

Data File : VU035100.D
Acq On : 11 Oct 2019 19:33
Operator : JC/SP
Sample : K5310-02
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
IW-1S-001-01

Quant Time: Oct 12 02:46:39 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	5.86	114	163032	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.07	117	171017	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.47	152	62310	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	52753	5.47	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	109.40%
7) Chloroethane-d5	1.68	69	50504	5.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	112.20%
11) 1,1-Dichloroethene-d2	2.26	63	78926	3.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.60%
20) 2-Butanone-d5	4.17	46	149430	52.65	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.30%
24) Chloroform-d	4.62	84	102463	5.69	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.80%
26) 1,2-Dichloroethane-d4	5.29	65	55875	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
32) Benzene-d6	5.32	84	195261	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
36) 1,2-Dichloropropane-d6	6.31	67	68835	5.14	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.80%
41) Toluene-d8	7.55	98	169480	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.40%
43) trans-1,3-Dichloropropene-	7.84	79	19198	3.98	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.60%
46) 2-Hexanone-d5	8.30	63	105854	46.13	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.26%
57) 1,1,2,2-Tetrachloroethane-	10.41	84	57093	5.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.00%
64) 1,2-Dichlorobenzene-d4	11.85	152	56931	5.42	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	108.40%

Target Compounds

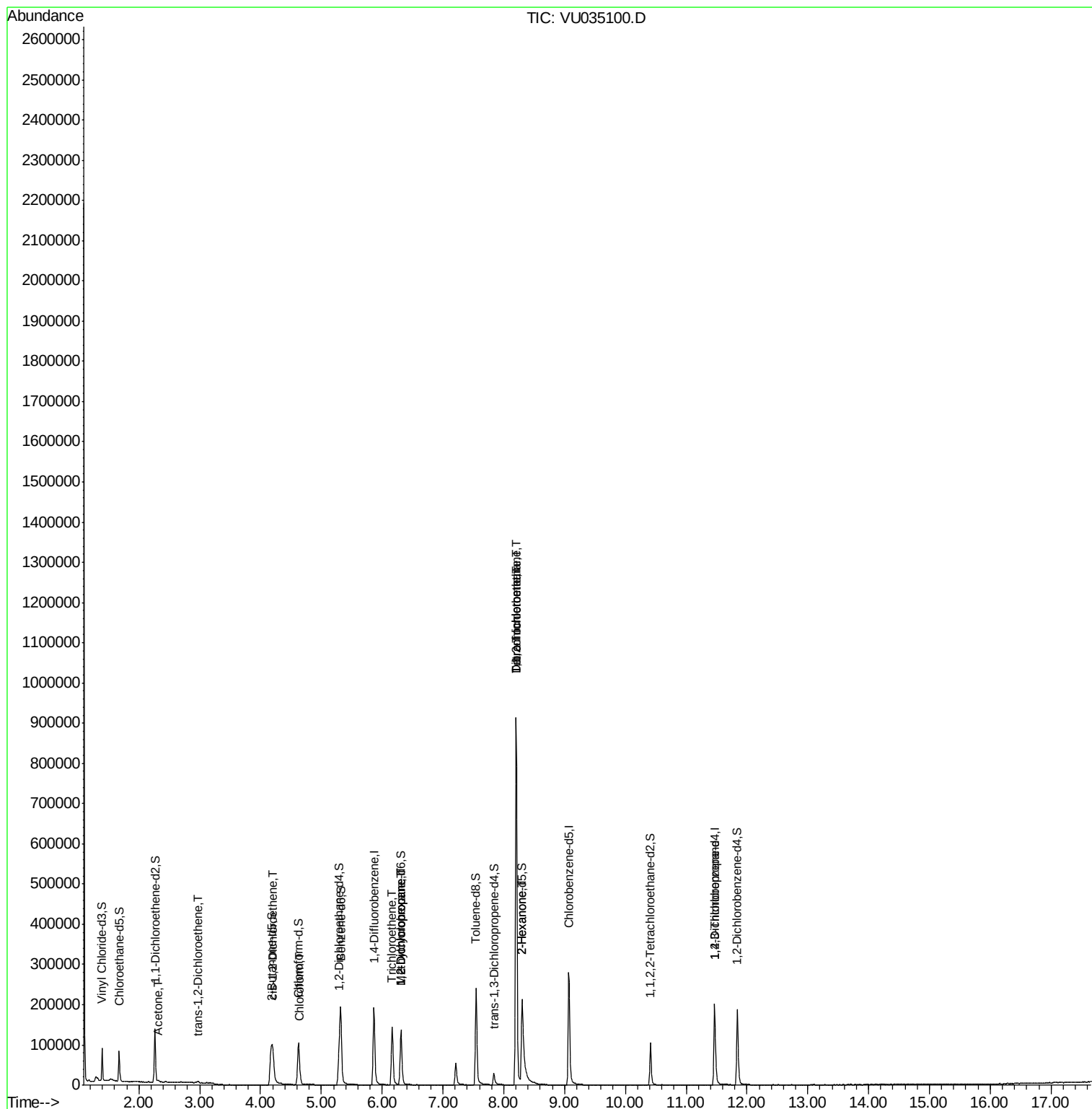
					Qvalue
13) Acetone	2.31	43	4404	1.895 ug/L	97
18) trans-1,2-Dichloroethene	2.97	96	1249	0.111 ug/L	89
22) cis-1,2-Dichloroethene	4.20	96	39648	3.170 ug/L	87
25) Chloroform	4.66	83	6381	0.255 ug/L	88
34) Trichloroethene	6.16	95	53099	3.997 ug/L	98
35) Methylcyclohexane	6.31	83	15034	0.699 ug/L #	18
37) 1,2-Dichloropropane	6.31	63	7934	0.571 ug/L #	90
45) 1,1,2-Trichloroethane	8.20	97	1798	0.195 ug/L #	4
47) Tetrachloroethene	8.21	164	206904	19.240 ug/L	96
48) 2-Hexanone	8.31	43	10877	1.814 ug/L #	62
49) Dibromochloromethane	8.21	129	192445	18.045 ug/L #	12
59) 1,2,3-Trichloropropane	11.47	75	8429	0.937 ug/L	99

