

Data File : VU036292.D
Acq On : 19 Dec 2019 18:57
Operator : JC/MD
Sample : K6282-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDW7

Quant Time: Dec 20 03:18:42 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	6.30	114	216481	5.00	ug/L	0.01
28) Chlorobenzene-d5	9.45	117	248002	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	114448	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	116469	6.11	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	122.20%
7) Chloroethane-d5	1.93	69	98037	5.74	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	114.80%
11) 1,1-Dichloroethene-d2	2.59	63	142513	5.18	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	103.60%
20) 2-Butanone-d5	4.77	46	148443	41.56	ug/L	0.08
Spiked Amount	50.000	Range	40 - 130	Recovery	=	83.12%
24) Chloroform-d	5.12	84	155010	5.06	ug/L	0.01
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
26) 1,2-Dichloroethane-d4	5.77	65	76397	4.75	ug/L	0.02
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
32) Benzene-d6	5.78	84	285797	4.59	ug/L	0.02
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.80%
36) 1,2-Dichloropropane-d6	6.74	67	88582	4.51	ug/L	0.01
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.20%
41) Toluene-d8	7.93	98	232368	3.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.20%
43) trans-1,3-Dichloropropene-	8.22	79	37326	4.62	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.40%
46) 2-Hexanone-d5	8.69	63	147311	47.67	ug/L	0.02
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.34%
57) 1,1,2,2-Tetrachloroethane-	10.79	84	82618	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.00%
64) 1,2-Dichlorobenzene-d4	12.21	152	97588	4.45	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.00%

Target Compounds

					Qvalue	
5) Vinyl chloride	1.61	62	3575	0.124	ug/L #	23
9) Trichlorofluoromethane	2.16	101	6933	0.191	ug/L	90
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	1963	0.113	ug/L #	20
12) 1,1-Dichloroethene	2.60	96	10723	0.668	ug/L #	1
17) Methyl tert-butyl Ether	3.43	73	41522	1.206	ug/L	97
18) trans-1,2-Dichloroethene	3.38	96	10615	0.631	ug/L	97
19) 1,1-Dichloroethane	3.92	63	6848	0.221	ug/L #	87
22) cis-1,2-Dichloroethene	4.72	96	293337	16.258	ug/L	96
34) Trichloroethene	6.59	95	994147	50.593	ug/L	98
35) Methylcyclohexane	6.74	83	20949	0.750	ug/L #	18
42) Toluene	8.01	91	686699	8.406	ug/L	96
47) Tetrachloroethene	8.58	164	2552	0.144	ug/L	92
48) 2-Hexanone	8.74	43	8609	1.134	ug/L #	80
49) Dibromochloromethane	8.58	129	2630	0.146	ug/L #	12
59) 1,2,3-Trichloropropane	11.83	75	15906	1.231	ug/L	90
62) 1,3-Dichlorobenzene	11.86	146	13913	0.360	ug/L	96
63) 1,4-Dichlorobenzene	11.86	146	13913	0.363	ug/L	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU121919\
Quantitation Report (Not Reviewed)

Data File : VU036292.D
Acq On : 19 Dec 2019 18:57
Operator : JC/MD
Sample : K6282-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDW7

Quant Time: Dec 20 03:18:42 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

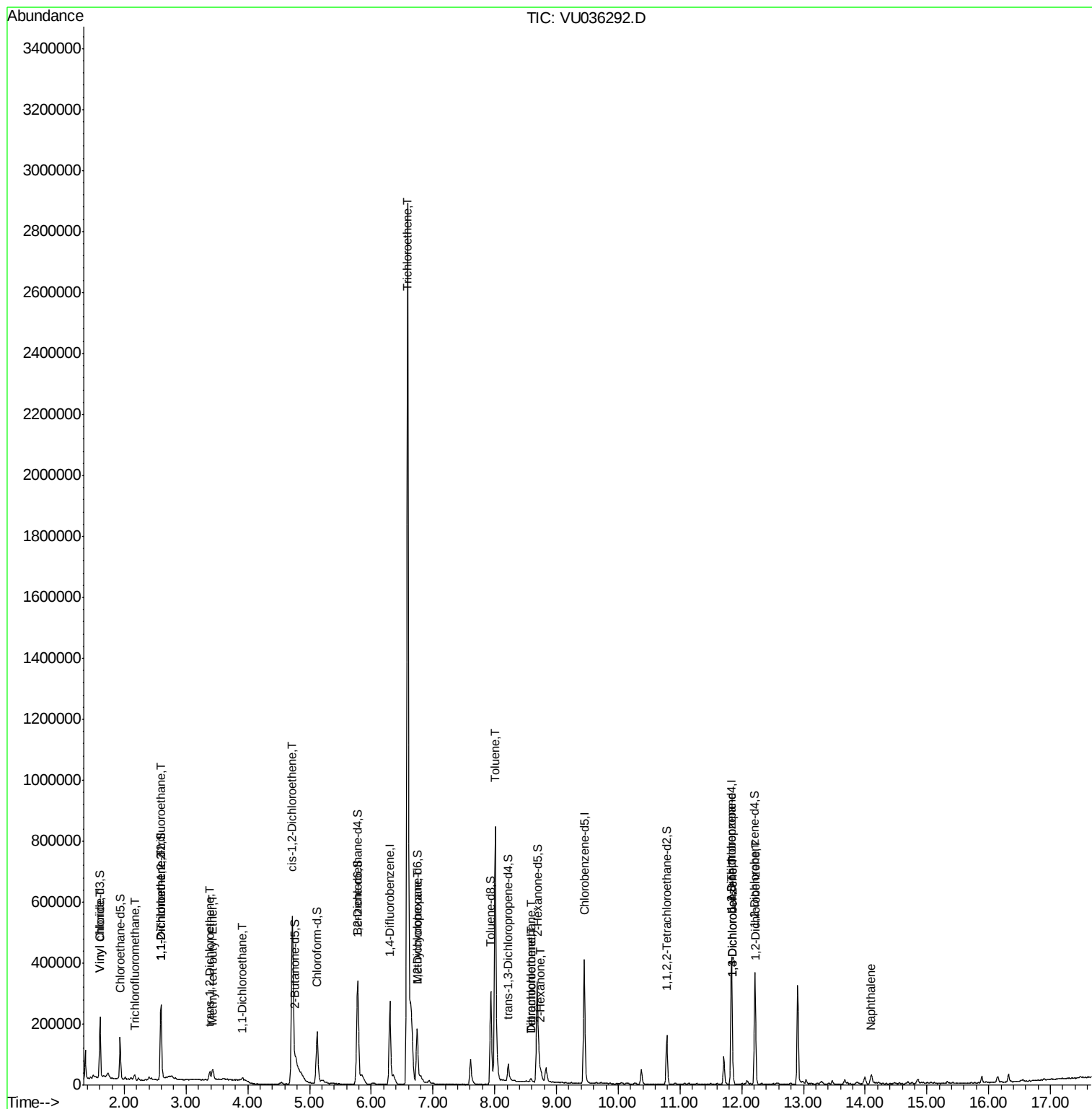
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,2-Dichlorobenzene	12.23	146	8492	0.231	ug/L	96
69) Naphthalene	14.10	128	15763	0.652	ug/L	98

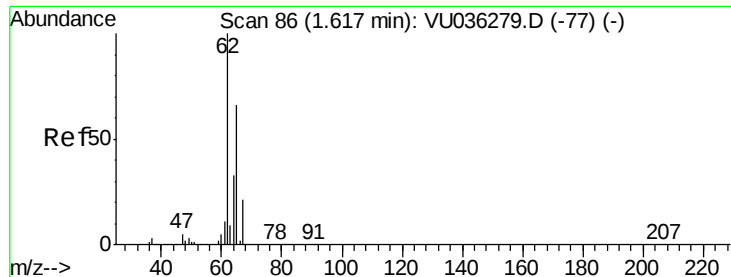
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VU036292.D
Acq On : 19 Dec 2019 18:57
Operator : JC/MD
Sample : K6282-11
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BFDW7

