

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U101219\
 Data File : VU035113.D
 Acq On : 12 Oct 2019 00:50
 Operator : JC/SP
 Sample : K5310-12
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MW-21D-001-01

Quant Time: Oct 12 04:56:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 12 02:39:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.87	114	157094	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	166645	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	60414	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	49395	5.32	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.40%
7) Chloroethane-d5	1.68	69	46278	5.34	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.80%
11) 1,1-Dichloroethene-d2	2.26	63	70449	3.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.00%
20) 2-Butanone-d5	4.17	46	134770	49.28	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.56%
24) Chloroform-d	4.63	84	83584	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
26) 1,2-Dichloroethane-d4	5.29	65	51626	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
32) Benzene-d6	5.32	84	178421	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
36) 1,2-Dichloropropane-d6	6.31	67	62779	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.20%
41) Toluene-d8	7.55	98	149557	3.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.20%
43) trans-1,3-Dichloropropene-	7.84	79	18046	3.84	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.80%
46) 2-Hexanone-d5	8.31	63	94060	42.07	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.14%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	52437	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.20%
64) 1,2-Dichlorobenzene-d4	11.85	152	51899	5.09	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.80%

Target Compounds

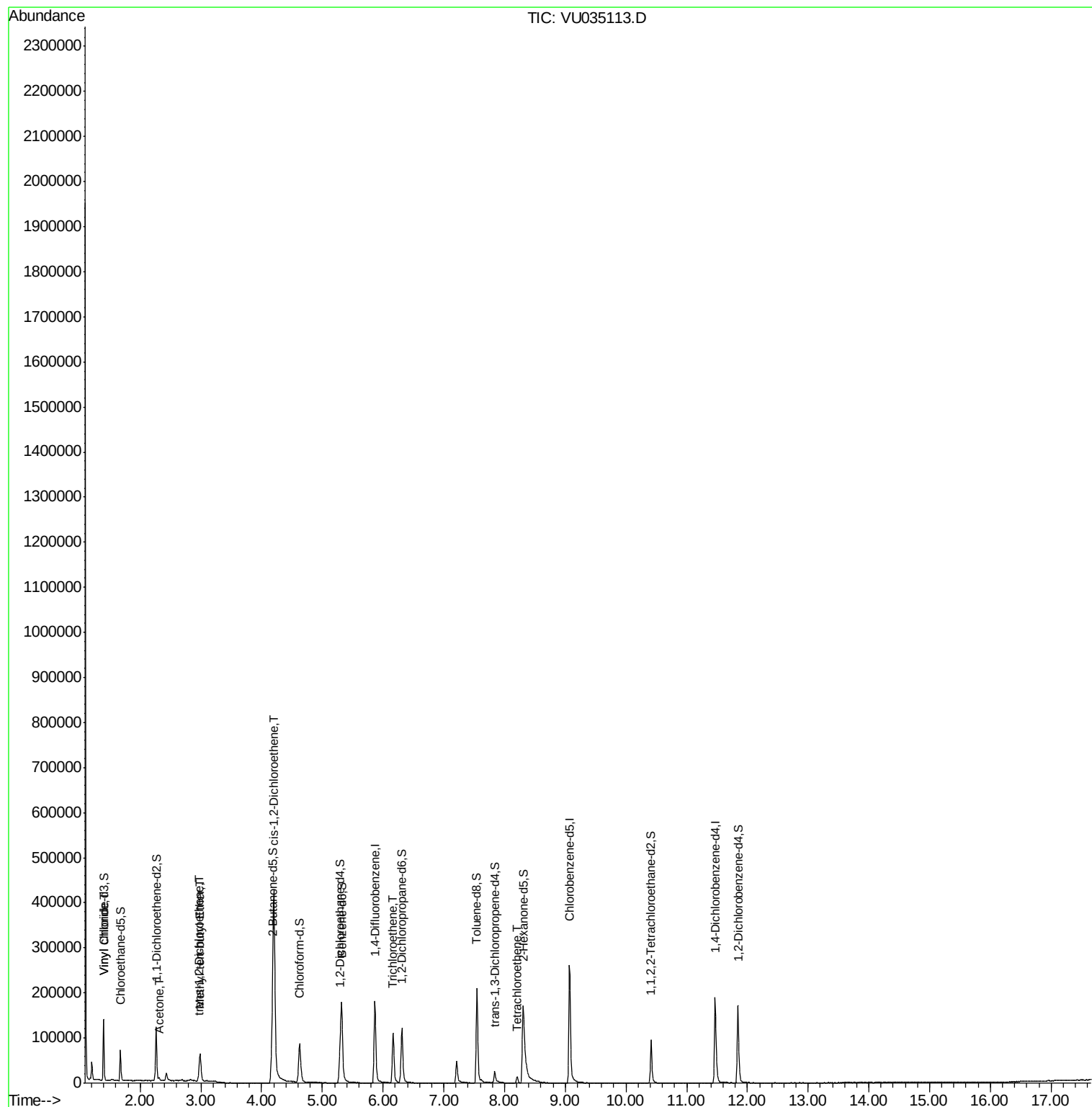
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	45749	2.957	ug/L	100
13) Acetone	2.31	43	6635	2.962	ug/L	96
17) Methyl tert-butyl Ether	2.99	73	58224	2.115	ug/L	97
18) trans-1,2-Dichloroethene	2.96	96	1634	0.151	ug/L	89
22) cis-1,2-Dichloroethene	4.20	96	228750	18.980	ug/L	86
34) Trichloroethene	6.16	95	40238	3.108	ug/L	98
47) Tetrachloroethene	8.21	164	3309	0.316	ug/L	96

