

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061320\
 Data File : VU038860.D
 Acq On : 12 Jun 2020 18:37
 Operator : SY/MD
 Sample : L2990-06
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 13 01:00:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jun 13 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	269498	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	270642	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	126453	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	92304	6.28	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	125.60%
7) Chloroethane-d5	1.93	69	76296	6.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	129.40%
11) 1,1-Dichloroethene-d2	2.59	63	157816	4.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.40%
20) 2-Butanone-d5	4.67	46	300167	65.11	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	130.22%#
24) Chloroform-d	5.10	84	184182	5.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.20%
26) 1,2-Dichloroethane-d4	5.74	65	109284	5.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	118.80%
32) Benzene-d6	5.76	84	374706	5.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	118.40%
36) 1,2-Dichloropropane-d6	6.72	67	110486	5.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	116.80%
41) Toluene-d8	7.92	98	306068	5.28	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.60%
43) trans-1,3-Dichloropropene-	8.20	79	46693	5.56	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	111.20%
46) 2-Hexanone-d5	8.65	63	256870	68.81	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	137.62%#
57) 1,1,2,2-Tetrachloroethane-	10.77	84	96906	5.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	117.00%
64) 1,2-Dichlorobenzene-d4	12.20	152	123051	5.98	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	119.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.50	85	6928	0.264	ug/L	96
12) 1,1-Dichloroethene	2.61	96	25660	1.359	ug/L #	32
13) Acetone	2.67	43	4166	1.114	ug/L	56
18) trans-1,2-Dichloroethene	3.39	96	3421	0.169	ug/L	84
19) 1,1-Dichloroethane	3.91	63	274925	7.538	ug/L	97
22) cis-1,2-Dichloroethene	4.71	96	28623	1.356	ug/L	95
29) 1,1,1-Trichloroethane	5.35	97	297225	8.899	ug/L	99
31) Carbon tetrachloride	5.35	117	37969	1.347	ug/L	95
34) Trichloroethene	6.57	95	54262	2.541	ug/L	98
35) Methylcyclohexane	6.72	83	27065	0.815	ug/L #	17
37) 1,2-Dichloropropane	6.72	63	11828	0.574	ug/L #	86
39) cis-1,3-Dichloropropene	7.59	75	3192	0.105	ug/L	86
47) Tetrachloroethene	8.57	164	16541	1.006	ug/L	94
49) Dibromochloromethane	8.57	129	16610	0.947	ug/L #	10
59) 1,2,3-Trichloropropane	11.82	75	15968	1.045	ug/L #	87

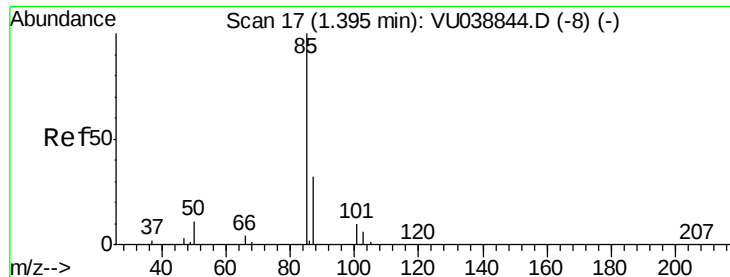
Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061320\
Data File : VU038860.D
Acq On : 12 Jun 2020 18:37
Operator : SY/MD
Sample : L2990-06
Misc : 25.0mL/MSVOA U/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :

Quant Time: Jun 13 01:00:13 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jun 13 00:56:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#2

Dichlorodifluoromethane

Concen: 0.264 ug/L

RT: 1.50 min Scan# 50

Delta R.T. 0.11 min

Lab File: VU038860.D

Acq: 12 Jun 2020 18:37

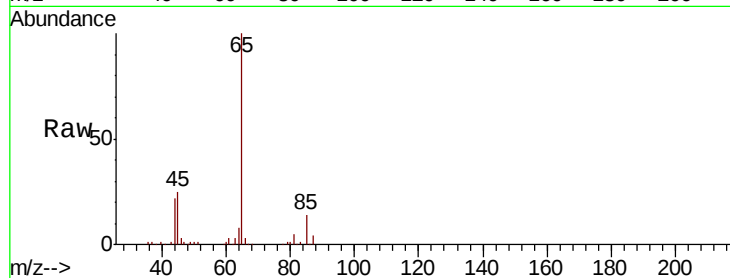
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 6928

