

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU082219\
 Data File : VU033914.D
 Acq On : 22 Aug 2019 21:05
 Operator : JC/SP
 Sample : K4454-07DL 20X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 F2B99DL

Quant Time: Aug 23 04:29:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM082219WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 23 02:53:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	587402	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	586939	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	245704	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	189448	36.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.56%
7) Chloroethane-d5	1.67	69	167324	40.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.90%
11) 1,1-Dichloroethene-d2	2.25	63	278837	30.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	60.02%
21) 2-Butanone-d5	4.15	46	342136	98.70	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.70%
24) Chloroform-d	4.62	84	364893	43.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.02%
26) 1,2-Dichloroethane-d4	5.28	65	244853	45.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.36%
32) Benzene-d6	5.32	84	721749	43.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.58%
36) 1,2-Dichloropropane-d6	6.31	67	249971	46.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.40%
41) Toluene-d8	7.55	98	600686	39.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.74%#
43) trans-1,3-Dichloropropene-	7.83	79	99135	39.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.40%
47) 2-Hexanone-d5	8.29	63	215993	96.00	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.00%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	351829	45.67	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.34%
64) 1,2-Dichlorobenzene-d4	11.84	152	231548	46.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.36%

Target Compounds

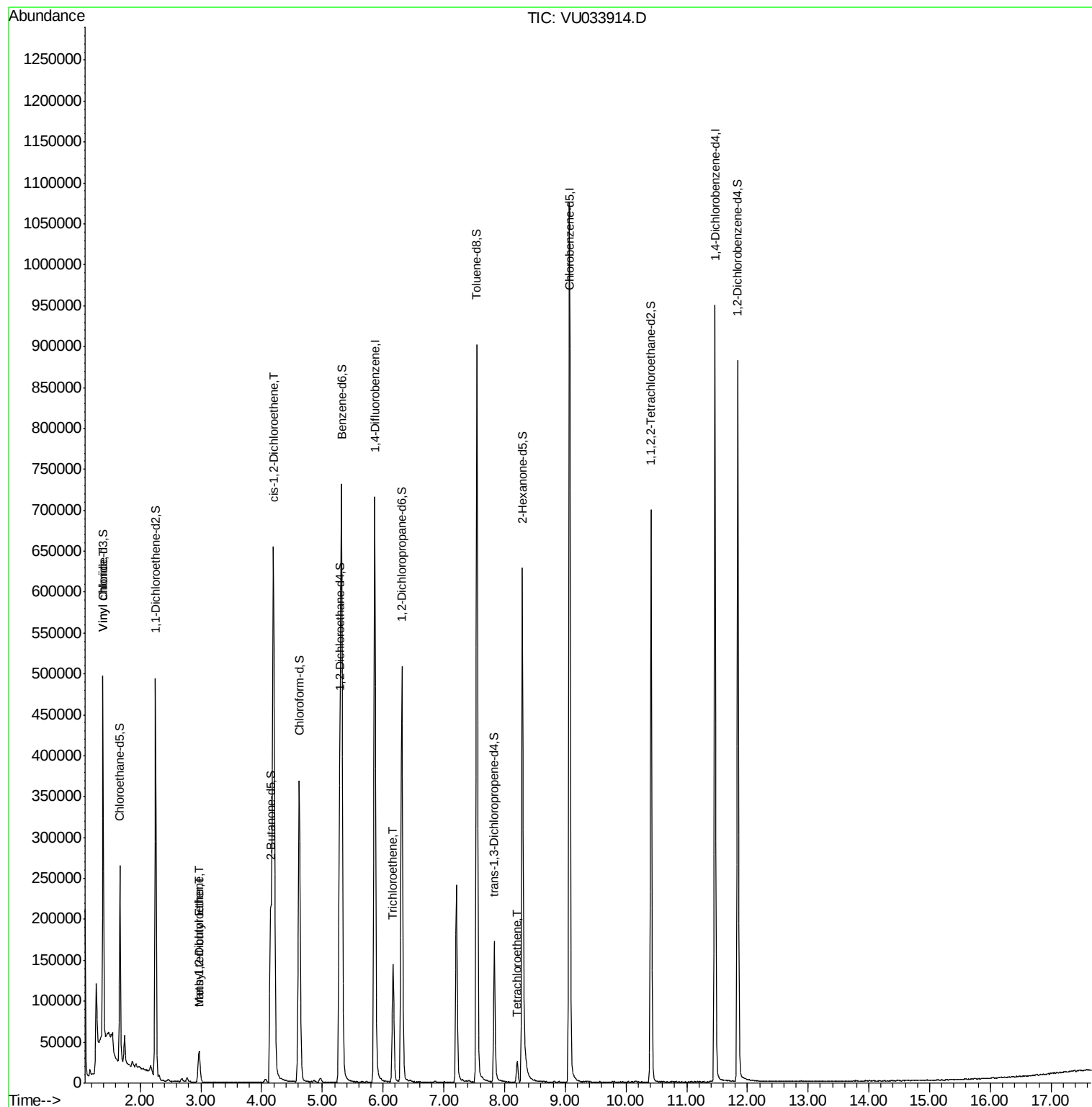
					Ovalue
5) Vinyl chloride	1.39	62	107023	17.438	ug/L # 49
17) trans-1,2-Dichloroethene	2.96	96	9442	2.219	ug/L 97
18) Methyl tert-butyl Ether	2.98	73	18631	1.446	ug/L 95
20) cis-1,2-Dichloroethene	4.20	96	354893	75.770	ug/L 98
34) Trichloroethene	6.16	95	49467	10.742	ug/L 99
46) Tetrachloroethene	8.21	164	5918	1.654	ug/L 98

