

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU071618\
 Data File : VU025446.D
 Acq On : 17 Jul 2018 00:13
 Operator : MD/SY
 Sample : J3984-12
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DB188

Quant Time: Jul 17 04:37:51 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM071618WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jul 17 02:54:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	317510	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	285628	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	126371	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	82208	48.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.30%
7) Chloroethane-d5	1.68	69	65926	47.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.06%
11) 1,1-Dichloroethene-d2	2.27	63	128014	34.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.40%
21) 2-Butanone-d5	4.18	46	158364	91.80	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.80%
24) Chloroform-d	4.65	84	181338	44.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.54%
26) 1,2-Dichloroethane-d4	5.31	65	124496	45.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.08%
32) Benzene-d6	5.35	84	345901	48.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.40%
36) 1,2-Dichloropropane-d6	6.34	67	115799	49.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.76%
41) Toluene-d8	7.57	98	331212	46.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.94%
43) trans-1,3-Dichloropropene-	7.85	79	43702	37.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.22%
47) 2-Hexanone-d5	8.31	63	113792	91.90	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.90%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	161405	45.29	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.58%
64) 1,2-Dichlorobenzene-d4	11.86	152	127788	48.40	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.80%

Target Compounds

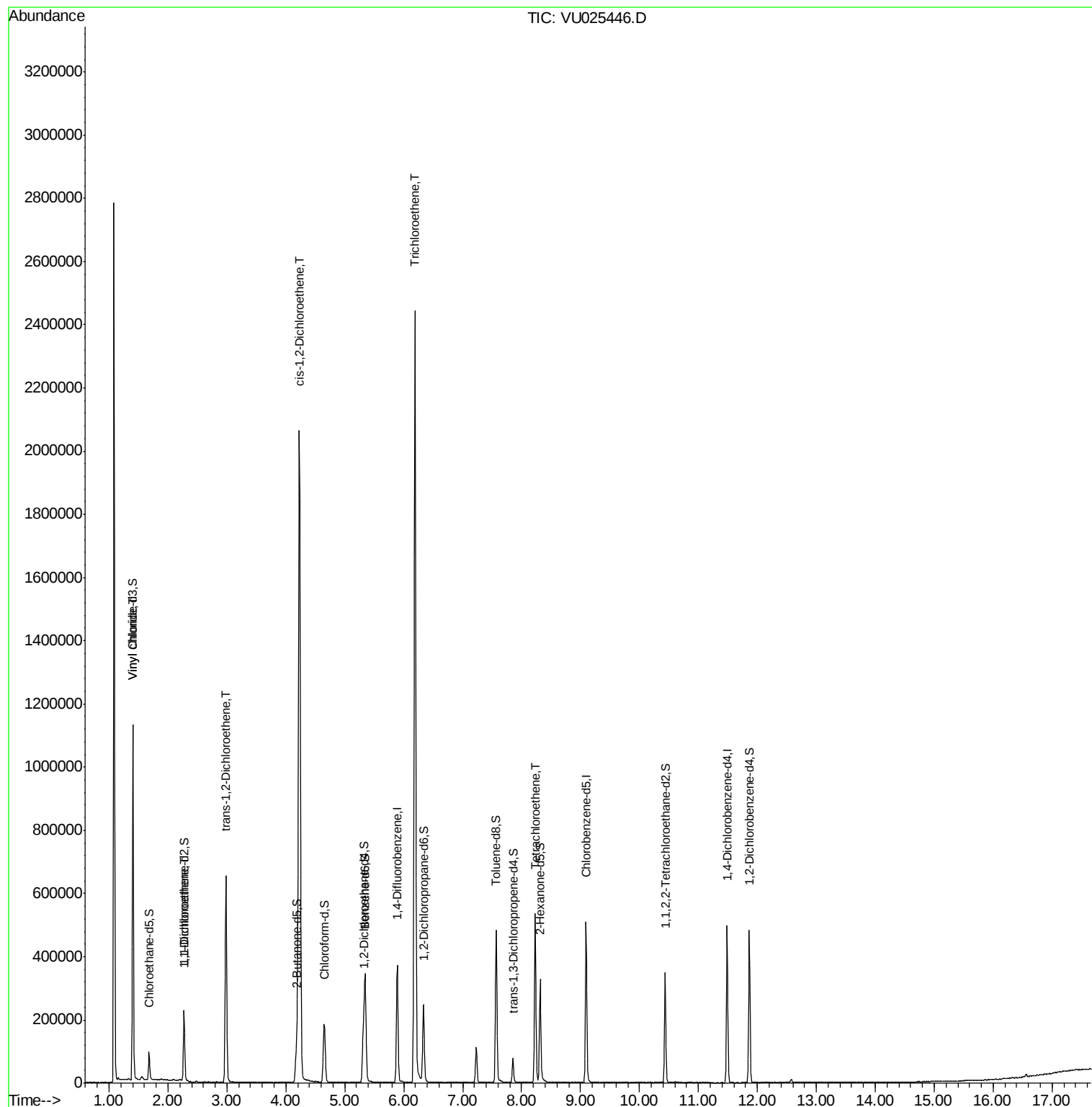
						Ovalue
5) Vinyl chloride	1.40	62	662713	273.36	ug/L	100
12) 1,1-Dichloroethene	2.28	96	9306	4.99	ug/L	# 1
17) trans-1,2-Dichloroethene	2.98	96	252816	121.77	ug/L	97
20) cis-1,2-Dichloroethene	4.23	96	1153096	473.29	ug/L	99
34) Trichloroethene	6.19	95	838881	377.05	ug/L	99
46) Tetrachloroethene	8.23	164	121891	66.11	ug/L	100