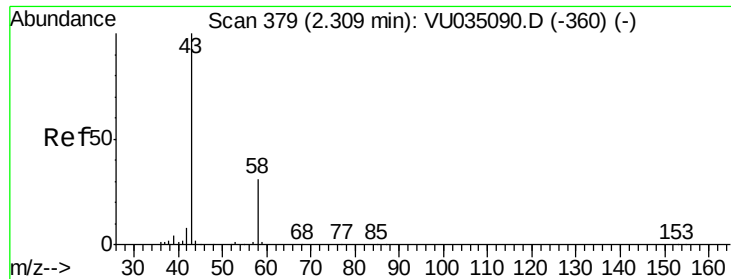
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.895 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VU035100.D

Acq: 11 Oct 2019 19:33

Instrument :

MSVOA_U

ClientSampleId :

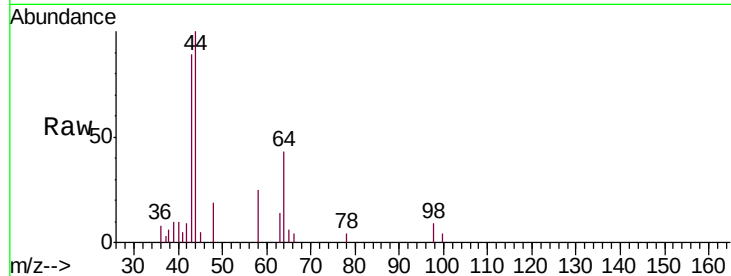
IW-1S-001-01

Tgt Ion: 43 Resp: 4404

Ion Ratio Lower Upper

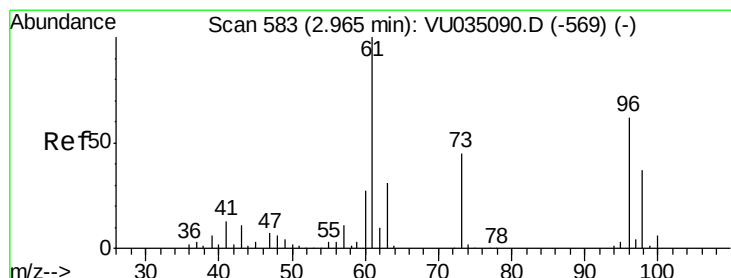
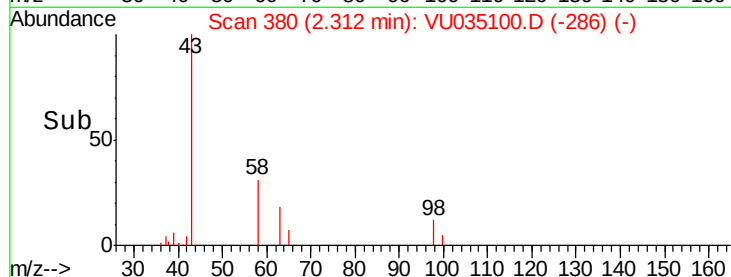
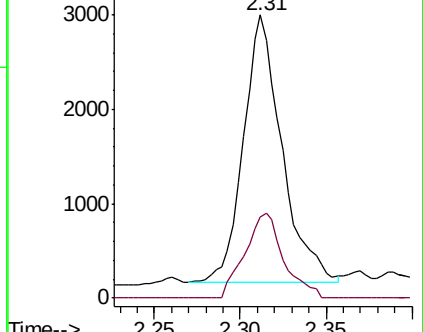
43 100

58 31.7 0.0 66.6



Abundance Ion 43.05 (42.75 to 43.75): VU035100.D (-286) (-)

Ion 58.05 (57.75 to 58.75): VU035100.D (-286) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.111 ug/L

