

Data File : VU036286.D
Acq On : 19 Dec 2019 16:35
Operator : JC/MD
Sample : K6282-05
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDW1

Quant Time: Dec 20 03:17:18 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR121319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Dec 20 03:13:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	244481	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	270356	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	105912	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	123835	5.75	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	115.00%
7) Chloroethane-d5	1.93	69	106034	5.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	109.80%
11) 1,1-Dichloroethene-d2	2.59	63	122154	3.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.60%
20) 2-Butanone-d5	4.69	46	214983	53.30	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.60%
24) Chloroform-d	5.11	84	174818	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
26) 1,2-Dichloroethane-d4	5.75	65	91746	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.00%
32) Benzene-d6	5.77	84	322598	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.00%
36) 1,2-Dichloropropane-d6	6.73	67	106192	4.96	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.20%
41) Toluene-d8	7.93	98	266758	4.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.40%
43) trans-1,3-Dichloropropene-	8.21	79	39944	4.53	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.60%
46) 2-Hexanone-d5	8.67	63	174621	51.83	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.66%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	93580	4.78	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.60%
64) 1,2-Dichlorobenzene-d4	12.21	152	101650	5.01	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.20%

Target Compounds

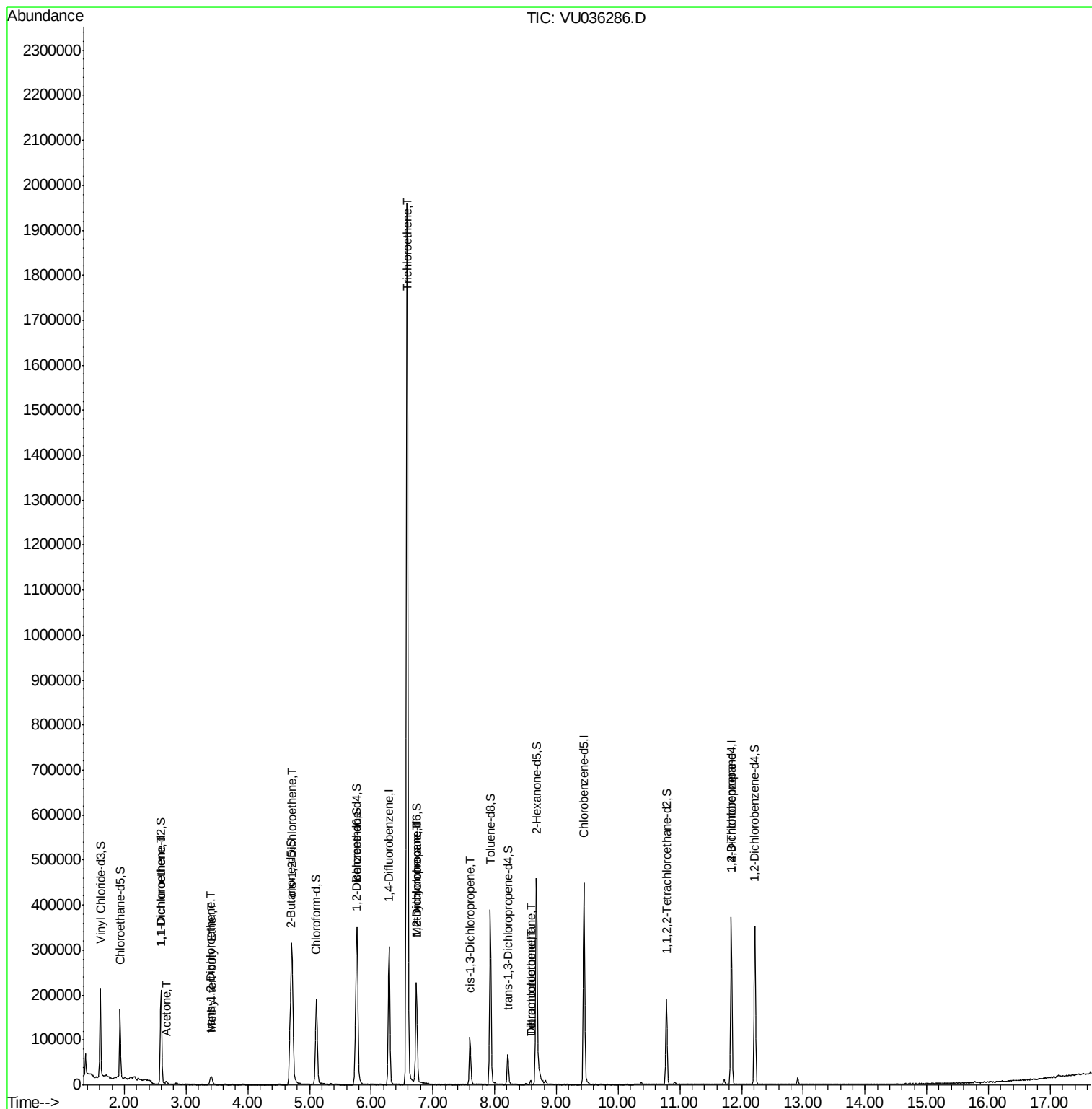
					Qvalue
12) 1,1-Dichloroethene	2.61	96	5934	0.327 ug/L #	1
13) Acetone	2.68	43	8879	2.526 ug/L	93
17) Methyl tert-butyl Ether	3.42	73	15452	0.398 ug/L	96
18) trans-1,2-Dichloroethene	3.39	96	3934	0.207 ug/L	84
22) cis-1,2-Dichloroethene	4.72	96	138449	6.795 ug/L	99
34) Trichloroethene	6.58	95	663803	30.988 ug/L	98
35) Methylcyclohexane	6.73	83	26496	0.870 ug/L #	18
37) 1,2-Dichloropropane	6.73	63	12144	0.573 ug/L #	87
39) cis-1,3-Dichloropropene	7.60	75	2683	0.093 ug/L #	57
47) Tetrachloroethene	8.58	164	2320	0.120 ug/L #	77
49) Dibromochloromethane	8.58	129	1839	0.094 ug/L #	12
59) 1,2,3-Trichloropropane	11.83	75	12404	0.880 ug/L	97

