

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U052019\
 Data File : VU032178.D
 Acq On : 21 May 2019 00:52
 Operator : JC/SP
 Sample : K2888-01
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 21 08:45:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR051619WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue May 21 08:29:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	341327	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	352198	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	139316	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	87818	3.05	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	61.00%
7) Chloroethane-d5	1.68	69	80390	3.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	65.40%
11) 1,1-Dichloroethene-d2	2.27	63	127937	2.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	55.80%#
20) 2-Butanone-d5	4.20	46	237381	42.05	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	84.10%
24) Chloroform-d	4.64	84	195422	3.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.40%
26) 1,2-Dichloroethane-d4	5.31	65	100876	3.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.40%
32) Benzene-d6	5.33	84	374831	3.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	69.80%#
36) 1,2-Dichloropropane-d6	6.33	67	112212	3.57	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	71.40%
41) Toluene-d8	7.56	98	304900	3.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	64.40%#
43) trans-1,3-Dichloropropene-	7.85	79	37124	3.28	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	65.60%
46) 2-Hexanone-d5	8.31	63	204820	40.12	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.24%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	105683	4.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	125605	4.25	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.00%

Target Compounds

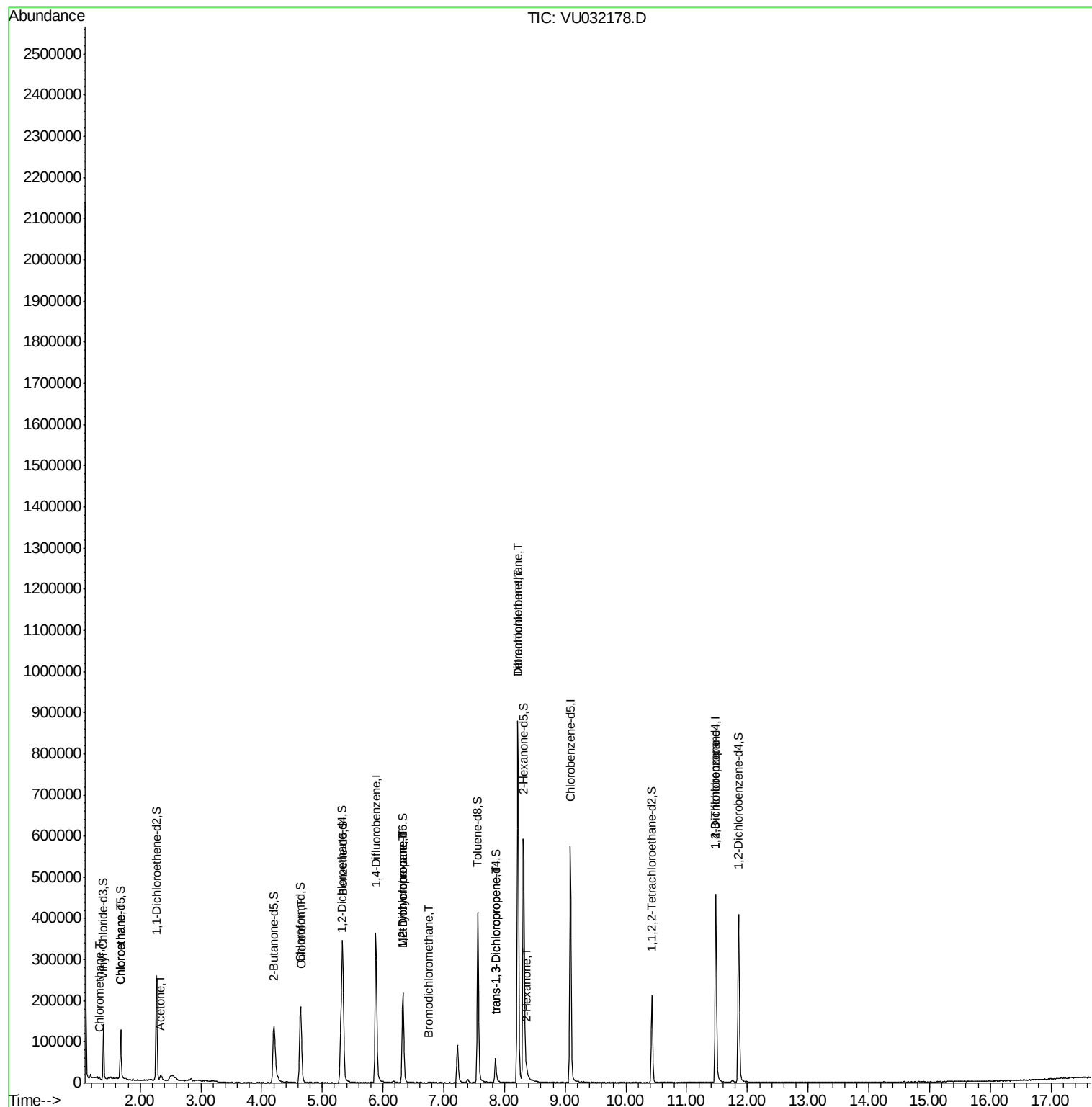
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.32	50	3231	0.197	ug/L	99
8) Chloroethane	1.67	64	1941	0.182	ug/L #	63
13) Acetone	2.34	43	13021	7.027	ug/L	95
25) Chloroform	4.66	83	3602	0.145	ug/L #	57
35) Methylcyclohexane	6.32	83	28874	1.367	ug/L #	20
37) 1,2-Dichloropropane	6.33	63	11909	0.901	ug/L #	86
38) Bromodichloromethane	6.76	83	1367	0.081	ug/L #	91
44) trans-1,3-Dichloropropene	7.85	75	1695	0.119	ug/L #	28
47) Tetrachloroethene	8.22	164	219172	19.986	ug/L	94
48) 2-Hexanone	8.37	43	10318	2.170	ug/L #	72
49) Dibromochloromethane	8.22	129	196864	17.488	ug/L #	10
59) 1,2,3-Trichloropropane	11.48	75	13468	1.604	ug/L #	80

