

Data File : VU036287.D
Acq On : 19 Dec 2019 16:59
Operator : JC/MD
Sample : K6282-06
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDW2

Quant Time: Dec 20 03:17:31 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	258892	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.45	117	283290	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.84	152	88802	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.62	65	114490	5.02	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	100.40%
7) Chloroethane-d5	1.93	69	106010	5.19	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.80%
11) 1,1-Dichloroethene-d2	2.60	63	118936	3.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.40%
20) 2-Butanone-d5	4.68	46	187020	43.79	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	87.58%
24) Chloroform-d	5.11	84	169540	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.40%
26) 1,2-Dichloroethane-d4	5.75	65	91258	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.80%
32) Benzene-d6	5.77	84	326596	4.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
36) 1,2-Dichloropropane-d6	6.73	67	106873	4.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.40%
41) Toluene-d8	7.93	98	265386	3.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.20%
43) trans-1,3-Dichloropropene-	8.21	79	39374	4.27	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.40%
46) 2-Hexanone-d5	8.68	63	160124	45.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.72%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	91137	4.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.80%
64) 1,2-Dichlorobenzene-d4	12.22	152	81371	4.79	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.80%

Target Compounds

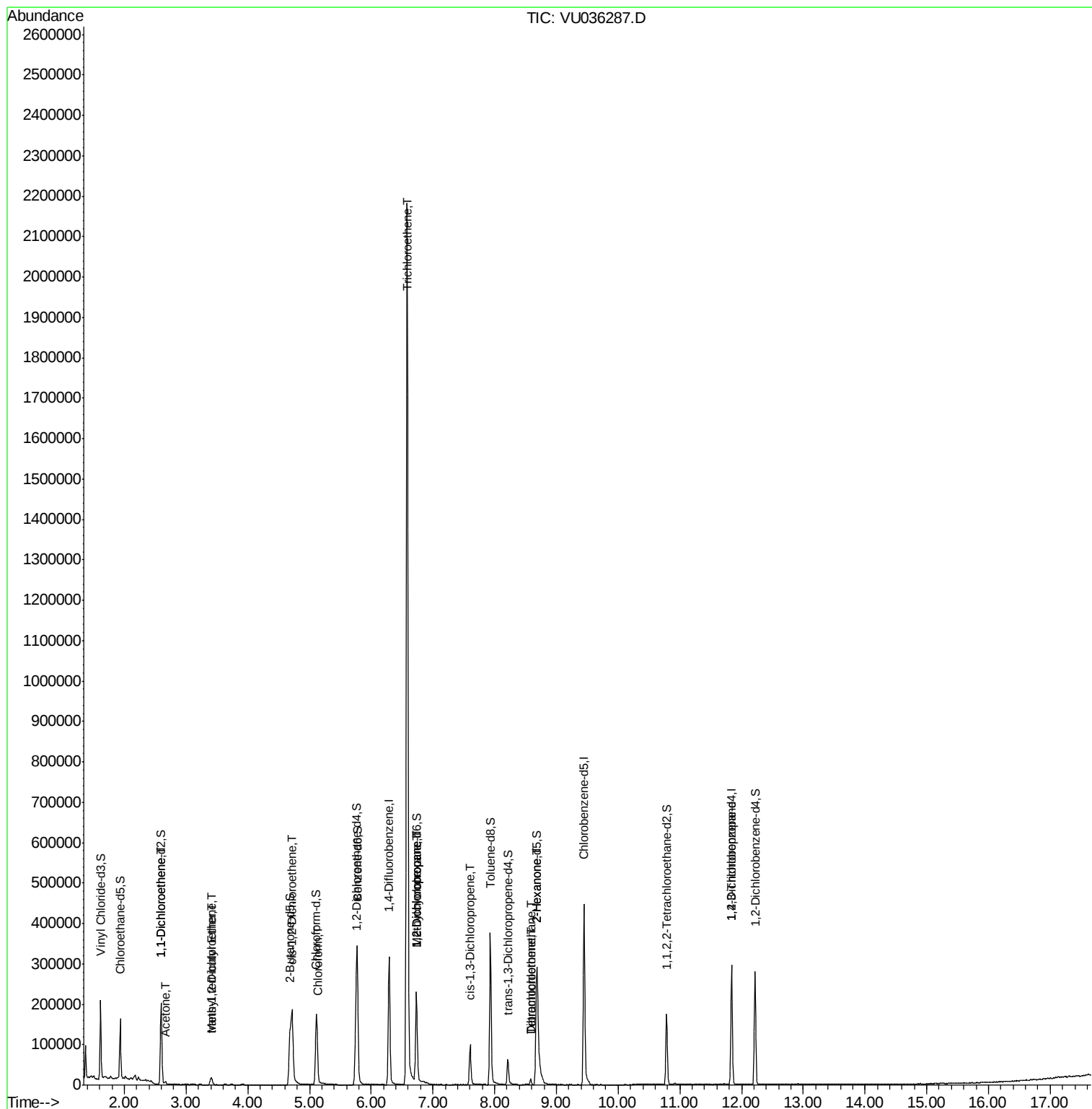
					Qvalue
12) 1,1-Dichloroethene	2.61	96	5124	0.267 ug/L #	1
13) Acetone	2.66	43	6842	1.838 ug/L	98
17) Methyl tert-butyl Ether	3.41	73	13408	0.326 ug/L	99
18) trans-1,2-Dichloroethene	3.40	96	3831	0.190 ug/L	98
22) cis-1,2-Dichloroethene	4.72	96	84607	3.921 ug/L	99
25) Chloroform	5.14	83	6745	0.168 ug/L	93
34) Trichloroethene	6.58	95	751882	33.498 ug/L	98
35) Methylcyclohexane	6.73	83	26104	0.818 ug/L #	18
37) 1,2-Dichloropropane	6.73	63	10721	0.483 ug/L #	87
39) cis-1,3-Dichloropropene	7.60	75	2785	0.092 ug/L #	45
47) Tetrachloroethene	8.59	164	3467	0.171 ug/L	74
48) 2-Hexanone	8.68	43	24709	2.850 ug/L #	65
49) Dibromochloromethane	8.58	129	2984	0.145 ug/L #	12
59) 1,2,3-Trichloropropane	11.84	75	10013	0.678 ug/L	88

