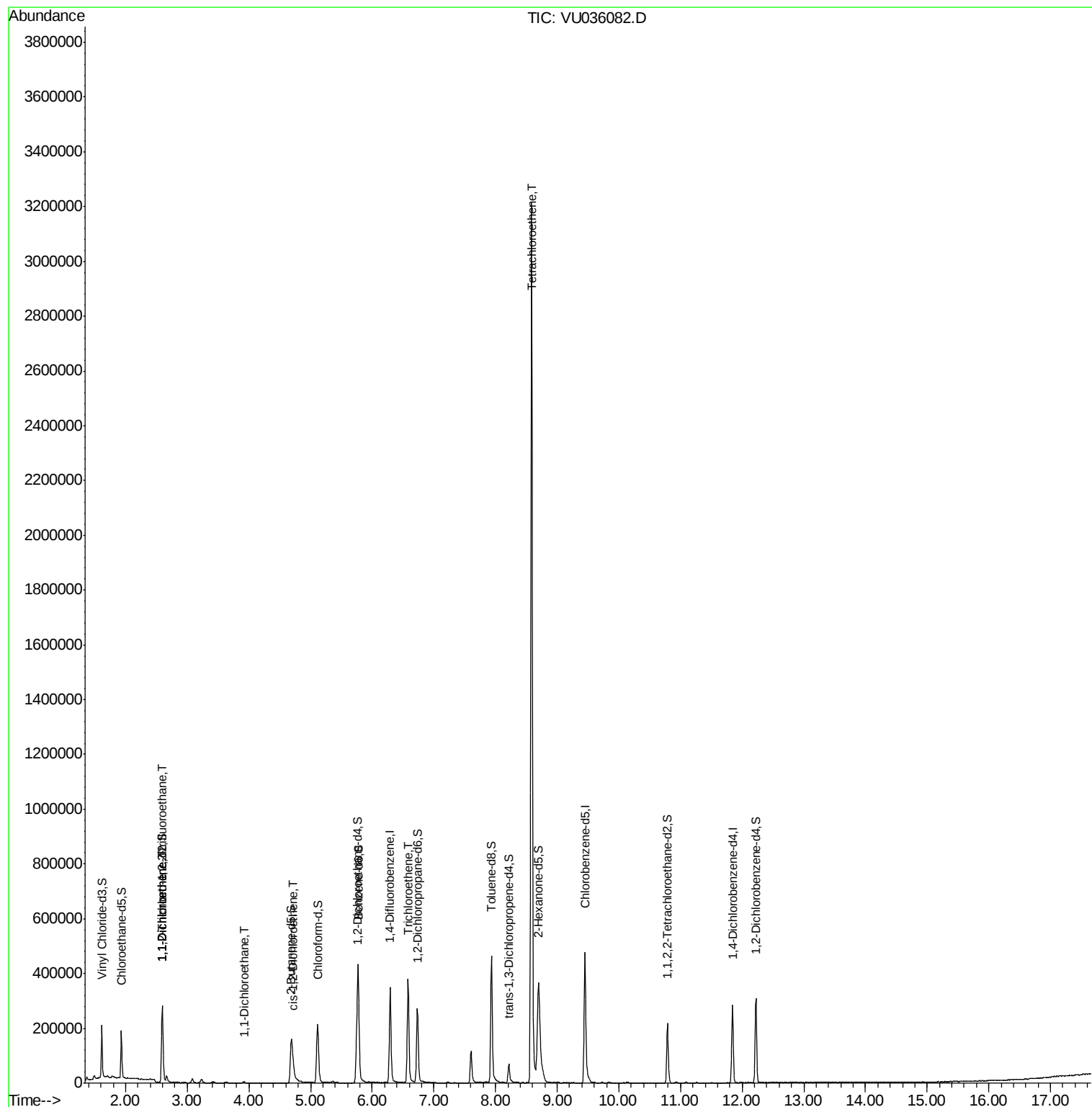
					Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	7491	0.255 ug/L #	83
12) 1,1-Dichloroethene	2.61	96	12031	0.456 ug/L #	1
19) 1,1-Dichloroethane	3.92	63	5004	0.124 ug/L	94
22) cis-1,2-Dichloroethene	4.72	96	20447	0.865 ug/L	89
34) Trichloroethene	6.58	95	132644	5.377 ug/L	99
47) Tetrachloroethene	8.58	164	812524	34.645 ug/L	97