Quant Time: Dec 20 03:18:42 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





#5

Vinyl chloride

Concen: 0.124 ug/L

RT: 1.61 min Scan# 85

Delta R.T. -0.00 min

Lab File: VU036292.D

Acq: 19 Dec 2019 18:57

Instrument :

MSVOA_U

ClientSampleId :

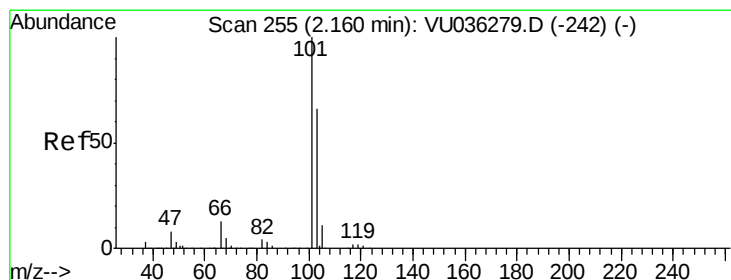
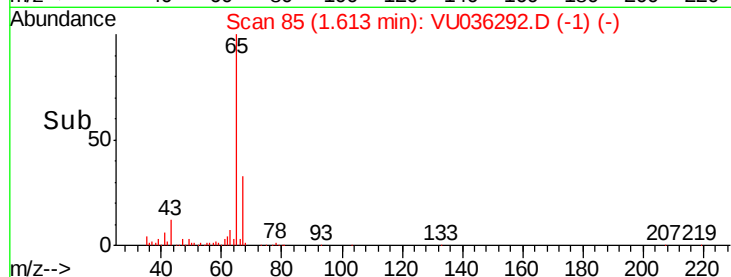
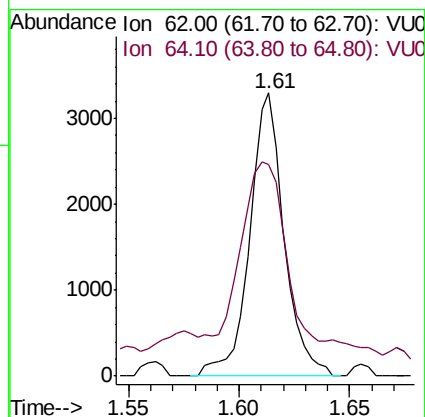
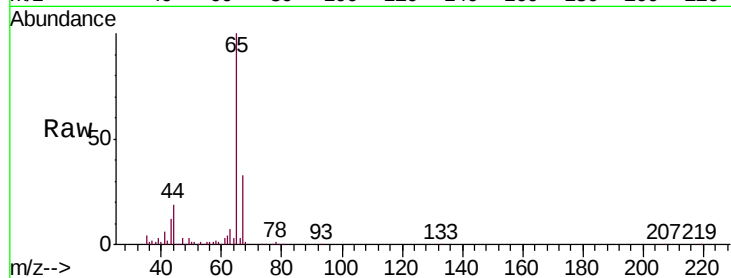
BFDW7

Tgt Ion: 62 Resp: 3575

Ion Ratio Lower Upper

62 100

64 74.9 22.4 41.6#



#9

Trichlorofluoromethane

Concen: 0.191 ug/L

RT: 2.16 min Scan# 255

Delta R.T. 0.00 min

Lab File: VU036292.D

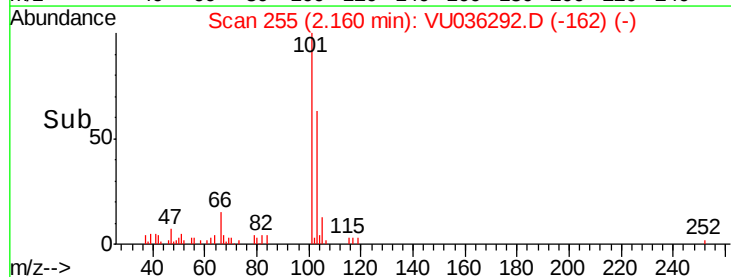
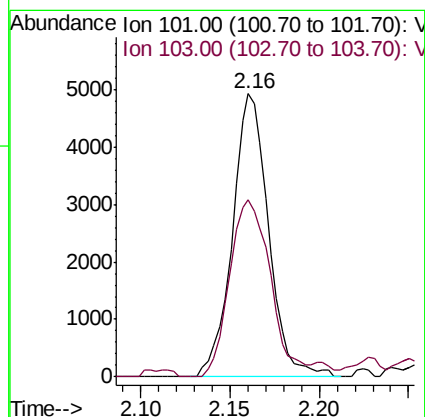
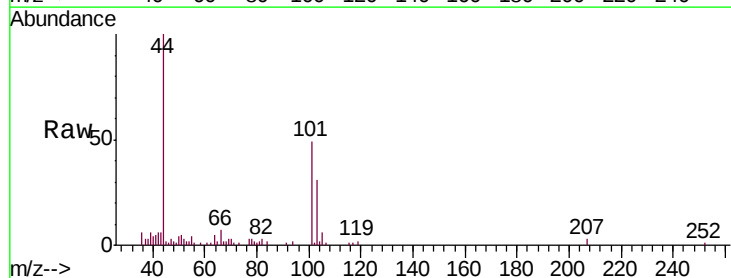
Acq: 19 Dec 2019 18:57

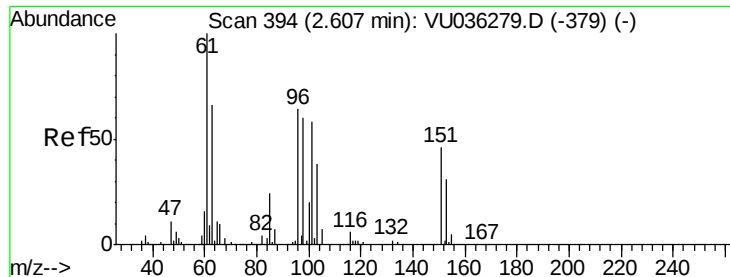
Tgt Ion: 101 Resp: 6933

Ion Ratio Lower Upper

101 100

103 70.6 50.4 75.6





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.113 ug/L

RT: 2.59 min Scan# 389

Delta R.T. -0.02 min

Lab File: VU036292.D

Acq: 19 Dec 2019 18:57

Instrument :

MSVOA_U

ClientSampleId :