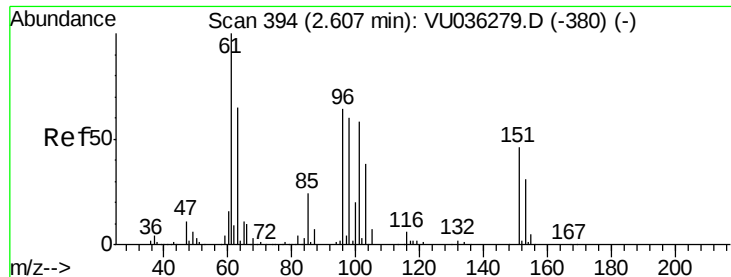
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.267 ug/L

RT: 2.61 min Scan# 394

Delta R.T. -0.00 min

Lab File: VU036287.D

Acq: 19 Dec 2019 16:59

Instrument :

MSVOA_U

ClientSampleId :

BFDW2

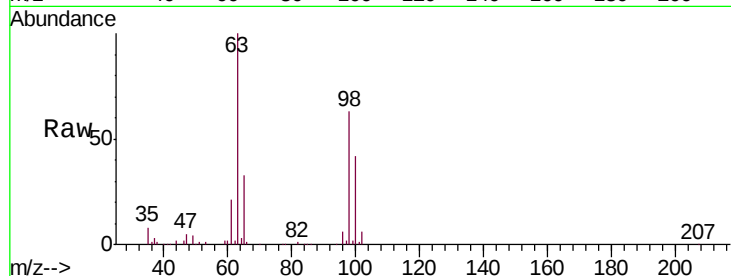
Tgt Ion: 96 Resp: 5124

Ion Ratio Lower Upper

96 100

61 344.7 114.0 211.8#

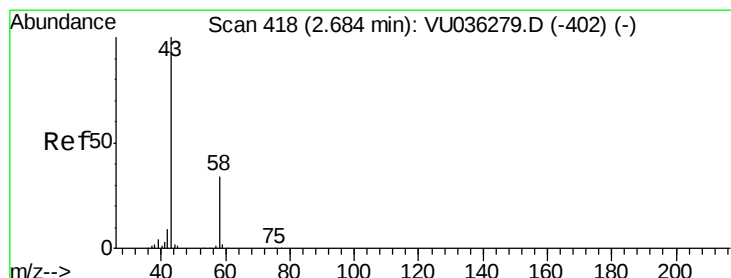
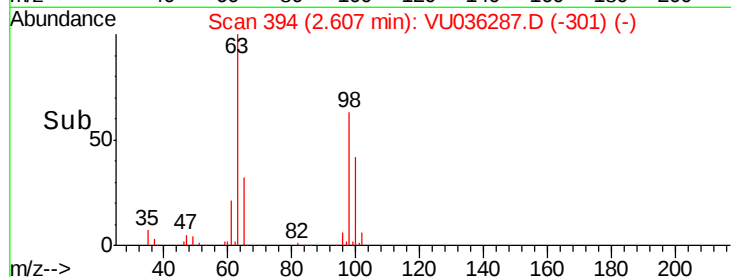
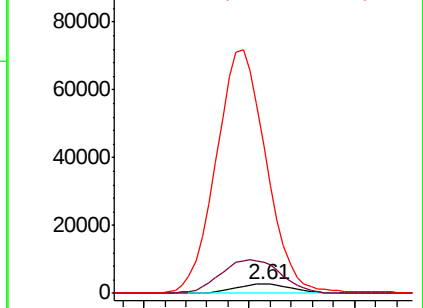
63 1622.9 63.6 118.0#



Abundance Ion 96.00 (95.70 to 96.70): VU036287.D (-301) (-)

Ion 61.05 (60.75 to 61.75): VU036287.D (-301) (-)

Ion 63.00 (62.70 to 63.70): VU036287.D (-301) (-)



