

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U121119\
 Data File : VU036135.D
 Acq On : 11 Dec 2019 16:00
 Operator : JC/MD
 Sample : K6168-13DL 10X
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BFE46DL

Quant Time: Dec 12 07:50:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR120919WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Dec 12 06:08:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	304529	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	339215	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	105934	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	131649	4.85	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	97.00%
7) Chloroethane-d5	1.93	69	126288	4.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.60%
11) 1,1-Dichloroethene-d2	2.59	63	172099	3.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.40%
20) 2-Butanone-d5	4.69	46	266984	57.72	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	115.44%
24) Chloroform-d	5.11	84	209700	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.20%
26) 1,2-Dichloroethane-d4	5.75	65	111592	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
32) Benzene-d6	5.77	84	394060	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
36) 1,2-Dichloropropane-d6	6.73	67	132823	5.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.60%
41) Toluene-d8	7.93	98	319890	4.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.80%
43) trans-1,3-Dichloropropene-	8.21	79	48559	4.50	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.00%
46) 2-Hexanone-d5	8.68	63	208467	53.39	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.78%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	116005	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.40%
64) 1,2-Dichlorobenzene-d4	12.22	152	103497	5.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.60%

Target Compounds

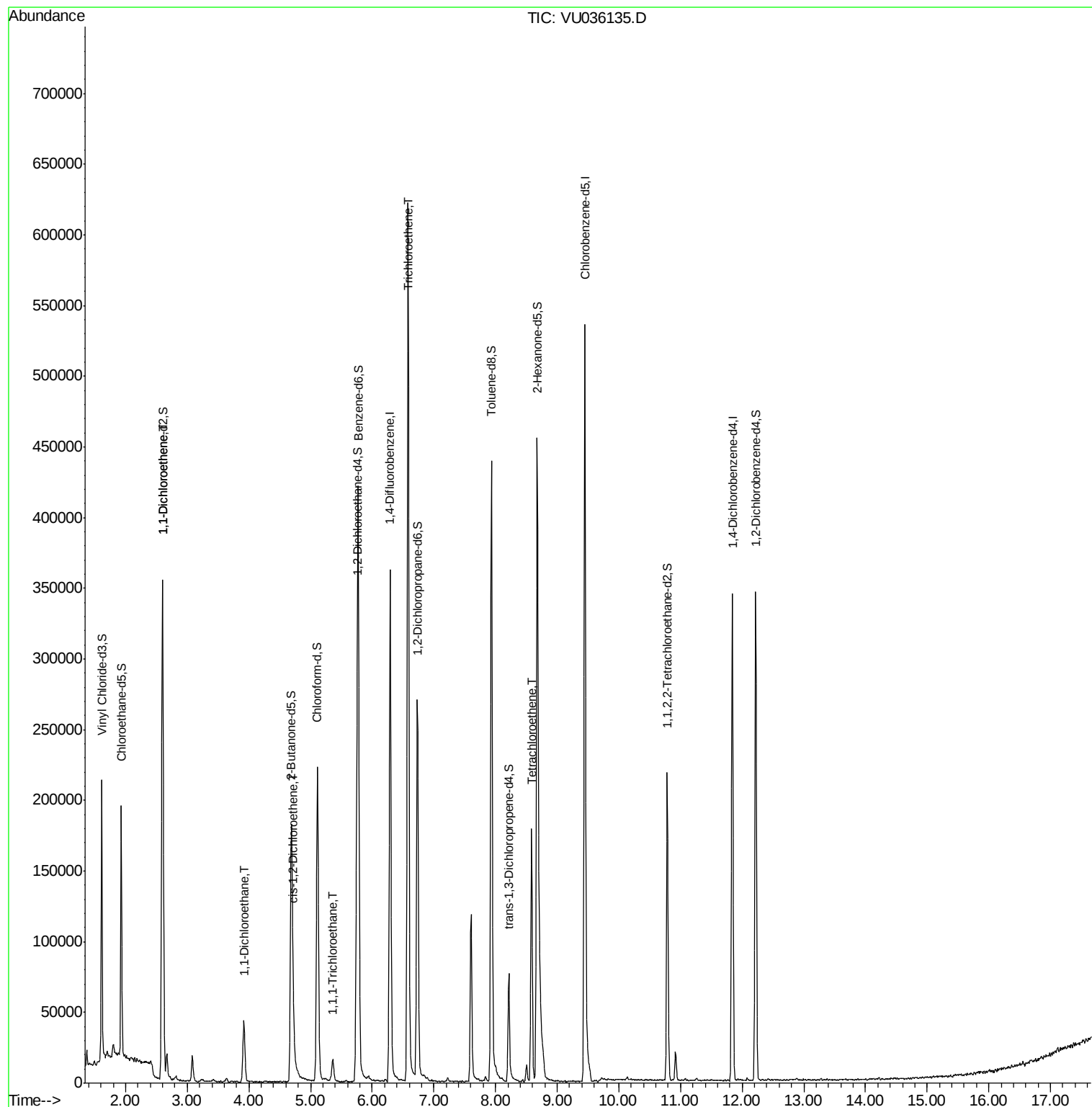
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.61	96	72568	2.739	ug/L	# 81
19) 1,1-Dichloroethane	3.92	63	49447	1.218	ug/L	97
22) cis-1,2-Dichloroethene	4.72	96	16983	0.716	ug/L	96
29) 1,1,1-Trichloroethane	5.36	97	11070	0.290	ug/L	96
34) Trichloroethene	6.58	95	212747	8.643	ug/L	99
47) Tetrachloroethene	8.58	164	43342	1.852	ug/L	96