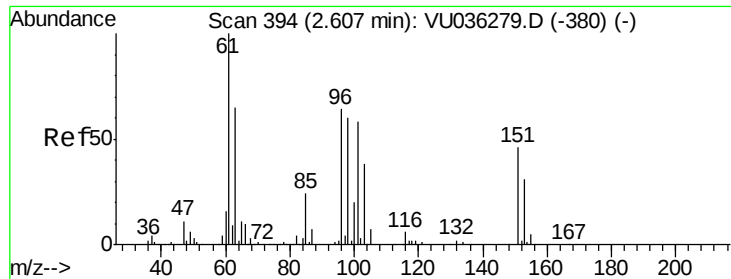
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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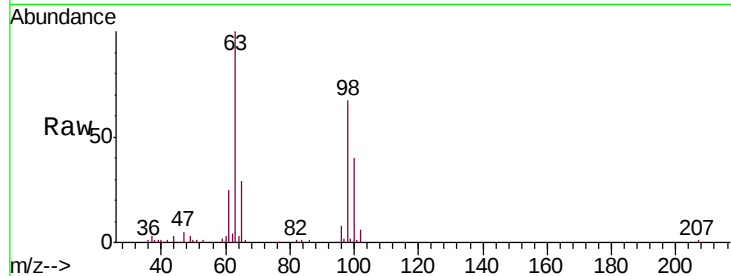




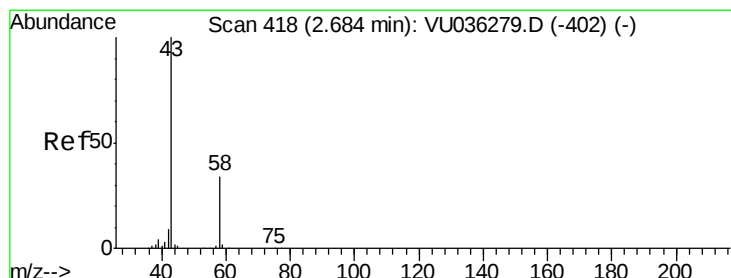
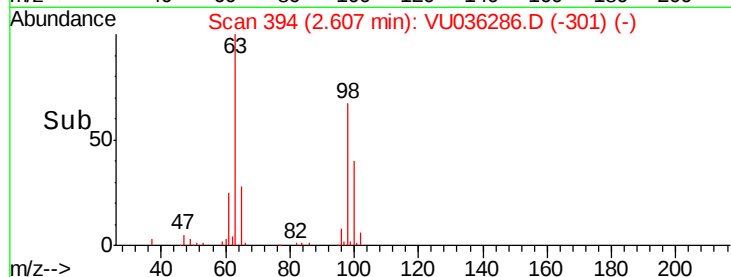
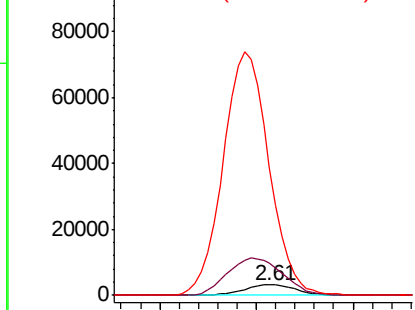
#12
 1,1-Dichloroethene
 Concen: 0.327 ug/L
 RT: 2.61 min Scan# 394
 Delta R.T. -0.00 min
 Lab File: VU036286.D
 Acq: 19 Dec 2019 16:35

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDW1

Tgt Ion: 96 Resp: 5934
 Ion Ratio Lower Upper
 96 100
 61 322.1 114.0 211.8#
 63 1264.1 63.6 118.0#