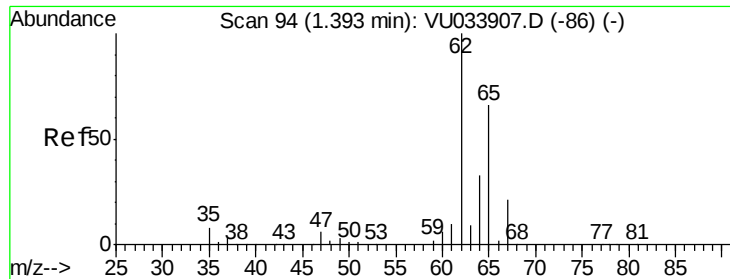
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 23 02:53:44 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 17.438 ug/L

RT: 1.39 min Scan# 94

Delta R.T. -0.00 min

Lab File: VU033914.D

Acq: 22 Aug 2019 21:05

Instrument :

MSVOA_U

ClientSampled :

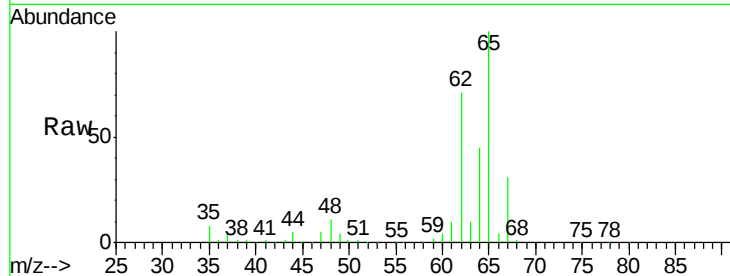
F2B99DL

Tot Ion: 62 Resp: 107023

Ion Ratio Lower Upper

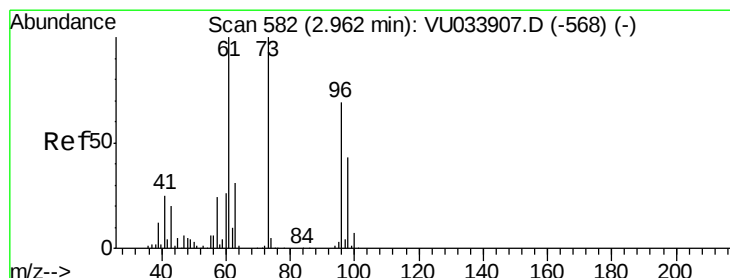
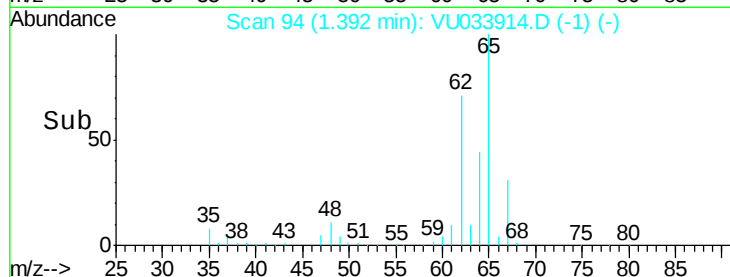
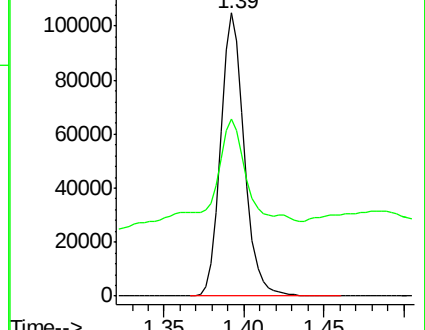
62 100