Ion Ratio Lower Upper

85 100

87 30.3 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VU038860.D (-50) (-)

Ion 87.00 (86.70 to 87.70): VU038860.D (-50) (-)

1.50

8000

6000

4000

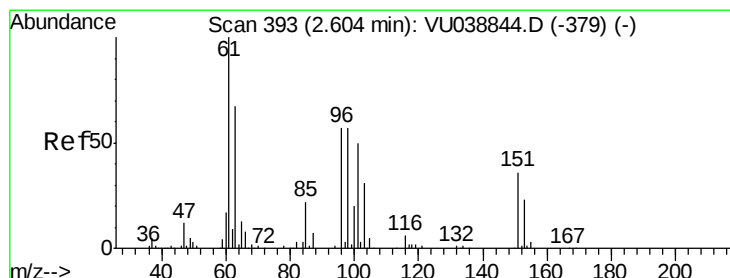
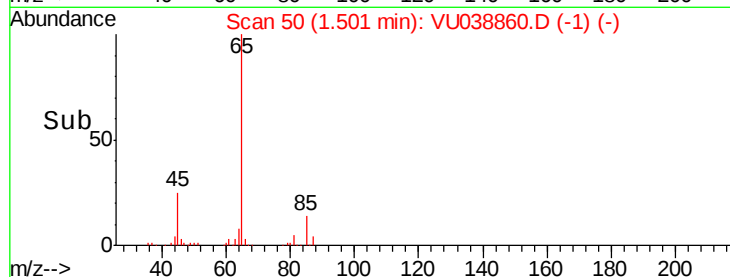
2000

0

1.50

1.55

Time-->



#12

1,1-Dichloroethene

Concen: 1.359 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038860.D

Acq: 12 Jun 2020 18:37

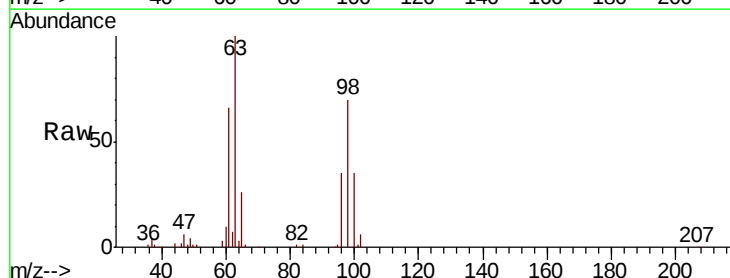
Tgt Ion: 96 Resp: 25660

Ion Ratio Lower Upper

96 100

61 191.6 120.2 223.2

63 289.7 90.1 167.3#



Abundance Ion 96.00 (95.70 to 96.70): VU038860.D (-394) (-)

Ion 61.05 (60.75 to 61.75): VU038860.D (-394) (-)

Ion 63.00 (62.70 to 63.70): VU038860.D (-394) (-)

120000

100000

80000

60000

40000

20000

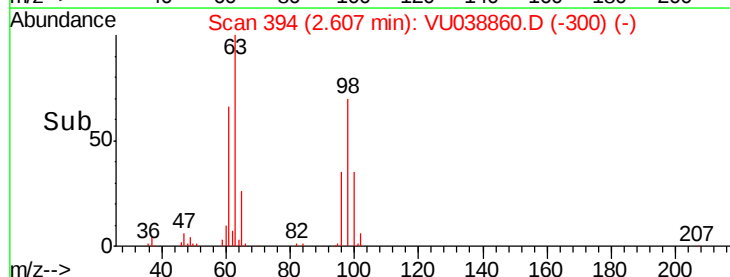
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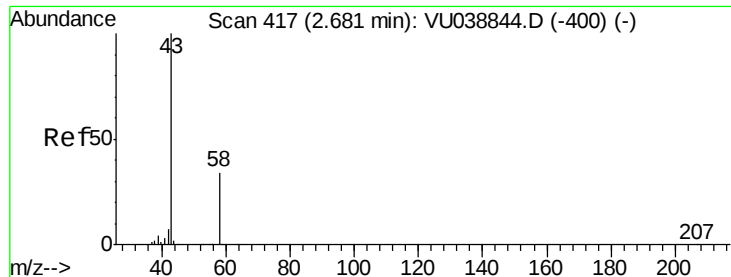
2.61