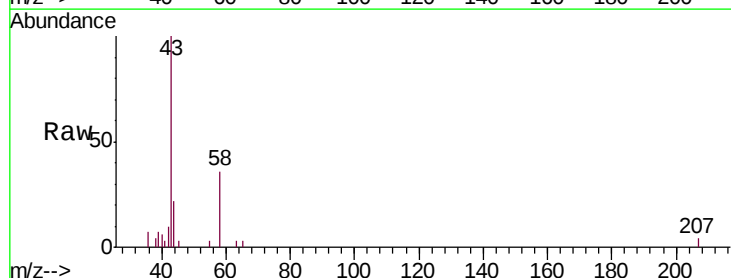


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 63.00 (62.70 to 63.70): VU0

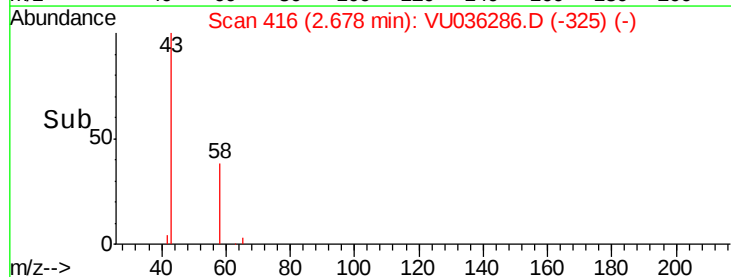
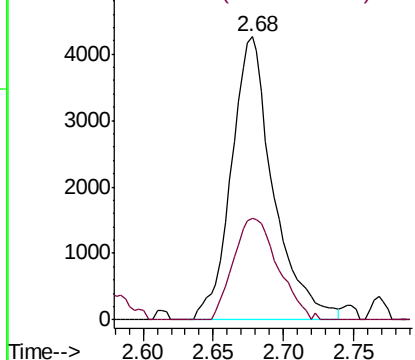


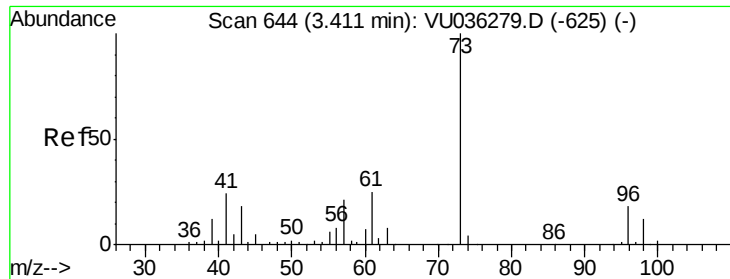
#13
 Acetone
 Concen: 2.526 ug/L
 RT: 2.68 min Scan# 416
 Delta R.T. -0.01 min
 Lab File: VU036286.D
 Acq: 19 Dec 2019 16:35

Tgt Ion: 43 Resp: 8879
 Ion Ratio Lower Upper
 43 100
 58 38.1 0.0 67.6



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 58.05 (57.75 to 58.75): VU0

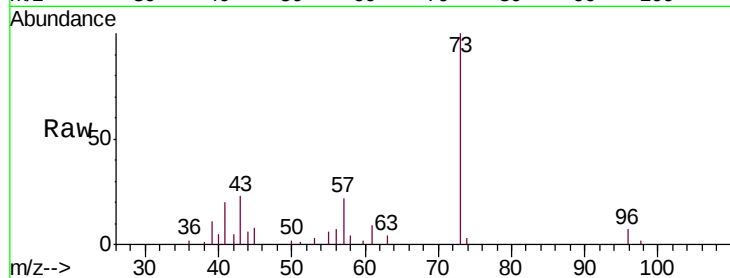




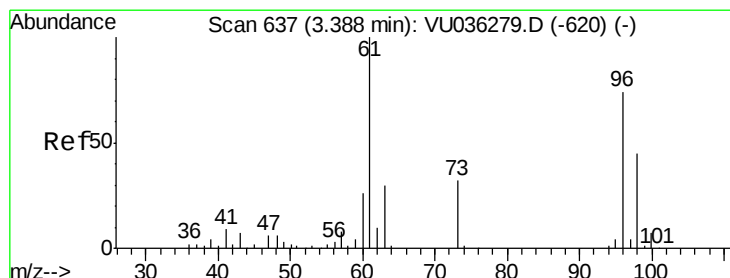
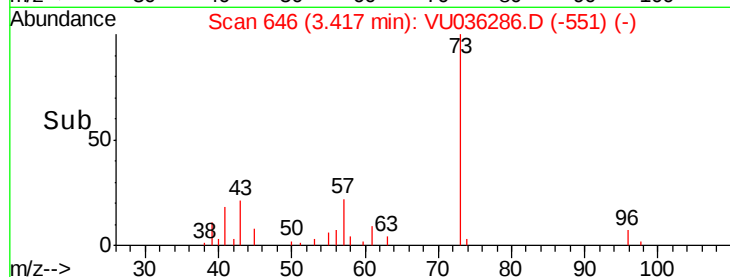
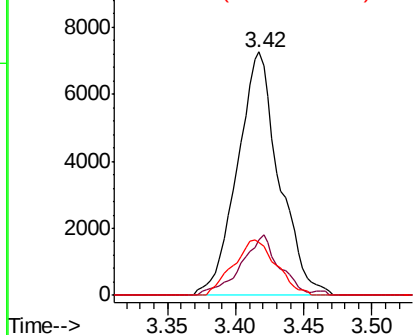
#17
Methyl tert-butyl Ether
Concen: 0.398 ug/L
RT: 3.42 min Scan# 646
Delta R.T. 0.01 min
Lab File: VU036286.D
Acq: 19 Dec 2019 16:35

