

Data File : VU028178.D
Acq On : 15 Nov 2018 17:50
Operator : MD/SY
Sample : J5946-03
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
F9C08

Quant Time: Nov 16 00:51:28 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR111418WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Nov 16 00:43:47 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	165121	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	162162	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	72159	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	51303	3.74	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.80%
7) Chloroethane-d5	1.68	69	45182	4.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.00%
11) 1,1-Dichloroethene-d2	2.28	63	78450	3.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.40%
20) 2-Butanone-d5	4.19	46	211543	53.23	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.46%
24) Chloroform-d	4.65	84	99899	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
26) 1,2-Dichloroethane-d4	5.31	65	59923	4.93	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.60%
32) Benzene-d6	5.34	84	199282	4.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.60%
36) 1,2-Dichloropropane-d6	6.33	67	76367	4.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.80%
41) Toluene-d8	7.57	98	174611	4.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.60%
43) trans-1,3-Dichloropropene-	7.85	79	22377	3.77	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.40%
46) 2-Hexanone-d5	8.31	63	156965	46.26	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.52%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	54984	4.67	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	63401	4.70	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.00%

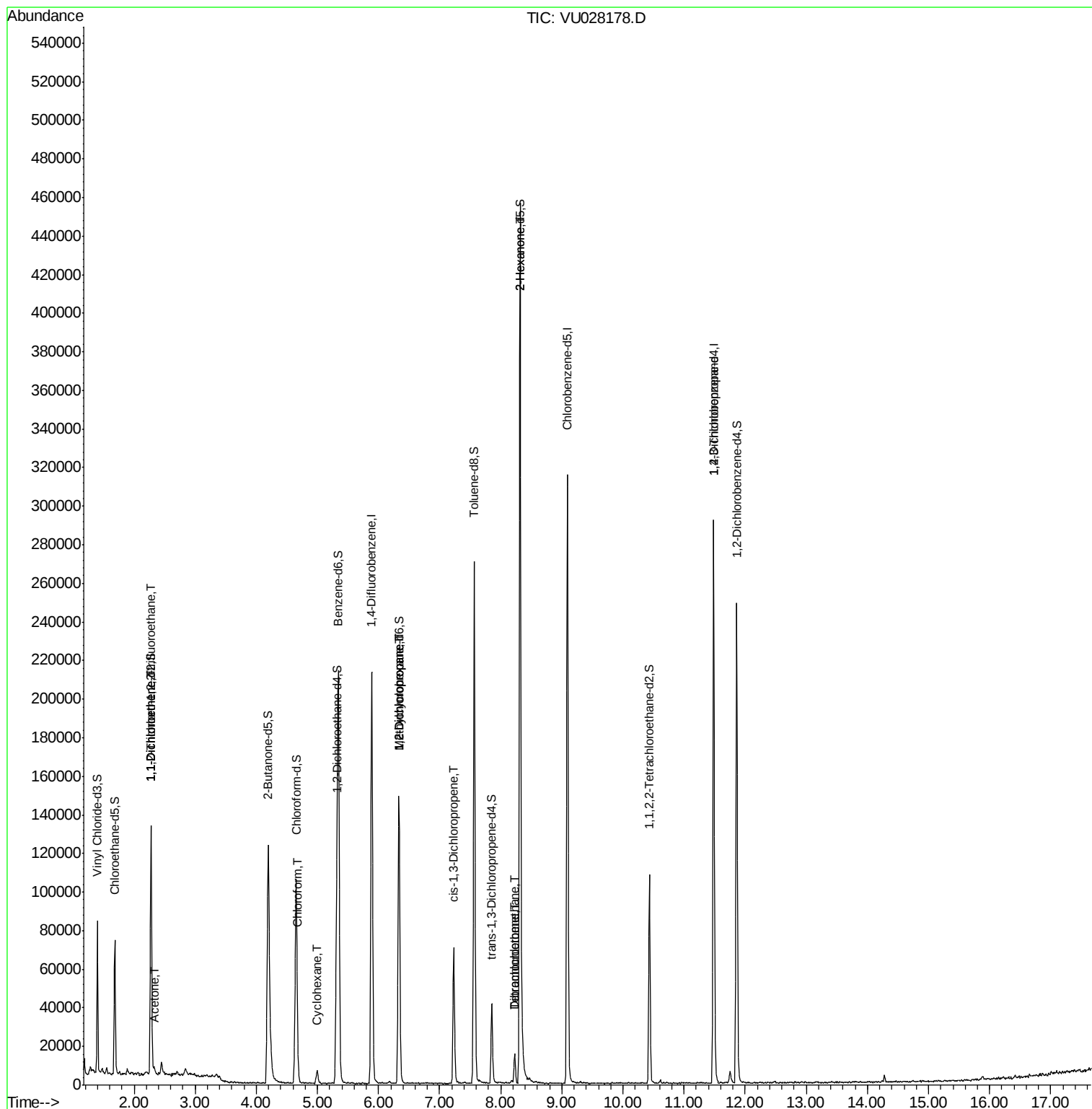
Target Compounds

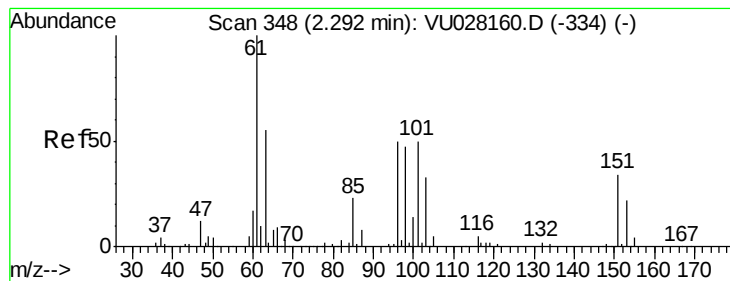
					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	601	0.055	ug/L #	20
12) 1,1-Dichloroethene	2.28	96	596	0.054	ug/L #	1
13) Acetone	2.32	43	2936	1.097	ug/L	86
25) Chloroform	4.68	83	3341	0.152	ug/L	96
30) Cyclohexane	4.99	56	3632	0.141	ug/L #	46
35) Methylcyclohexane	6.33	83	14514	0.625	ug/L #	16
37) 1,2-Dichloropropane	6.33	63	7603	0.503	ug/L #	92
39) cis-1,3-Dichloropropene	7.23	75	1424	0.070	ug/L #	63
47) Tetrachloroethene	8.23	164	3494	0.318	ug/L	79
48) 2-Hexanone	8.31	43	19714	2.663	ug/L #	66
49) Dibromochloromethane	8.23	129	3046	0.314	ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	9818	1.157	ug/L #	81

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

Instrument :
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ClientSampleId :
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Response via : Initial Calibration





#10

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

Concen: 0.055 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.02 min

Lab File: VU028178.D

Acq: 15 Nov 2018 17:50

Instrument :

MSVOA_U

ClientSampleId :

F9C08

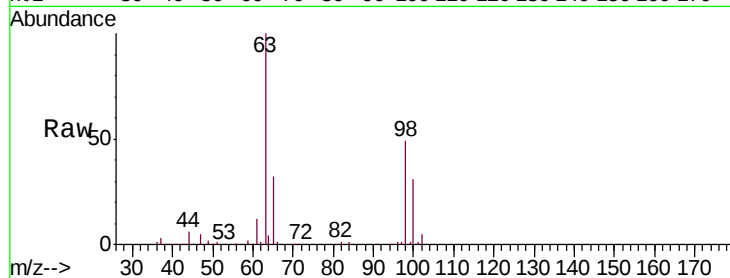
Tgt Ion: 101 Resp: 601

Ion Ratio Lower Upper

101 100

85 0.0 37.6 56.4#

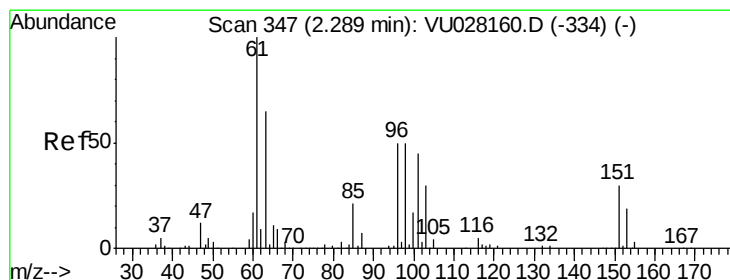
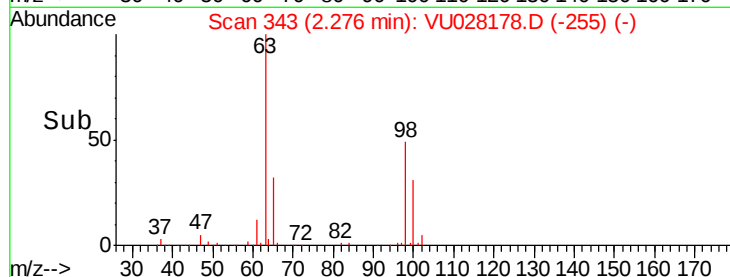
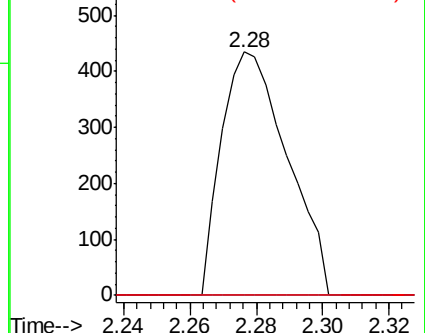
151 0.0 58.2 87.2#