#13

Acetone

Concen: 1.838 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.02 min

Lab File: VU036287.D

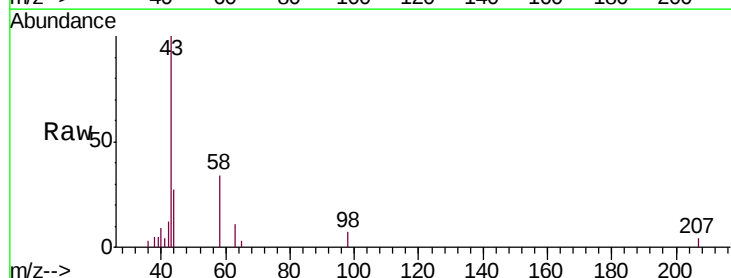
Acq: 19 Dec 2019 16:59

Tgt Ion: 43 Resp: 6842

Ion Ratio Lower Upper

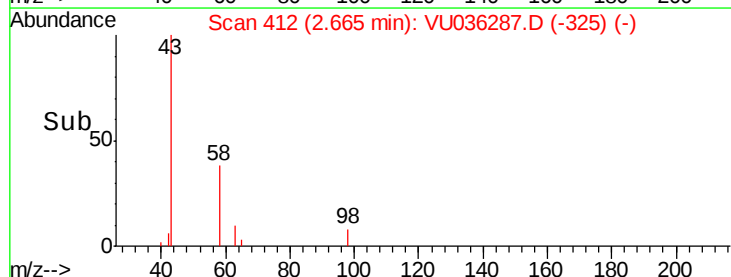
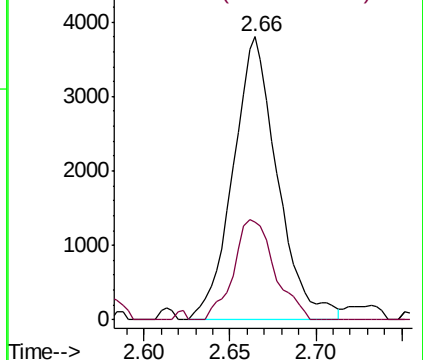
43 100

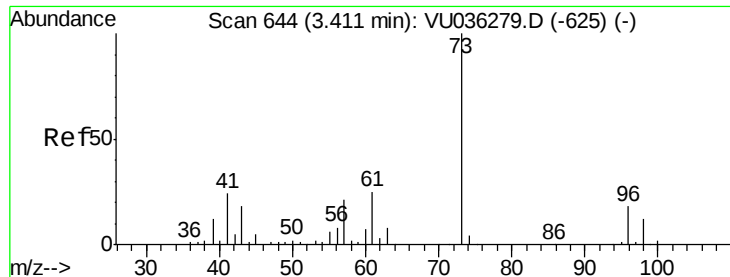
58 32.5 0.0 67.6



Abundance Ion 43.05 (42.75 to 43.75): VU036287.D (-325) (-)

Ion 58.05 (57.75 to 58.75): VU036287.D (-325) (-)





#17

Methyl tert-butyl Ether

Concen: 0.326 ug/L

RT: 3.41 min Scan# 645

Delta R.T. 0.00 min

Lab File: VU036287.D

Acq: 19 Dec 2019 16:59

Instrument :

MSVOA_U

ClientSampleId :

BFDW2

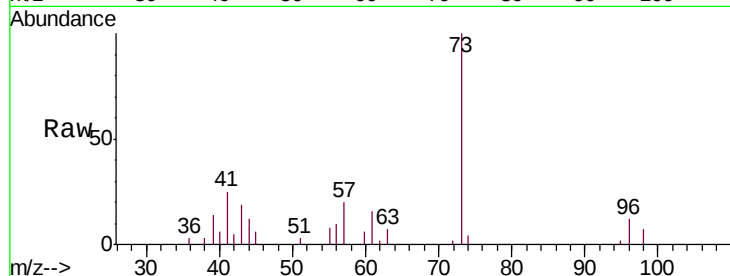
Tgt Ion: 73 Resp: 13408

Ion Ratio Lower Upper

73 100

43 18.6 15.3 22.9

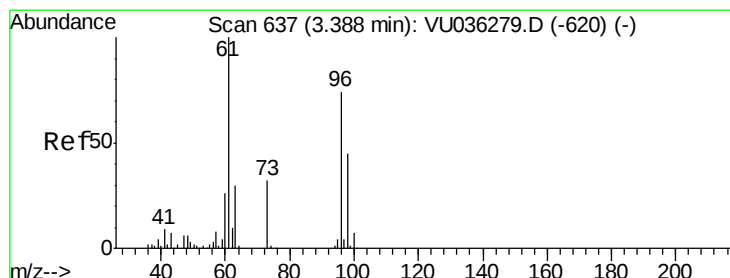
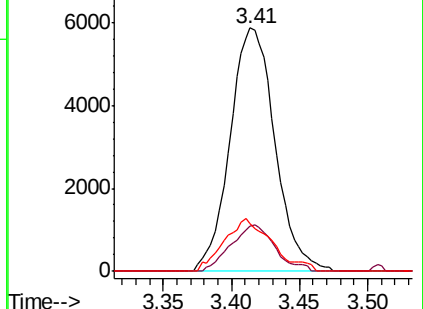
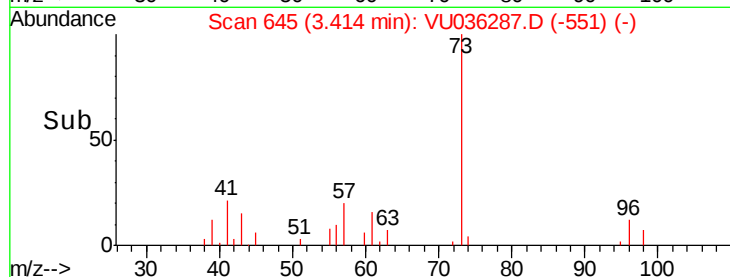
57 23.0 18.2 27.2



Abundance Ion 73.10 (72.80 to 73.80): VU036287.D (-551) (-)

Ion 43.05 (42.75 to 43.75): VU036287.D (-551) (-)

Ion 57.10 (56.80 to 57.80): VU036287.D (-551) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.190 ug/L

