

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU101219\
 Data File : VU035080.D
 Acq On : 11 Oct 2019 11:11
 Operator : JC/SP
 Sample : K5310-23
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 OU2-MW-5-001-01

Quant Time: Oct 12 02:07:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR100719WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 12 01:49:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.86	114	164052	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	165122	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	58939	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	57182	5.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	118.00%
7) Chloroethane-d5	1.68	69	52569	5.81	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	116.20%
11) 1,1-Dichloroethene-d2	2.26	63	83233	4.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.40%
20) 2-Butanone-d5	4.17	46	144940	50.75	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.50%
24) Chloroform-d	4.62	84	92306	5.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.80%
26) 1,2-Dichloroethane-d4	5.29	65	56889	5.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.80%
32) Benzene-d6	5.32	84	201532	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.00%
36) 1,2-Dichloropropane-d6	6.31	67	68386	5.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.60%
41) Toluene-d8	7.55	98	177924	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
43) trans-1,3-Dichloropropene-	7.84	79	20817	4.47	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.40%
46) 2-Hexanone-d5	8.30	63	111661	50.40	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.80%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	55716	5.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	102.20%
64) 1,2-Dichlorobenzene-d4	11.85	152	56722	5.70	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	114.00%

Target Compounds

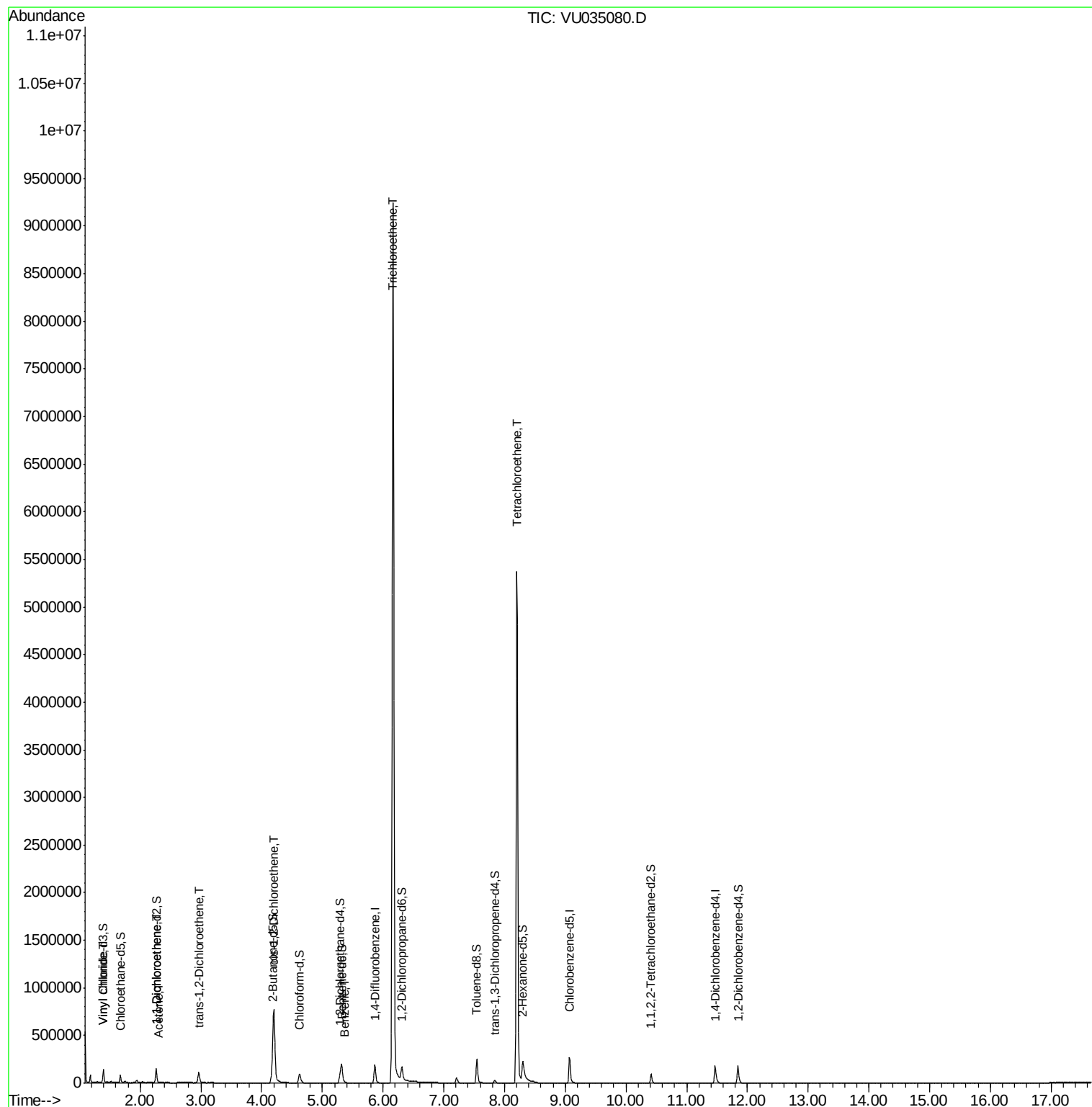
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.40	62	5945	0.368	ug/L #	58
12) 1,1-Dichloroethene	2.27	96	5865	0.557	ug/L #	1
13) Acetone	2.31	43	3151	1.347	ug/L	99
18) trans-1,2-Dichloroethene	2.96	96	40458	3.586	ug/L	98
22) cis-1,2-Dichloroethene	4.20	96	425730	33.825	ug/L	92
33) Benzene	5.37	78	6634	0.133	ug/L	100
34) Trichloroethene	6.16	95	3174362	247.471	ug/L	99
47) Tetrachloroethene	8.21	164	1164817	112.183	ug/L	97