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: 0.054 ug/L

RT: 2.28 min Scan# 343

Delta R.T. -0.01 min

Lab File: VU028178.D

Acq: 15 Nov 2018 17:50

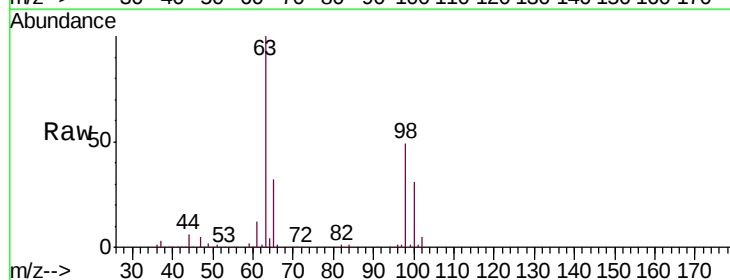
Tgt Ion: 96 Resp: 596

Ion Ratio Lower Upper

96 100

61 1216.1 134.8 250.3#

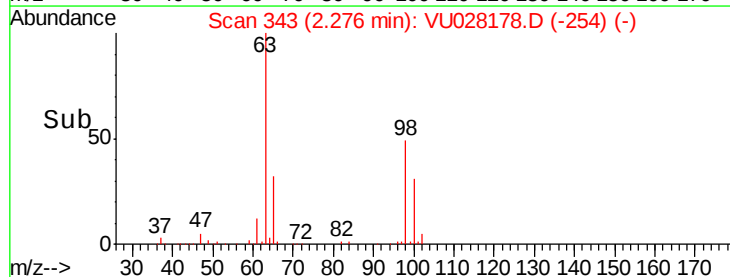
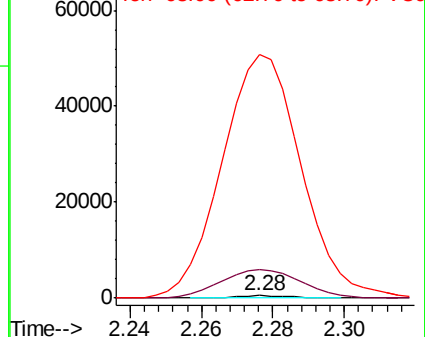
63 10360.8 100.1 185.9#

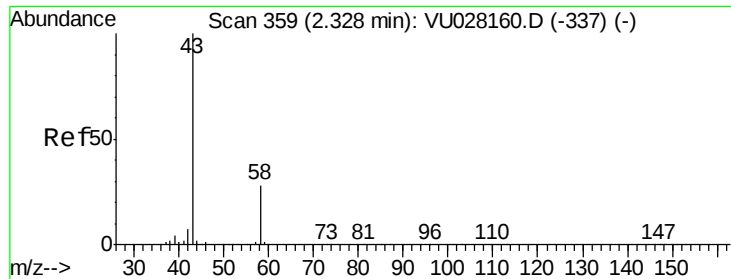


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 1.097 ug/L

RT: 2.32 min Scan# 358

Delta R.T. -0.00 min

Lab File: VU028178.D

Acq: 15 Nov 2018 17:50

Instrument :

MSVOA_U

ClientSampleId :

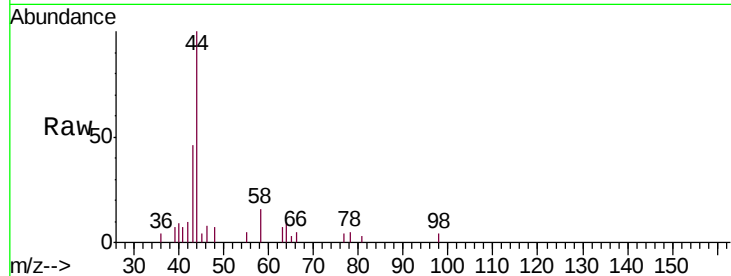
F9C08

Tgt Ion: 43 Resp: 2936

Ion Ratio Lower Upper

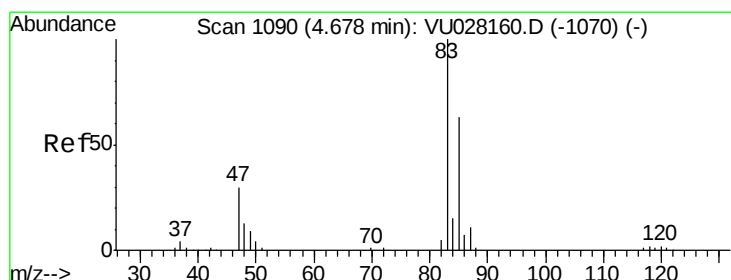
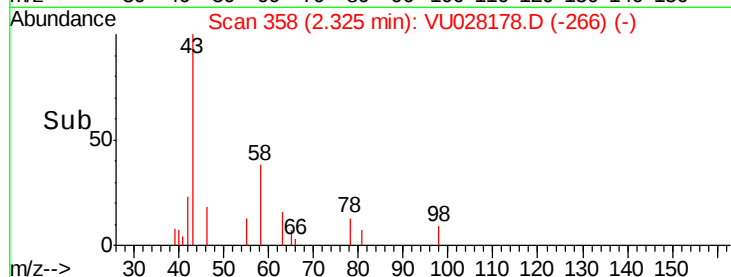
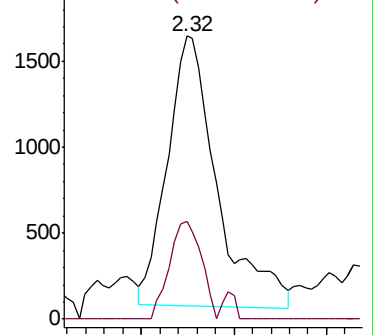
43 100