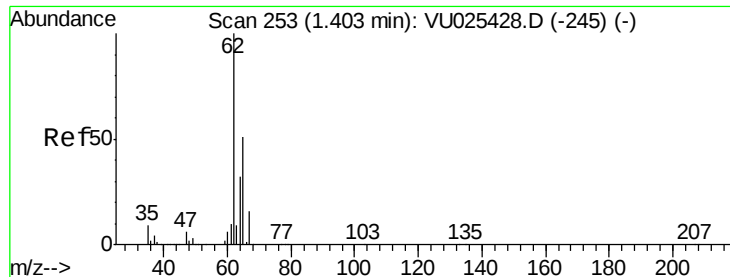
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 273.36 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU025446.D

Acq: 17 Jul 2018 00:13

Instrument :

MSVOA_U

ClientSampleId :

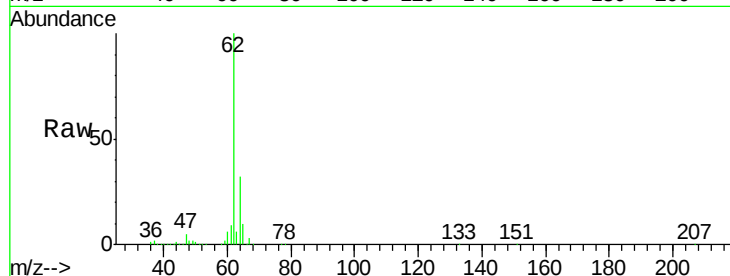
DB188

Tot Ion: 62 Resp: 662713

Ion Ratio Lower Upper

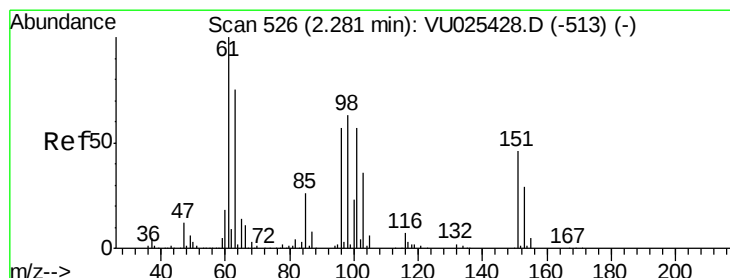
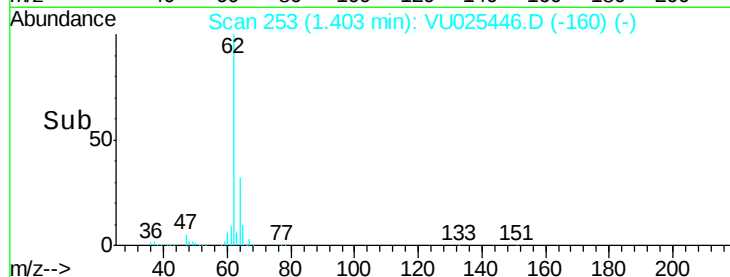
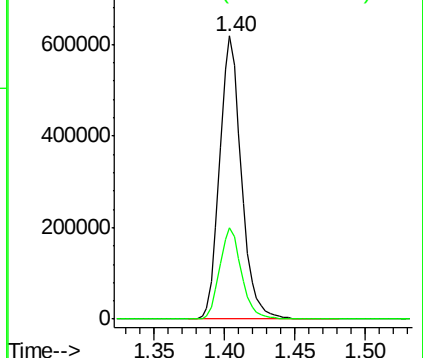
62 100