2.55

2.65

Time-->





#13

Acetone

Concen: 1.114 ug/L

RT: 2.67 min Scan# 415

Delta R.T. -0.01 min

Lab File: VU038860.D

Acq: 12 Jun 2020 18:37

Instrument :

MSVOA_U

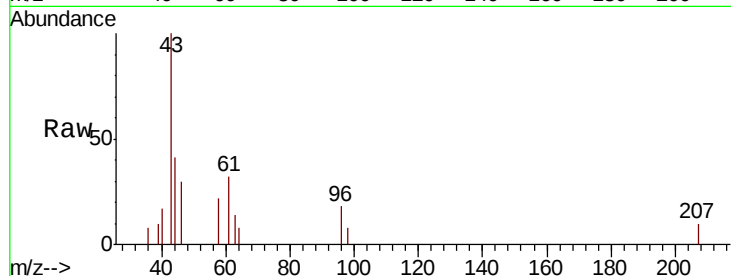
ClientSampled :

Tot Ion: 43 Resp: 4166

Ion Ratio Lower Upper

43 100

58 8.1 0.0 66.0



Abundance Ion 43.05 (42.75 to 43.75): VU038844.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU038844.D (-400) (-)

2.67

1500

1000

500

0

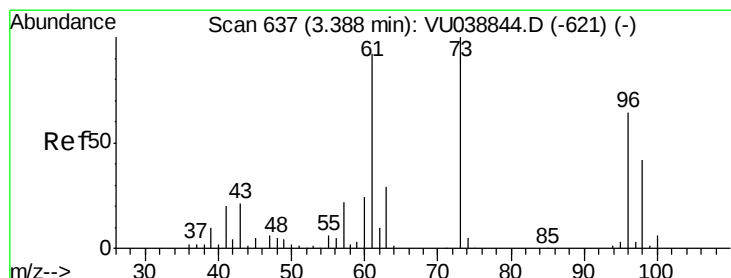
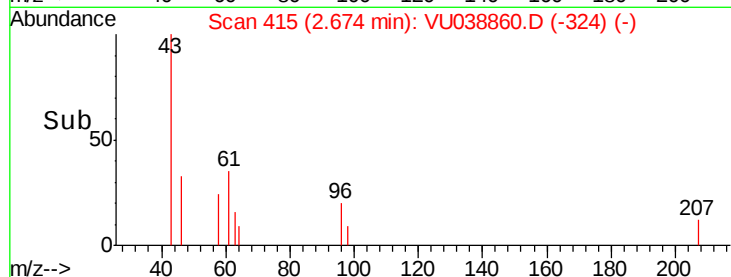
Time-->

2.60

2.65

2.70

2.75



#18

trans-1,2-Dichloroethene

Concen: 0.169 ug/L

RT: 3.39 min Scan# 637

Delta R.T. -0.00 min

Lab File: VU038860.D

Acq: 12 Jun 2020 18:37

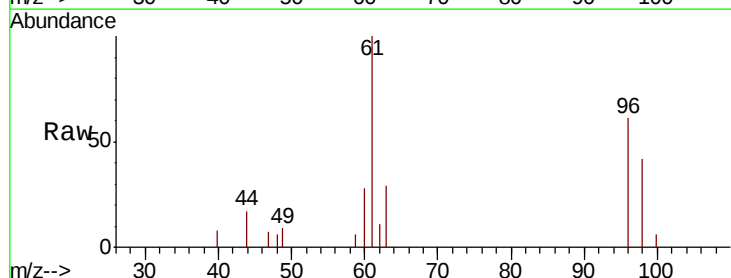
Tgt Ion: 96 Resp: 3421

Ion Ratio Lower Upper

96 100

61 164.8 99.3 184.5

98 69.6 43.9 81.5



Abundance Ion 96.00 (95.70 to 96.70): VU038844.D (-621) (-)

Ion 61.05 (60.75 to 61.75): VU038844.D (-621) (-)

Ion 97.95 (97.65 to 98.65): VU038844.D (-621) (-)