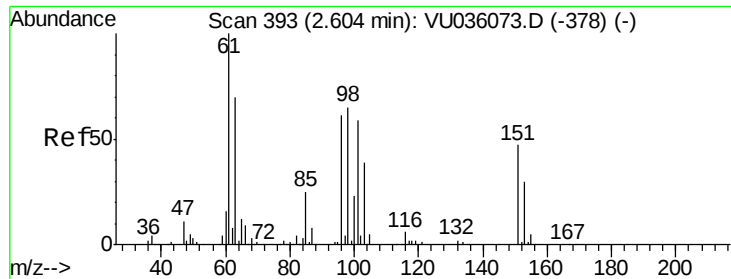
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.255 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036082.D

Acq: 10 Dec 2019 14:15

Instrument :

MSVOA_U

ClientSampleId :

BFE40DL

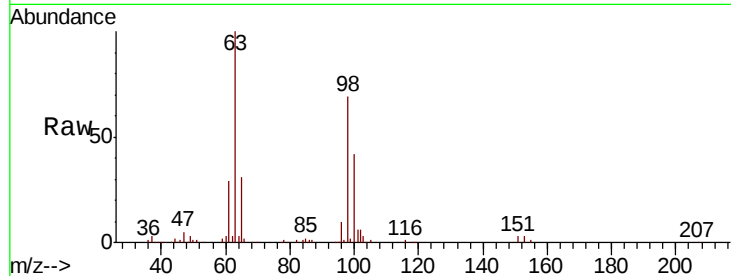
Tot Ion:101 Resp: 7491

Ion Ratio Lower Upper

101 100

85 32.9 33.1 49.7#

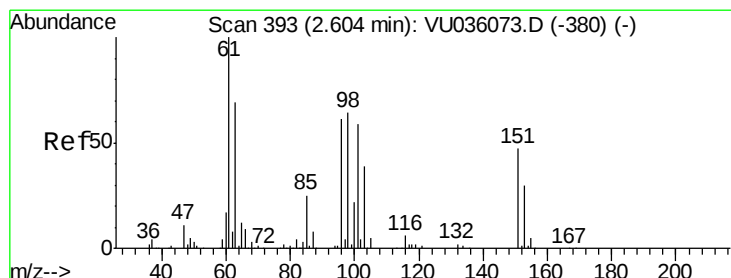
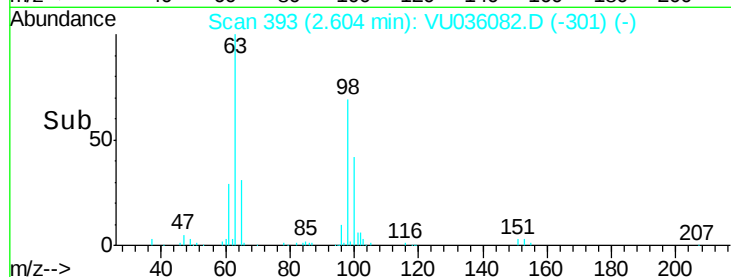
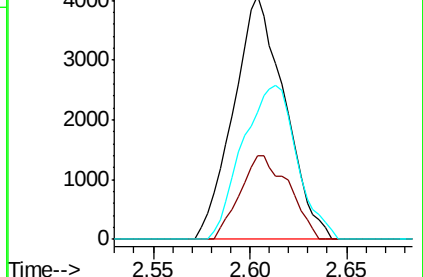
151 66.9 66.5 99.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.456 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036082.D