58 23.1 0.0 61.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#25

Chloroform

Concen: 0.152 ug/L

RT: 4.68 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VU028178.D

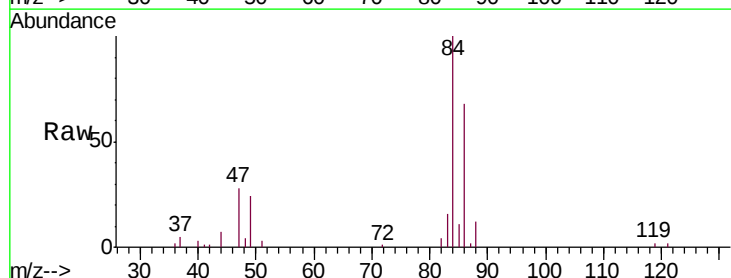
Acq: 15 Nov 2018 17:50

Tgt Ion: 83 Resp: 3341

Ion Ratio Lower Upper

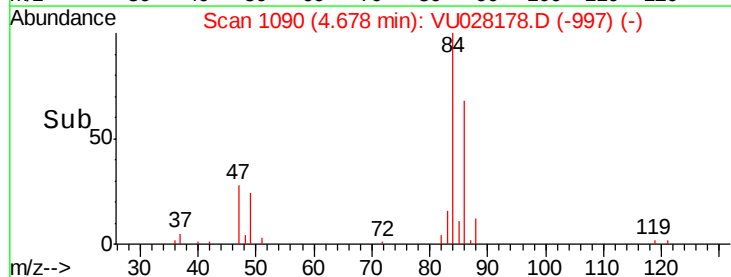
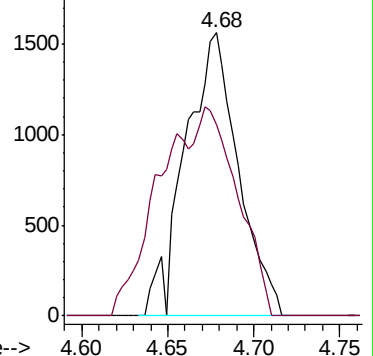
83 100

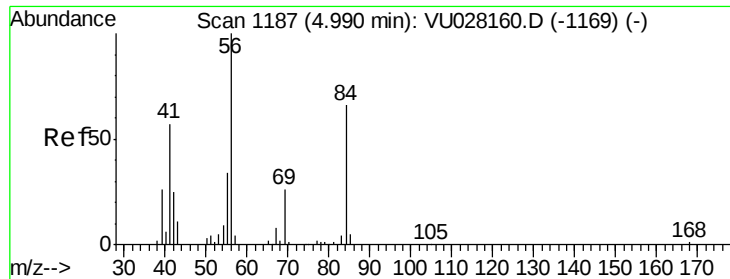
85 67.6 45.0 83.6



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0

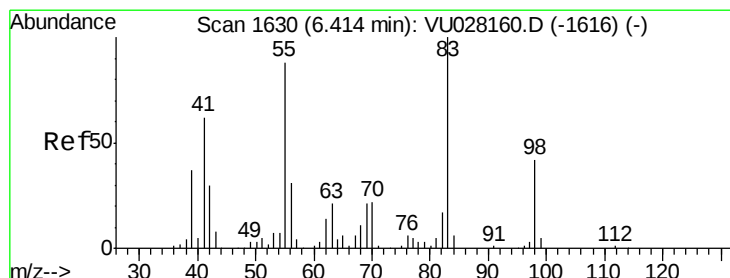
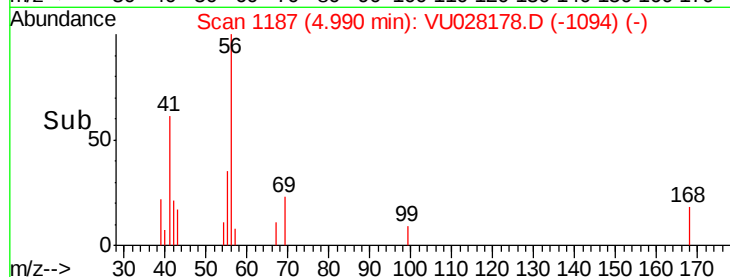
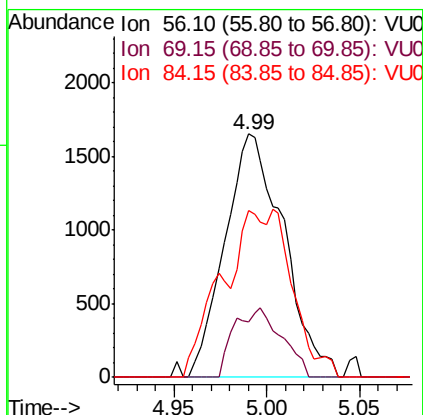
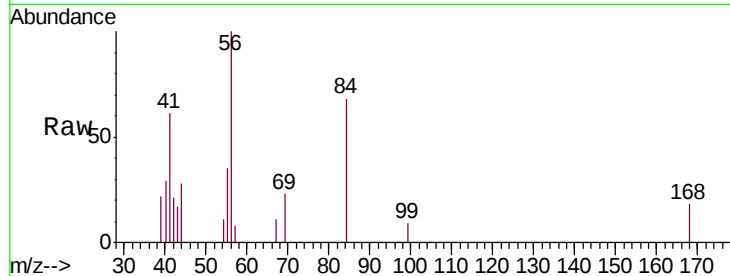