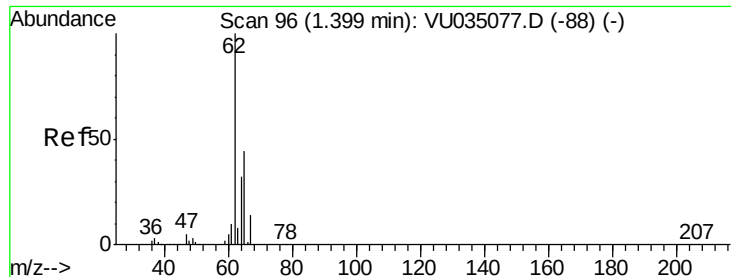
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Oct 12 01:49:52 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.368 ug/L

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU035080.D

Acq: 11 Oct 2019 11:11

Instrument :

MSVOA_U

ClientSampleId :

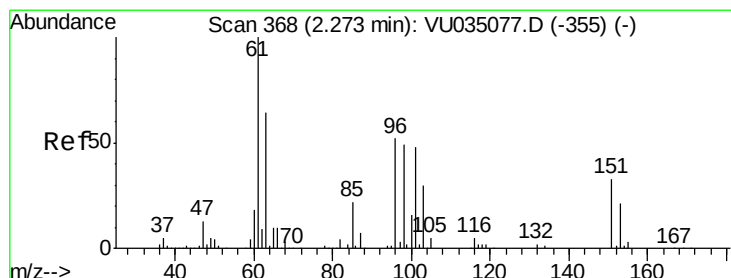
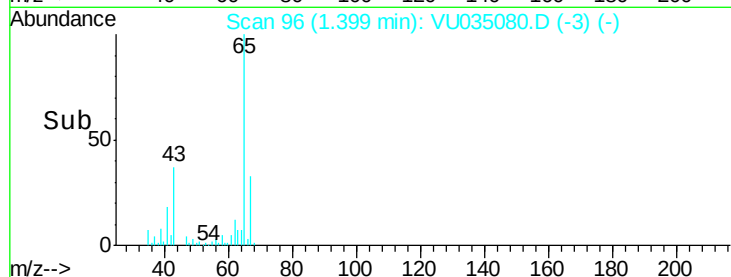
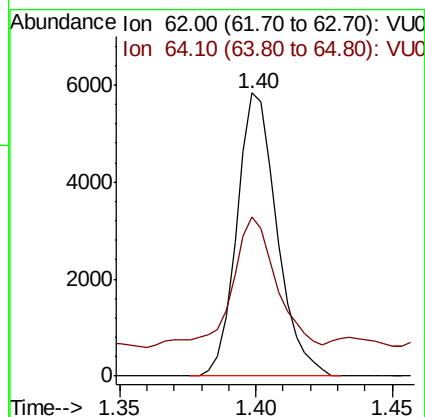
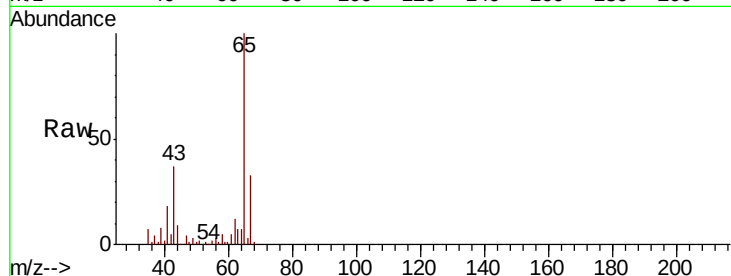
OU2-MW-5-001-01