Acq: 10 Dec 2019 14:15

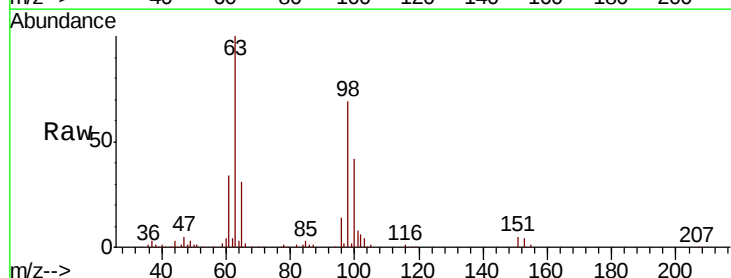
Tgt Ion: 96 Resp: 12031

Ion Ratio Lower Upper

96 100

61 250.1 104.3 193.7#

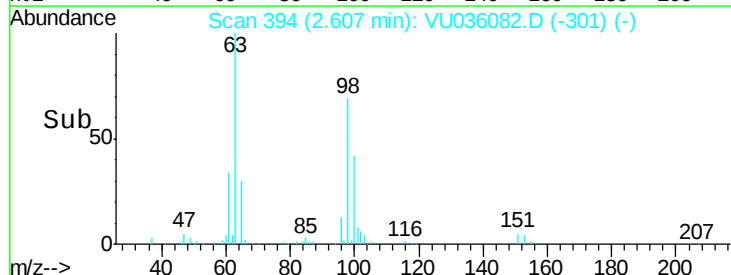
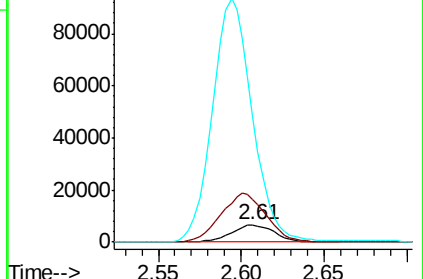
63 730.2 65.6 121.8#

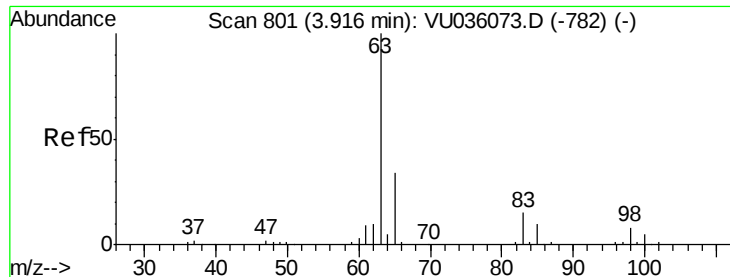


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#19

1,1-Dichloroethane

Concen: 0.124 ug/L

RT: 3.92 min Scan# 803

Delta R.T. 0.00 min

Lab File: VU036082.D

Acq: 10 Dec 2019 14:15

Instrument :

MSVOA_U

ClientSampled :