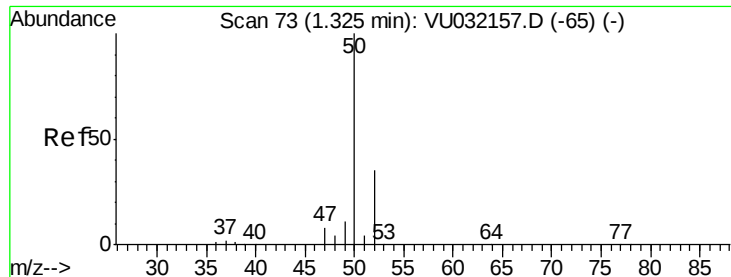
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 21 08:29:49 2019
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.197 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU032178.D

Acq: 21 May 2019 00:52

Instrument :

MSVOA_U

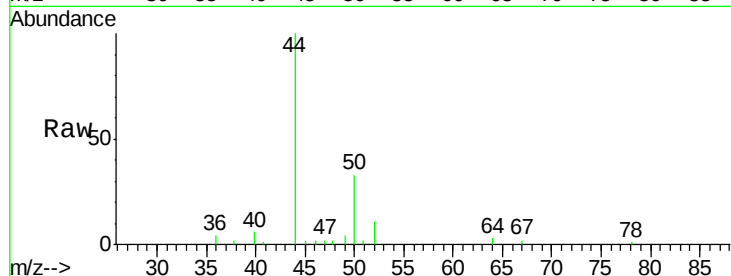
ClientSampleId :

Tot Ion: 50 Resp: 3231

Ion Ratio Lower Upper

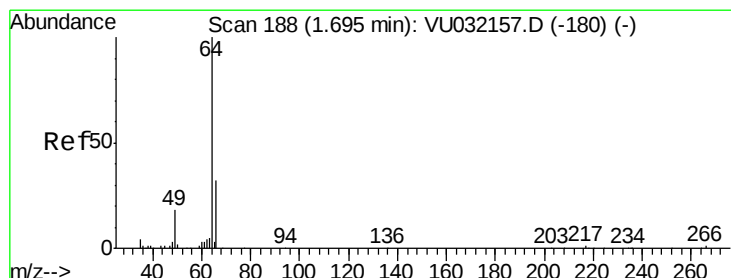
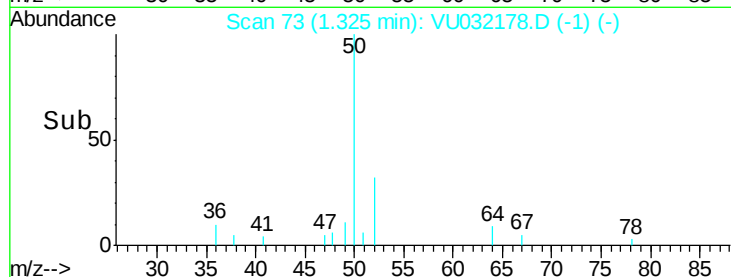
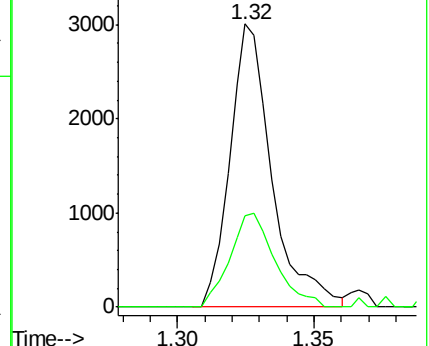
50 100