Instrument :
MSVOA_U
ClientSampleId :
BFDW1

Tgt Ion: 73 Resp: 15452
Ion Ratio Lower Upper
73 100
43 22.8 15.3 22.9
57 23.3 18.2 27.2

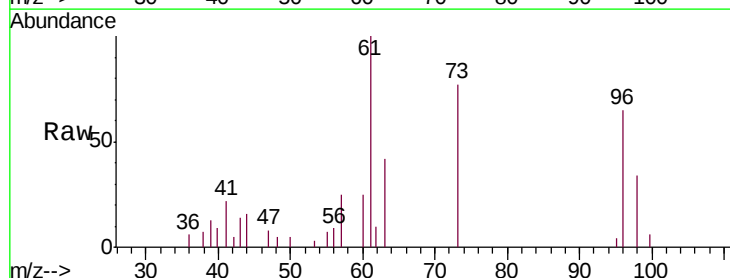


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

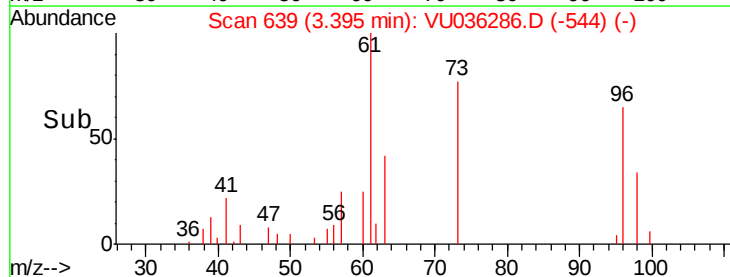
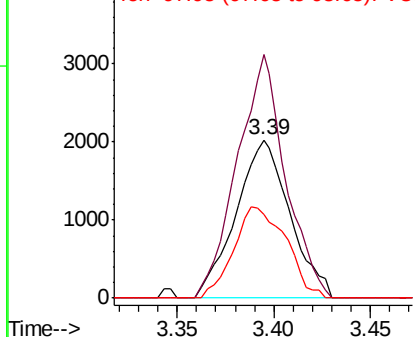


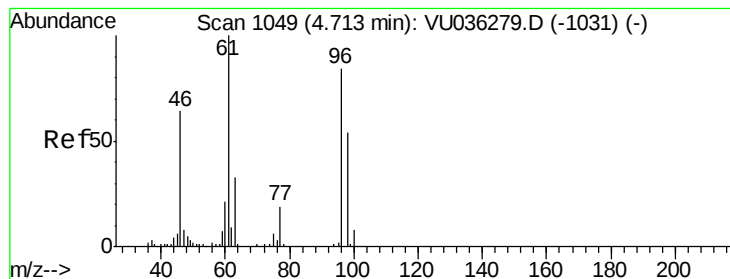
#18
trans-1,2-Dichloroethene
Concen: 0.207 ug/L
RT: 3.39 min Scan# 639
Delta R.T. 0.01 min
Lab File: VU036286.D
Acq: 19 Dec 2019 16:35

Tgt Ion: 96 Resp: 3934
Ion Ratio Lower Upper
96 100
61 154.3 94.8 176.2
98 52.6 46.8 86.8



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#22

cis-1,2-Dichloroethene

Concen: 6.795 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU036286.D

Acq: 19 Dec 2019 16:35

Instrument :

MSVOA_U

ClientSampleId :