RT: 2.97 min Scan# 584

Delta R.T. 0.00 min

Lab File: VU035100.D

Acq: 11 Oct 2019 19:33

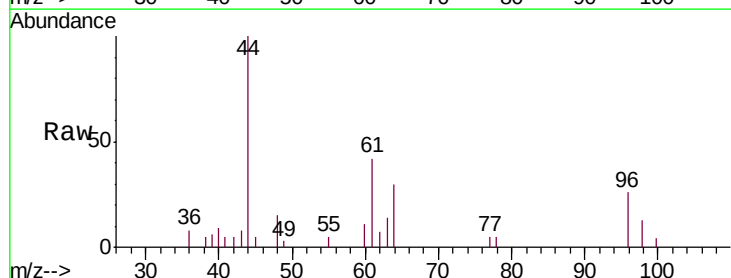
Tgt Ion: 96 Resp: 1249

Ion Ratio Lower Upper

96 100

61 161.4 107.1 198.9

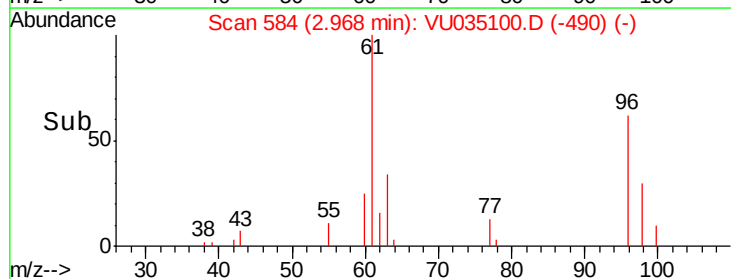
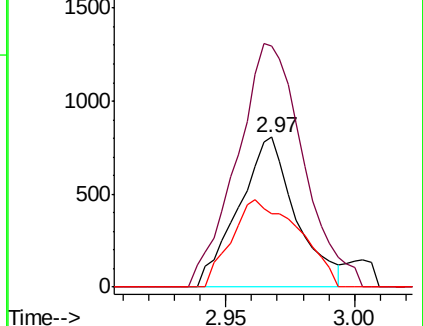
98 48.8 45.4 84.4

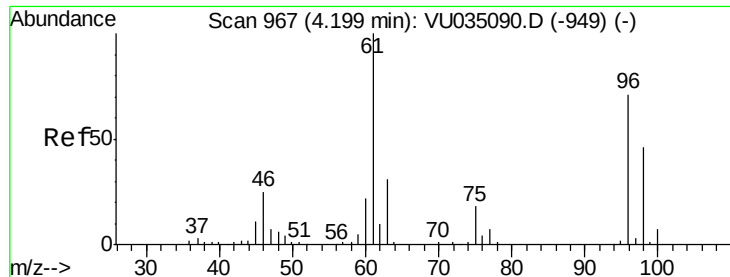


Abundance Ion 96.00 (95.70 to 96.70): VU035100.D (-490) (-)

Ion 61.05 (60.75 to 61.75): VU035100.D (-490) (-)

Ion 97.95 (97.65 to 98.65): VU035100.D (-490) (-)

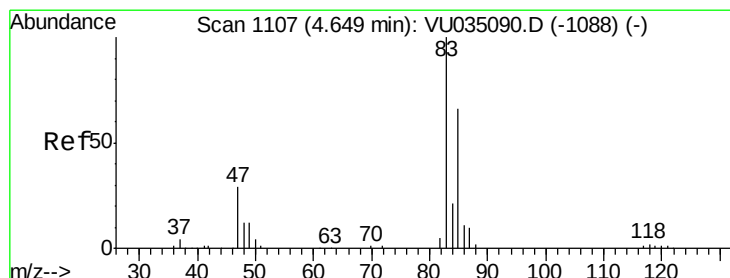
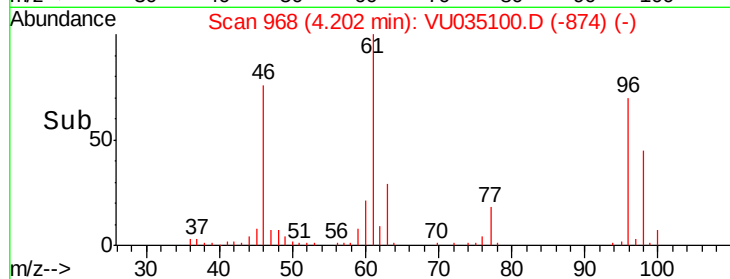
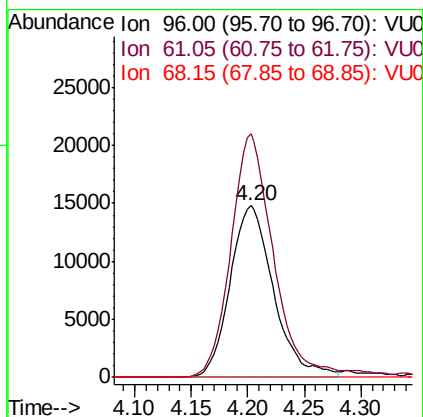
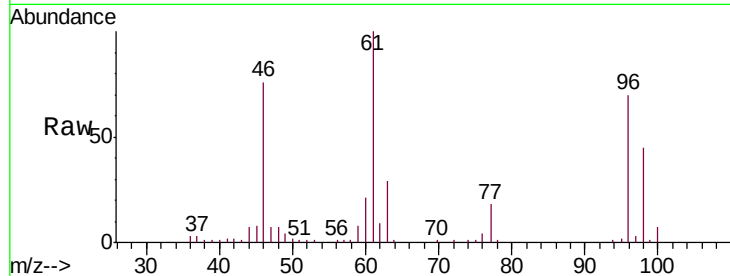