RT: 3.40 min Scan# 640

Delta R.T. 0.01 min

Lab File: VU036287.D

Acq: 19 Dec 2019 16:59

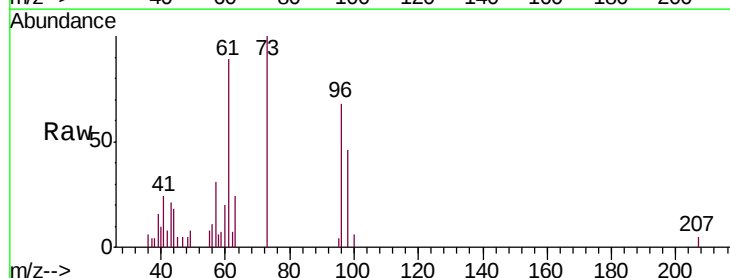
Tgt Ion: 96 Resp: 3831

Ion Ratio Lower Upper

96 100

61 131.4 94.8 176.2

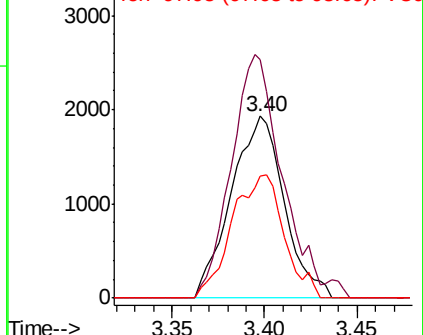
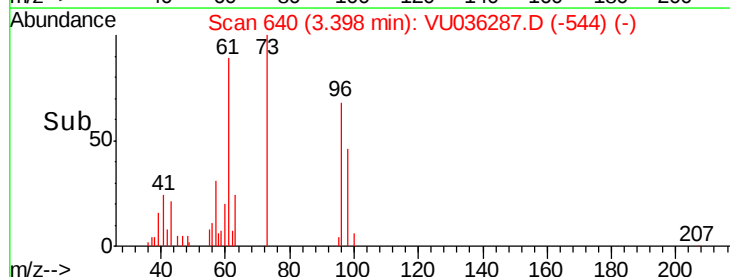
98 67.1 46.8 86.8

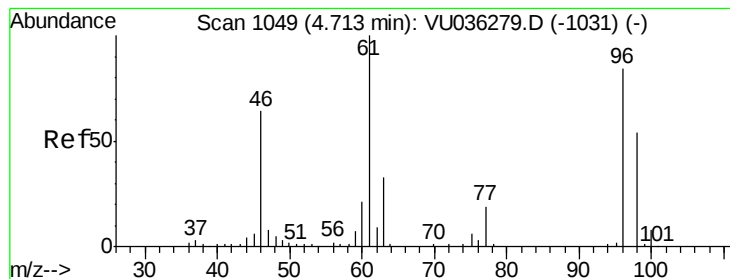


Abundance Ion 96.00 (95.70 to 96.70): VU036287.D (-544) (-)

Ion 61.05 (60.75 to 61.75): VU036287.D (-544) (-)

Ion 97.95 (97.65 to 98.65): VU036287.D (-544) (-)





#22

cis-1,2-Dichloroethene

Concen: 3.921 ug/L

RT: 4.72 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VU036287.D

Acq: 19 Dec 2019 16:59

Instrument :

MSVOA_U

ClientSampleId :

BFDW2

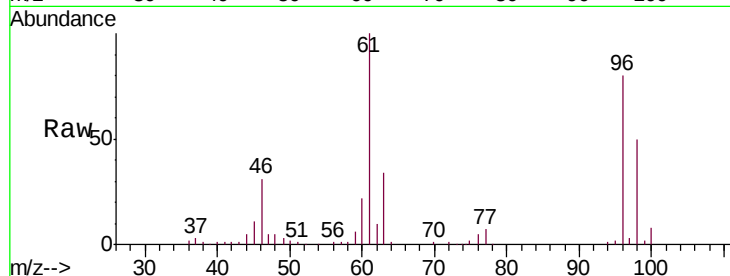
Tgt Ion: 96 Resp: 84607

Ion Ratio Lower Upper

96 100

61 125.3 86.7 161.1

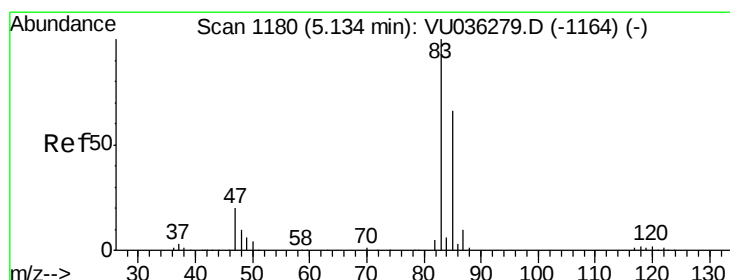
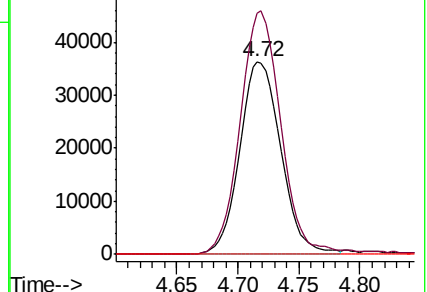
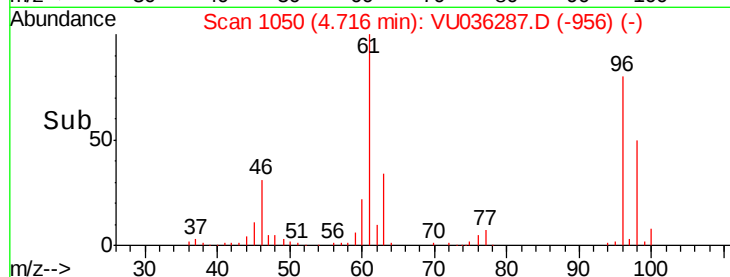
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU036287.D (-956) (-)

Ion 61.05 (60.75 to 61.75): VU036287.D (-956) (-)

Ion 68.15 (67.85 to 68.85): VU036287.D (-956) (-)