Tot Ion: 62 Resp: 5945

Ion Ratio Lower Upper

62 100

64 56.1 22.8 42.4#



#12

1,1-Dichloroethene

Concen: 0.557 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.00 min

Lab File: VU035080.D

Acq: 11 Oct 2019 11:11

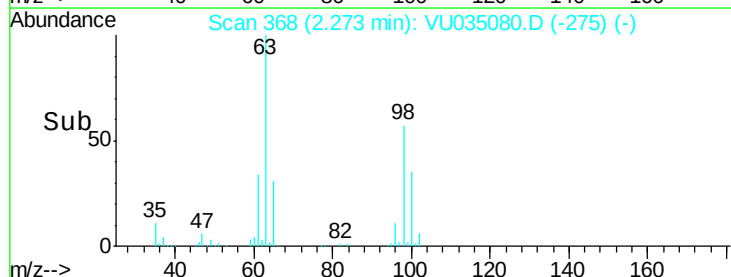
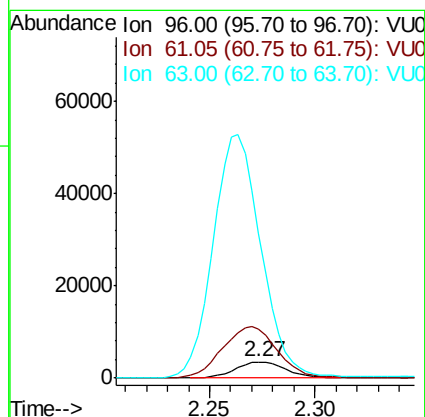
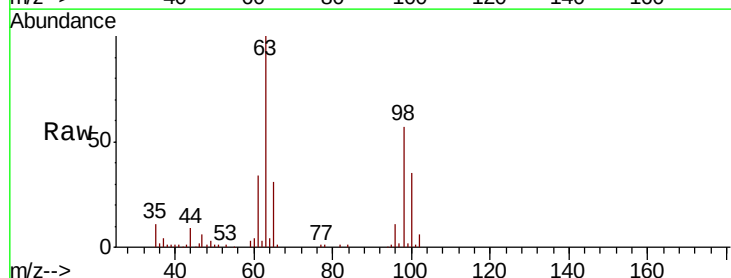
Tgt Ion: 96 Resp: 5865

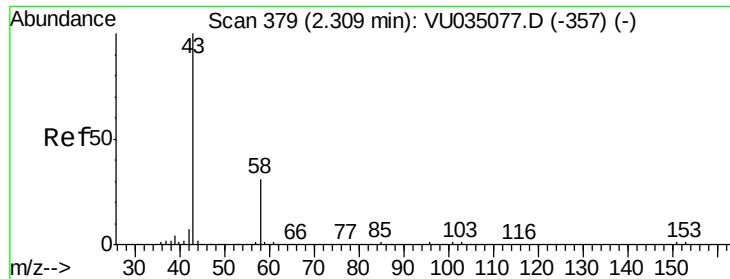
Ion Ratio Lower Upper

96 100

61 299.5 129.3 240.1#

63 888.2 108.9 202.3#





#13

Acetone

Concen: 1.347 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU035080.D

Acq: 11 Oct 2019 11:11

Instrument :