3.39

3000

2000

1000

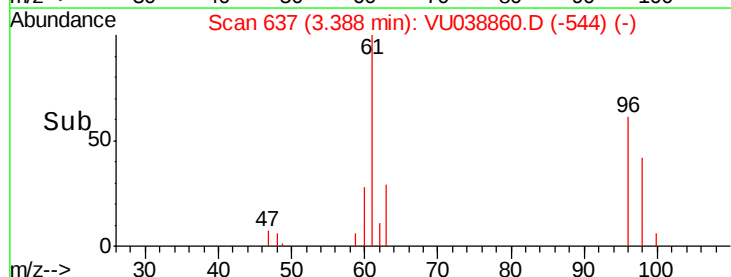
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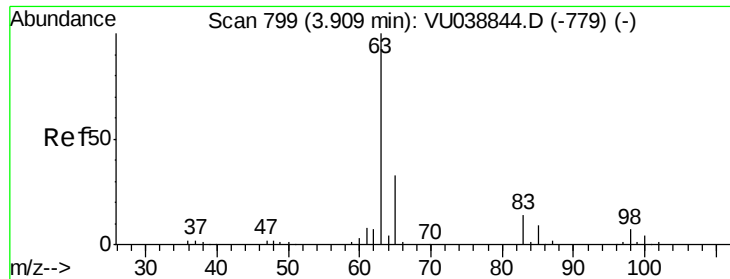
Time-->

3.35

3.40

3.45

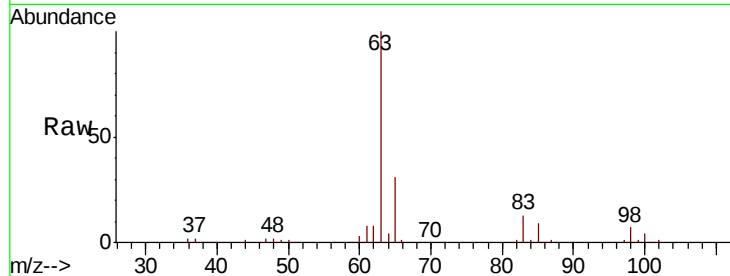




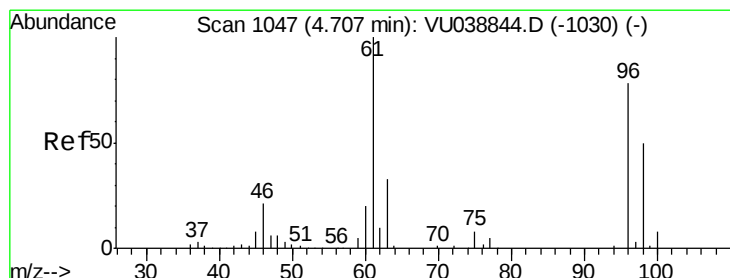
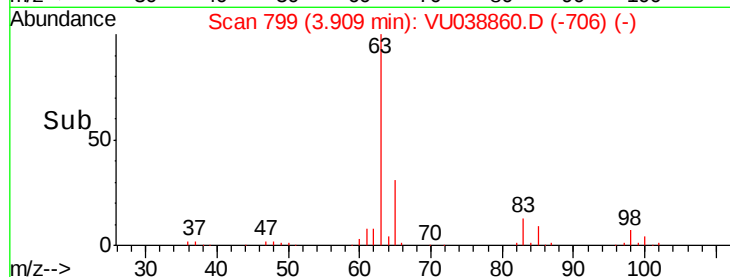
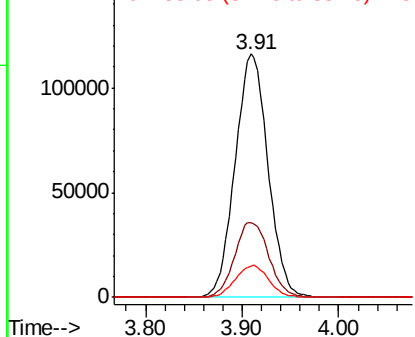
#19
 1,1-Dichloroethane
 Concen: 7.538 ug/L
 RT: 3.91 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: VU038860.D
 Acq: 12 Jun 2020 18:37

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion: 63 Resp: 274925
 Ion Ratio Lower Upper
 63 100
 65 30.6 22.3 41.5
 83 13.0 10.1 18.9