#22
 cis-1,2-Dichloroethene
 Concen: 3.170 ug/L
 RT: 4.20 min Scan# 968
 Delta R.T. 0.00 min
 Lab File: VU035100.D
 Acq: 11 Oct 2019 19:33

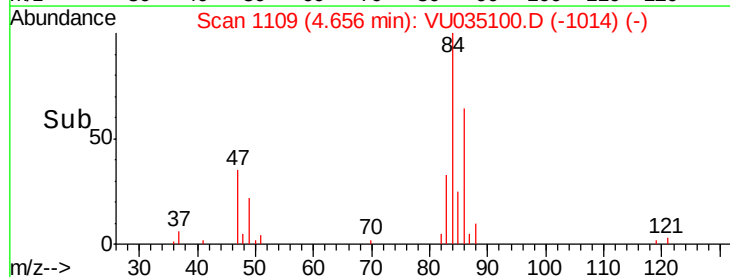
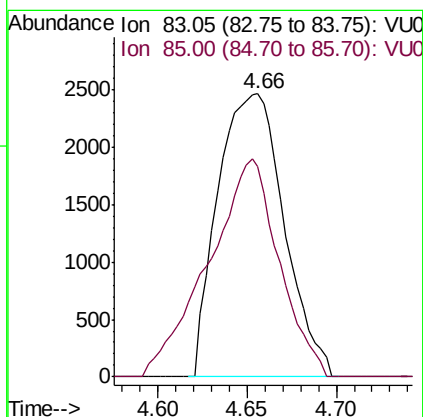
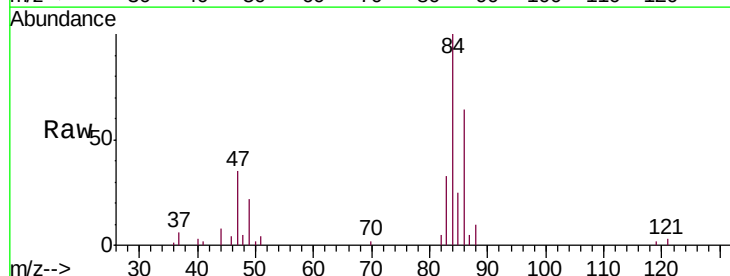
Instrument :
 MSVOA_U
 ClientSampleId :
 IW-1S-001-01

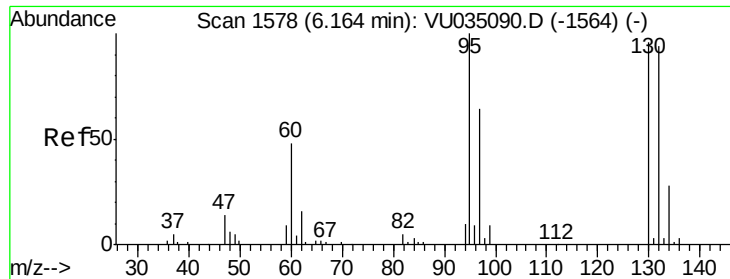
Tgt Ion: 96 Resp: 39648
 Ion Ratio Lower Upper
 96 100
 61 142.0 89.2 165.6
 68 0.0 0.0 0.0



#25
 Chloroform
 Concen: 0.255 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. 0.01 min
 Lab File: VU035100.D
 Acq: 11 Oct 2019 19:33

Tgt Ion: 83 Resp: 6381
 Ion Ratio Lower Upper
 83 100
 85 74.1 45.4 84.4





#34

Trichloroethene

Concen: 3.997 ug/L

RT: 6.16 min Scan# 1578

Delta R.T. 0.00 min

Lab File: VU035100.D

Acq: 11 Oct 2019 19:33

Instrument :

MSVOA_U

ClientSampleId :