#25

Chloroform

Concen: 0.168 ug/L

RT: 5.14 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VU036287.D

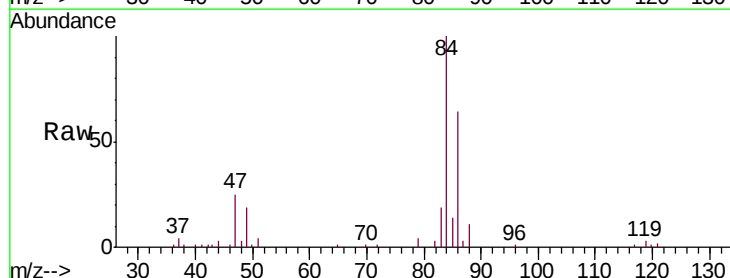
Acq: 19 Dec 2019 16:59

Tgt Ion: 83 Resp: 6745

Ion Ratio Lower Upper

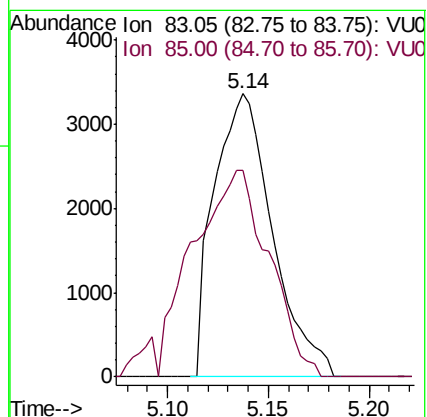
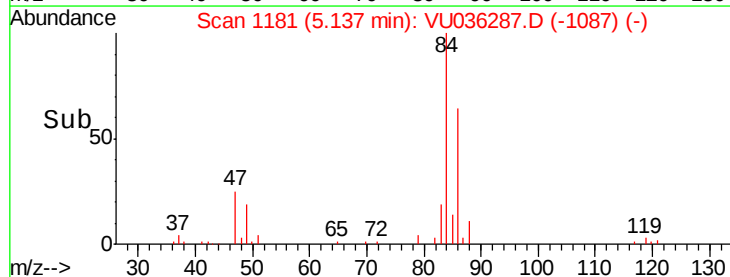
83 100

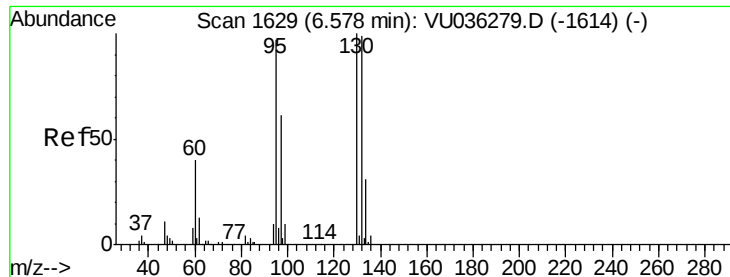
85 73.2 47.5 88.1



Abundance Ion 83.05 (82.75 to 83.75): VU036287.D (-1087) (-)

Ion 85.00 (84.70 to 85.70): VU036287.D (-1087) (-)

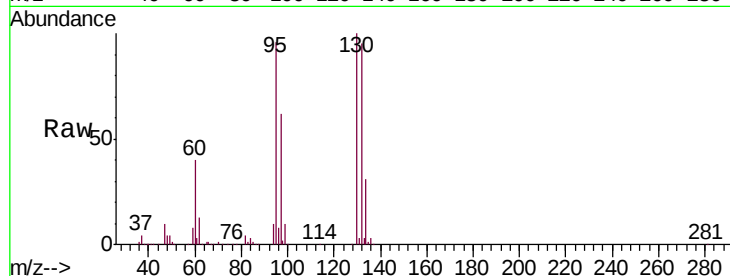




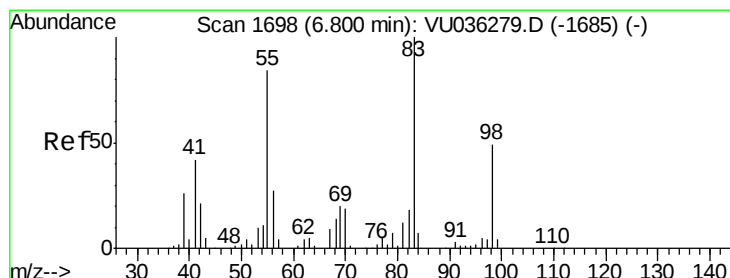
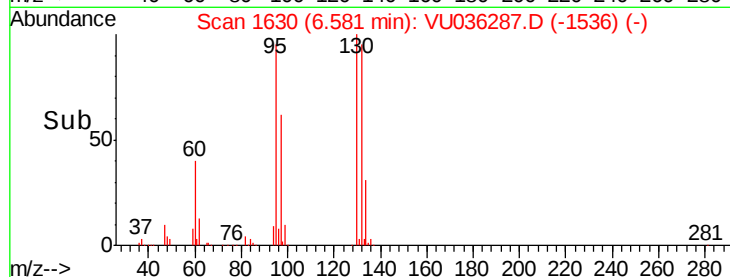
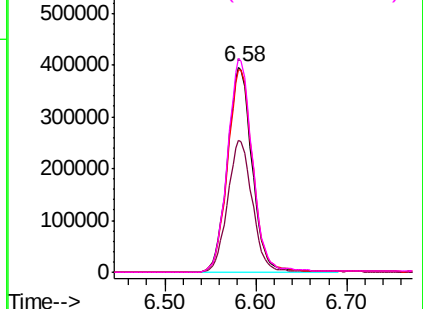
#34
 Trichloroethene
 Concen: 33.498 ug/L
 RT: 6.58 min Scan# 1630
 Delta R.T. 0.00 min
 Lab File: VU036287.D
 Acq: 19 Dec 2019 16:59