BFDW7

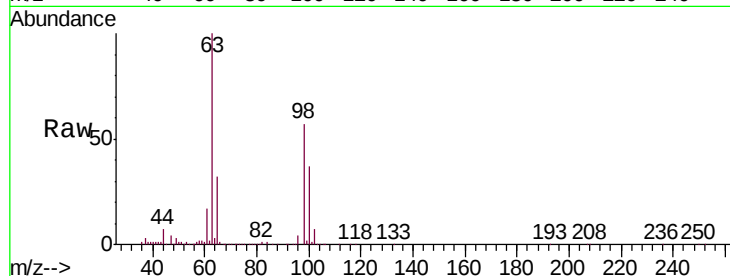
Tgt Ion: 101 Resp: 1963

Ion Ratio Lower Upper

101 100

85 5.0 35.0 52.6#

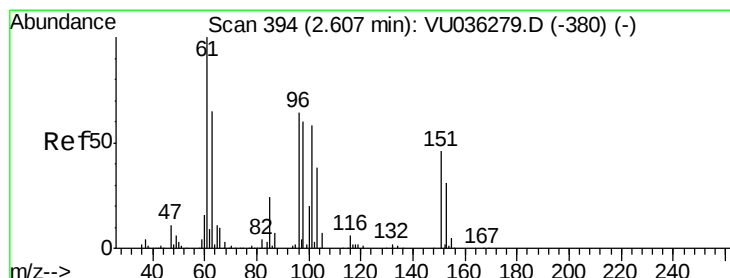
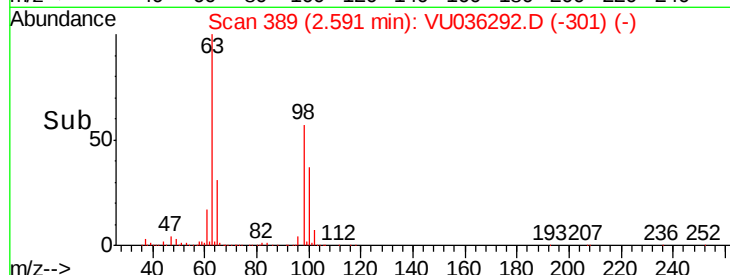
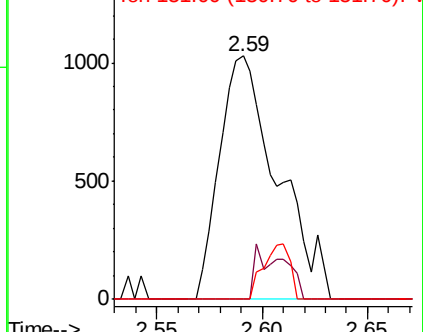
151 0.0 63.9 95.9#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.668 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU036292.D

Acq: 19 Dec 2019 18:57

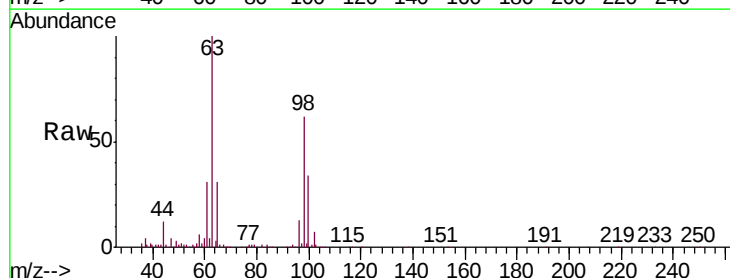
Tgt Ion: 96 Resp: 10723

Ion Ratio Lower Upper

96 100

61 245.7 114.0 211.8#

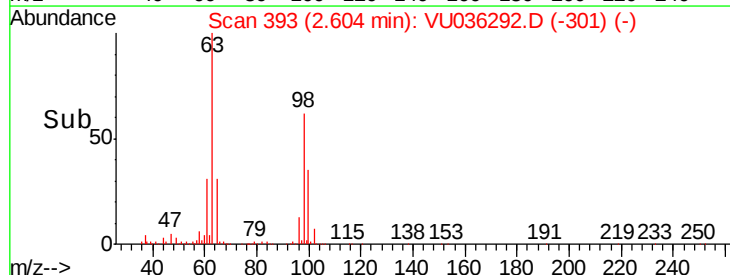
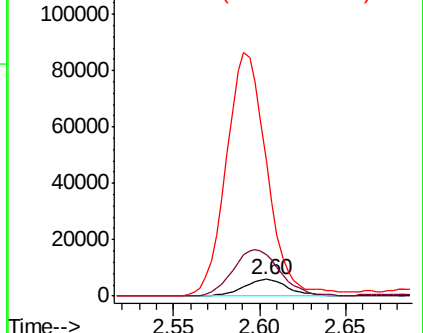
63 793.0 63.6 118.0#

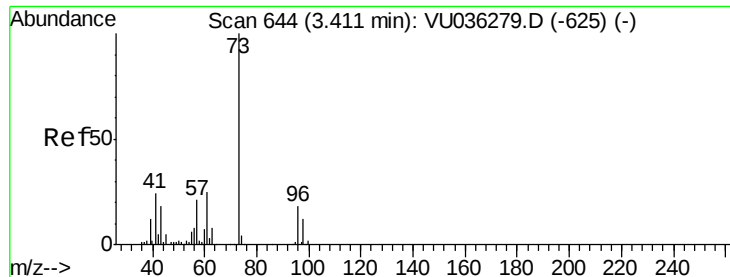


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0



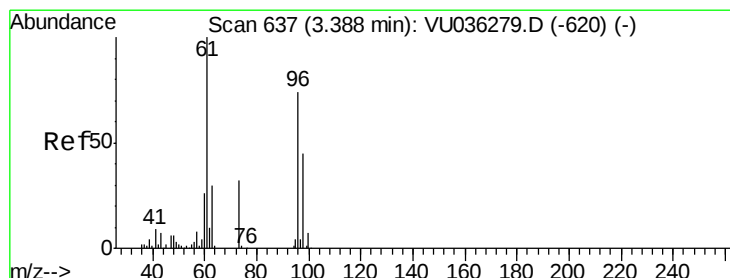
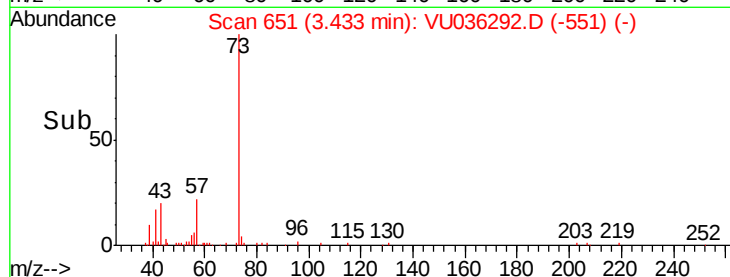
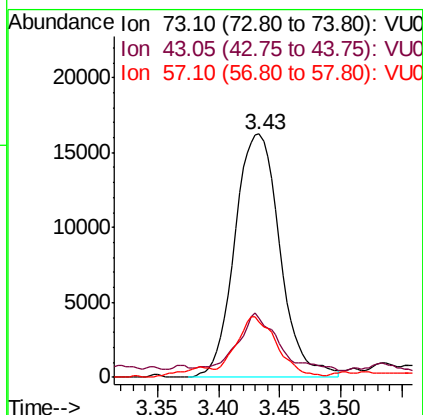
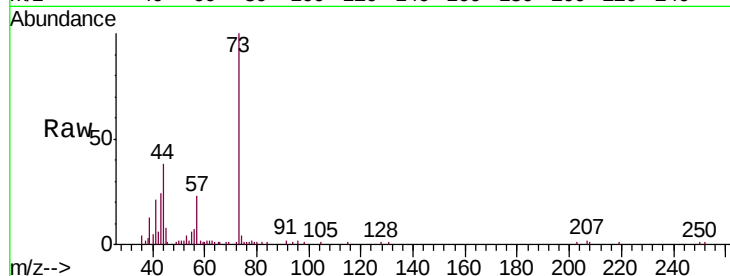


#17

Methyl tert-butyl Ether
 Concen: 1.206 ug/L
 RT: 3.43 min Scan# 651
 Delta R.T. 0.02 min
 Lab File: VU036292.D
 Acq: 19 Dec 2019 18:57