#30
Cyclohexane
Concen: 0.141 ug/L
RT: 4.99 min Scan# 1187
Delta R.T. 0.00 min
Lab File: VU028178.D
Acq: 15 Nov 2018 17:50

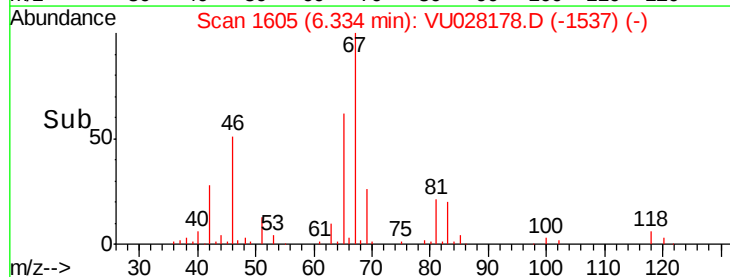
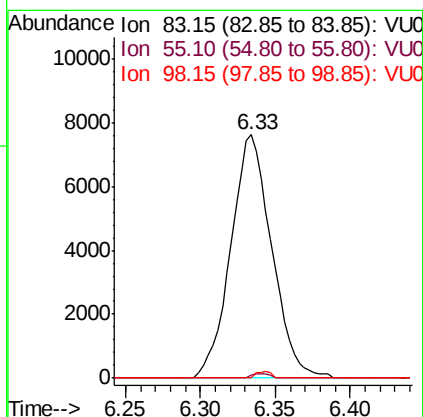
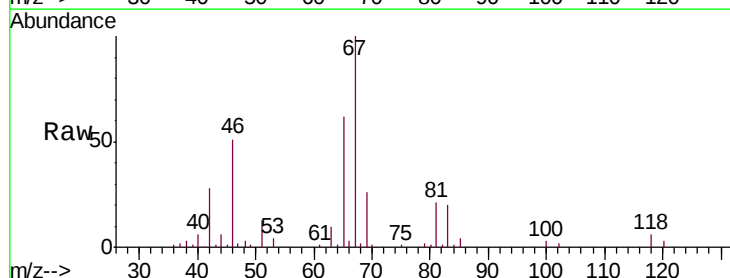
Instrument :
MSVOA_U
ClientSampleId :
F9C08

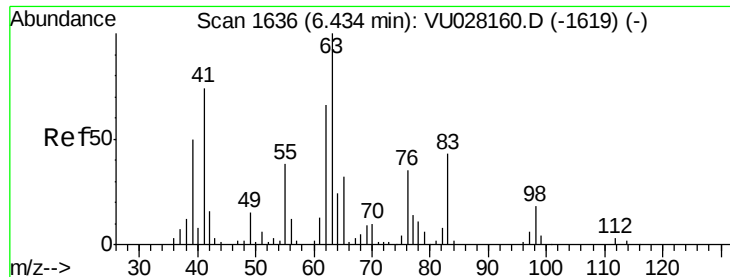
Tgt Ion: 56 Resp: 3632
Ion Ratio Lower Upper
56 100
69 22.9 22.6 33.8
84 13.1 57.7 86.5#



#35
Methylcyclohexane
Concen: 0.625 ug/L
RT: 6.33 min Scan# 1605
Delta R.T. -0.08 min
Lab File: VU028178.D
Acq: 15 Nov 2018 17:50

Tgt Ion: 83 Resp: 14514
Ion Ratio Lower Upper
83 100
55 0.8 69.0 103.4#
98 1.0 33.3 49.9#