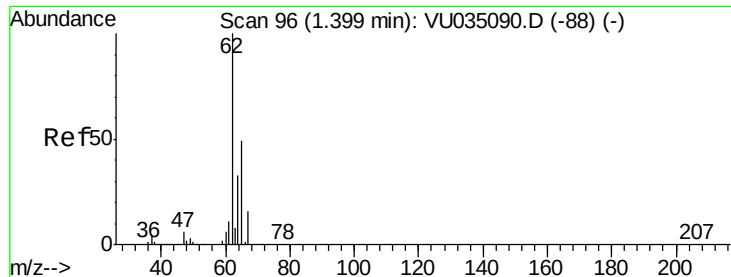
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 2.957 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

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Instrument :

MSVOA_U

ClientSampleId :

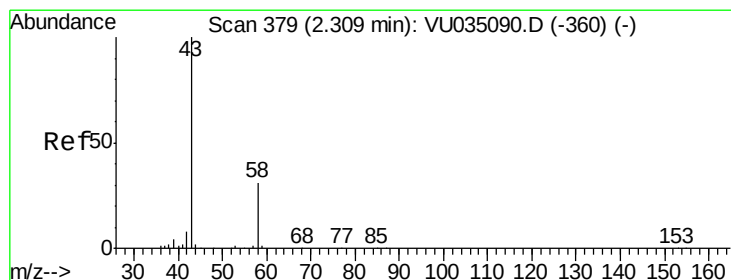
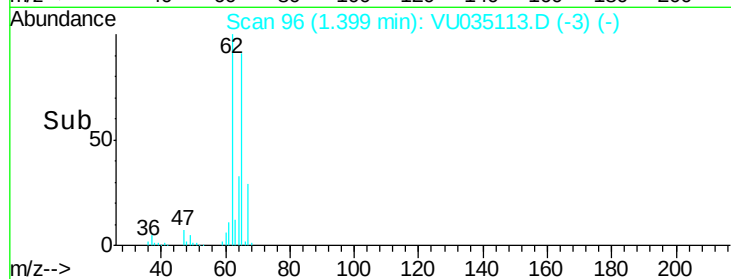
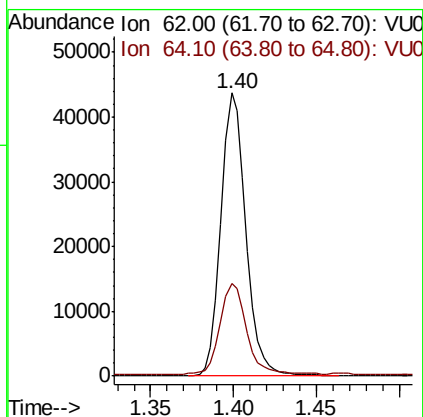
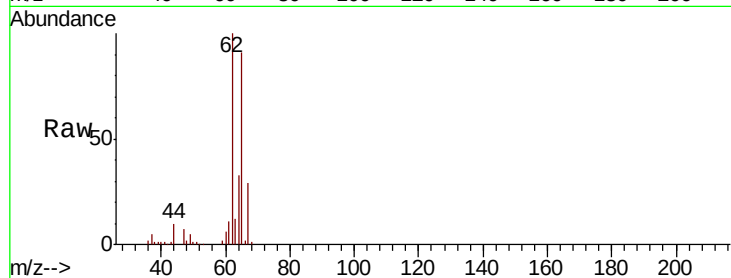
MW-21D-001-01