Instrument :
 MSVOA_U
 ClientSampleId :
 BFDW7

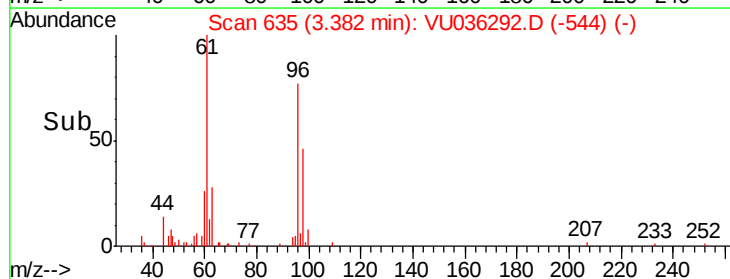
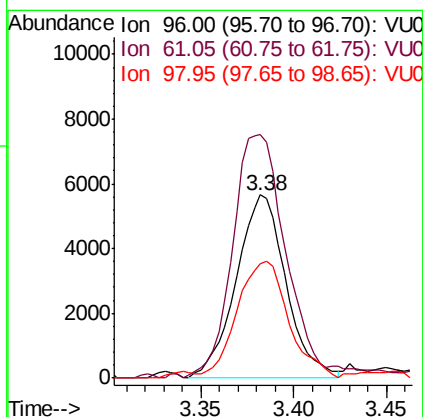
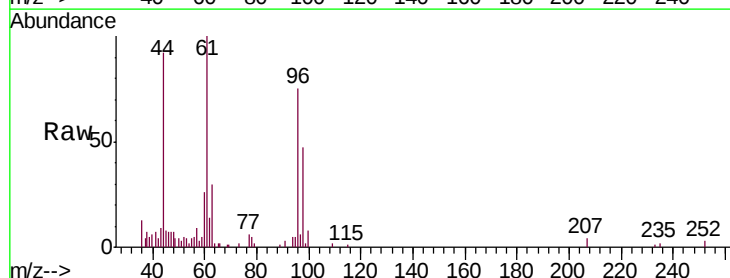
Tgt Ion: 73 Resp: 41522
 Ion Ratio Lower Upper
 73 100
 43 17.6 15.3 22.9
 57 21.4 18.2 27.2

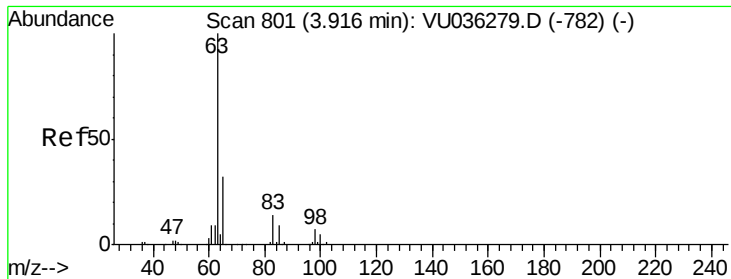


#18

trans-1,2-Dichloroethene
 Concen: 0.631 ug/L
 RT: 3.38 min Scan# 635
 Delta R.T. -0.01 min
 Lab File: VU036292.D
 Acq: 19 Dec 2019 18:57

Tgt Ion: 96 Resp: 10615
 Ion Ratio Lower Upper
 96 100
 61 132.8 94.8 176.2
 98 62.5 46.8 86.8





#19

1,1-Dichloroethane

Concen: 0.221 ug/L

RT: 3.92 min Scan# 801

Delta R.T. 0.00 min

Lab File: VU036292.D

Acq: 19 Dec 2019 18:57

Instrument :

MSVOA_U

ClientSampleId :

BFDW7

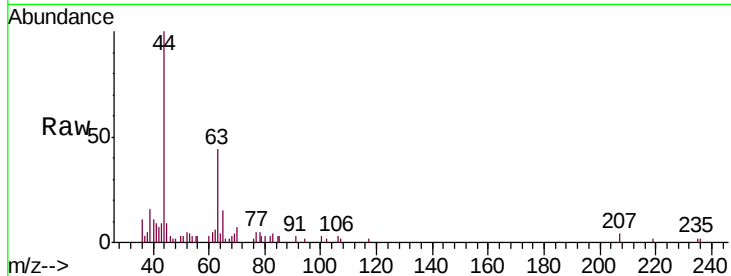
Tgt Ion: 63 Resp: 6848

Ion Ratio Lower Upper

63 100

65 40.2 22.6 42.0

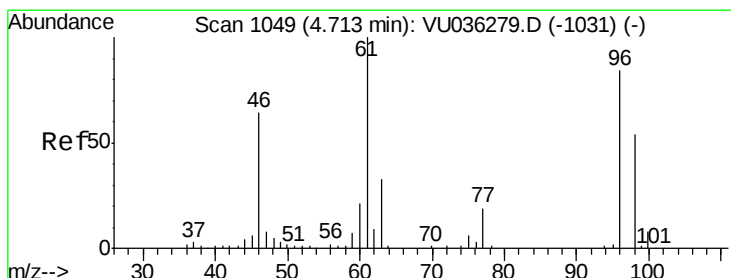
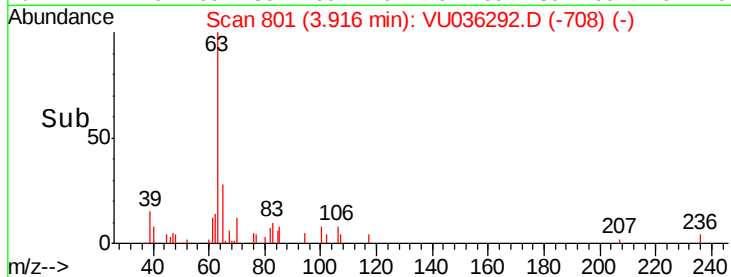
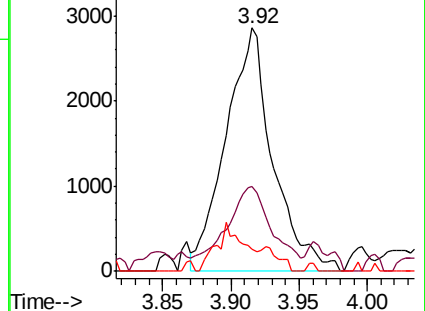
83 9.1 9.7 18.1#



Abundance Ion 63.10 (62.80 to 63.80): VU036292.D (-782) (-)

Ion 65.10 (64.80 to 65.80): VU036292.D (-782) (-)

Ion 83.05 (82.75 to 83.75): VU036292.D (-782) (-)



#22

cis-1,2-Dichloroethene

Concen: 16.258 ug/L

RT: 4.72 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VU036292.D

Acq: 19 Dec 2019 18:57

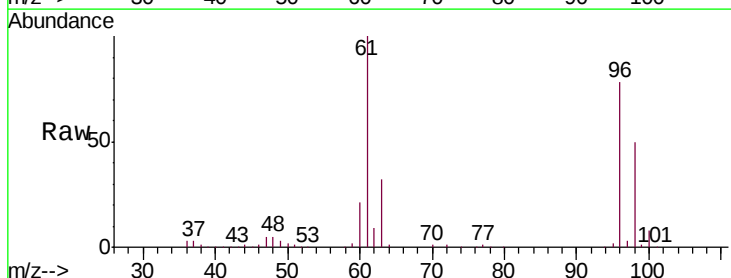
Tgt Ion: 96 Resp: 293337

Ion Ratio Lower Upper

96 100

61 128.2 86.7 161.1

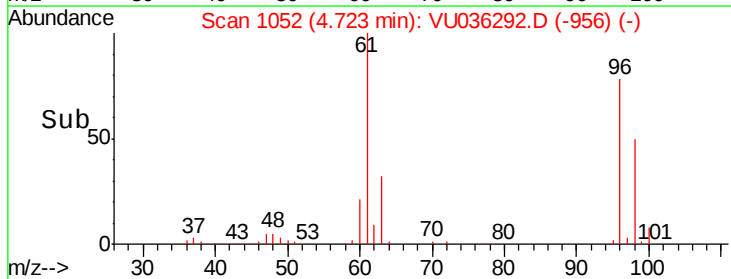
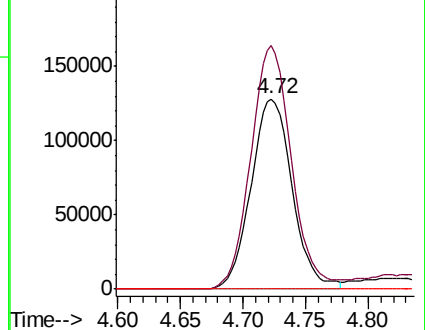
68 0.0 0.0 0.0