BFE40DL

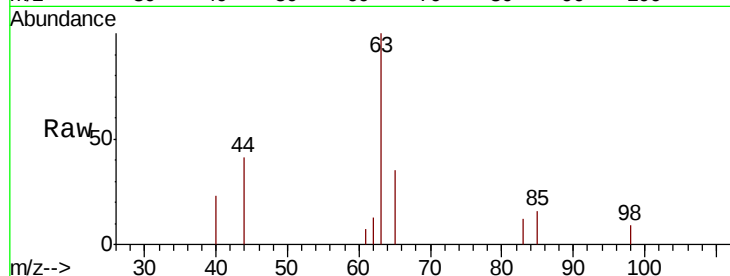
Tot Ion: 63 Resp: 5004

Ion Ratio Lower Upper

63 100

65 34.7 21.8 40.4

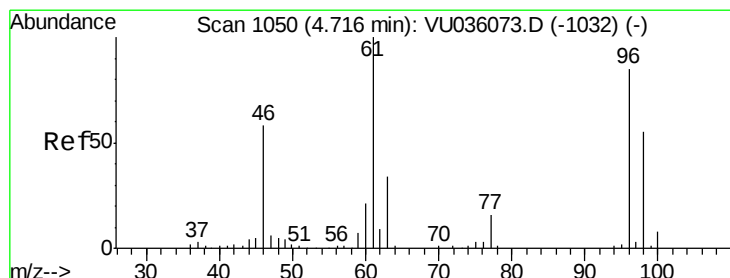
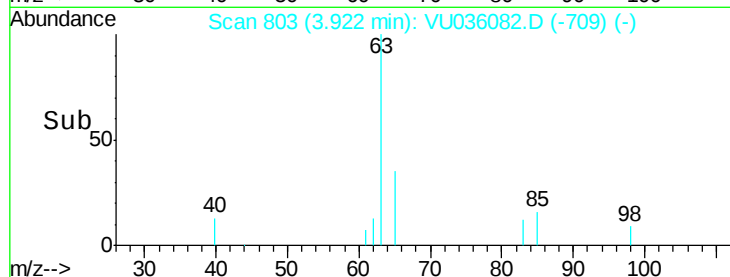
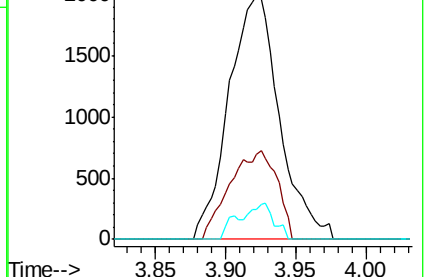
83 12.4 10.1 18.9



Abundance Ion 63.10 (62.80 to 63.80): VU036082.D (-709) (-)

Ion 65.10 (64.80 to 65.80): VU036082.D (-709) (-)

Ion 83.05 (82.75 to 83.75): VU036082.D (-709) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.865 ug/L

RT: 4.72 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VU036082.D

Acq: 10 Dec 2019 14:15

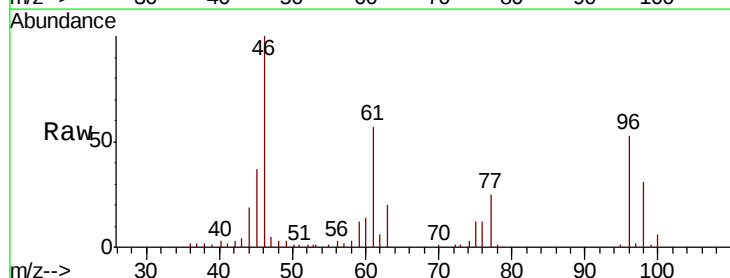
Tgt Ion: 96 Resp: 20447

Ion Ratio Lower Upper

96 100

61 106.6 83.0 154.2

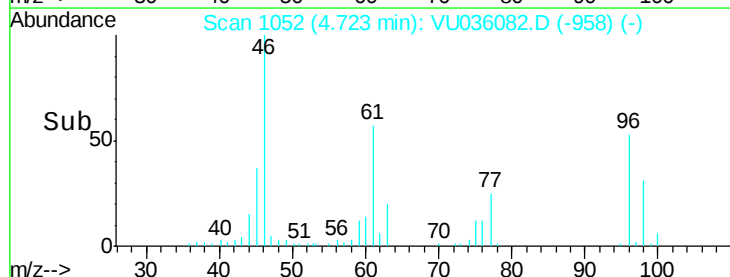
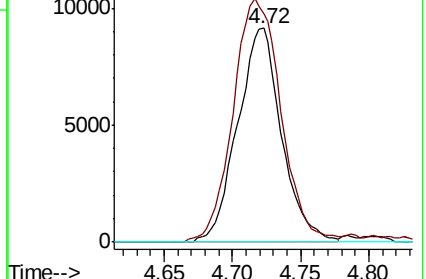
68 0.0 0.0 0.0

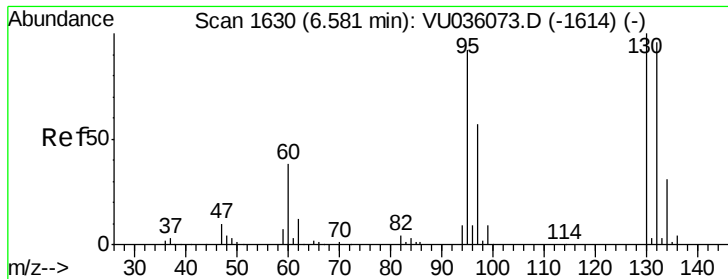


Abundance Ion 96.00 (95.70 to 96.70): VU036082.D (-958) (-)