52 32.4 23.2 43.0



Abundance Ion 50.05 (49.75 to 50.75): VU0

Ion 52.05 (51.75 to 52.75): VU0



#8

Chloroethane

Concen: 0.182 ug/L

RT: 1.67 min Scan# 180

Delta R.T. -0.03 min

Lab File: VU032178.D

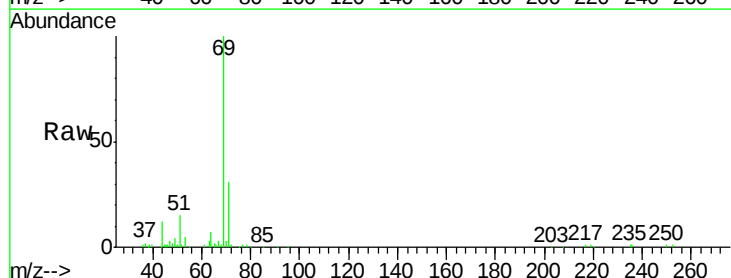
Acq: 21 May 2019 00:52

Tgt Ion: 64 Resp: 1941

Ion Ratio Lower Upper

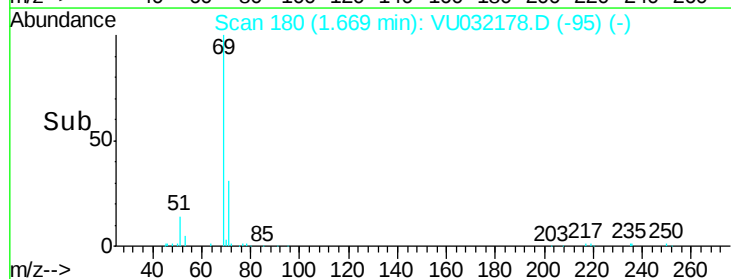
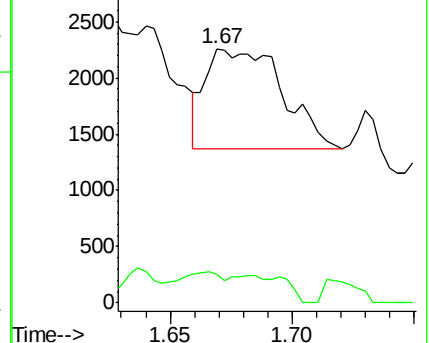
64 100

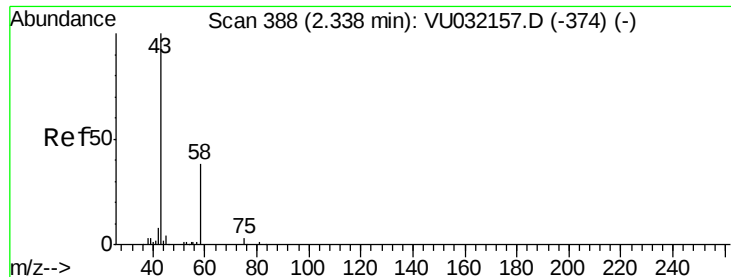
66 11.2 22.0 41.0#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0





#13

Acetone

Concen: 7.027 ug/L

RT: 2.34 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU032178.D

Acq: 21 May 2019 00:52

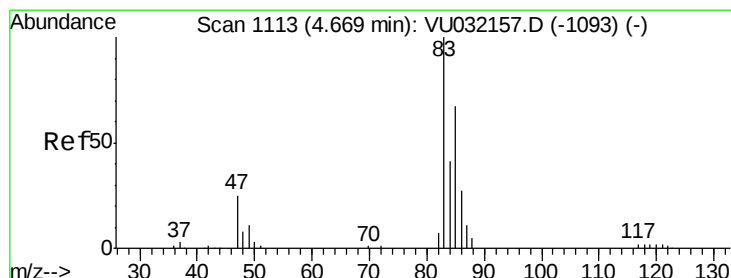
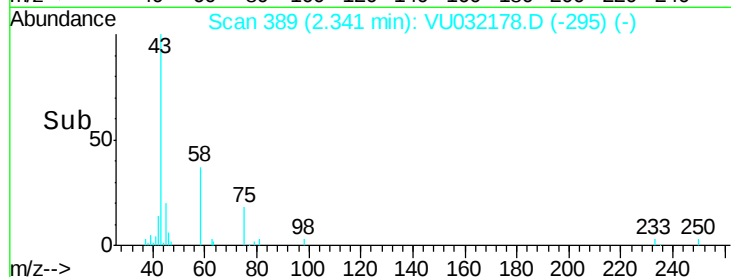
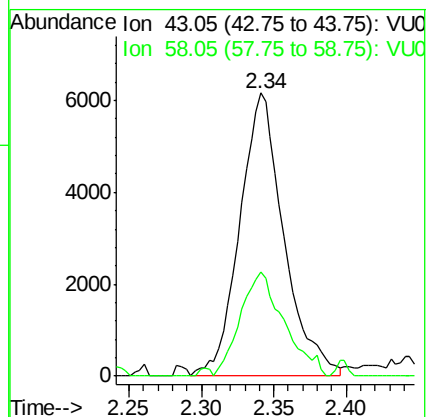
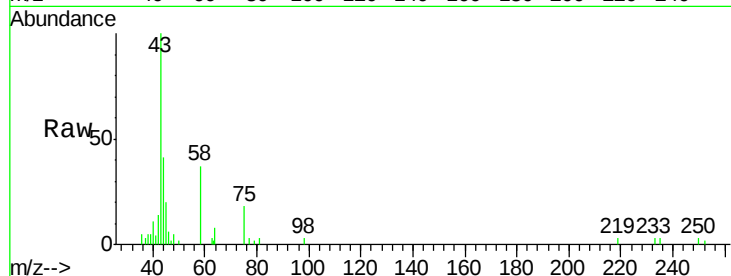
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 13021