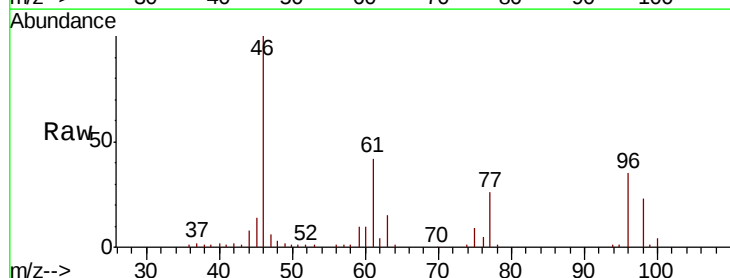


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

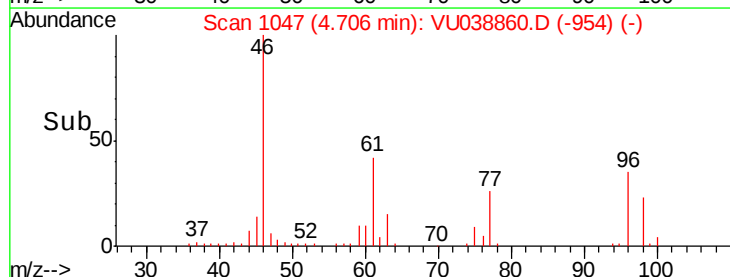
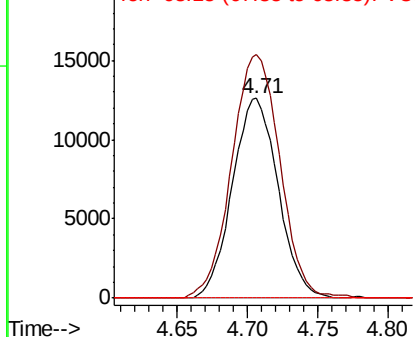


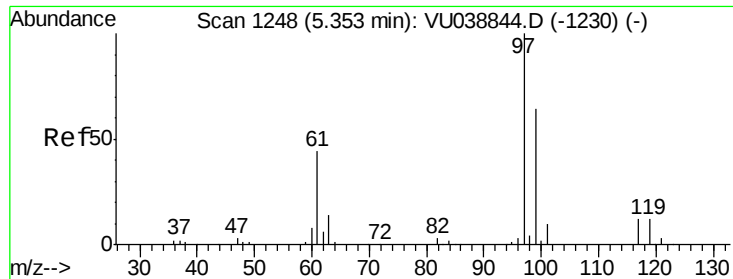
#22
 cis-1,2-Dichloroethene
 Concen: 1.356 ug/L
 RT: 4.71 min Scan# 1047
 Delta R.T. -0.00 min
 Lab File: VU038860.D
 Acq: 12 Jun 2020 18:37

Tgt Ion: 96 Resp: 28623
 Ion Ratio Lower Upper
 96 100
 61 122.0 89.7 166.7
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.05 (60.75 to 61.75): VU0
 Ion 68.15 (67.85 to 68.85): VU0