IW-1S-001-01

Tgt Ion: 95 Resp: 53099

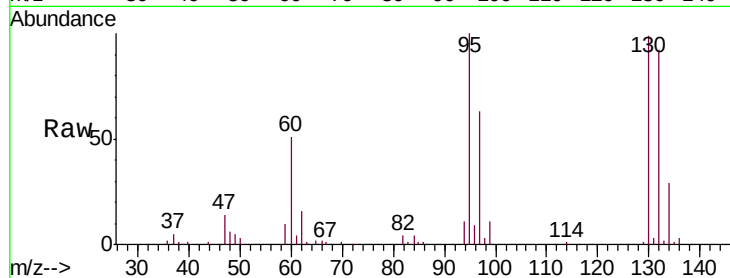
Ion Ratio Lower Upper

95 100

97 63.1 44.5 82.7

132 91.7 66.6 123.8

130 99.5 68.9 127.9

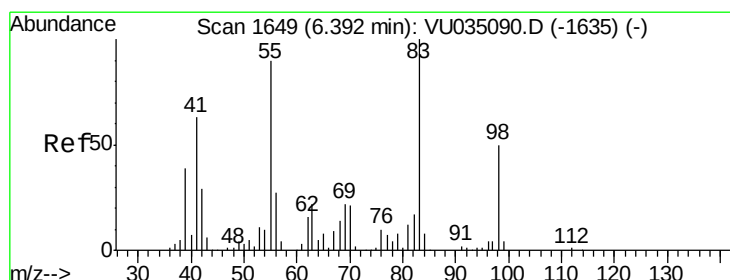
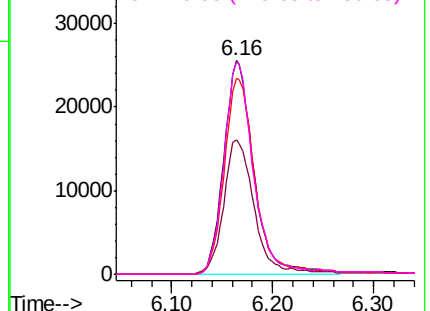
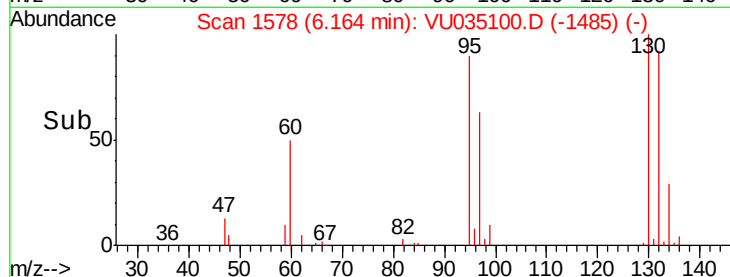


Abundance Ion 95.00 (94.70 to 95.70): VU035100.D (-1485) (-)

Ion 96.95 (96.65 to 97.65): VU035100.D (-1485) (-)

Ion 131.95 (131.65 to 132.65): VU035100.D (-1485) (-)

Ion 129.95 (129.65 to 130.65): VU035100.D (-1485) (-)



#35

Methylcyclohexane

Concen: 0.699 ug/L

RT: 6.31 min Scan# 1623

Delta R.T. -0.08 min

Lab File: VU035100.D

Acq: 11 Oct 2019 19:33

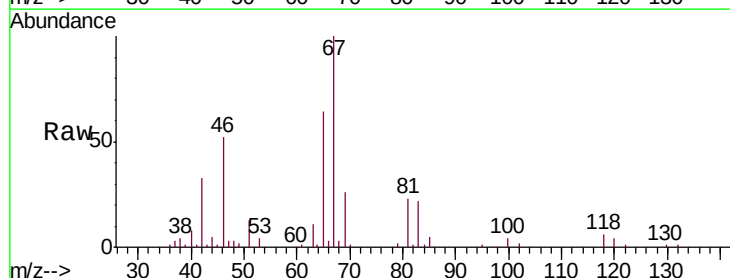
Tgt Ion: 83 Resp: 15034

Ion Ratio Lower Upper

83 100

55 0.0 62.6 94.0#

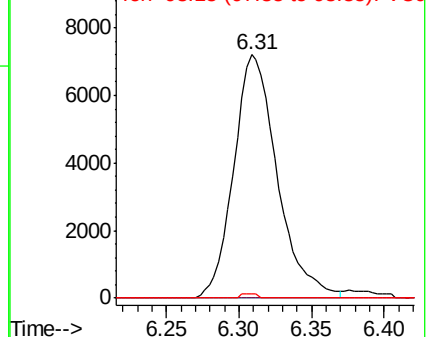
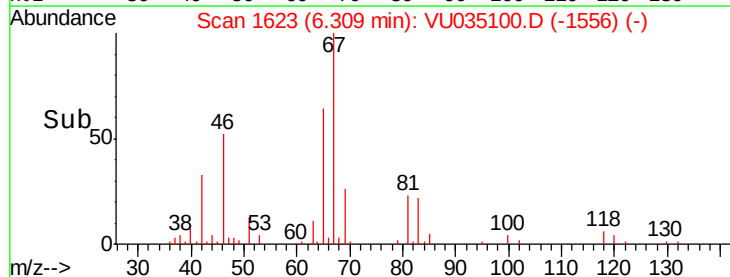
98 0.6 36.2 54.2#

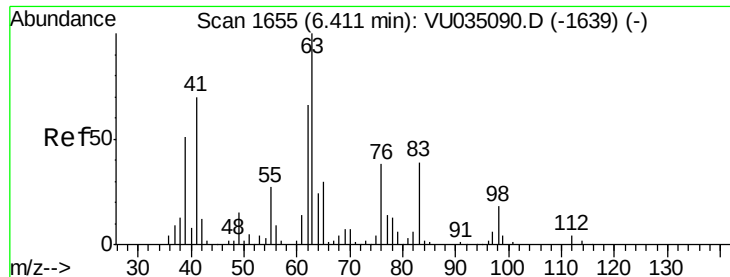


Abundance Ion 83.15 (82.85 to 83.85): VU035100.D (-1556) (-)

Ion 55.10 (54.80 to 55.80): VU035100.D (-1556) (-)

Ion 98.15 (97.85 to 98.85): VU035100.D (-1556) (-)





#37

1,2-Dichloropropane

Concen: 0.571 ug/L

RT: 6.31 min Scan# 1624

Delta R.T. -0.10 min

Lab File: VU035100.D

Acq: 11 Oct 2019 19:33

Instrument :

MSVOA_U

ClientSampleId :