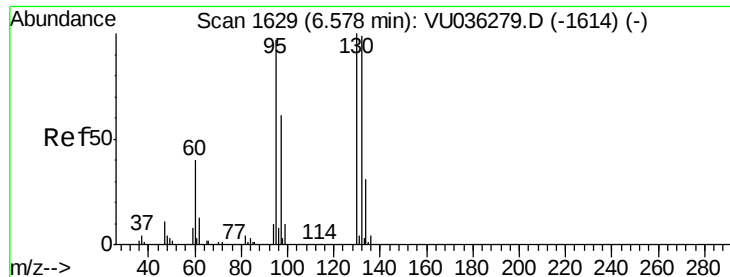


Abundance Ion 96.00 (95.70 to 96.70): VU036292.D (-956) (-)

Ion 61.05 (60.75 to 61.75): VU036292.D (-956) (-)

Ion 68.15 (67.85 to 68.85): VU036292.D (-956) (-)





#34

Trichloroethene

Concen: 50.593 ug/L

RT: 6.59 min Scan# 1633

Delta R.T. 0.01 min

Lab File: VU036292.D

Acq: 19 Dec 2019 18:57

Instrument :

MSVOA_U

ClientSampleId :

BFDW7

Tgt Ion: 95 Resp: 994147

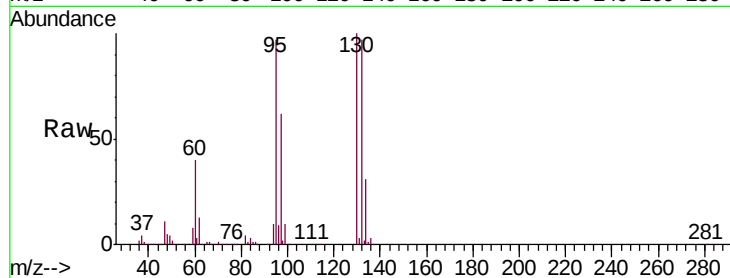
Ion Ratio Lower Upper

95 100

97 63.8 43.6 81.0

132 100.1 69.6 129.2

130 103.2 70.3 130.7

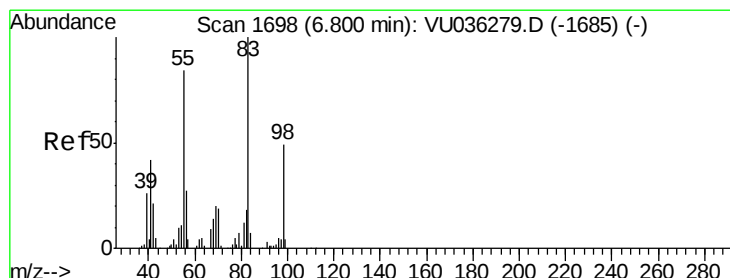
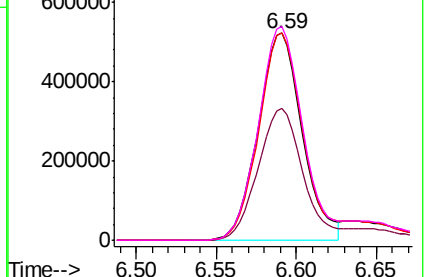
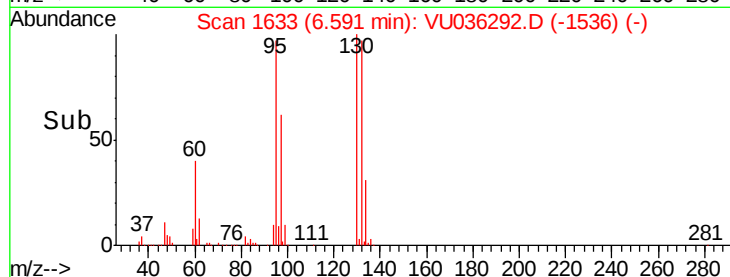


Abundance Ion 95.00 (94.70 to 95.70): VU036292.D (-1633) (-)

Ion 96.95 (96.65 to 97.65): VU036292.D (-1633) (-)

Ion 131.95 (131.65 to 132.65): VU036292.D (-1633) (-)

Ion 129.95 (129.65 to 130.65): VU036292.D (-1633) (-)



#35

Methylcyclohexane

Concen: 0.750 ug/L

RT: 6.74 min Scan# 1680

Delta R.T. -0.06 min

Lab File: VU036292.D

Acq: 19 Dec 2019 18:57

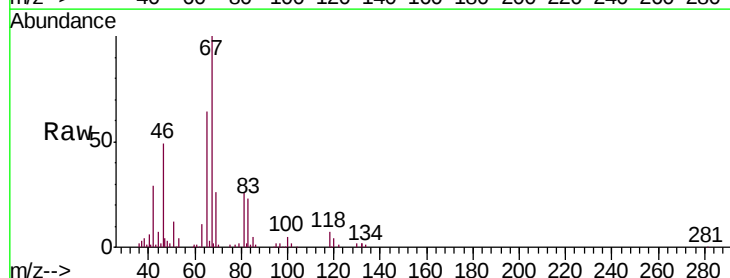
Tgt Ion: 83 Resp: 20949

Ion Ratio Lower Upper

83 100

55 0.2 62.6 94.0#

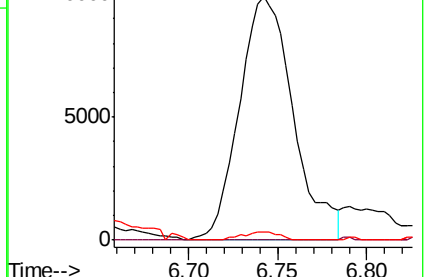
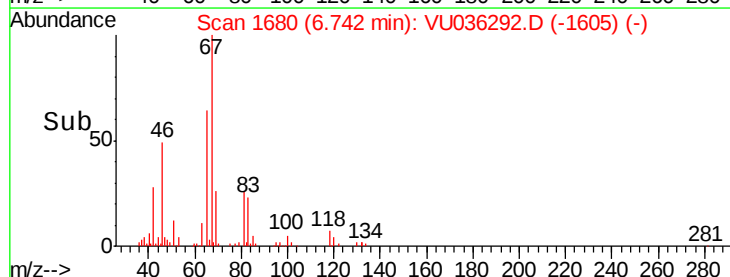
98 0.0 36.2 54.2#

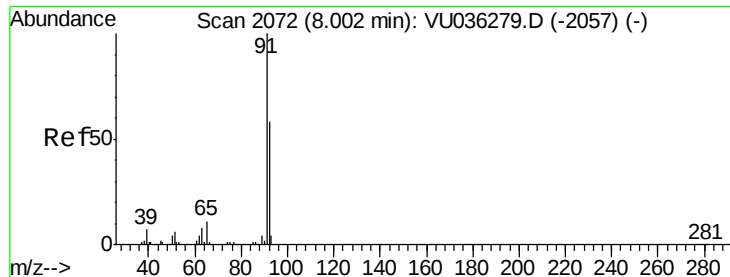


Abundance Ion 83.15 (82.85 to 83.85): VU036292.D (-1680) (-)

Ion 55.10 (54.80 to 55.80): VU036292.D (-1680) (-)

Ion 98.15 (97.85 to 98.85): VU036292.D (-1680) (-)





#42

Toluene

Concen: 8.406 ug/L

RT: 8.01 min Scan# 2073

Delta R.T. 0.00 min

Lab File: VU036292.D

Acq: 19 Dec 2019 18:57

Instrument :

MSVOA_U

ClientSampleId :