BFDW1

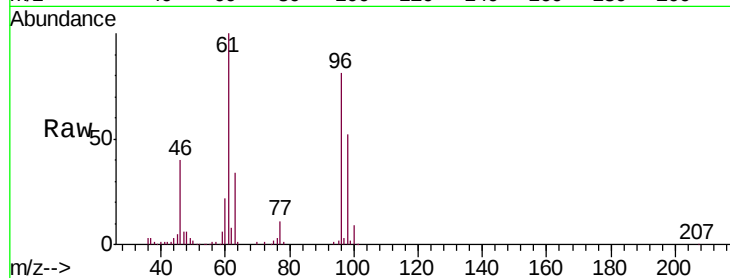
Tgt Ion: 96 Resp: 138449

Ion Ratio Lower Upper

96 100

61 122.8 86.7 161.1

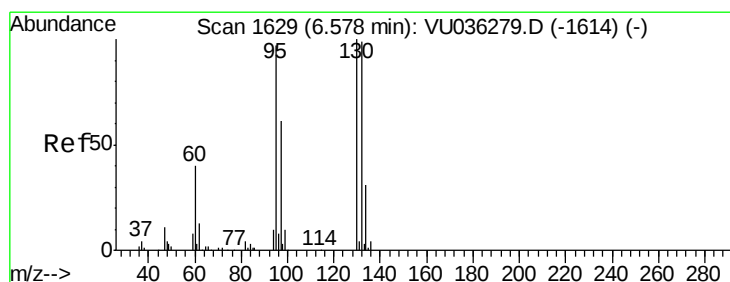
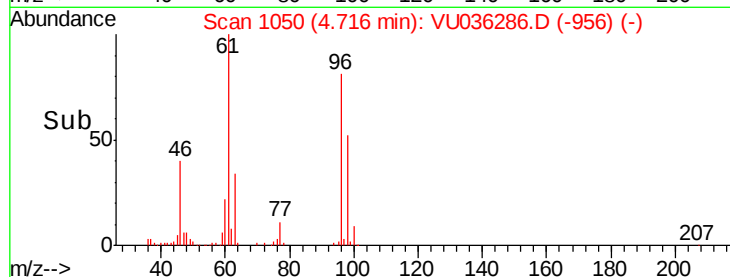
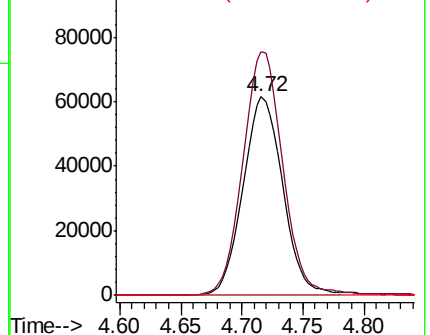
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036286.D (-956) (-)

Ion 61.05 (60.75 to 61.75): VU036286.D (-956) (-)

Ion 68.15 (67.85 to 68.85): VU036286.D (-956) (-)



#34

Trichloroethene

Concen: 30.988 ug/L

RT: 6.58 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VU036286.D

Acq: 19 Dec 2019 16:35

Tgt Ion: 95 Resp: 663803

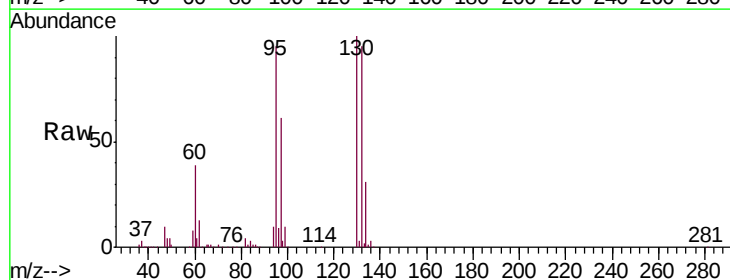
Ion Ratio Lower Upper

95 100

97 63.5 43.6 81.0

132 99.1 69.6 129.2

130 104.8 70.3 130.7

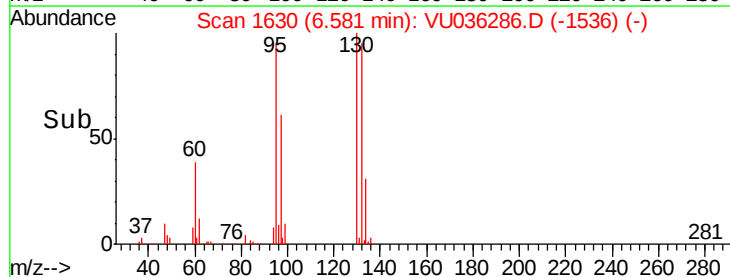
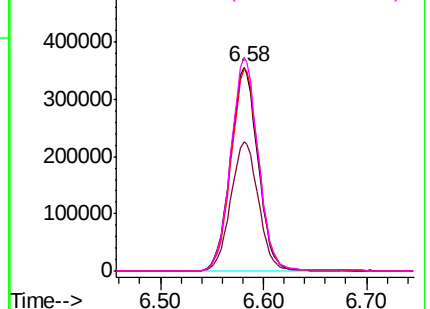


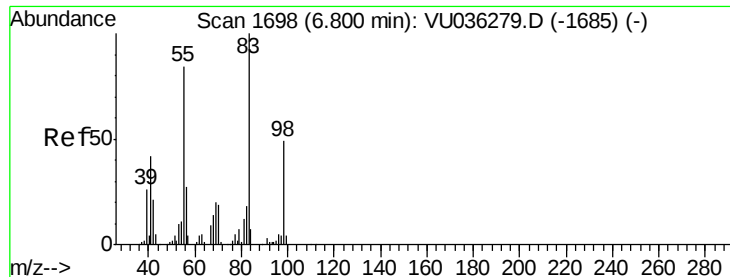
Abundance Ion 95.00 (94.70 to 95.70): VU036286.D (-1536) (-)

Ion 96.95 (96.65 to 97.65): VU036286.D (-1536) (-)

Ion 131.95 (131.65 to 132.65): VU036286.D (-1536) (-)