Tot Ion: 62 Resp: 45749

Ion Ratio Lower Upper

62 100

64 32.8 22.8 42.4



#13

Acetone

Concen: 2.962 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU035113.D

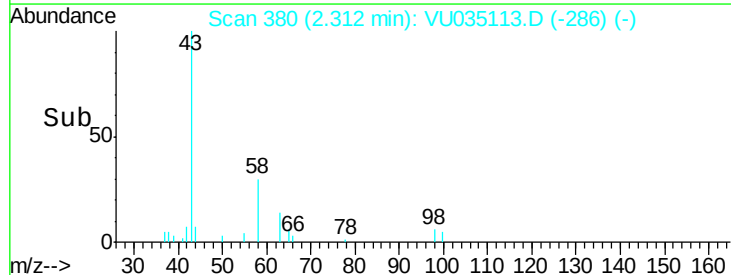
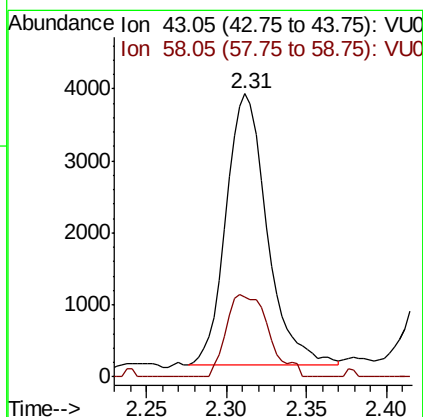
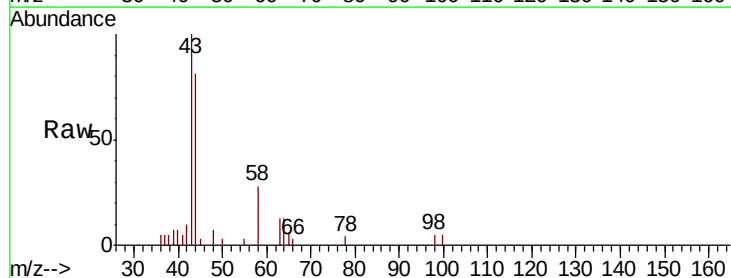
Acq: 12 Oct 2019 00:50