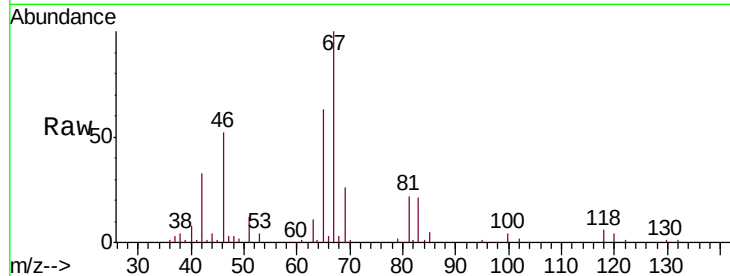
IW-1S-001-01

Tgt Ion: 63 Resp: 7934

Ion Ratio Lower Upper

63 100

112 0.5 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU035100.D (-1639) (-)

Ion 112.10 (111.80 to 112.80): VU035100.D (-1639) (-)

6.31

4000

3000

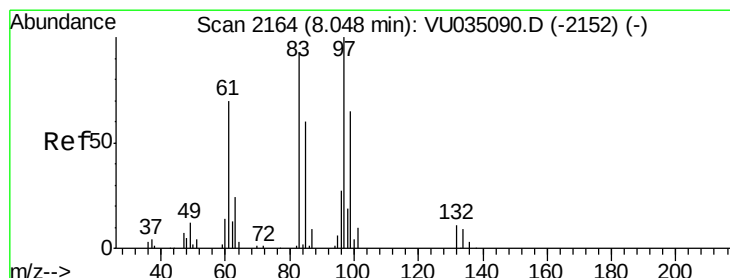
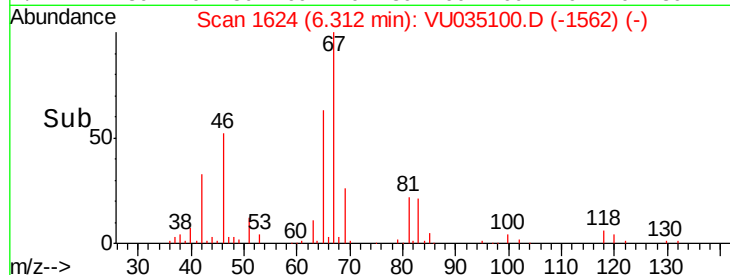
2000

1000

0

6.25 6.30 6.35 6.40

Time-->



#45

1,1,2-Trichloroethane

Concen: 0.195 ug/L

RT: 8.20 min Scan# 2212

Delta R.T. 0.15 min

Lab File: VU035100.D

Acq: 11 Oct 2019 19:33

Tgt Ion: 97 Resp: 1798

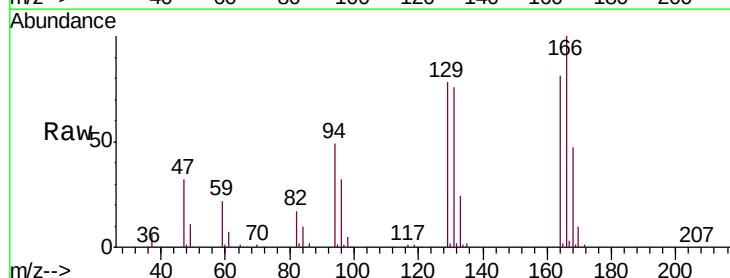
Ion Ratio Lower Upper

97 100

99 19.6 42.3 78.5#

83 237.8 58.0 107.6#

85 36.2 37.8 70.2#



Abundance Ion 96.95 (96.65 to 97.65): VU035100.D (-2152) (-)

Ion 99.05 (98.75 to 99.75): VU035100.D (-2152) (-)

Ion 82.95 (82.65 to 83.65): VU035100.D (-2152) (-)

Ion 85.00 (84.70 to 85.70): VU035100.D (-2152) (-)

4000

3000

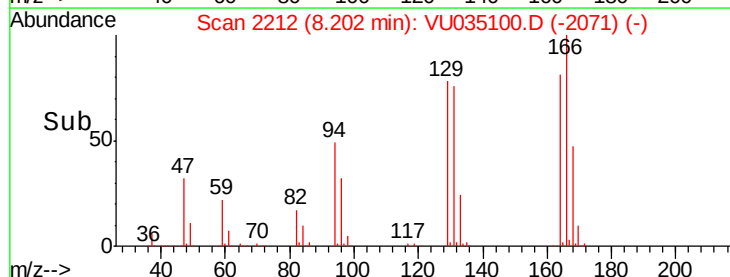
2000

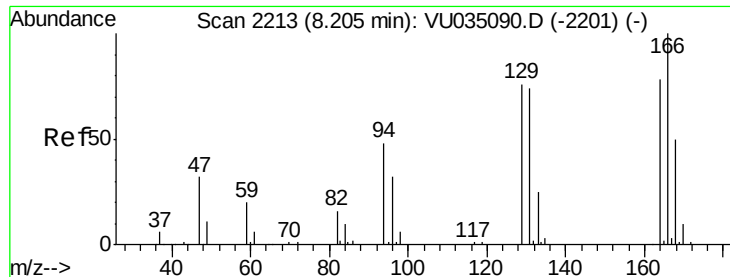
1000

0

8.15 8.20 8.25

Time-->





#47

Tetrachloroethene

Concen: 19.240 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. 0.00 min

Lab File: VU035100.D

Acq: 11 Oct 2019 19:33

Instrument :