Ion 129.95 (129.65 to 130.65): VU036286.D (-1536) (-)





#35

Methylcyclohexane

Concen: 0.870 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.07 min

Lab File: VU036286.D

Acq: 19 Dec 2019 16:35

Instrument :

MSVOA_U

ClientSampleId :

BFDW1

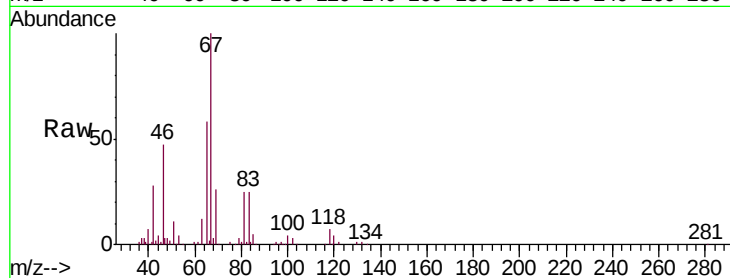
Tgt Ion: 83 Resp: 26496

Ion Ratio Lower Upper

83 100

55 0.5 62.6 94.0#

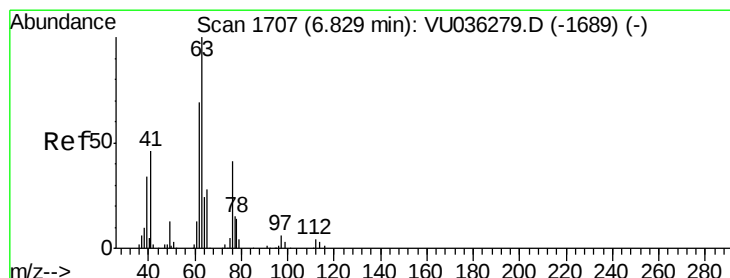
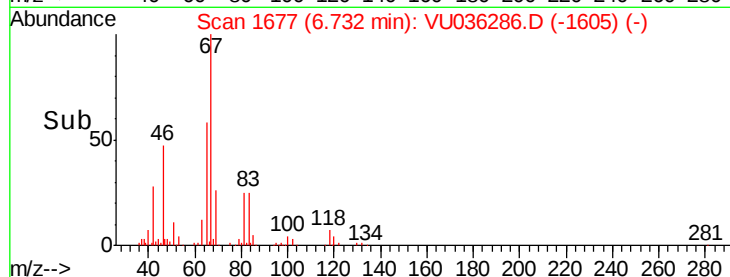
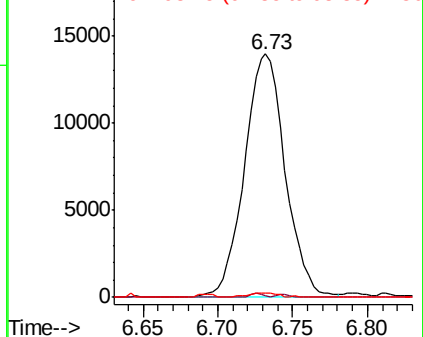
98 0.0 36.2 54.2#



Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0



#37

1,2-Dichloropropane

Concen: 0.573 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.10 min

Lab File: VU036286.D

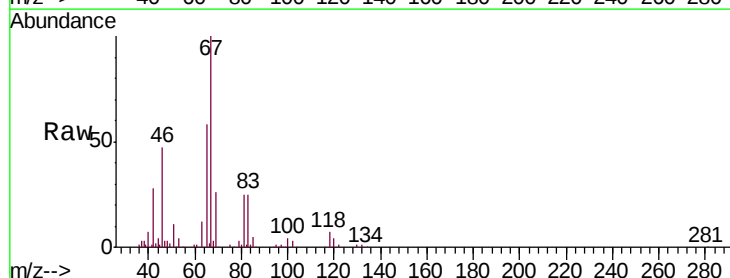
Acq: 19 Dec 2019 16:35

Tgt Ion: 63 Resp: 12144

Ion Ratio Lower Upper

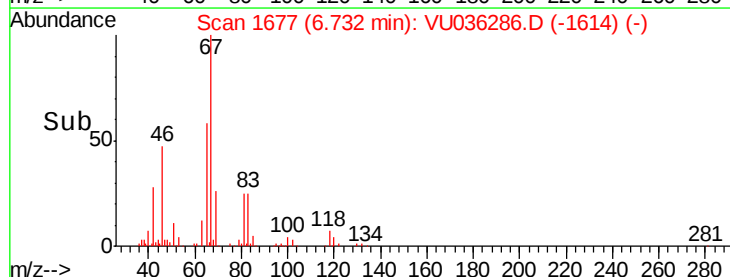
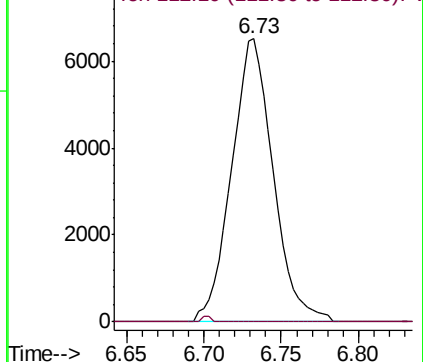
63 100