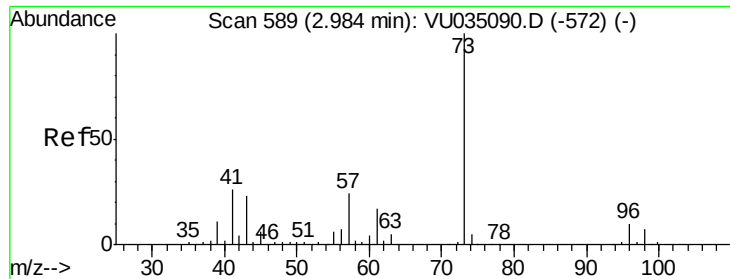
Tgt Ion: 43 Resp: 6635

Ion Ratio Lower Upper

43 100

58 31.2 0.0 66.6

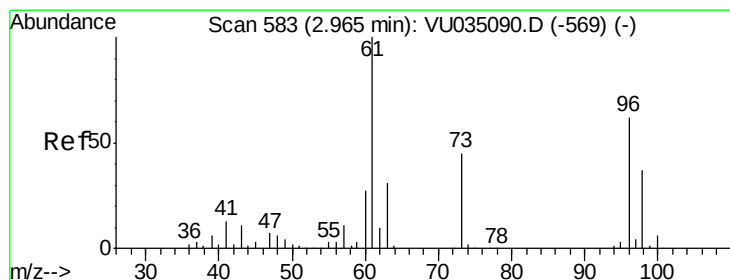
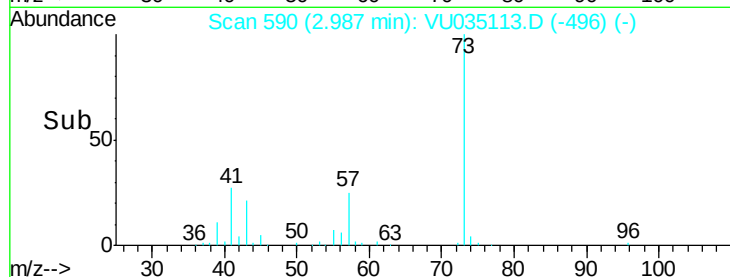
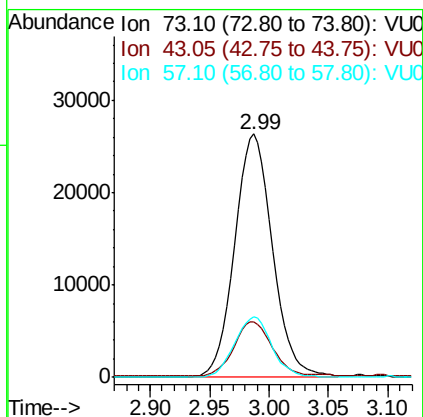
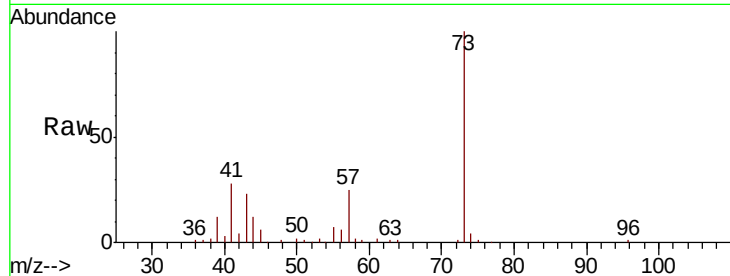




#17
Methyl tert-butyl Ether
Concen: 2.115 ug/L
RT: 2.99 min Scan# 590
Delta R.T. 0.00 min
Lab File: VU035113.D
Acq: 12 Oct 2019 00:50

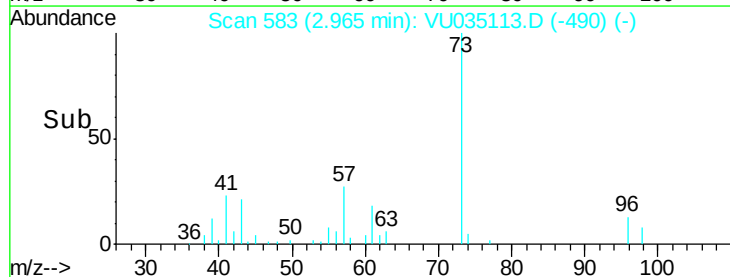
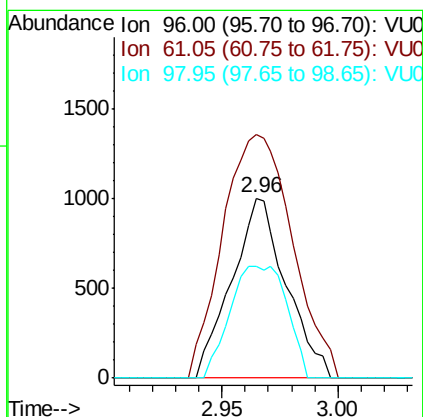
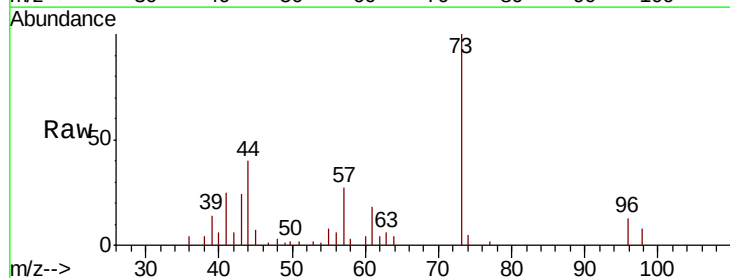
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MW-21D-001-01