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDW2

Tgt Ion: 95 Resp: 751882
 Ion Ratio Lower Upper
 95 100
 97 64.2 43.6 81.0
 132 98.7 69.6 129.2
 130 104.1 70.3 130.7

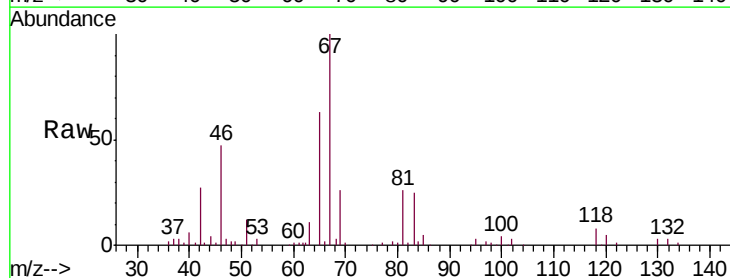


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

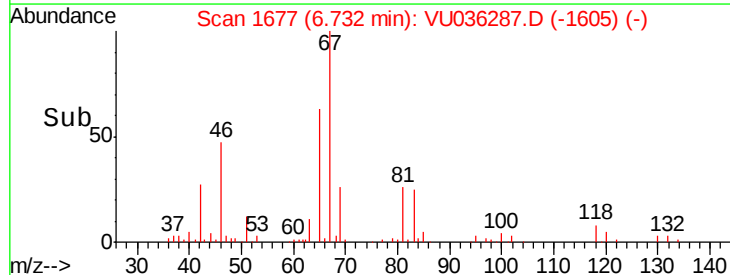
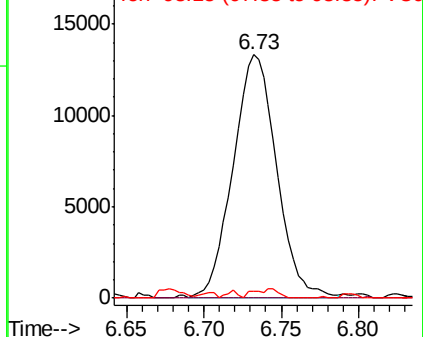


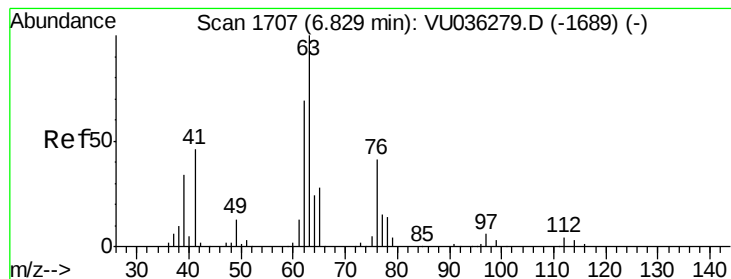
#35
 Methylcyclohexane
 Concen: 0.818 ug/L
 RT: 6.73 min Scan# 1677
 Delta R.T. -0.07 min
 Lab File: VU036287.D
 Acq: 19 Dec 2019 16:59

Tgt Ion: 83 Resp: 26104
 Ion Ratio Lower Upper
 83 100
 55 0.1 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: 0.483 ug/L

RT: 6.73 min Scan# 1677

Delta R.T. -0.10 min

Lab File: VU036287.D

Acq: 19 Dec 2019 16:59

Instrument :

MSVOA_U

ClientSampleId :

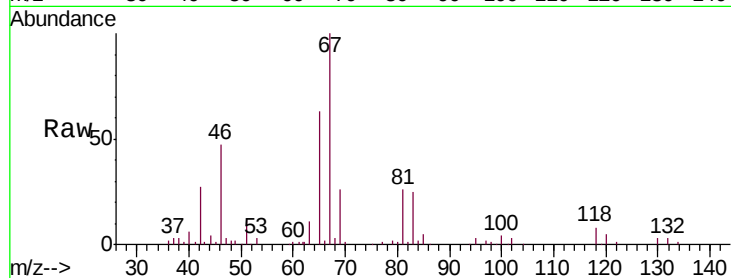
BFDW2

Tgt Ion: 63 Resp: 10721

Ion Ratio Lower Upper

63 100

112 0.4 3.8 5.8#



Abundance Ion 63.10 (62.80 to 63.80): VU036287.D (-1677) (-)

Ion 112.10 (111.80 to 112.80): VU036287.D (-1677) (-)

6.73

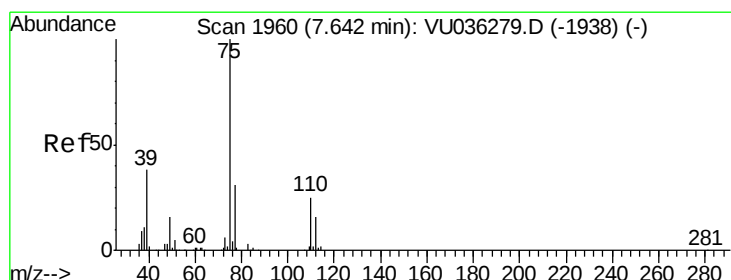
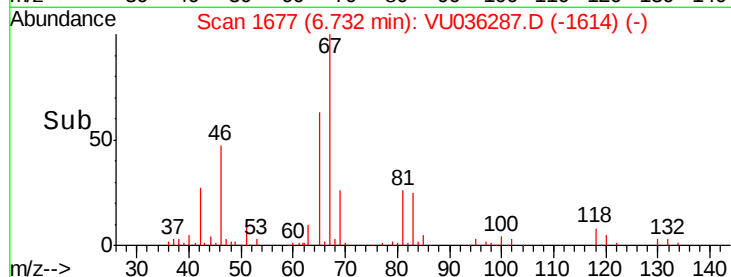
6000