64 32.2 22.6 42.0



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#12

1,1-Dichloroethene

Concen: 4.99 ug/L

RT: 2.28 min Scan# 527

Delta R.T. 0.00 min

Lab File: VU025446.D

Acq: 17 Jul 2018 00:13

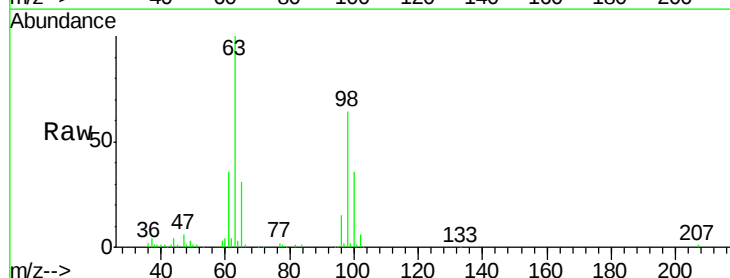
Tgt Ion: 96 Resp: 9306

Ion Ratio Lower Upper

96 100

61 245.0 125.9 233.9#

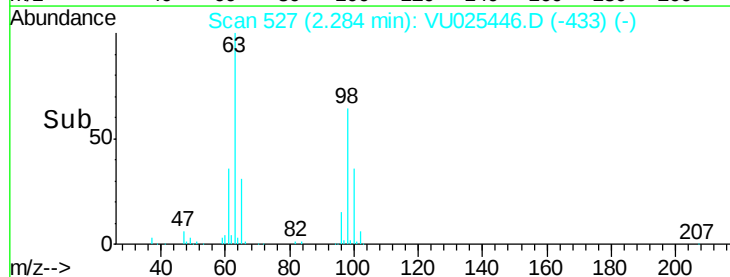
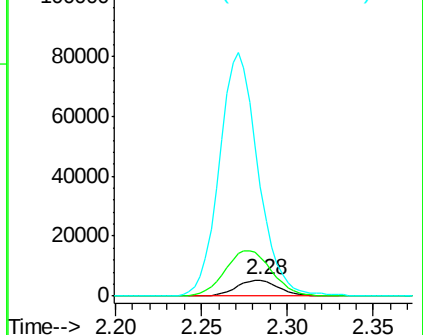
63 686.5 90.4 167.8#

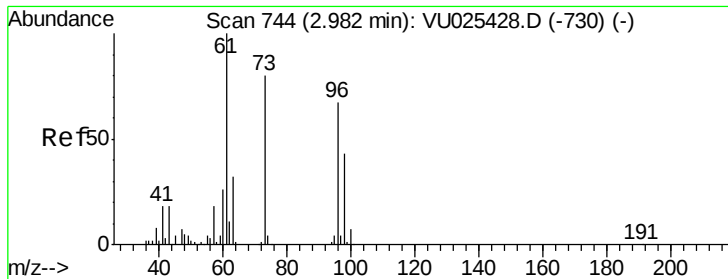


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 121.77 ug/L

RT: 2.98 min Scan# 744

Delta R.T. -0.00 min

Lab File: VU025446.D

Acq: 17 Jul 2018 00:13

Instrument :

MSVOA_U

ClientSampleId :