MSVOA_U

ClientSampleId :

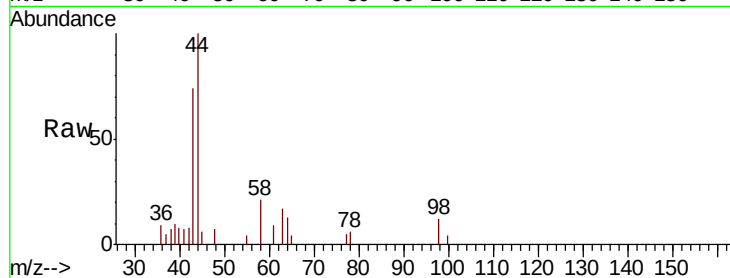
OU2-MW-5-001-01

Tot Ion: 43 Resp: 3151

Ion Ratio Lower Upper

43 100

58 32.7 0.0 66.6



Abundance Ion 43.05 (42.75 to 43.75): VU035077.D (-357) (-)

Ion 58.05 (57.75 to 58.75): VU035077.D (-357) (-)

2.31

2000

1500

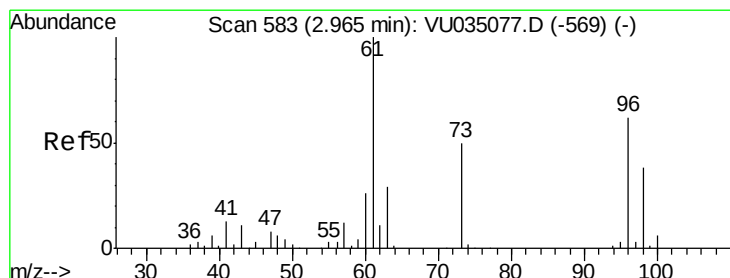
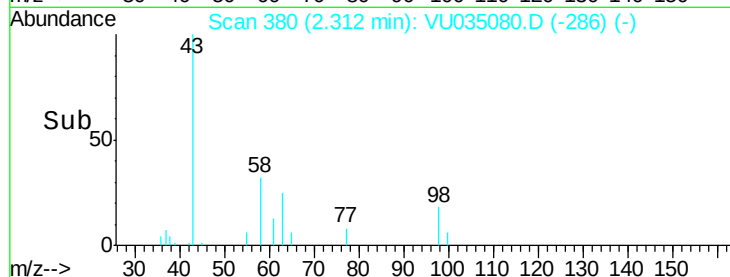
1000

500

0

Time-->

2.25 2.30 2.35



#18

trans-1,2-Dichloroethene

Concen: 3.586 ug/L

RT: 2.96 min Scan# 583

Delta R.T. -0.00 min

Lab File: VU035080.D

Acq: 11 Oct 2019 11:11

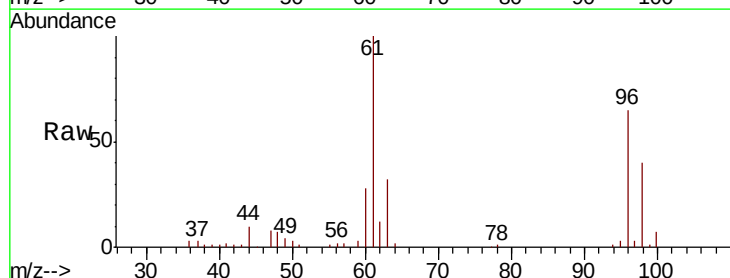
Tgt Ion: 96 Resp: 40458

Ion Ratio Lower Upper

96 100

61 153.9 107.1 198.9

98 60.9 45.4 84.4



Abundance Ion 96.00 (95.70 to 96.70): VU035077.D (-569) (-)