64 62.8 23.7 44.1#



Abundance Ion 62.00 (61.70 to 62.70): VU033914.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VU033914.D (-1) (-)



#17

trans-1,2-Dichloroethene

Concen: 2.219 ug/L

RT: 2.96 min Scan# 582

Delta R.T. -0.00 min

Lab File: VU033914.D

Acq: 22 Aug 2019 21:05

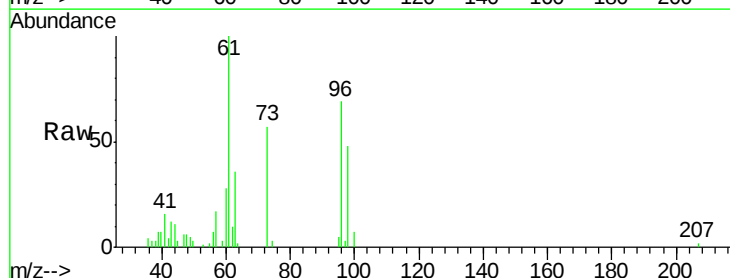
Tgt Ion: 96 Resp: 9442

Ion Ratio Lower Upper

96 100

61 145.2 101.2 187.8

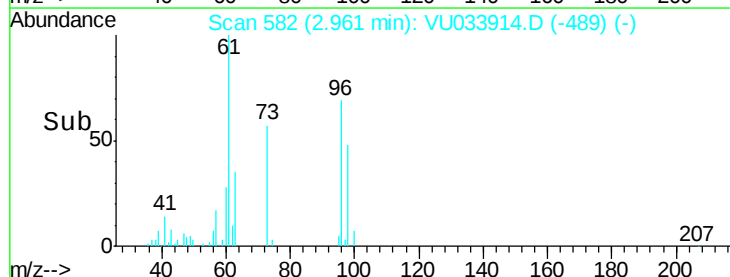
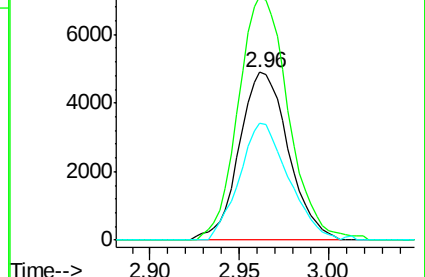
98 69.9 44.0 81.6

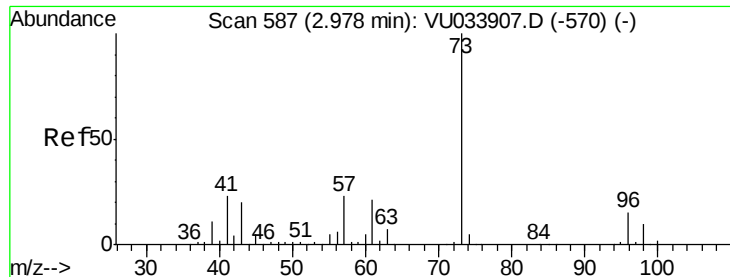


Abundance Ion 96.00 (95.70 to 96.70): VU033914.D (-489) (-)

Ion 61.00 (60.70 to 61.70): VU033914.D (-489) (-)

Ion 98.00 (97.70 to 98.70): VU033914.D (-489) (-)