4000

2000

0

6.65 6.70 6.75 6.80



#39

cis-1,3-Dichloropropene

Concen: 0.092 ug/L

RT: 7.60 min Scan# 1947

Delta R.T. -0.04 min

Lab File: VU036287.D

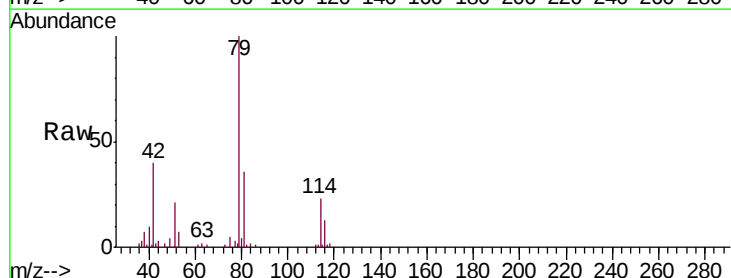
Acq: 19 Dec 2019 16:59

Tgt Ion: 75 Resp: 2785

Ion Ratio Lower Upper

75 100

77 63.5 22.7 42.1#



Abundance Ion 75.05 (74.75 to 75.75): VU036287.D (-1867) (-)

Ion 77.05 (76.75 to 77.75): VU036287.D (-1867) (-)

7.60

2000

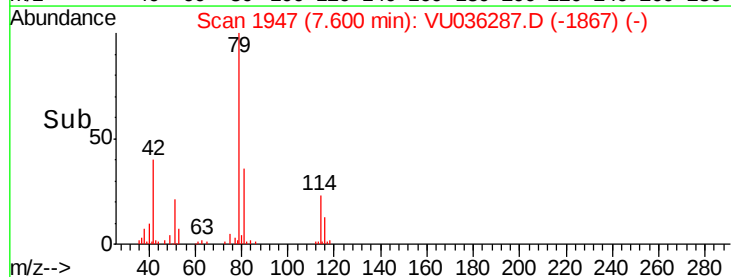
1500

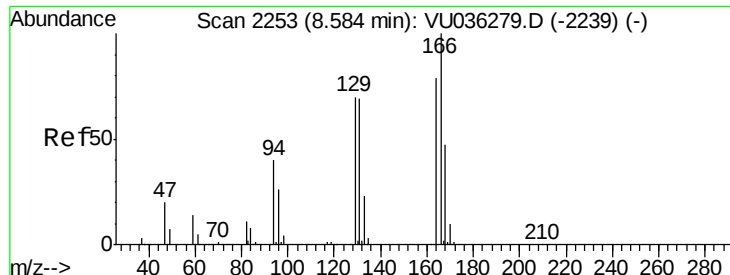
1000

500

0

7.55 7.60 7.65





#47

Tetrachloroethene

Concen: 0.171 ug/L

RT: 8.59 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VU036287.D

Acq: 19 Dec 2019 16:59

Instrument :

MSVOA_U

ClientSampleId :

BFDW2

Tgt Ion:164 Resp: 3467

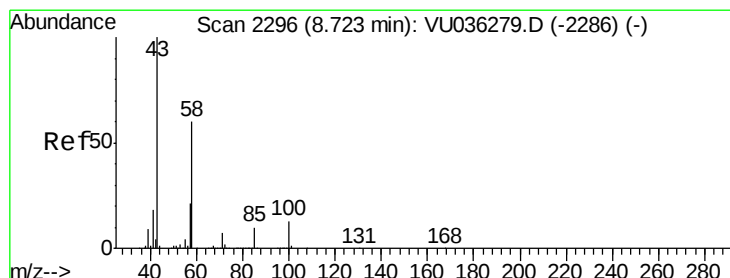
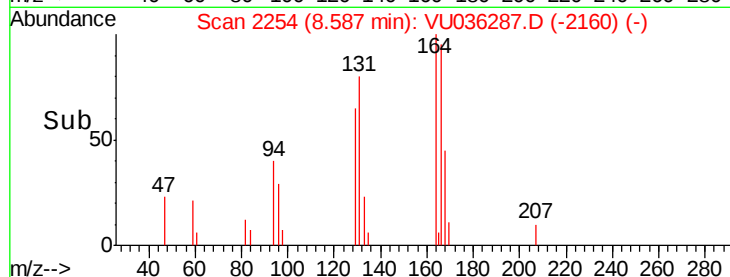
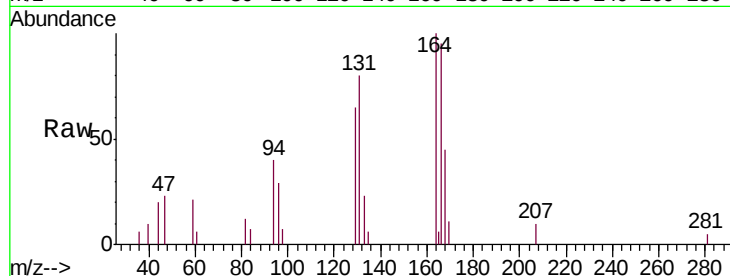
Ion Ratio Lower Upper