Ion 61.05 (60.75 to 61.75): VU036082.D (-958) (-)

Ion 68.15 (67.85 to 68.85): VU036082.D (-958) (-)





#34

Trichloroethene

Concen: 5.377 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU036082.D

Acq: 10 Dec 2019 14:15

Instrument :

MSVOA_U

ClientSampled :

BFE40DL

Tot Ion: 95 Resp: 132644

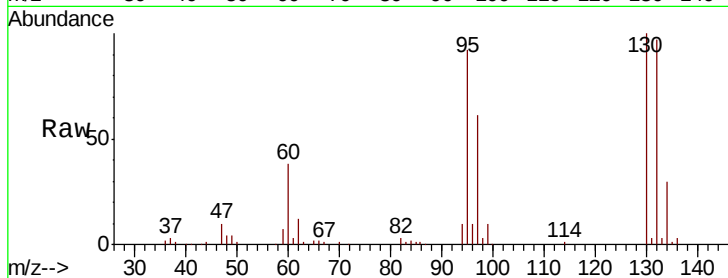
Ion Ratio Lower Upper

95 100

97 66.2 44.4 82.4

132 104.9 73.4 136.4

130 108.2 75.9 141.1

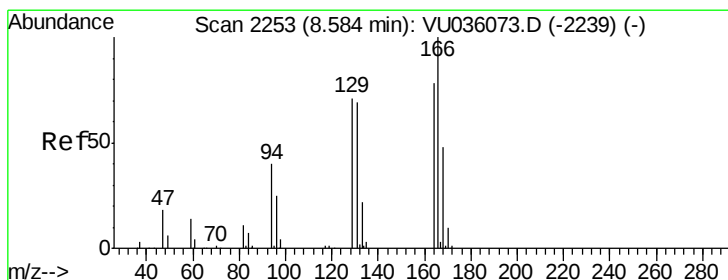
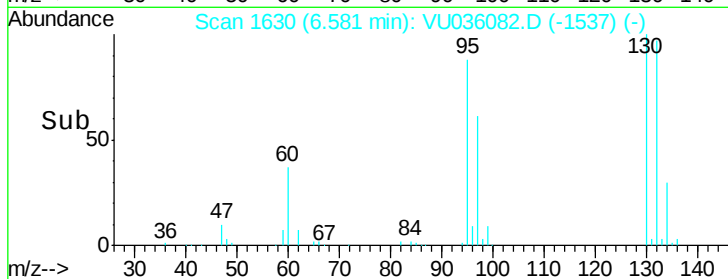
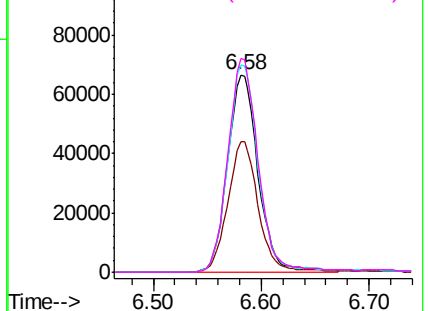


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#47

Tetrachloroethene

Concen: 34.645 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU036082.D

Acq: 10 Dec 2019 14:15

Tgt Ion:164 Resp: 812524

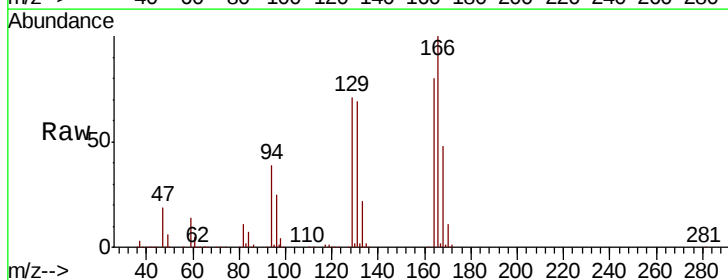
Ion Ratio Lower Upper

164 100

129 88.3 63.1 117.3

131 85.9 61.5 114.1

166 124.5 91.0 169.0



Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