Ion Ratio Lower Upper

43 100

58 36.5 0.0 78.8



#25

Chloroform

Concen: 0.145 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VU032178.D

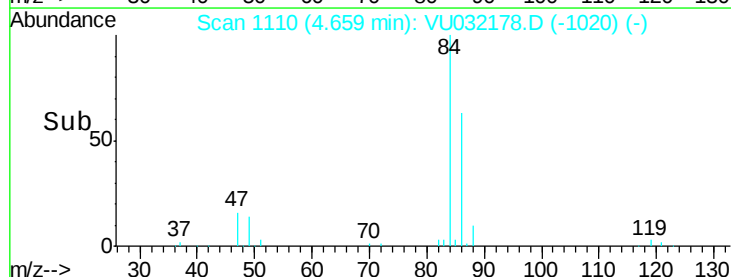
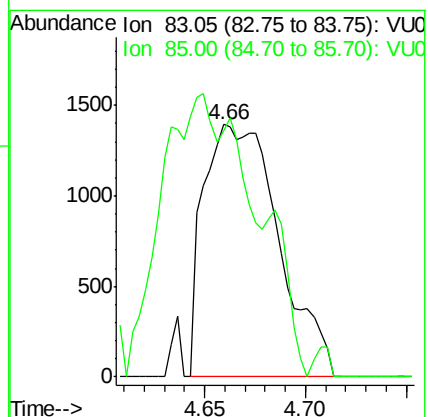
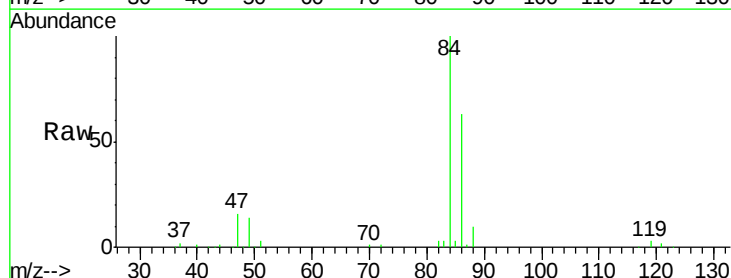
Acq: 21 May 2019 00:52

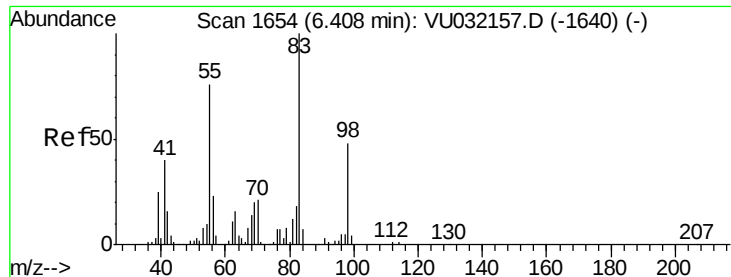
Tgt Ion: 83 Resp: 3602

Ion Ratio Lower Upper

83 100

85 97.5 44.9 83.3#





#35

Methvlcvclohexane

Concen: 1.367 ug/L

RT: 6.32 min Scan# 1628

Delta R.T. -0.08 min

Lab File: VU032178.D

Acq: 21 May 2019 00:52

Instrument :

MSVOA_U

ClientSampleId :