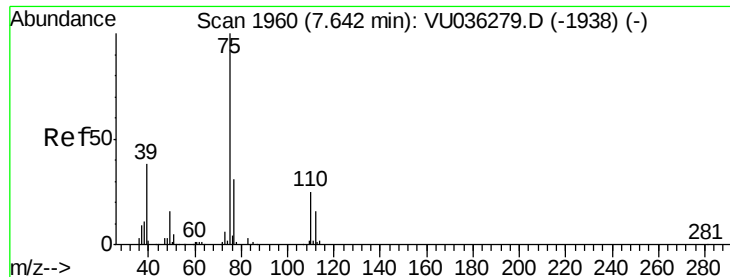
112 0.4 3.8 5.8#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V





#39

cis-1,3-Dichloropropene

Concen: 0.093 ug/L

RT: 7.60 min Scan# 1948

Delta R.T. -0.04 min

Lab File: VU036286.D

Acq: 19 Dec 2019 16:35

Instrument :

MSVOA_U

ClientSampleId :

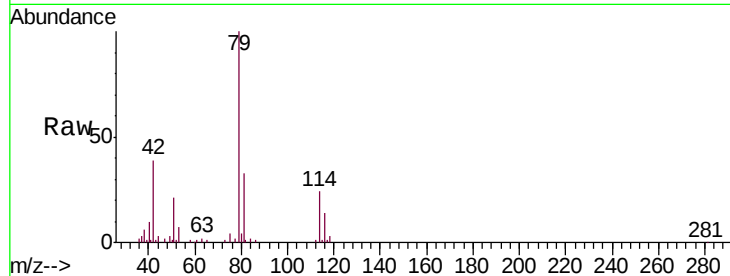
BFDW1

Tgt Ion: 75 Resp: 2683

Ion Ratio Lower Upper

75 100

77 56.7 22.7 42.1#



Abundance Ion 75.05 (74.75 to 75.75): VU036279.D (-1938) (-)

Ion 77.05 (76.75 to 77.75): VU036279.D (-1938) (-)

7.60

1500

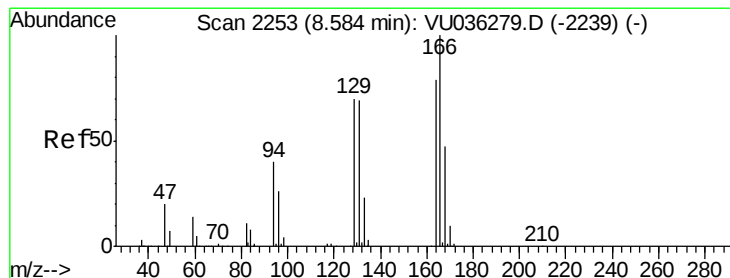
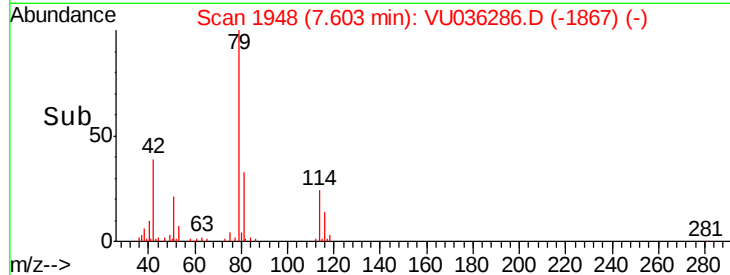
1000

500

0

7.55 7.60 7.65

Time-->



#47

Tetrachloroethene

Concen: 0.120 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VU036286.D

Acq: 19 Dec 2019 16:35

Tgt Ion: 164 Resp: 2320

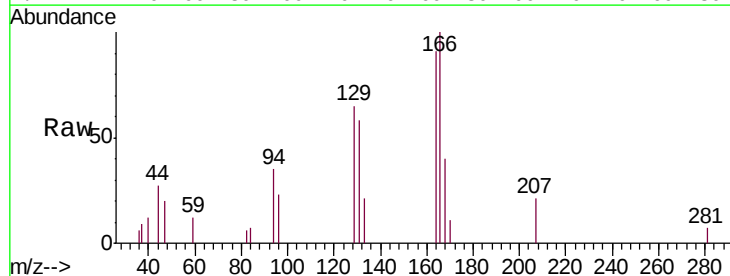
Ion Ratio Lower Upper

164 100

129 71.8 64.2 119.2

131 64.5 66.6 123.8#

166 110.4 93.1 172.9



Abundance Ion 163.90 (163.60 to 164.60): VU036279.D (-2239) (-)

Ion 128.95 (128.65 to 129.65): VU036279.D (-2239) (-)

Ion 130.95 (130.65 to 131.65): VU036279.D (-2239) (-)