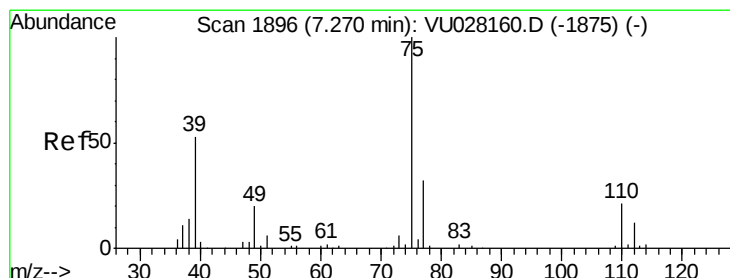
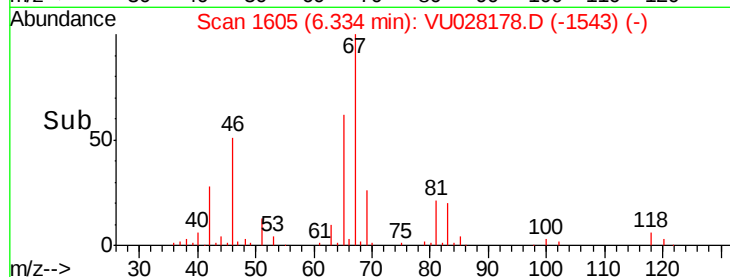
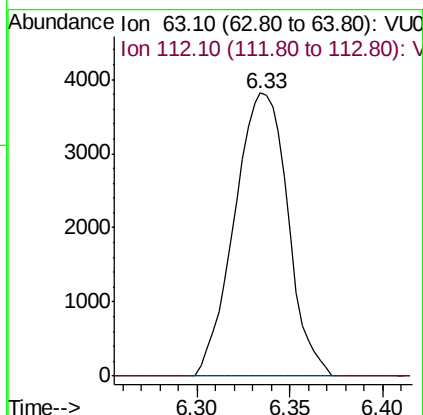
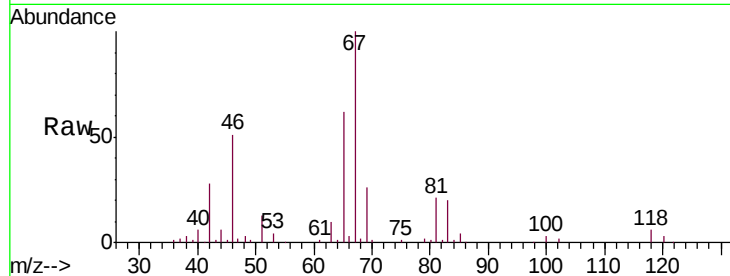




#37
 1,2-Dichloropropane
 Concen: 0.503 ug/L
 RT: 6.33 min Scan# 1605
 Delta R.T. -0.10 min
 Lab File: VU028178.D
 Acq: 15 Nov 2018 17:50

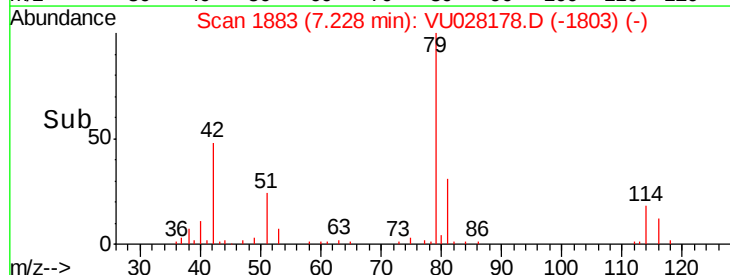
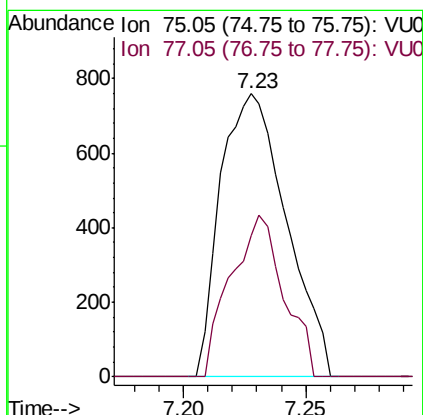
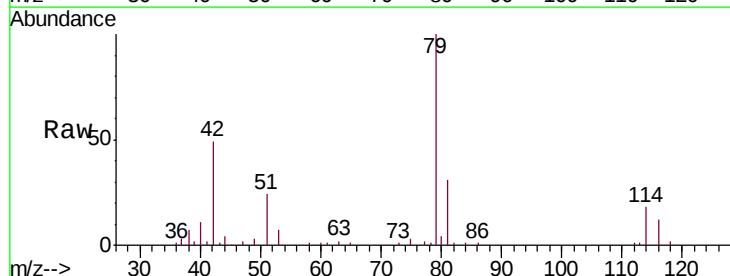
Instrument :
 MSVOA_U
 ClientSampled :
 F9C08

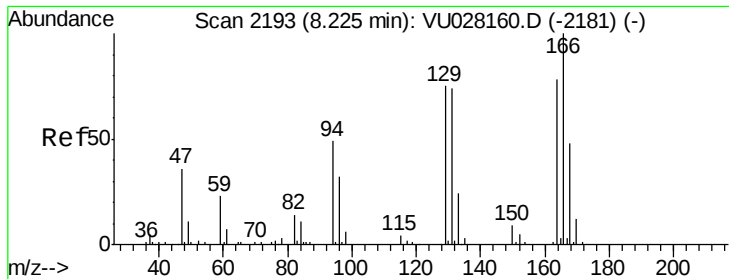
Tgt Ion: 63 Resp: 7603
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.2 3.4#