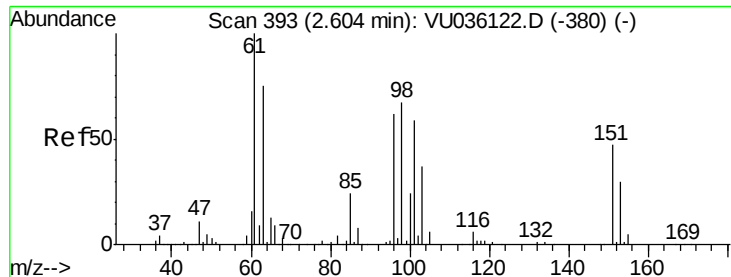
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Dec 12 06:08:55 2019
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#12

1,1-Dichloroethene

Concen: 2.739 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU036135.D

Acq: 11 Dec 2019 16:00

Instrument :

MSVOA_U

ClientSampleId :

BFE46DL

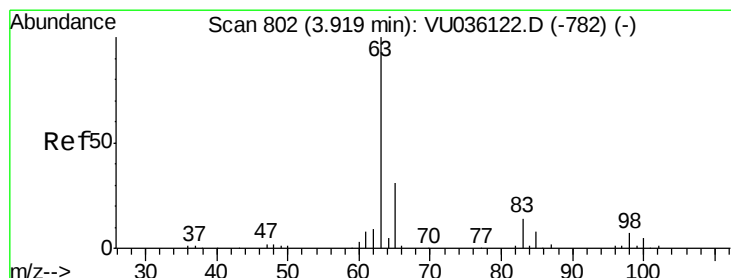
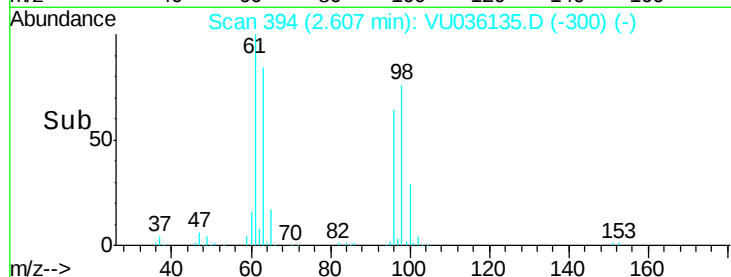
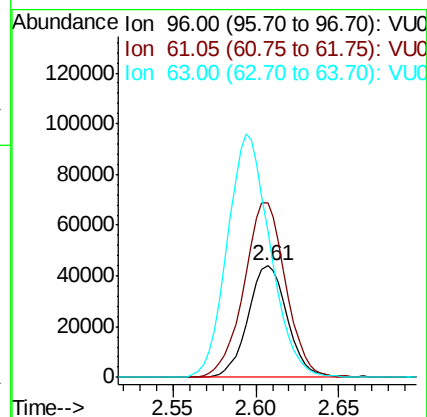
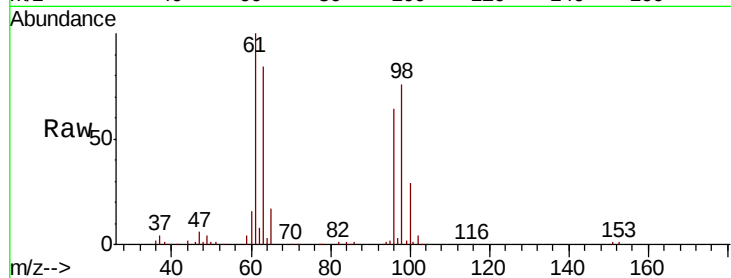
Tot Ion: 96 Resp: 72568