Ion 165.90 (165.60 to 166.60): VU036279.D (-2239) (-)

2500

2000

1500

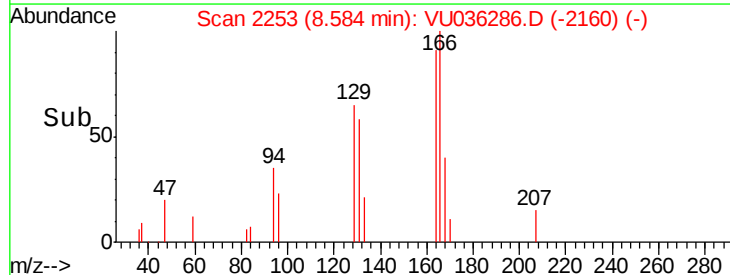
1000

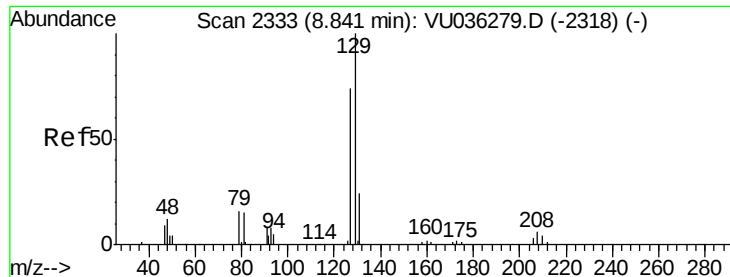
500

0

8.55 8.60

Time-->





#49

Dibromochloromethane

Concen: 0.094 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. -0.26 min

Lab File: VU036286.D

Acq: 19 Dec 2019 16:35

Instrument :

MSVOA_U

ClientSampleId :

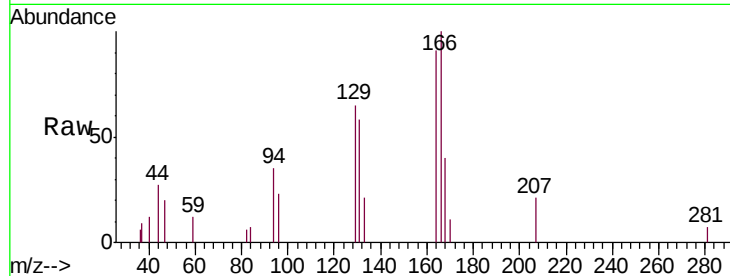
BFDW1

Tgt Ion: 129 Resp: 1839

Ion Ratio Lower Upper

129 100

127 0.0 52.6 97.6#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.58

1000

800

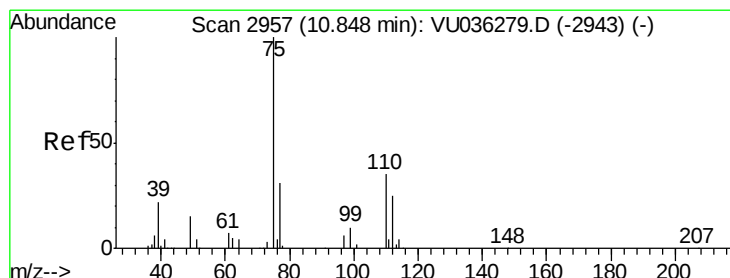
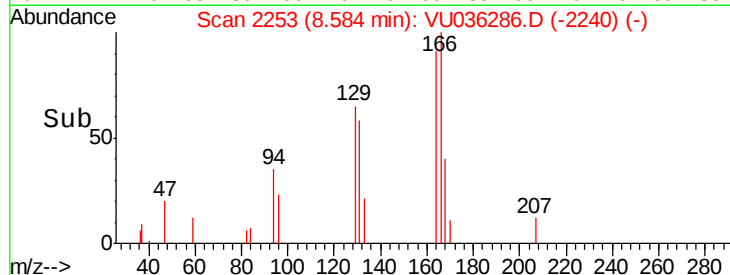
600

400

200

0

Time-->



#59

1,2,3-Trichloropropane

Concen: 0.880 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 0.98 min

Lab File: VU036286.D

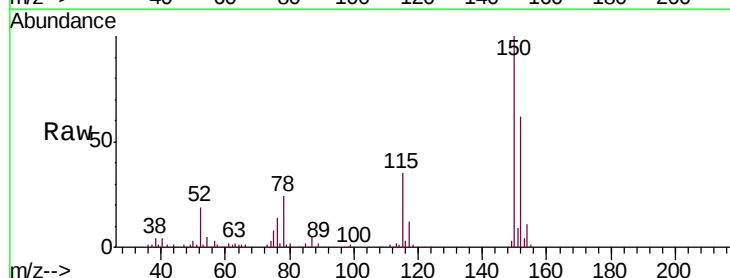
Acq: 19 Dec 2019 16:35

Tgt Ion: 75 Resp: 12404

Ion Ratio Lower Upper

75 100

77 32.2 27.2 40.8



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.83

8000

6000

4000

2000

0

Time-->