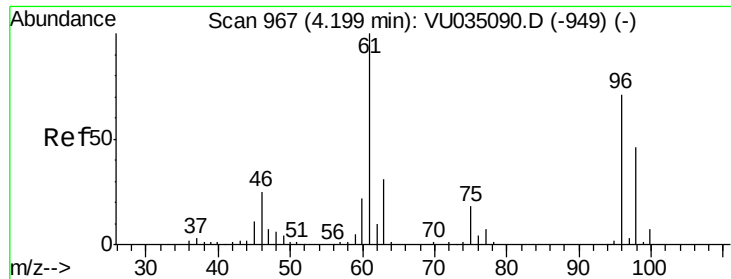
Tot Ion: 73 Resp: 58224
Ion Ratio Lower Upper
73 100
43 22.0 16.3 24.5
57 24.2 18.6 28.0



#18
trans-1,2-Dichloroethene
Concen: 0.151 ug/L
RT: 2.96 min Scan# 583
Delta R.T. 0.00 min
Lab File: VU035113.D
Acq: 12 Oct 2019 00:50

Tgt Ion: 96 Resp: 1634
Ion Ratio Lower Upper
96 100
61 135.4 107.1 198.9
98 61.9 45.4 84.4





#22

cis-1,2-Dichloroethene

Concen: 18.980 ug/L

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU035113.D

Acq: 12 Oct 2019 00:50

Instrument :

MSVOA_U

ClientSampleId :

MW-21D-001-01

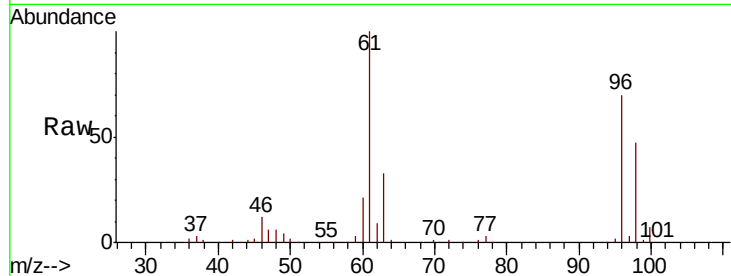
Tot Ion: 96 Resp: 228750

Ion Ratio Lower Upper

96 100

61 143.2 89.2 165.6

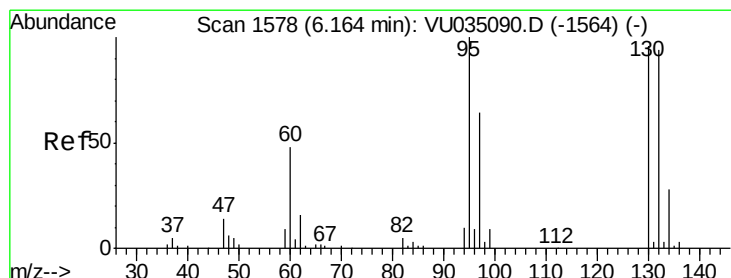
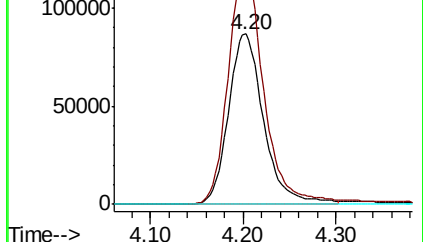
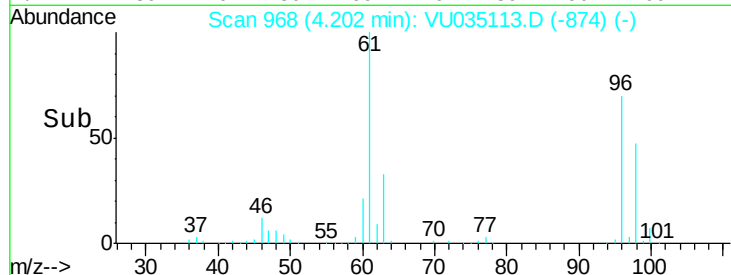
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU035113.D (-874) (-)

Ion 61.05 (60.75 to 61.75): VU035113.D (-874) (-)

Ion 68.15 (67.85 to 68.85): VU035113.D (-874) (-)