MSVOA_U

ClientSampleId :

IW-1S-001-01

Tgt Ion:164 Resp: 206904

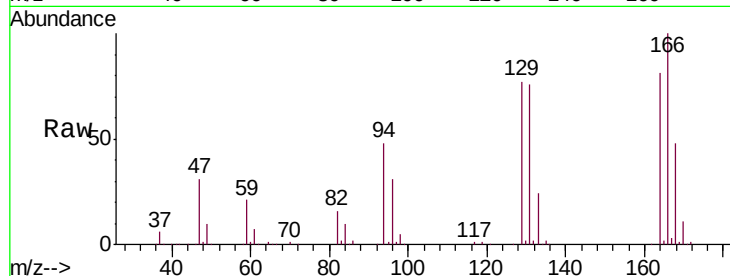
Ion Ratio Lower Upper

164 100

129 95.8 68.5 127.1

131 93.8 67.3 124.9

166 124.2 93.1 172.9

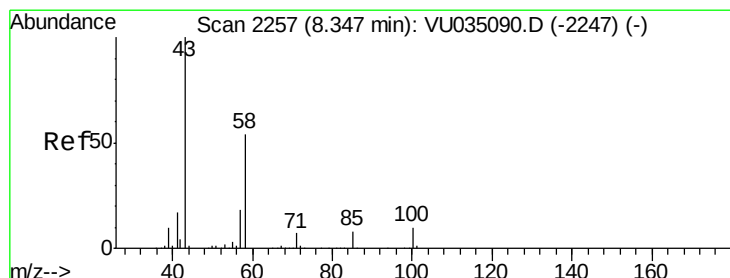
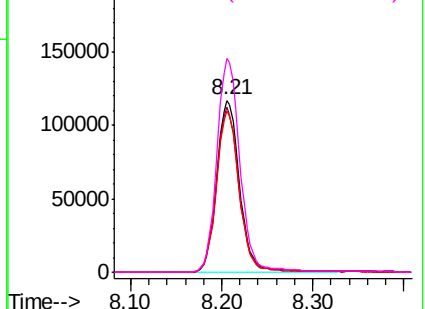
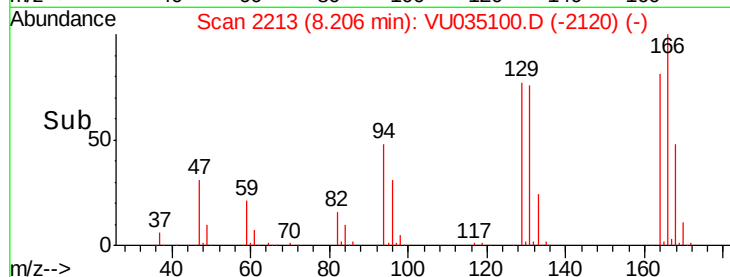


Abundance Ion 163.90 (163.60 to 164.60): V

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



#48

2-Hexanone

Concen: 1.814 ug/L

RT: 8.31 min Scan# 2244

Delta R.T. -0.04 min

Lab File: VU035100.D

Acq: 11 Oct 2019 19:33

Tgt Ion: 43 Resp: 10877

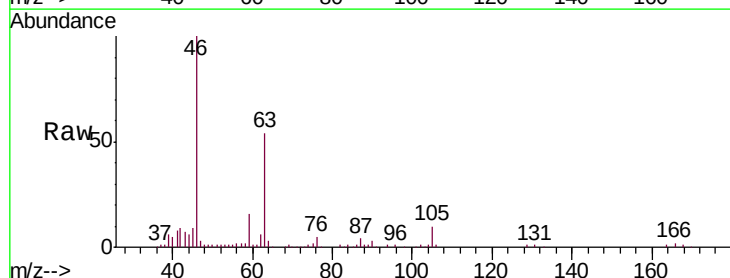
Ion Ratio Lower Upper

43 100

58 25.3 44.1 66.1#

57 35.8 15.8 23.8#

100 0.9 9.4 14.2#

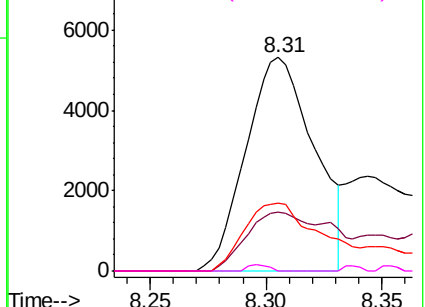
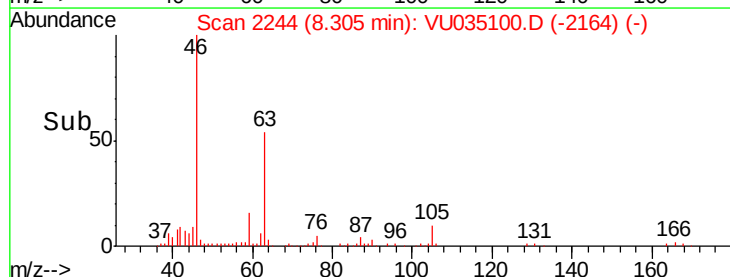