Ion 61.05 (60.75 to 61.75): VU035077.D (-569) (-)

Ion 97.95 (97.65 to 98.65): VU035077.D (-569) (-)

40000

30000

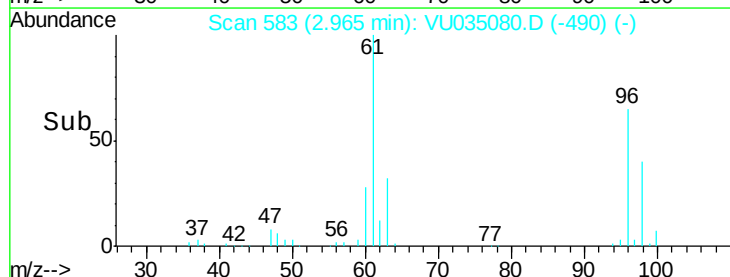
20000

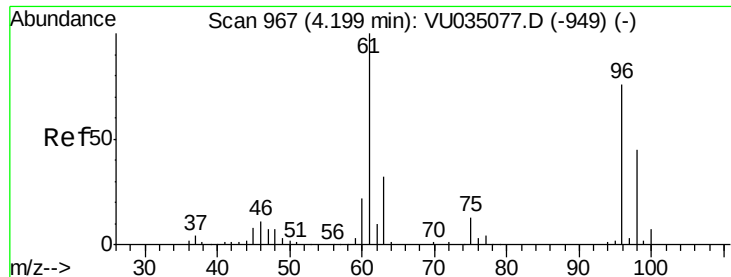
10000

0

Time-->

2.90 2.95 3.00 3.05 3.10



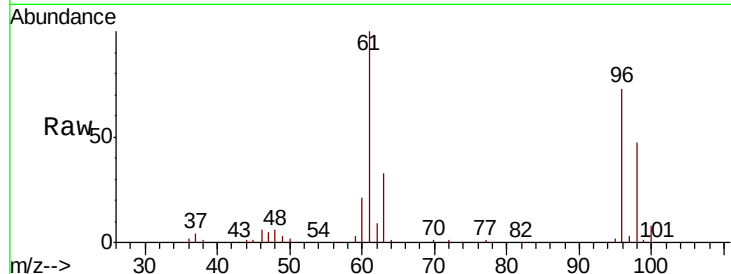


#22

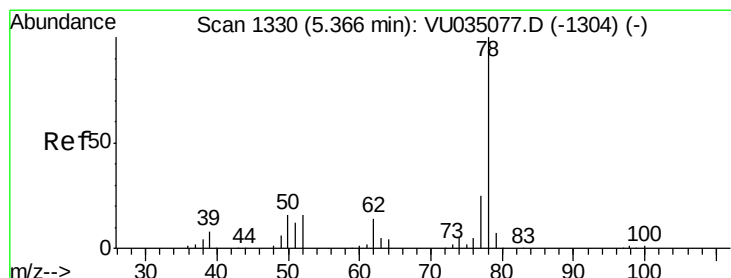
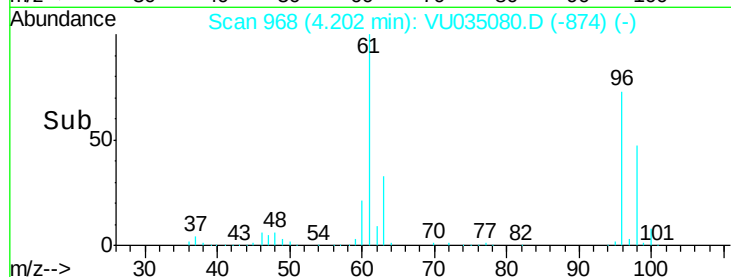
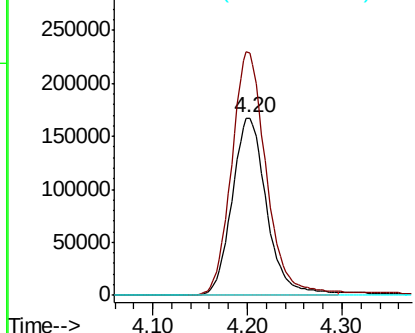
cis-1,2-Dichloroethene
 Concen: 33.825 ug/L
 RT: 4.20 min Scan# 968
 Delta R.T. 0.00 min
 Lab File: VU035080.D
 Acq: 11 Oct 2019 11:11