Ion Ratio Lower Upper

96 100

61 156.2 104.3 193.7

63 131.3 65.6 121.8#



#19

1,1-Dichloroethane

Concen: 1.218 ug/L

RT: 3.92 min Scan# 802

Delta R.T. -0.00 min

Lab File: VU036135.D

Acq: 11 Dec 2019 16:00

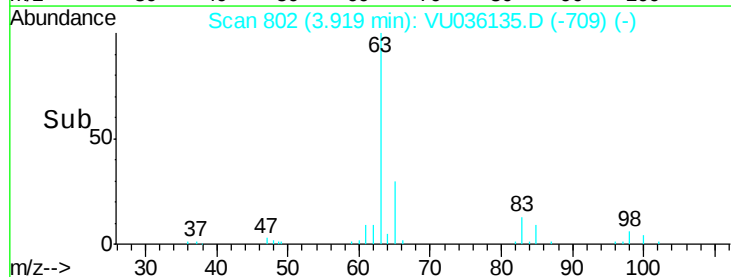
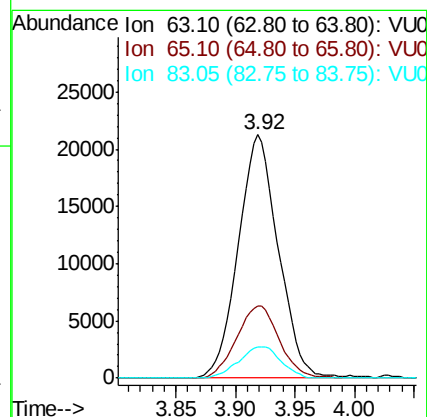
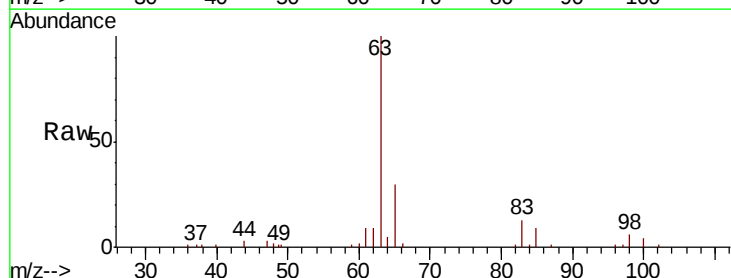
Tgt Ion: 63 Resp: 49447

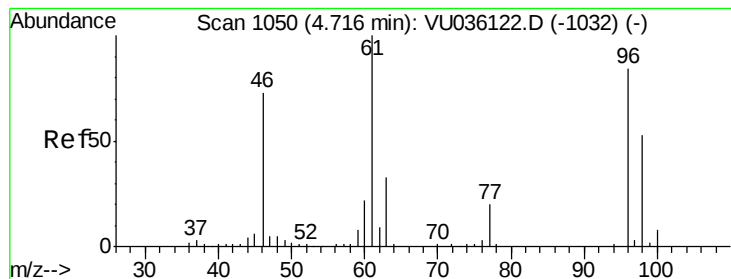
Ion Ratio Lower Upper

63 100

65 29.5 21.8 40.4

83 13.0 10.1 18.9





#22

cis-1,2-Dichloroethene

Concen: 0.716 ug/L

RT: 4.72 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VU036135.D

Acq: 11 Dec 2019 16:00

Instrument :

MSVOA_U

ClientSampleId :