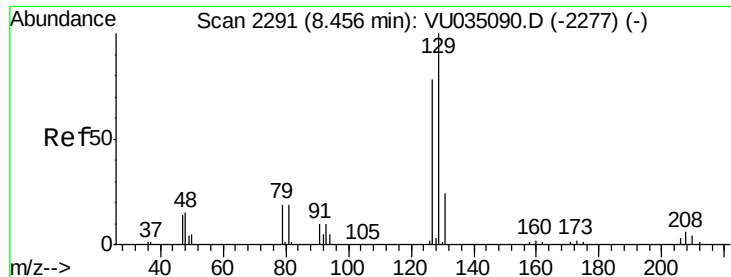
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0

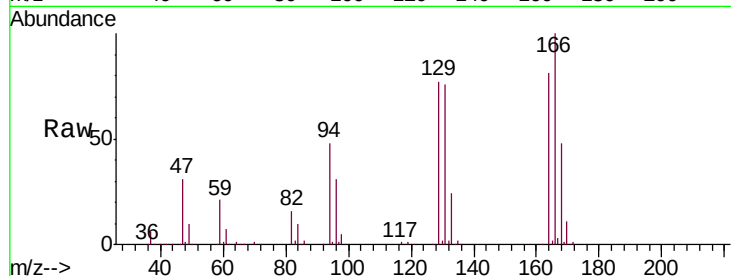




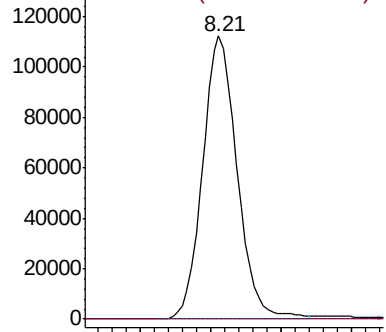
#49
 Dibromochloromethane
 Concen: 18.045 ug/L
 RT: 8.21 min Scan# 2213
 Delta R.T. -0.25 min
 Lab File: VU035100.D
 Acq: 11 Oct 2019 19:33

Instrument :
 MSVOA_U
 ClientSampleId :
 IW-1S-001-01

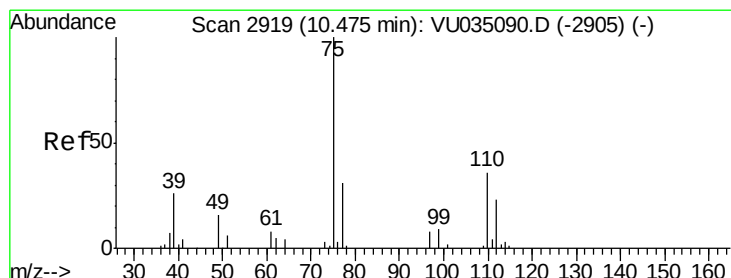
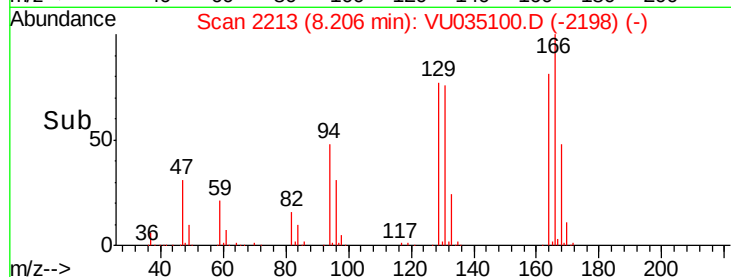
Tgt Ion: 129 Resp: 192445
 Ion Ratio Lower Upper
 129 100
 127 0.1 51.9 96.5#



Abundance Ion 128.95 (128.65 to 129.65): V
 Ion 126.90 (126.60 to 127.60): V

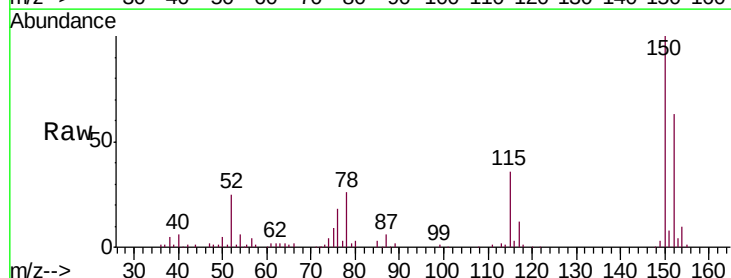


Time-->

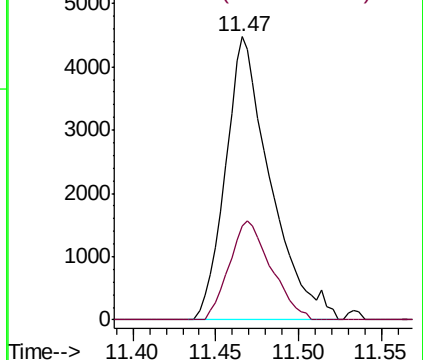


#59
 1,2,3-Trichloropropane
 Concen: 0.937 ug/L
 RT: 11.47 min Scan# 3227
 Delta R.T. 0.99 min
 Lab File: VU035100.D
 Acq: 11 Oct 2019 19:33

Tgt Ion: 75 Resp: 8429
 Ion Ratio Lower Upper
 75 100
 77 32.6 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VU0
 Ion 77.00 (76.70 to 77.70): VU0



Time-->