DB188

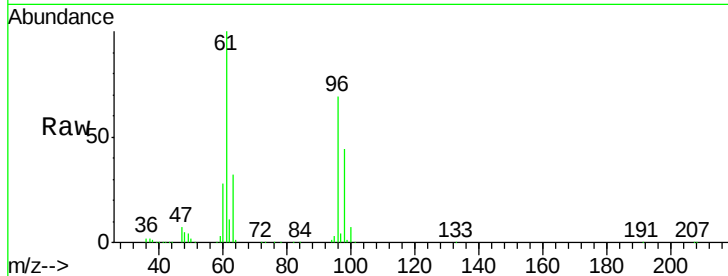
Tot Ion: 96 Resp: 252816

Ion Ratio Lower Upper

96 100

61 145.7 98.2 182.4

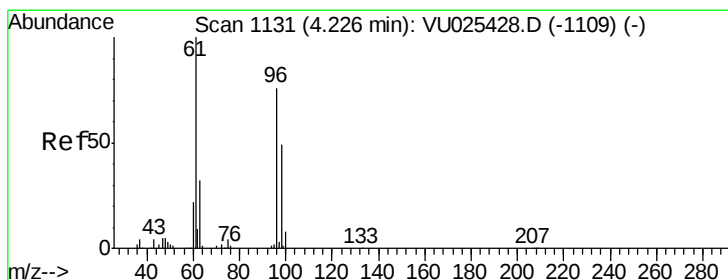
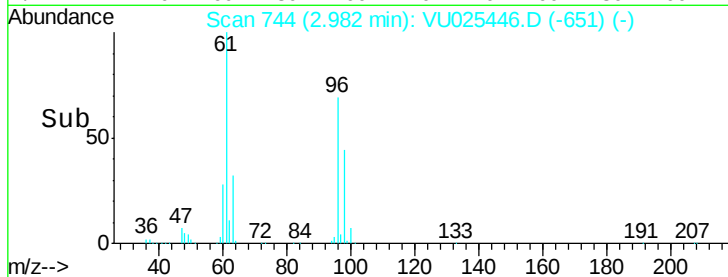
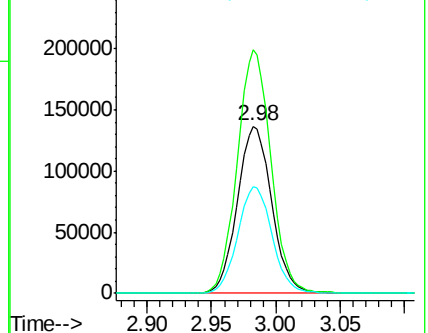
98 63.8 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0



#20

cis-1,2-Dichloroethene

Concen: 473.29 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU025446.D

Acq: 17 Jul 2018 00:13

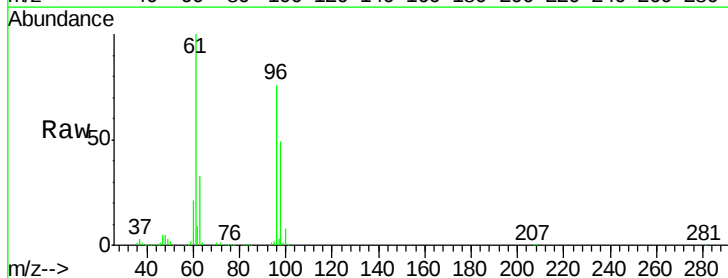
Tgt Ion: 96 Resp: 1153096

Ion Ratio Lower Upper

96 100

61 130.8 92.0 170.9

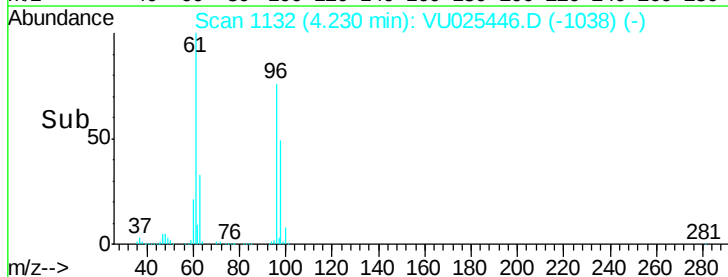
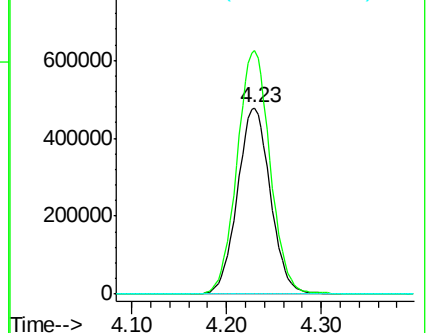
68 0.0 0.0 0.0