BFE46DL

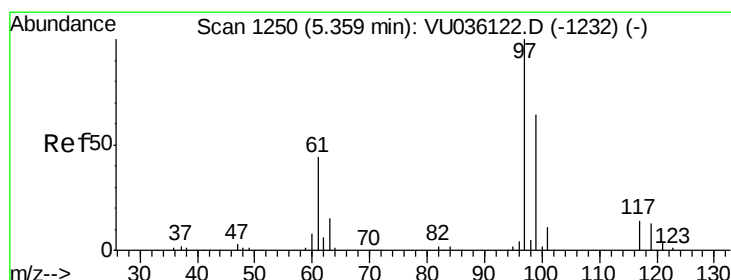
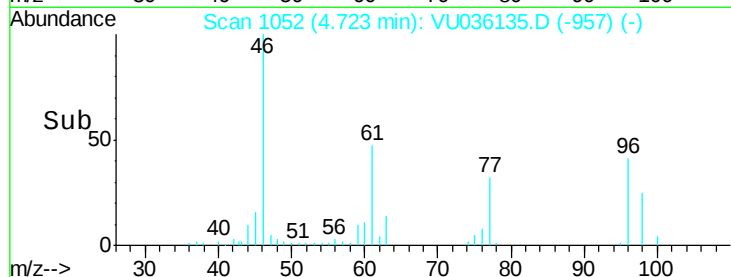
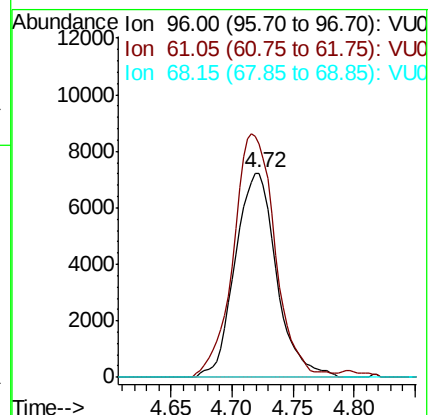
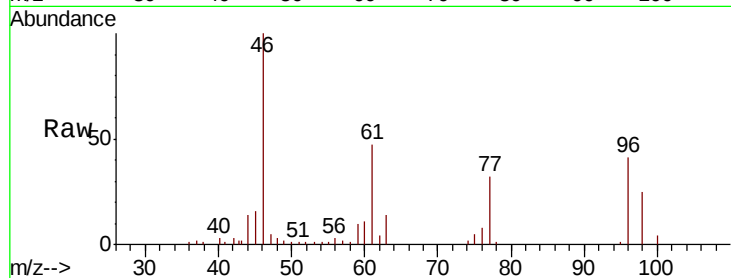
Tot Ion: 96 Resp: 16983

Ion Ratio Lower Upper

96 100

61 114.2 83.0 154.2

68 0.0 0.0 0.0



#29

1,1,1-Trichloroethane

Concen: 0.290 ug/L

RT: 5.36 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VU036135.D

Acq: 11 Dec 2019 16:00

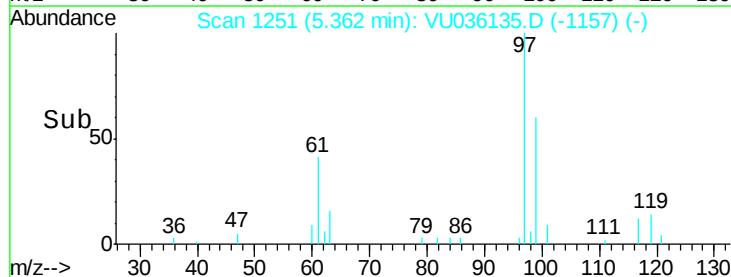
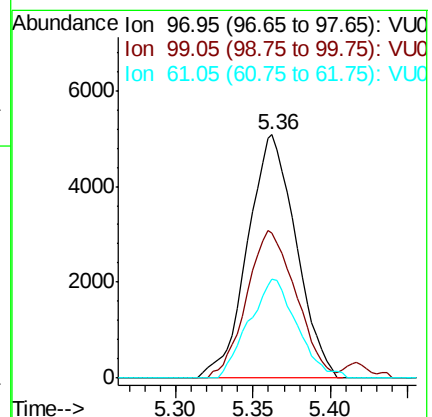
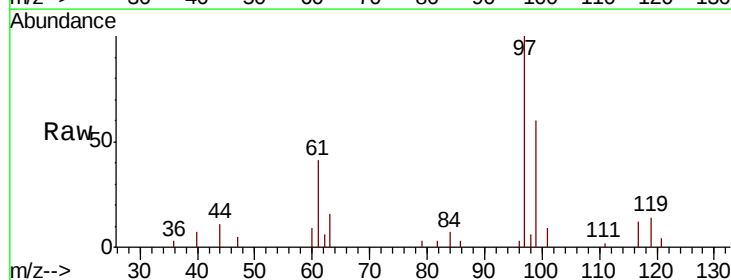
Tgt Ion: 97 Resp: 11070