Instrument :
 MSVOA_U
 ClientSampleId :
 OU2-MW-5-001-01

Tot Ion: 96 Resp: 425730
 Ion Ratio Lower Upper
 96 100
 61 136.6 89.2 165.6
 68 0.0 0.0 0.0



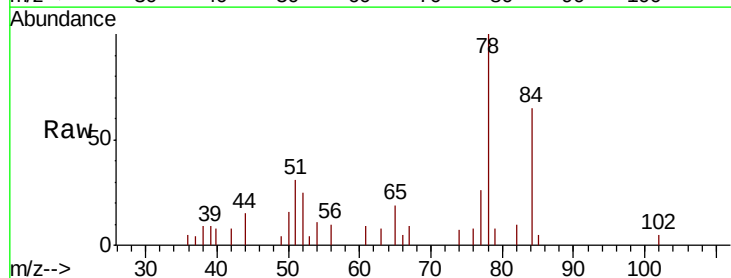
Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0



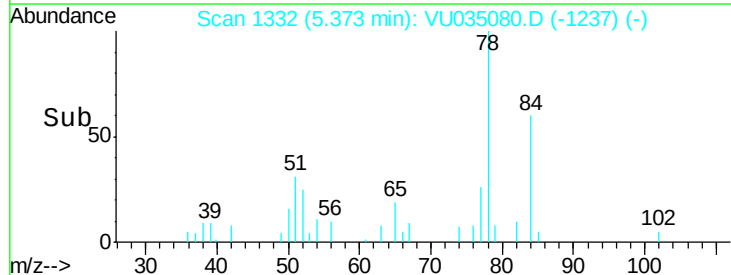
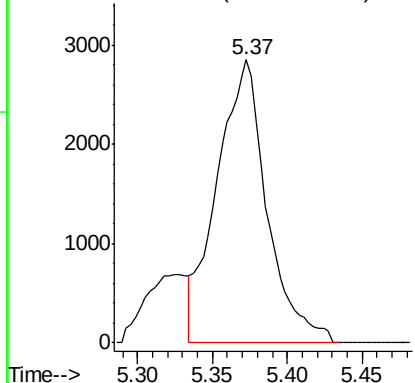
#33

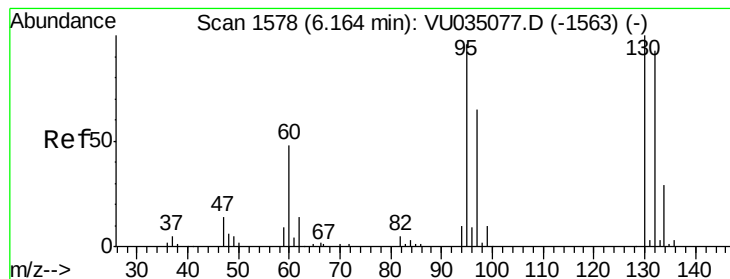
Benzene
 Concen: 0.133 ug/L
 RT: 5.37 min Scan# 1332
 Delta R.T. 0.01 min
 Lab File: VU035080.D
 Acq: 11 Oct 2019 11:11

Tgt Ion: 78 Resp: 6634



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 247.471 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. -0.00 min

Lab File: VU035080.D

Acq: 11 Oct 2019 11:11

Instrument :

MSVOA_U

ClientSampleId :