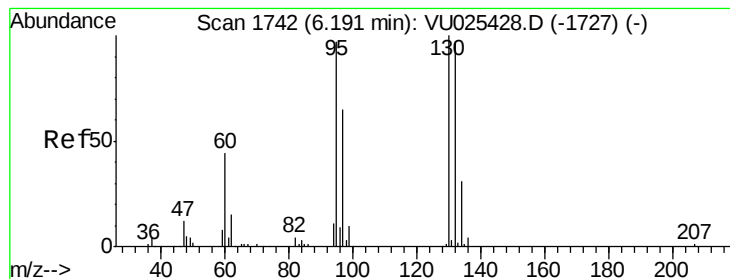


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 68.00 (67.70 to 68.70): VU0





#34

Trichloroethene

Concen: 377.05 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU025446.D

Acq: 17 Jul 2018 00:13

Instrument :

MSVOA_U

ClientSampleId :

DB188

Tot Ion: 95 Resp: 838881

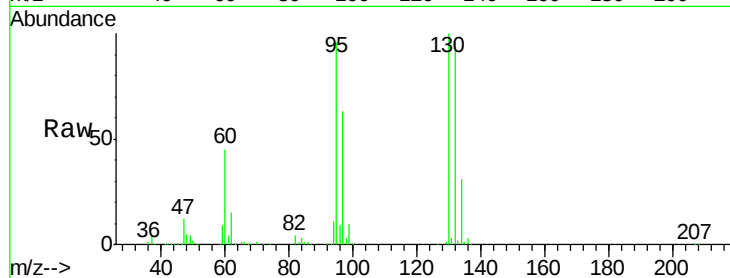
Ion Ratio Lower Upper

95 100

97 66.1 44.3 82.3

132 100.1 69.6 129.2

130 104.1 72.4 134.5

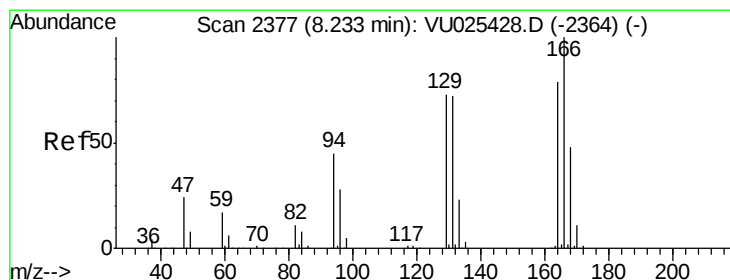
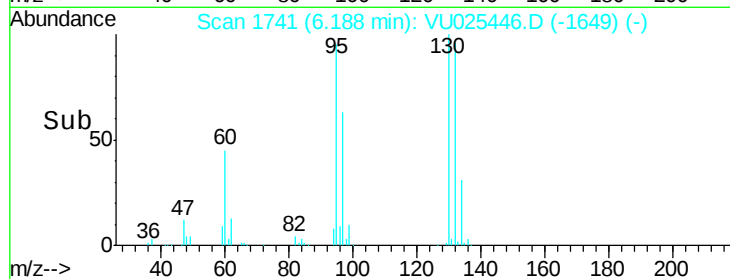
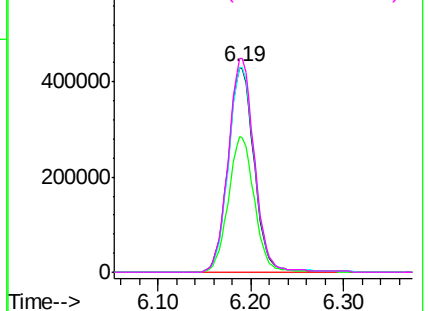


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 66.11 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU025446.D

Acq: 17 Jul 2018 00:13

Tgt Ion:164 Resp: 121891

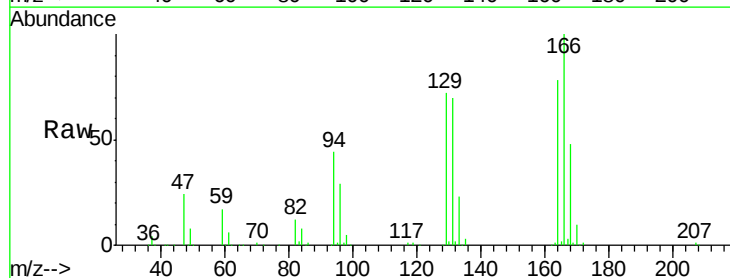
Ion Ratio Lower Upper

164 100

129 92.5 64.7 120.1

131 89.6 63.1 117.3

166 128.4 89.7 166.5



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