#34

Trichloroethene

Concen: 3.108 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU035113.D

Acq: 12 Oct 2019 00:50

Tgt Ion: 95 Resp: 40238

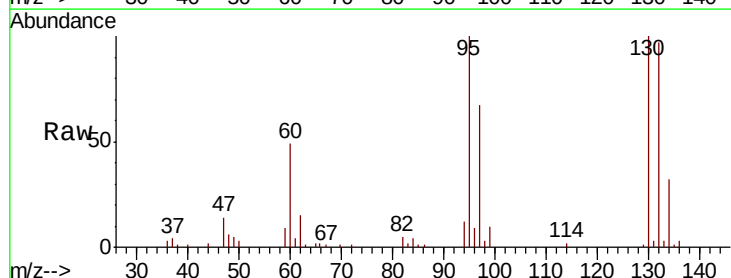
Ion Ratio Lower Upper

95 100

97 66.9 44.5 82.7

132 97.2 66.6 123.8

130 100.2 68.9 127.9

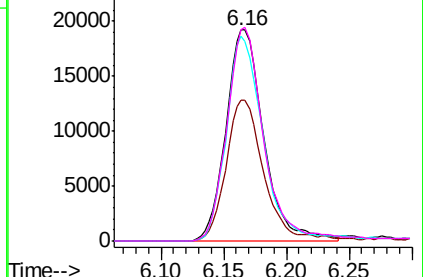
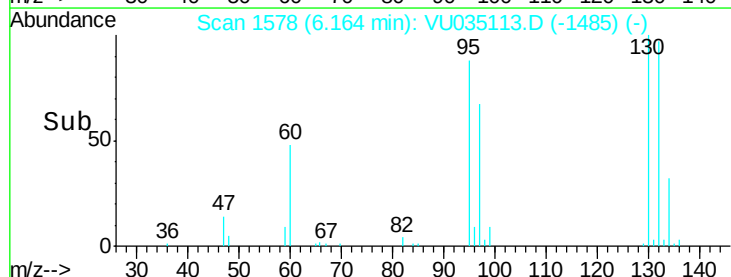


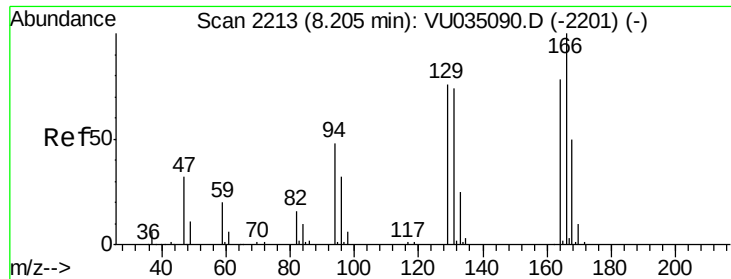
Abundance Ion 95.00 (94.70 to 95.70): VU035113.D (-1485) (-)

Ion 96.95 (96.65 to 97.65): VU035113.D (-1485) (-)

Ion 131.95 (131.65 to 132.65): VU035113.D (-1485) (-)

Ion 129.95 (129.65 to 130.65): VU035113.D (-1485) (-)





#47

Tetrachloroethene

Concen: 0.316 ug/L

RT: 8.21 min Scan# 2214

Delta R.T. 0.00 min

Lab File: VU035113.D

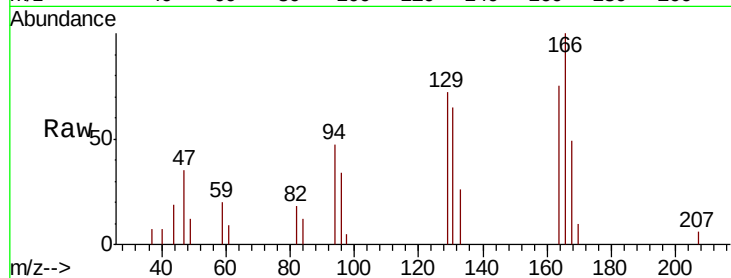
Acq: 12 Oct 2019 00:50

Instrument :

MSVOA_U

ClientSampleId :

MW-21D-001-01



Tot Ion:164 Resp: 3309

Ion Ratio Lower Upper

164 100

129 95.4 68.5 127.1

131 86.9 67.3 124.9

166 132.9 93.1 172.9

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