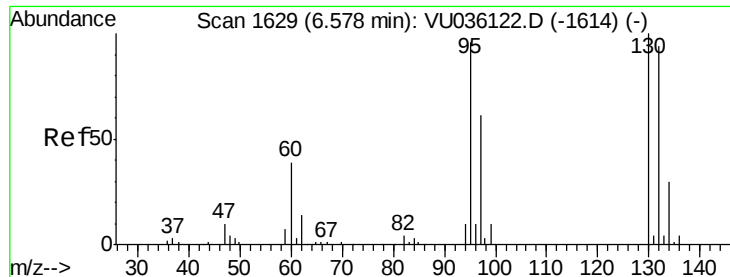
Ion Ratio Lower Upper

97 100

99 61.9 52.2 78.2

61 40.3 34.7 52.1





#34

Trichloroethene

Concen: 8.643 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU036135.D

Acq: 11 Dec 2019 16:00

Instrument :

MSVOA_U

ClientSampleId :

BFE46DL

Tot Ion: 95 Resp: 212747

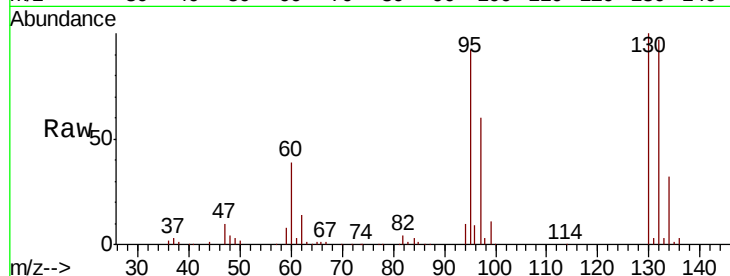
Ion Ratio Lower Upper

95 100

97 66.0 44.4 82.4

132 105.6 73.4 136.4

130 109.3 75.9 141.1

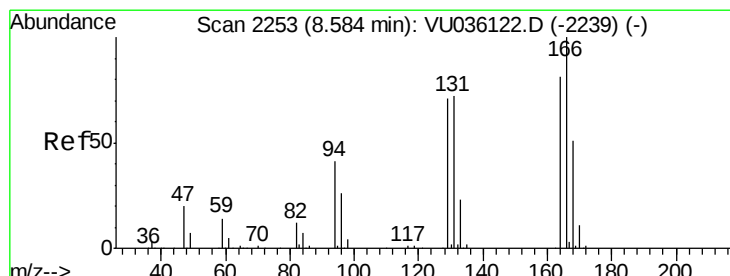
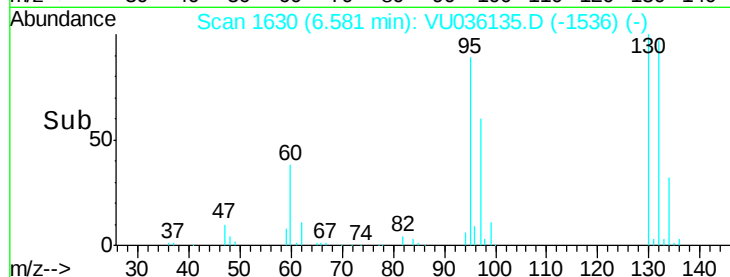
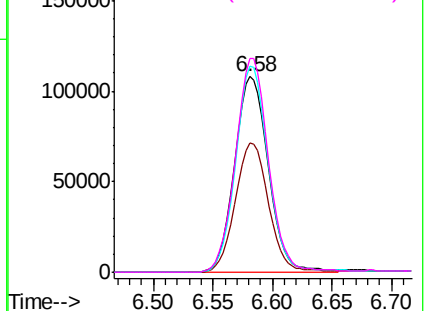


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 1.852 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VU036135.D

Acq: 11 Dec 2019 16:00

Tgt Ion:164 Resp: 43342

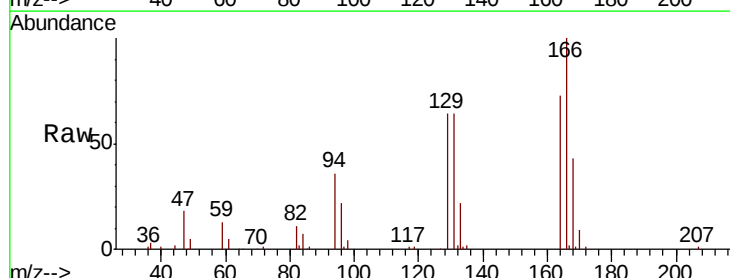
Ion Ratio Lower Upper

164 100

129 87.4 63.1 117.3

131 87.1 61.5 114.1

166 137.1 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