OU2-MW-5-001-01

Tot Ion: 95 Resp: 3174362

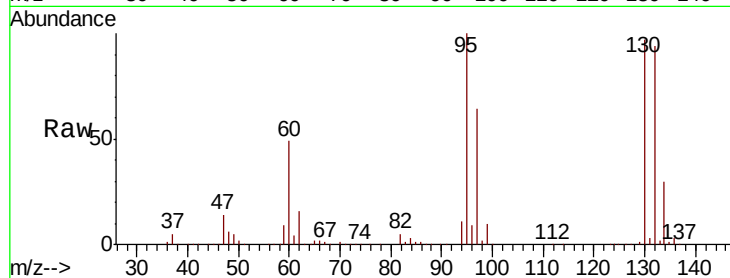
Ion Ratio Lower Upper

95 100

97 64.2 44.5 82.7

132 93.7 66.6 123.8

130 96.7 68.9 127.9



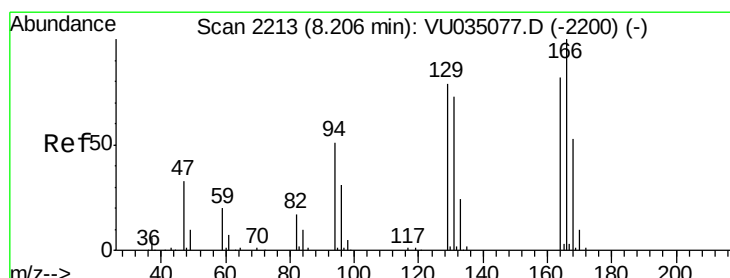
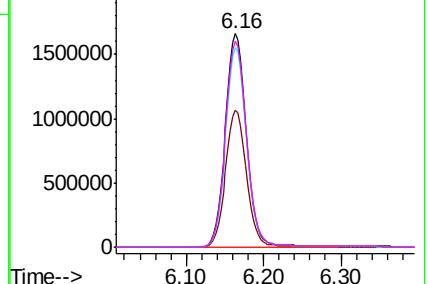
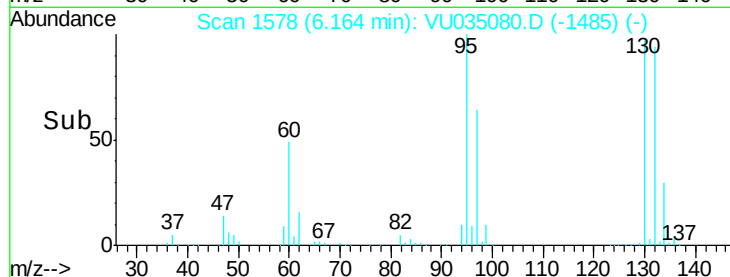
Abundance

Ion 95.00 (94.70 to 95.70): VU035080.D (-1485) (-)

Ion 96.95 (96.65 to 97.65): VU035080.D (-1485) (-)

Ion 131.95 (131.65 to 132.65): VU035080.D (-1485) (-)

Ion 129.95 (129.65 to 130.65): VU035080.D (-1485) (-)



#47

Tetrachloroethene

Concen: 112.183 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. -0.00 min

Lab File: VU035080.D

Acq: 11 Oct 2019 11:11

Tgt Ion:164 Resp: 1164817

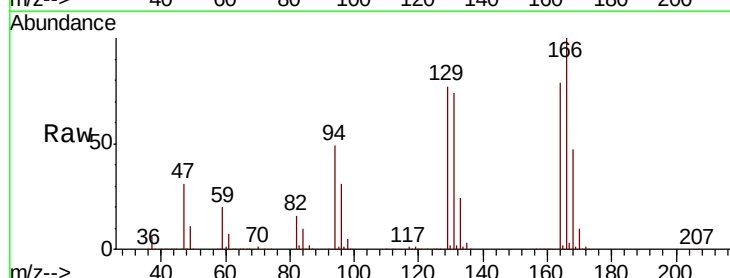
Ion Ratio Lower Upper

164 100

129 97.3 68.5 127.1

131 93.6 67.3 124.9

166 125.9 93.1 172.9



Abundance

Ion 163.90 (163.60 to 164.60): VU035080.D (-2120) (-)

Ion 128.95 (128.65 to 129.65): VU035080.D (-2120) (-)

Ion 130.95 (130.65 to 131.65): VU035080.D (-2120) (-)

Ion 165.90 (165.60 to 166.60): VU035080.D (-2120) (-)