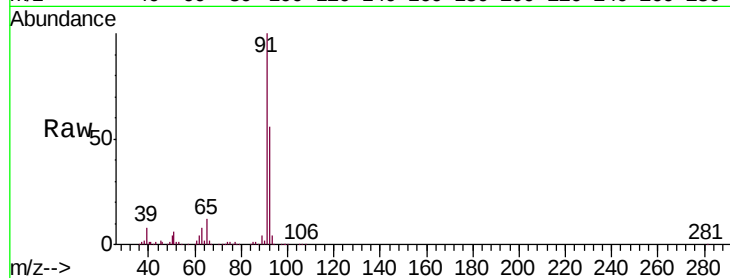
BFDW7

Tgt Ion: 91 Resp: 686699

Ion Ratio Lower Upper

91 100

92 55.7 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VU036279.D (-2057) (-)

Ion 92.15 (91.85 to 92.85): VU036279.D (-2057) (-)

8.01

400000

300000

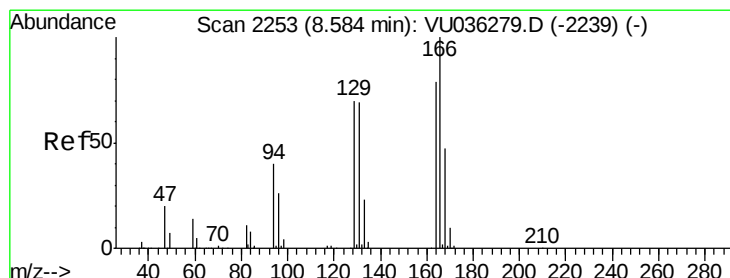
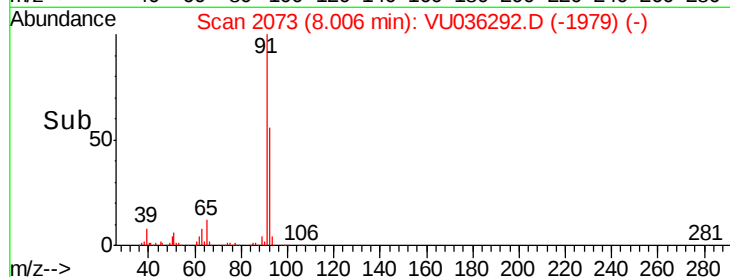
200000

100000

0

7.90 8.00 8.10

Time-->



#47

Tetrachloroethene

Concen: 0.144 ug/L

RT: 8.58 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VU036292.D

Acq: 19 Dec 2019 18:57

Tgt Ion: 164 Resp: 2552

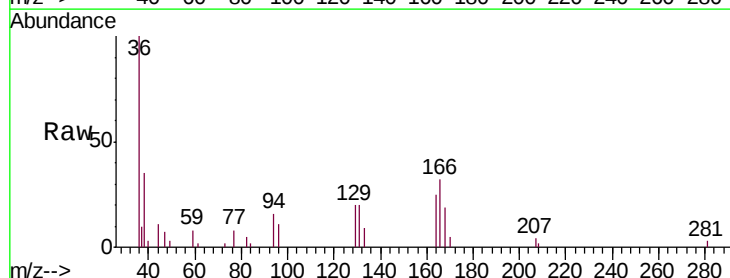
Ion Ratio Lower Upper

164 100

129 81.1 64.2 119.2

131 83.1 66.6 123.8

166 128.8 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) (-)

3000

2500

2000

1500

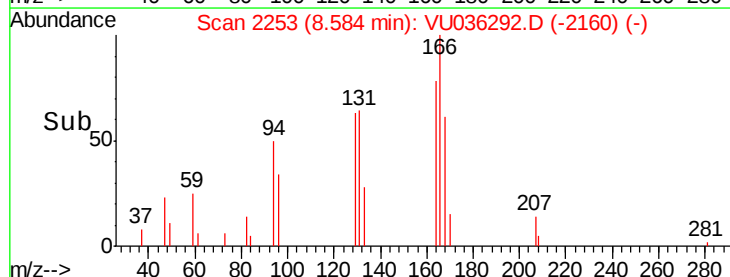
1000

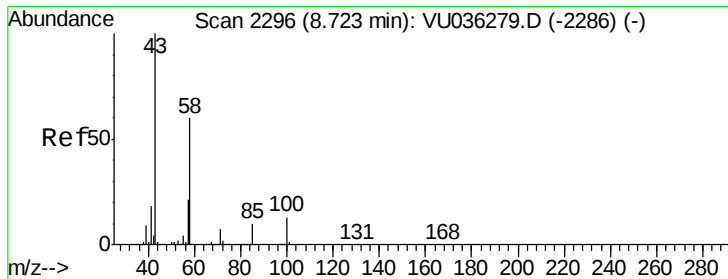
500

0

8.55 8.60

Time-->

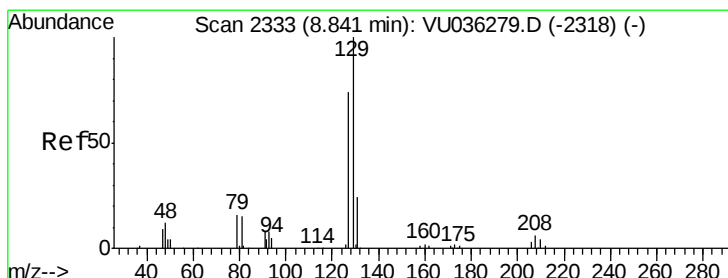
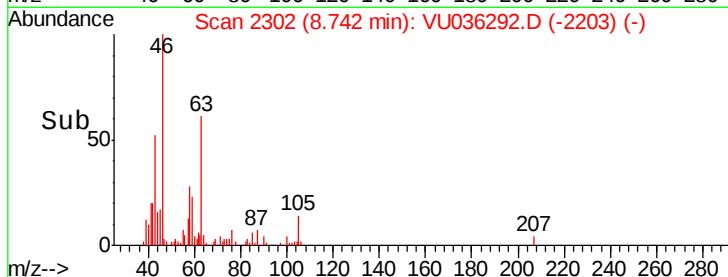
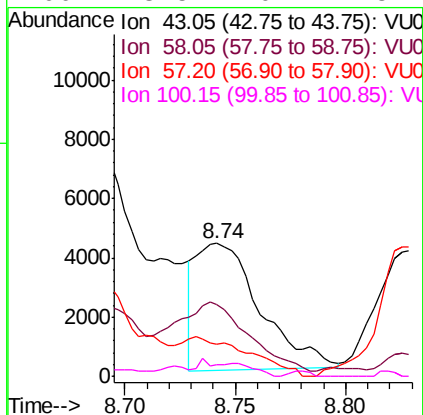
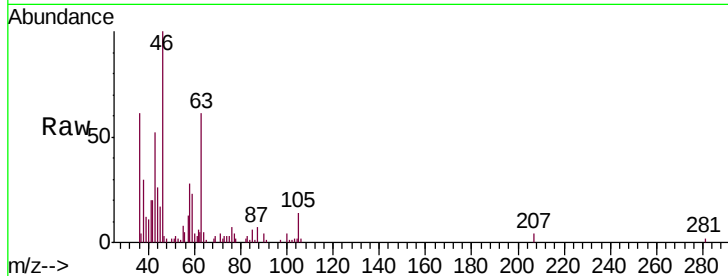




#48
2-Hexanone
Concen: 1.134 ug/L
RT: 8.74 min Scan# 2302
Delta R.T. 0.02 min
Lab File: VU036292.D
Acq: 19 Dec 2019 18:57