164 100

129 65.2 64.2 119.2

131 79.6 66.6 123.8

166 95.1 93.1 172.9



#48

2-Hexanone

Concen: 2.850 ug/L

RT: 8.68 min Scan# 2283

Delta R.T. -0.04 min

Lab File: VU036287.D

Acq: 19 Dec 2019 16:59

Tgt Ion: 43 Resp: 24709

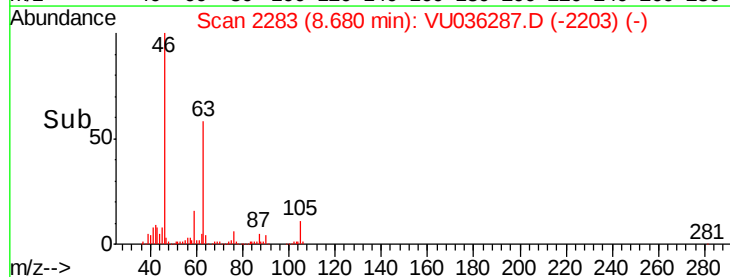
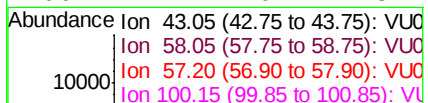
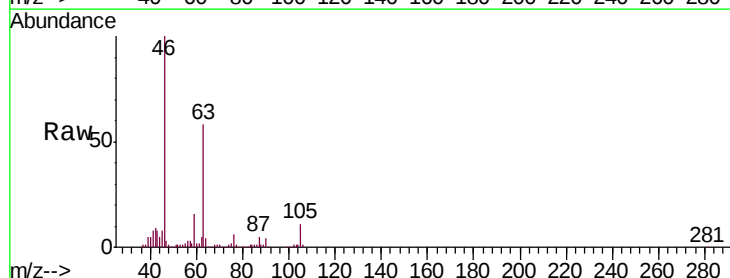
Ion Ratio Lower Upper

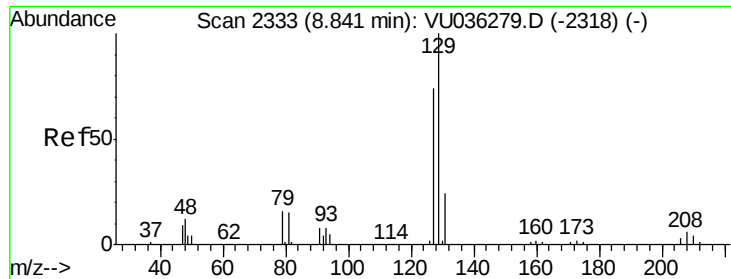
43 100

58 29.1 46.2 69.2#

57 33.1 16.2 24.4#

100 1.1 10.2 15.4#

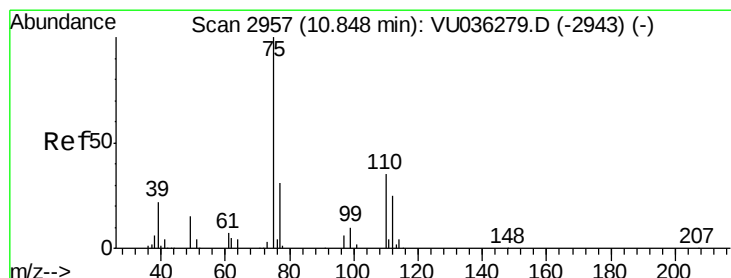
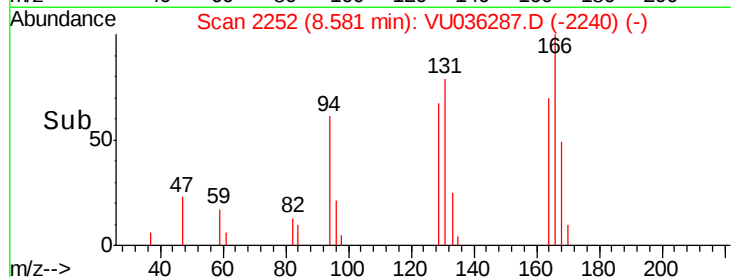
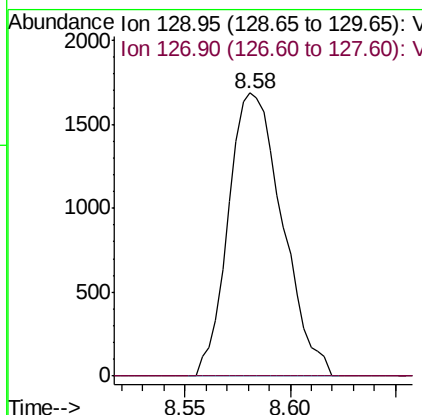
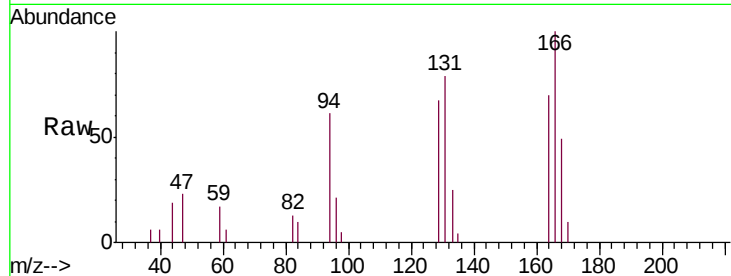




#49
 Dibromochloromethane
 Concen: 0.145 ug/L
 RT: 8.58 min Scan# 2252
 Delta R.T. -0.26 min
 Lab File: VU036287.D
 Acq: 19 Dec 2019 16:59

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDW2

Tgt Ion: 129 Resp: 2984
 Ion Ratio Lower Upper
 129 100
 127 0.0 52.6 97.6#



#59
 1,2,3-Trichloropropane
 Concen: 0.678 ug/L
 RT: 11.84 min Scan# 3266
 Delta R.T. 0.99 min
 Lab File: VU036287.D
 Acq: 19 Dec 2019 16:59

Tgt Ion: 75 Resp: 10013
 Ion Ratio Lower Upper
 75 100
 77 40.8 27.2 40.8