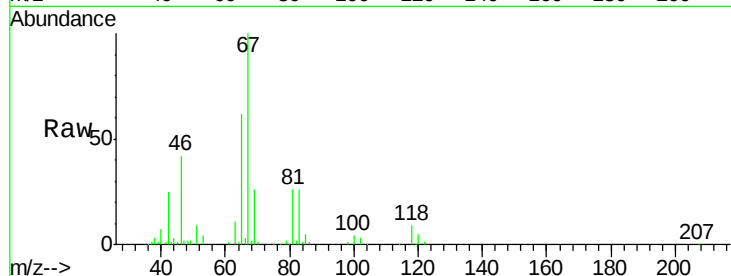
Tot Ion: 83 Resp: 28874

Ion Ratio Lower Upper

83 100

55 0.0 59.7 89.5#

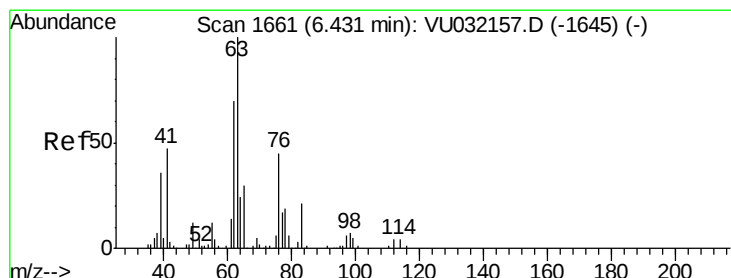
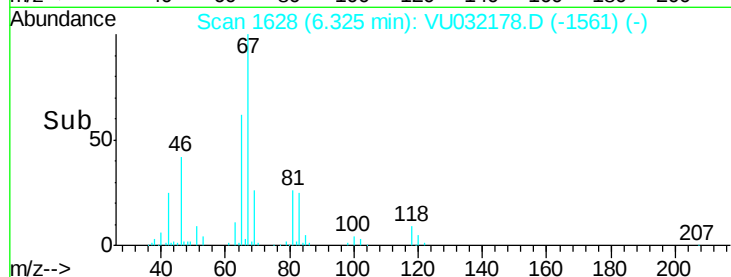
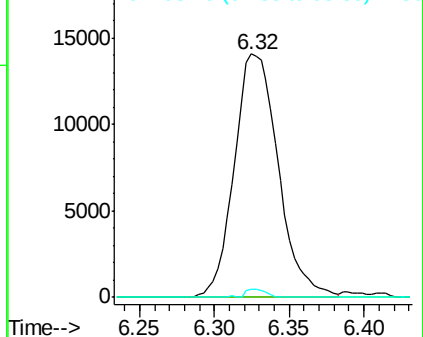
98 1.6 36.8 55.2#



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: 0.901 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.10 min

Lab File: VU032178.D

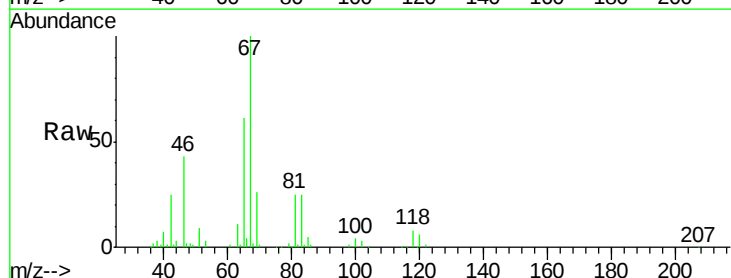
Acq: 21 May 2019 00:52

Tgt Ion: 63 Resp: 11909

Ion Ratio Lower Upper

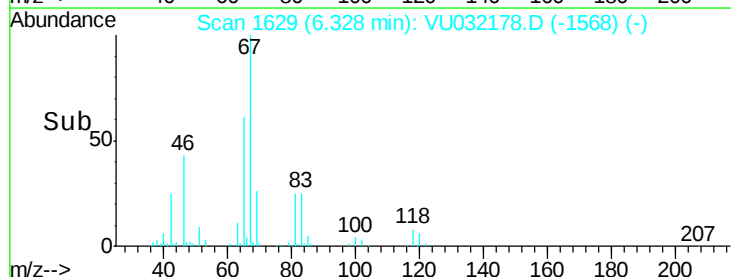
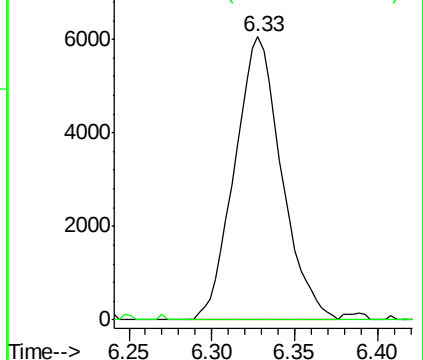
63 100

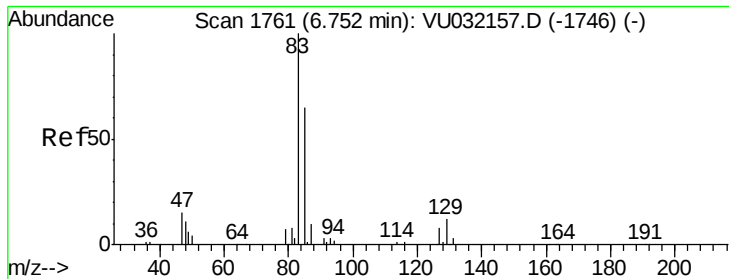
112 0.2 3.8 5.6#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V





#38

Bromodichloromethane

Concen: 0.081 ug/L

RT: 6.76 min Scan# 1763

Delta R.T. 0.01 min

Lab File: VU032178.D

Acq: 21 May 2019 00:52

Instrument :

MSVOA_U

ClientSampleId :