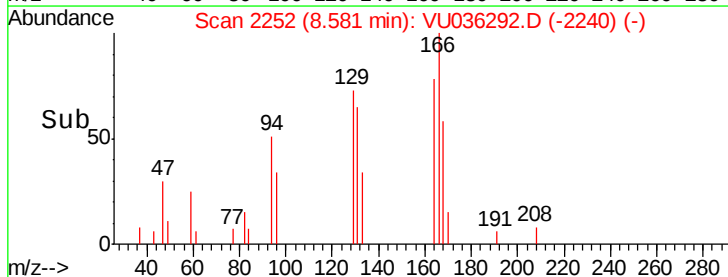
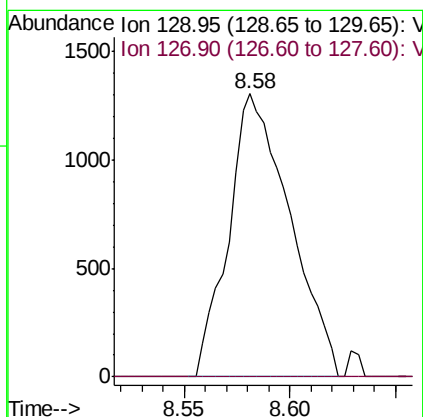
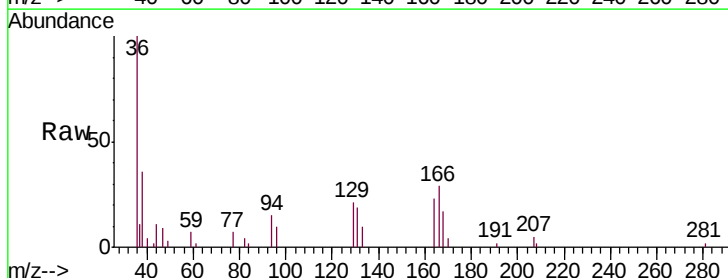
Instrument :
MSVOA_U
ClientSampleId :
BFDW7

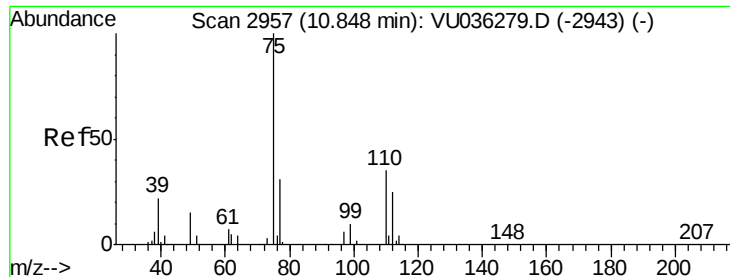
Tgt Ion: 43 Resp: 8609
Ion Ratio Lower Upper
43 100
58 70.8 46.2 69.2#
57 32.4 16.2 24.4#
100 3.5 10.2 15.4#



#49
Dibromochloromethane
Concen: 0.146 ug/L
RT: 8.58 min Scan# 2252
Delta R.T. -0.26 min
Lab File: VU036292.D
Acq: 19 Dec 2019 18:57

Tgt Ion: 129 Resp: 2630
Ion Ratio Lower Upper
129 100
127 0.0 52.6 97.6#





#59

1,2,3-Trichloropropane

Concen: 1.231 ug/L

RT: 11.83 min Scan# 3264

Delta R.T. 0.99 min

Lab File: VU036292.D

Acq: 19 Dec 2019 18:57

Instrument :

MSVOA_U

ClientSampled :

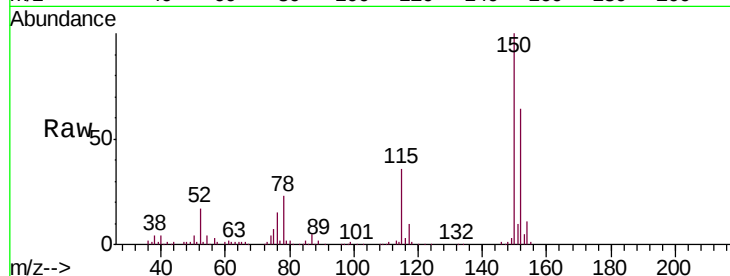
BFDW7

Tgt Ion: 75 Resp: 15906

Ion Ratio Lower Upper

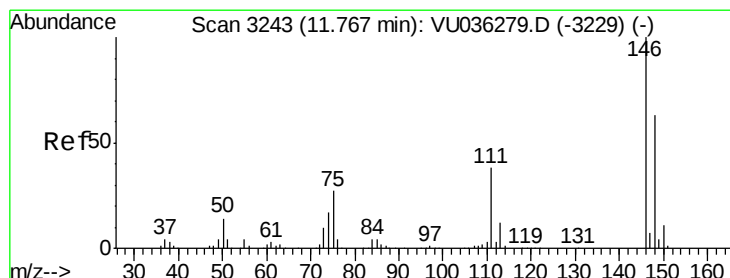
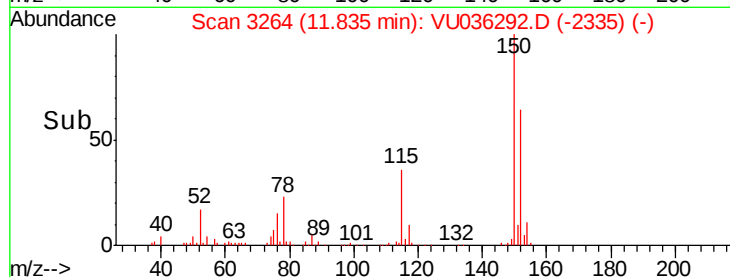
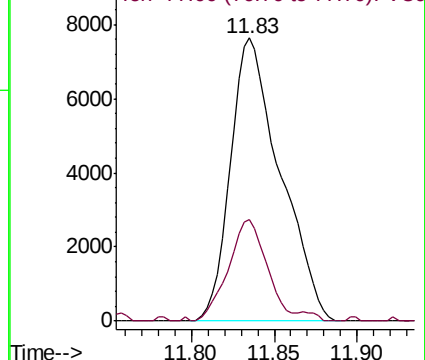
75 100

77 28.0 27.2 40.8



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#62

1,3-Dichlorobenzene

Concen: 0.360 ug/L

RT: 11.86 min Scan# 3271

Delta R.T. 0.09 min

Lab File: VU036292.D

Acq: 19 Dec 2019 18:57

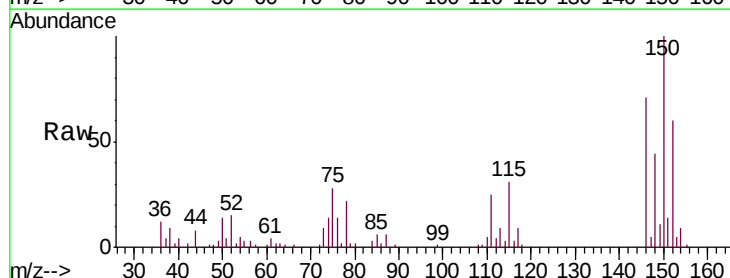
Tgt Ion: 146 Resp: 13913

Ion Ratio Lower Upper

146 100

111 35.3 26.3 48.9

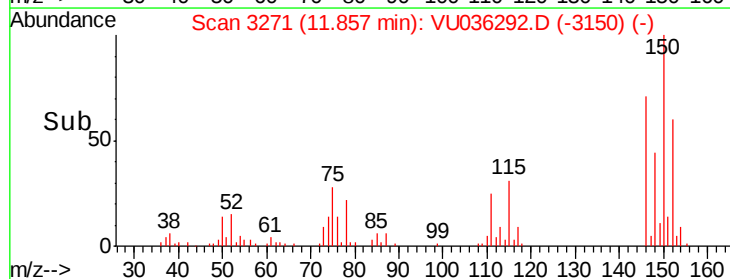
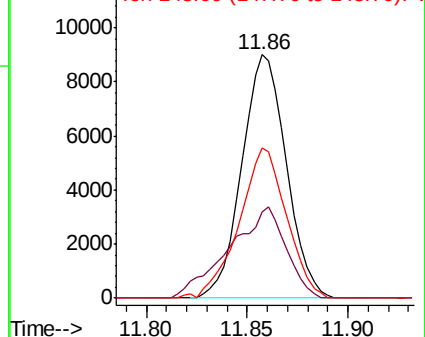
148 61.9 45.1 83.9