#39
 cis-1,3-Dichloropropene
 Concen: 0.070 ug/L
 RT: 7.23 min Scan# 1883
 Delta R.T. -0.04 min
 Lab File: VU028178.D
 Acq: 15 Nov 2018 17:50

Tgt Ion: 75 Resp: 1424
 Ion Ratio Lower Upper
 75 100
 77 49.9 20.9 38.9#





#47

Tetrachloroethene

Concen: 0.318 ug/L

RT: 8.23 min Scan# 2196

Delta R.T. 0.01 min

Lab File: VU028178.D

Acq: 15 Nov 2018 17:50

Instrument :

MSVOA_U

ClientSampleId :

F9C08

Tgt Ion:164 Resp: 3494

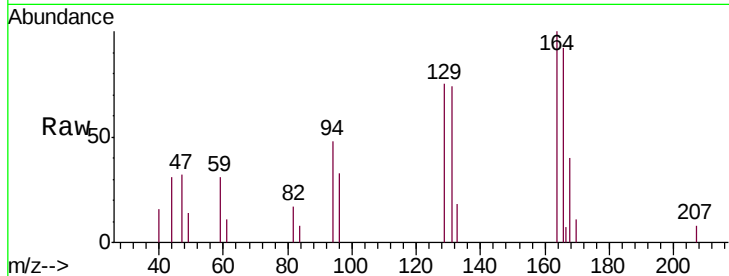
Ion Ratio Lower Upper

164 100

129 75.5 69.7 129.4

131 74.4 64.0 118.8

166 98.6 86.4 160.4

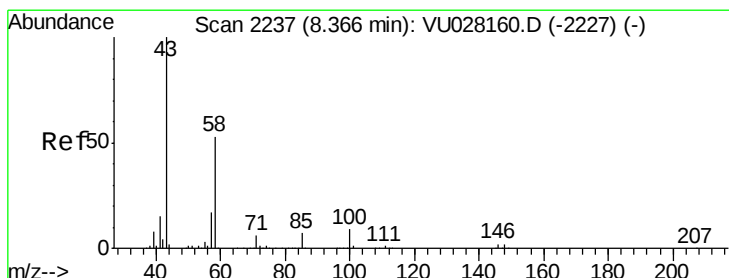
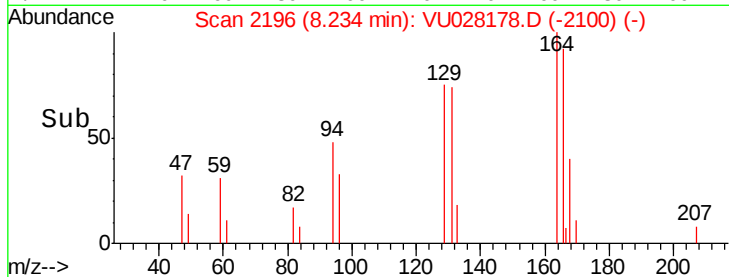
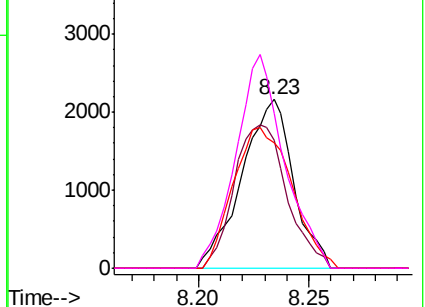