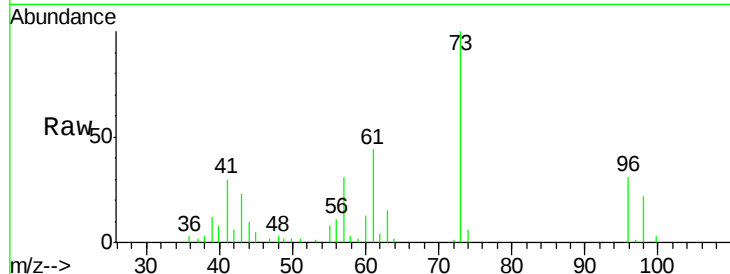




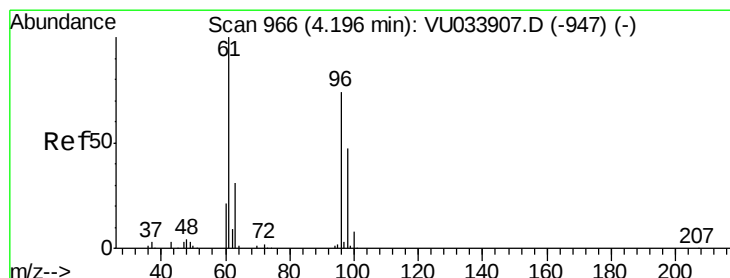
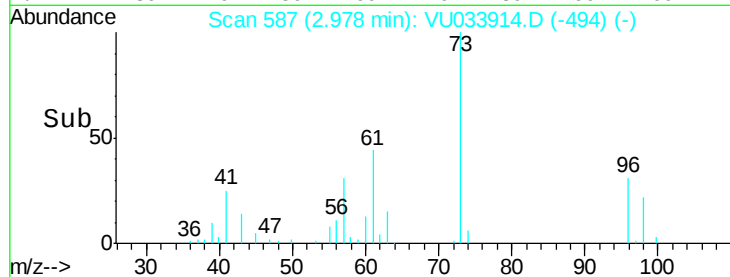
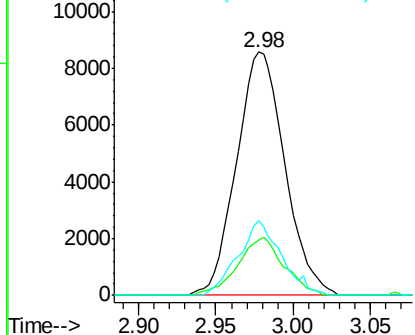
#18
Methvl tert-butvl Ether
Concen: 1.446 ug/L
RT: 2.98 min Scan# 587
Delta R.T. -0.00 min
Lab File: VU033914.D
Acq: 22 Aug 2019 21:05

Instrument :
MSVOA_U
ClientSampleId :
F2B99DL

Tot Ion: 73 Resp: 18631
Ion Ratio Lower Upper
73 100
43 22.8 16.3 24.5
57 26.0 18.8 28.2

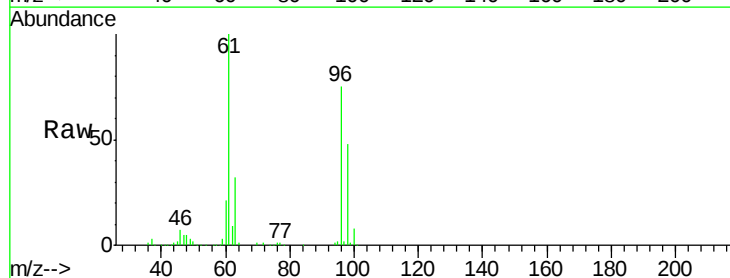


Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0

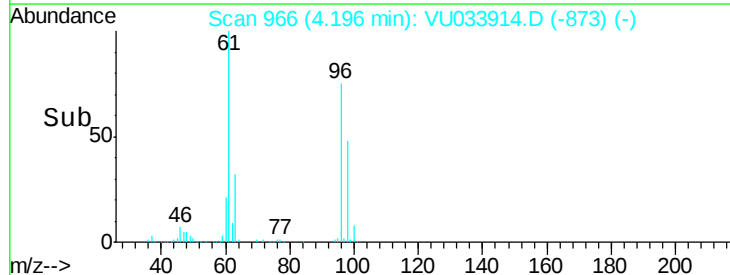
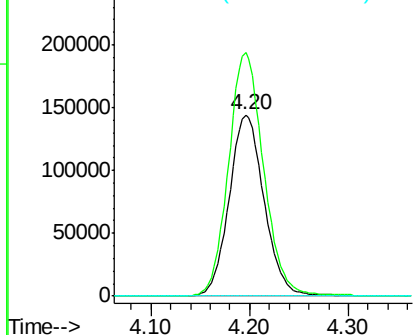