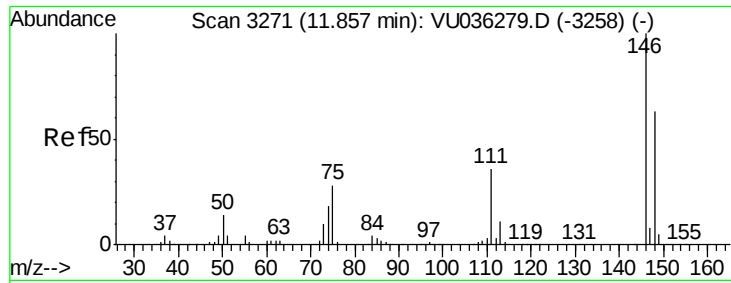


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 0.363 ug/L

RT: 11.86 min Scan# 3271

Delta R.T. 0.00 min

Lab File: VU036292.D

Acq: 19 Dec 2019 18:57

Instrument :

MSVOA_U

ClientSampleId :

BFDW7

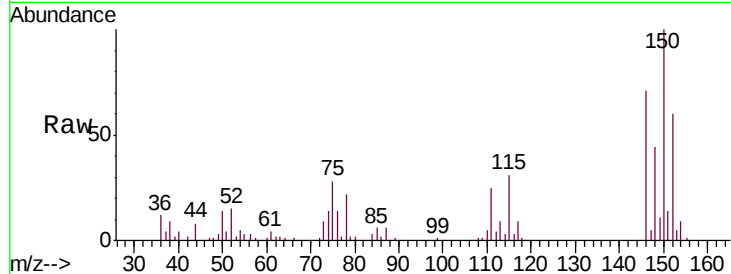
Tgt Ion:146 Resp: 13913

Ion Ratio Lower Upper

146 100

111 35.3 25.8 48.0

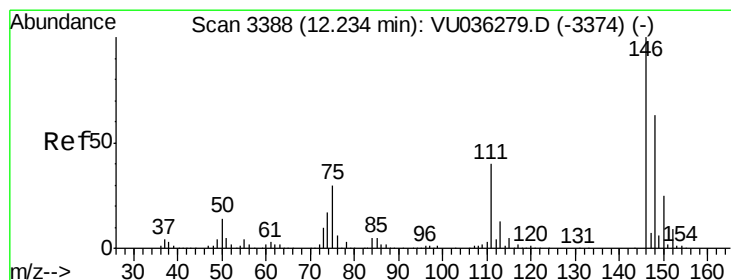
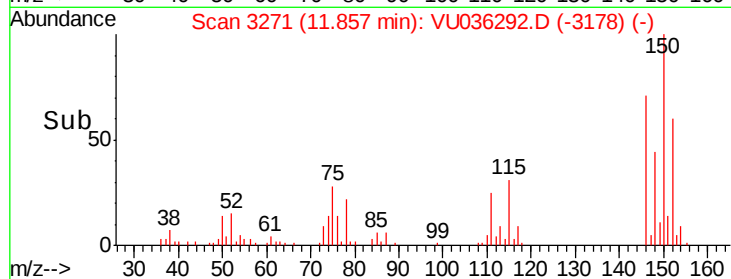
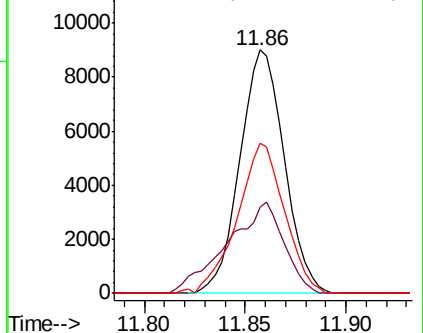
148 61.9 44.7 82.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 0.231 ug/L

RT: 12.23 min Scan# 3388

Delta R.T. 0.00 min

Lab File: VU036292.D

Acq: 19 Dec 2019 18:57

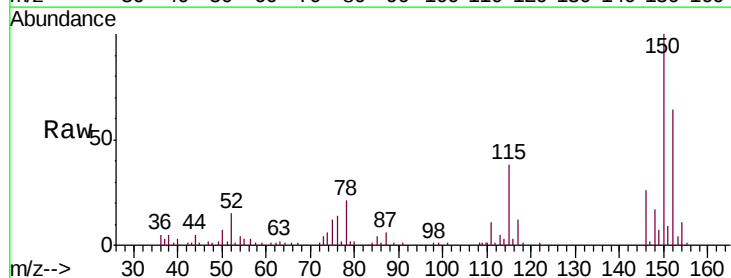
Tgt Ion:146 Resp: 8492

Ion Ratio Lower Upper

146 100

111 43.1 32.5 48.7

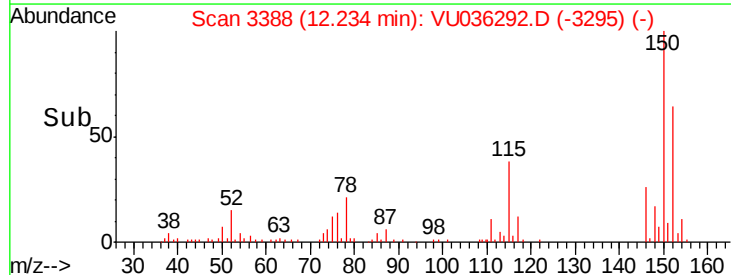
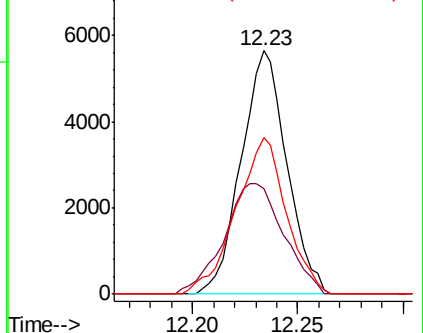
148 64.1 49.2 73.8

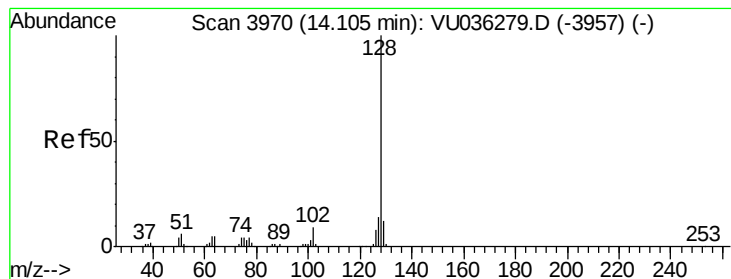


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#69

Naphthalene

Concen: 0.652 ug/L

RT: 14.10 min Scan# 3970

Delta R.T. 0.00 min

Lab File: VU036292.D

Acq: 19 Dec 2019 18:57

Instrument :

MSVOA_U

ClientSampleId :

BFDW7

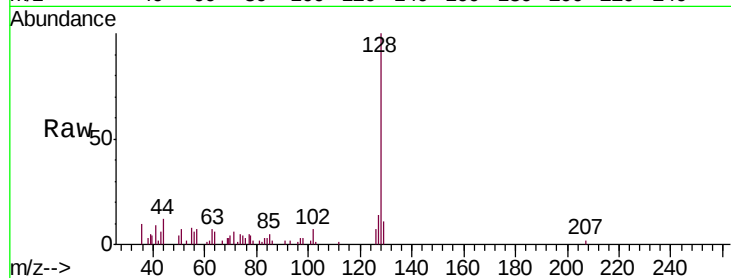
Tgt Ion:128 Resp: 15763

Ion Ratio Lower Upper

128 100

129 11.2 8.4 12.6

127 13.3 11.5 17.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