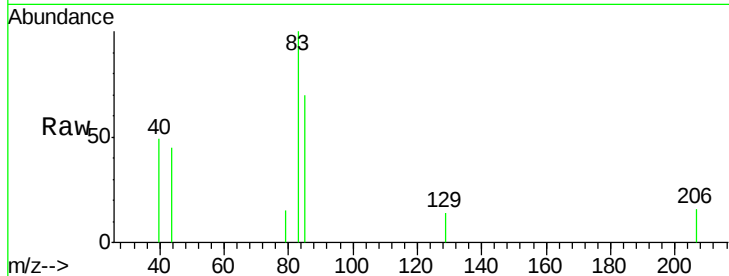
Tot Ion: 83 Resp: 1367

Ion Ratio Lower Upper

83 100

85 70.4 45.5 84.5

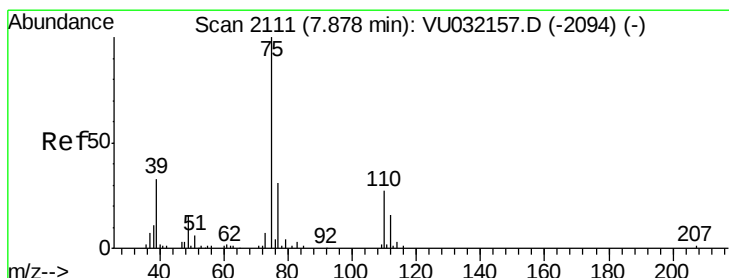
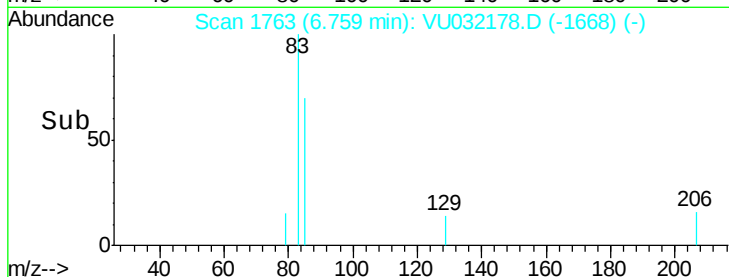
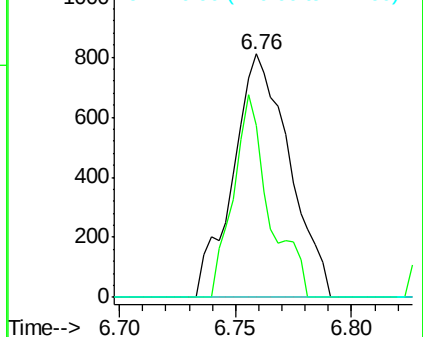
127 0.0 6.3 9.5#



Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 126.90 (126.60 to 127.60): V



#44

trans-1,3-Dichloropropene

Concen: 0.119 ug/L

RT: 7.85 min Scan# 2103

Delta R.T. -0.03 min

Lab File: VU032178.D

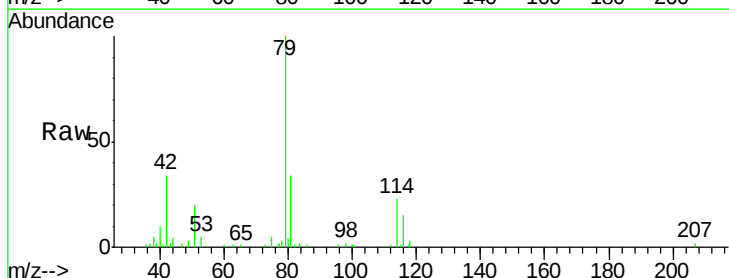
Acq: 21 May 2019 00:52

Tgt Ion: 75 Resp: 1695

Ion Ratio Lower Upper

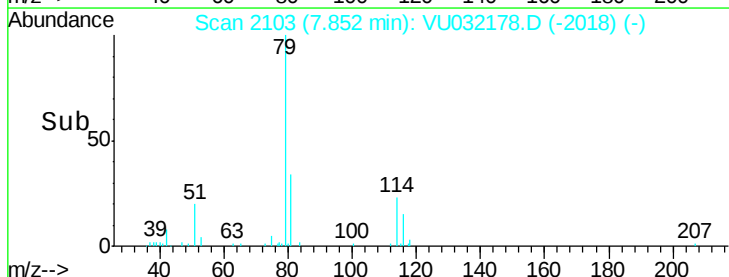
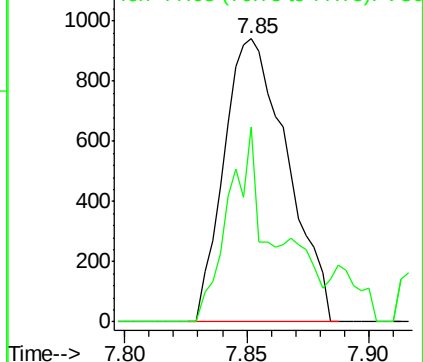
75 100