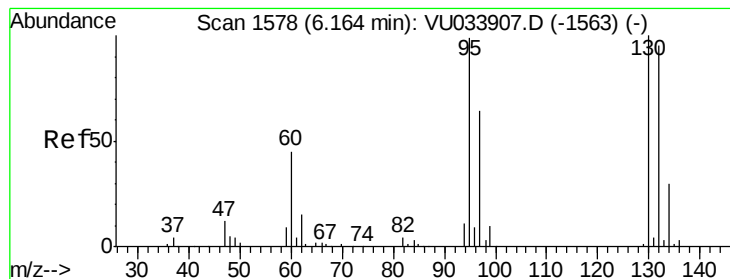
#20
cis-1,2-Dichloroethene
Concen: 75.770 ug/L
RT: 4.20 min Scan# 966
Delta R.T. -0.00 min
Lab File: VU033914.D
Acq: 22 Aug 2019 21:05

Tgt Ion: 96 Resp: 354893
Ion Ratio Lower Upper
96 100
61 134.2 95.5 177.4
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: 10.742 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU033914.D

Acq: 22 Aug 2019 21:05

Instrument :

MSVOA_U

ClientSampleId :

F2B99DL

Tot Ion: 95 Resp: 49467

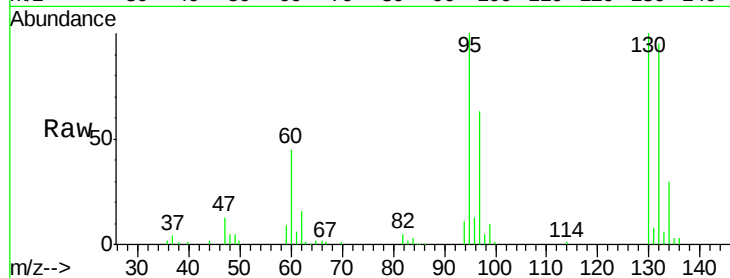
Ion Ratio Lower Upper

95 100

97 63.6 44.7 82.9

132 95.1 65.7 122.1

130 100.4 70.0 130.0

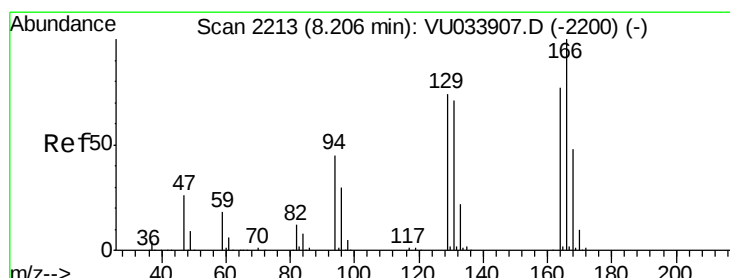
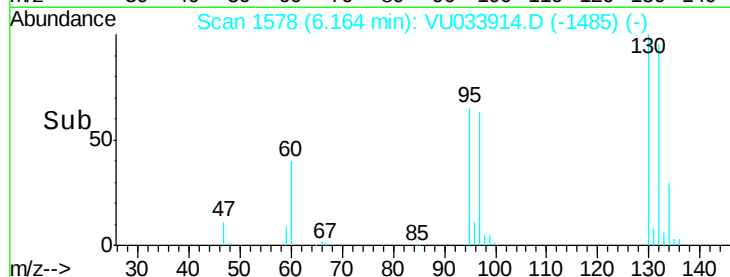
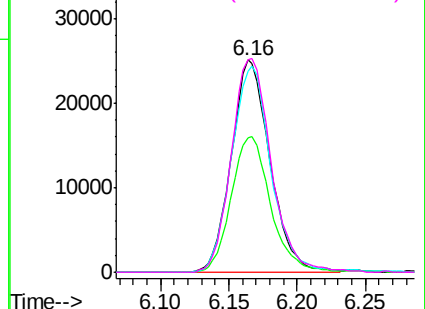


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 1.654 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VU033914.D

Acq: 22 Aug 2019 21:05

Tgt Ion: 164 Resp: 5918

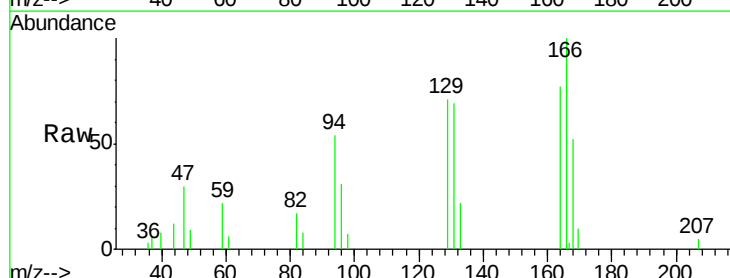
Ion Ratio Lower Upper

164 100

129 92.0 63.9 118.7

131 89.8 62.5 116.1

166 129.2 87.3 162.1



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