Abundance Ion 163.90 (163.60 to 164.60): V

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: 2.663 ug/L

RT: 8.31 min Scan# 2221

Delta R.T. -0.05 min

Lab File: VU028178.D

Acq: 15 Nov 2018 17:50

Tgt Ion: 43 Resp: 19714

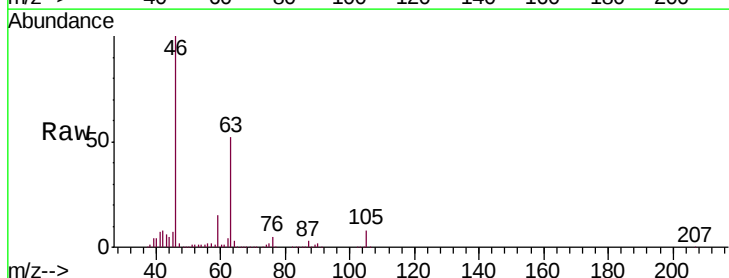
Ion Ratio Lower Upper

43 100

58 24.7 41.7 62.5#

57 27.8 14.0 21.0#

100 0.0 7.2 10.8#

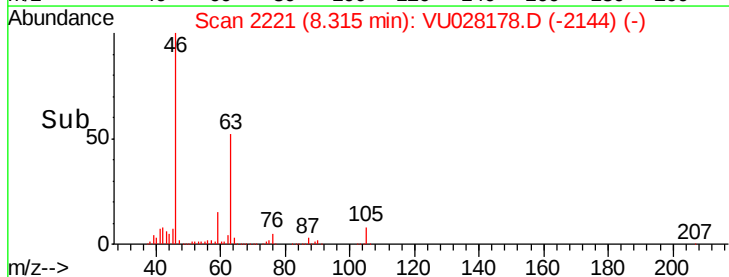
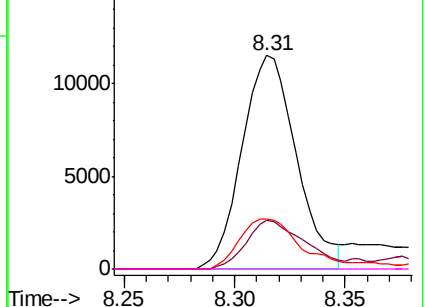


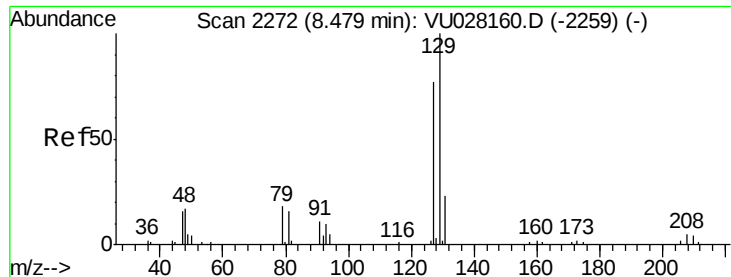
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 0.314 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. -0.25 min

Lab File: VU028178.D

Acq: 15 Nov 2018 17:50

Instrument :

MSVOA_U

ClientSampleId :

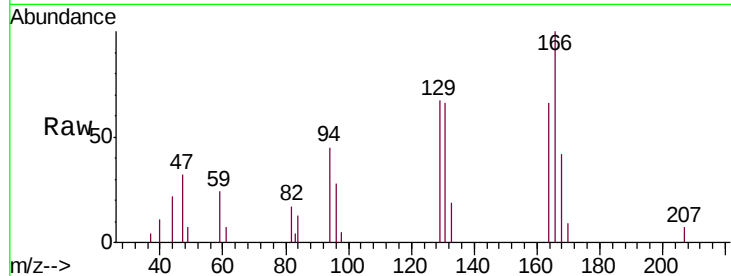
F9C08

Tgt Ion:129 Resp: 3046

Ion Ratio Lower Upper

129 100

127 0.0 54.1 100.5#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.23

1500

1000

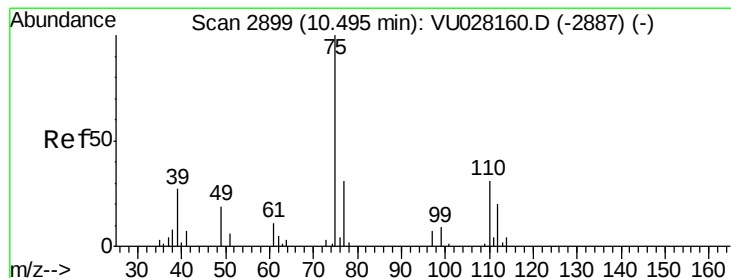
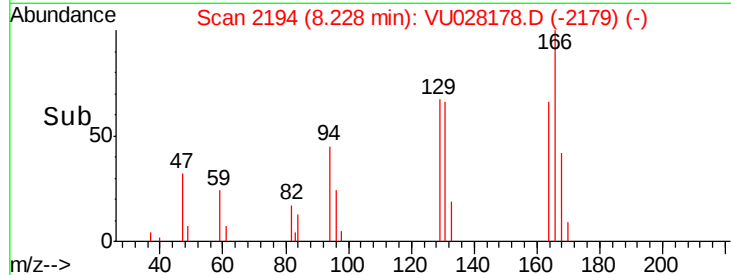
500

0

Time-->

8.20

8.25



#59

1,2,3-Trichloropropane

Concen: 1.157 ug/L

RT: 11.48 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU028178.D

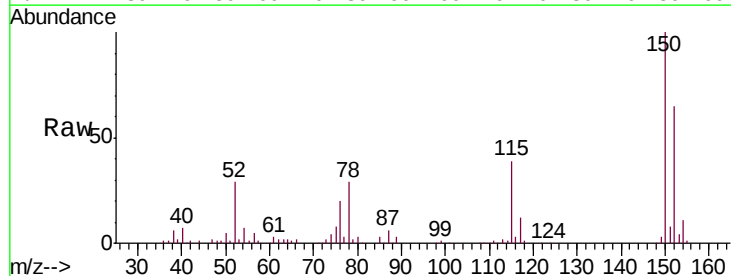
Acq: 15 Nov 2018 17:50

Tgt Ion: 75 Resp: 9818

Ion Ratio Lower Upper

75 100

77 42.1 25.4 38.0#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.48

6000

5000

4000

3000

2000

1000

0

Time-->

11.45

11.50