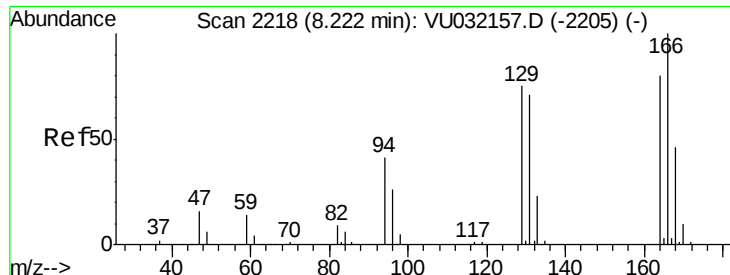
77 68.8 21.0 39.0#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0





#47

Tetrachloroethene

Concen: 19.986 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU032178.D

Acq: 21 May 2019 00:52

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:164 Resp: 219172

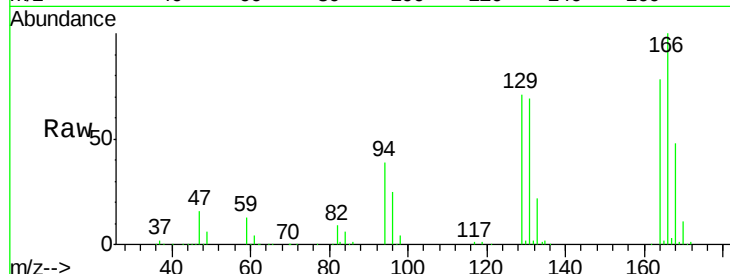
Ion Ratio Lower Upper

164 100

129 90.5 70.3 130.5

131 88.3 64.5 119.9

166 127.6 92.3 171.5

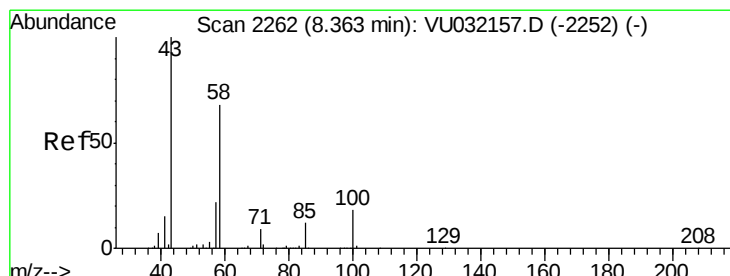
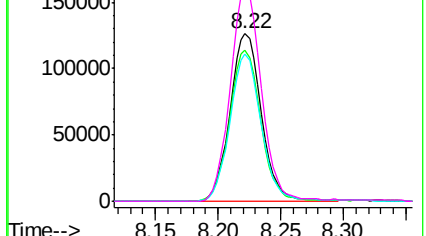
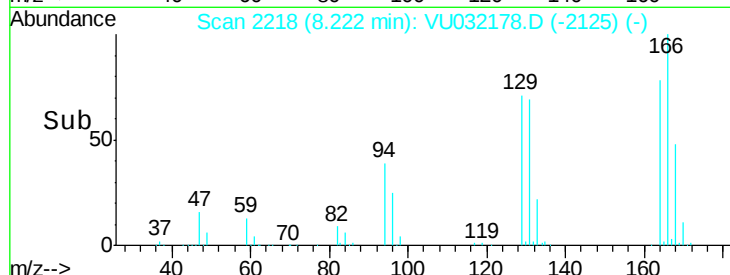


Abundance Ion 163.90 (163.60 to 164.60): V

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: 2.170 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. 0.01 min

Lab File: VU032178.D

Acq: 21 May 2019 00:52

Tgt Ion: 43 Resp: 10318

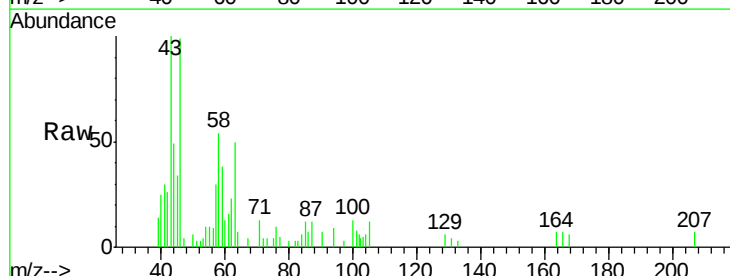
Ion Ratio Lower Upper

43 100

58 46.8 51.6 77.4#

57 0.0 18.4 27.6#

100 6.3 12.2 18.4#

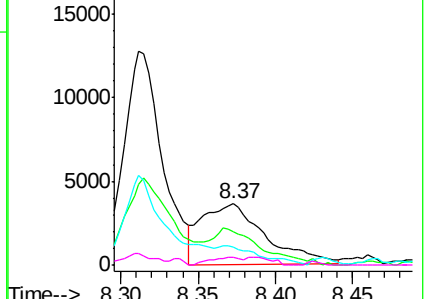
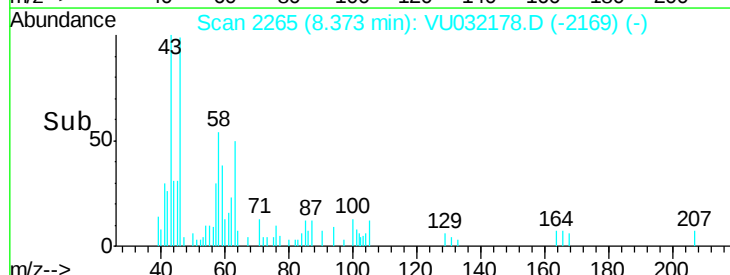


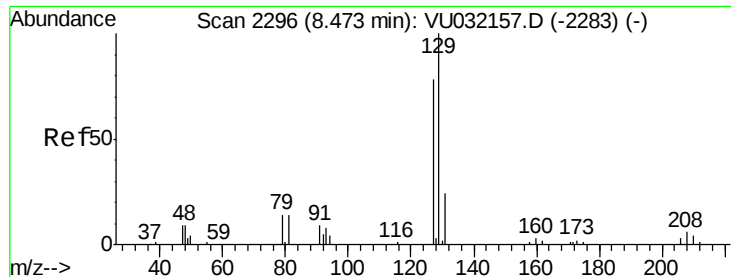
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 17.488 ug/L

RT: 8.22 min Scan# 2218

Delta R.T. -0.25 min

Lab File: VU032178.D

Acq: 21 May 2019 00:52

Instrument :

MSVOA_U

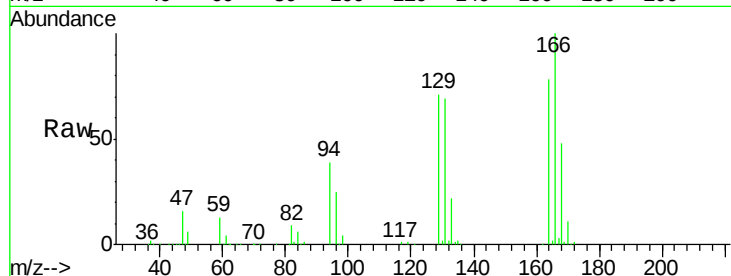
ClientSampleId :

Tot Ion:129 Resp: 196864

Ion Ratio Lower Upper

129 100

127 0.0 55.2 102.6#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.22

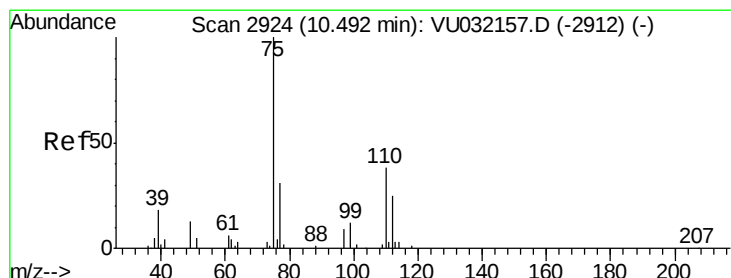
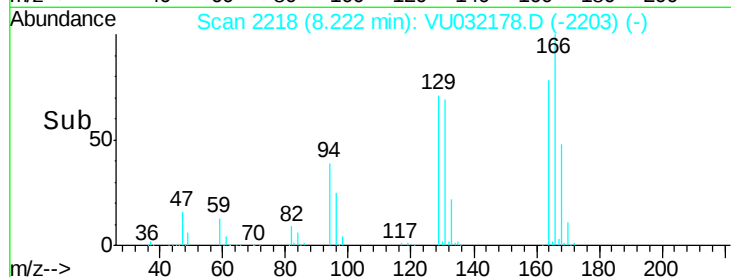
100000

50000

0

Time-->

8.15 8.20 8.25 8.30



#59

1,2,3-Trichloropropane

Concen: 1.604 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU032178.D

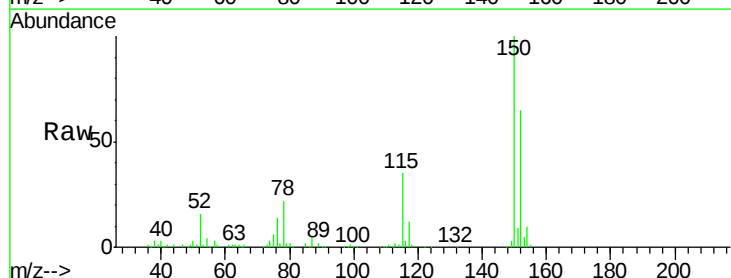
Acq: 21 May 2019 00:52

Tgt Ion: 75 Resp: 13468

Ion Ratio Lower Upper

75 100

77 44.1 26.2 39.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.48

8000

6000

4000

2000

0

Time-->

11.45 11.50 11.55