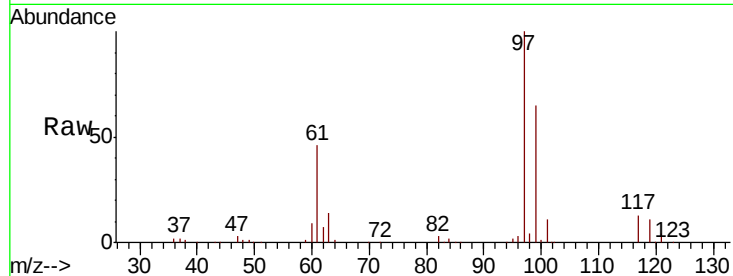




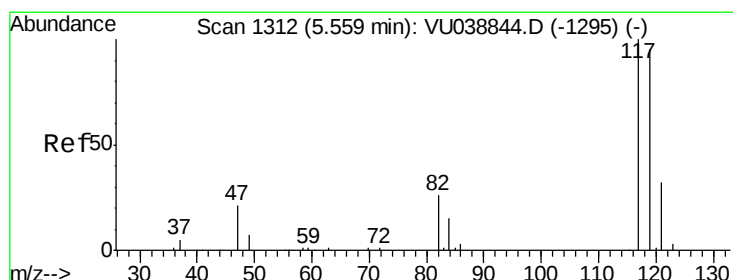
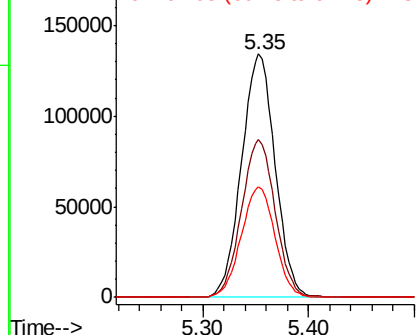
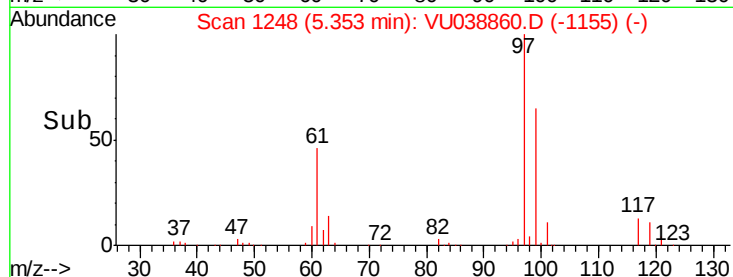
#29
 1,1,1-Trichloroethane
 Concen: 8.899 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.00 min
 Lab File: VU038860.D
 Acq: 12 Jun 2020 18:37

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 97 Resp: 297225
 Ion Ratio Lower Upper
 97 100
 99 65.2 52.1 78.1
 61 45.7 35.9 53.9

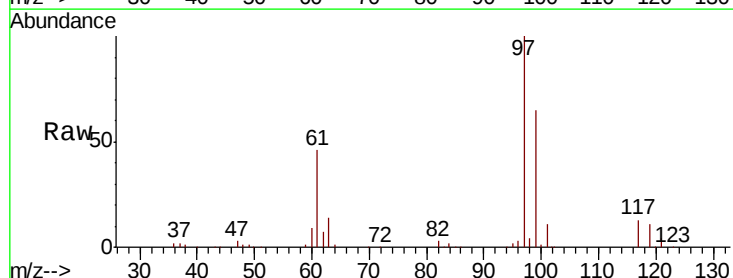


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

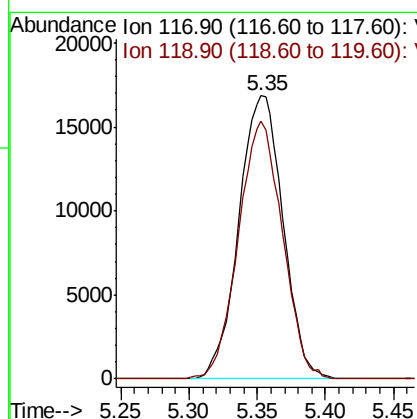
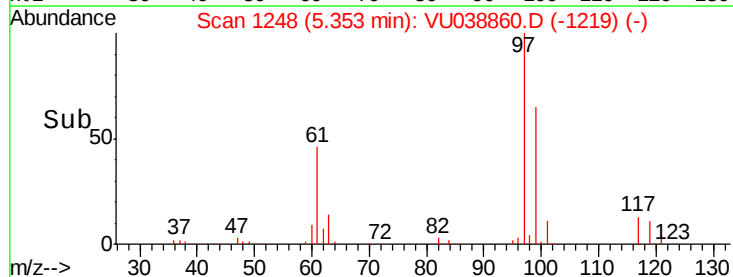


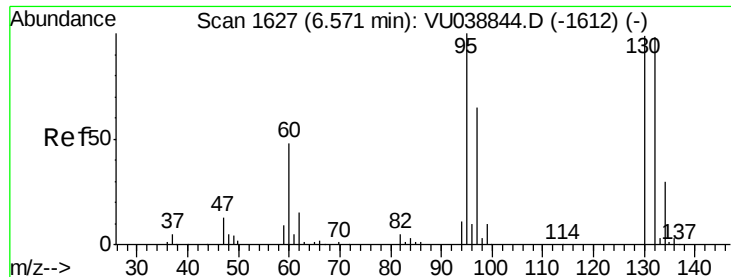
#31
 Carbon tetrachloride
 Concen: 1.347 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.21 min
 Lab File: VU038860.D
 Acq: 12 Jun 2020 18:37

Tgt Ion: 117 Resp: 37969
 Ion Ratio Lower Upper
 117 100
 119 90.5 76.2 114.2



Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 118.90 (118.60 to 119.60): V

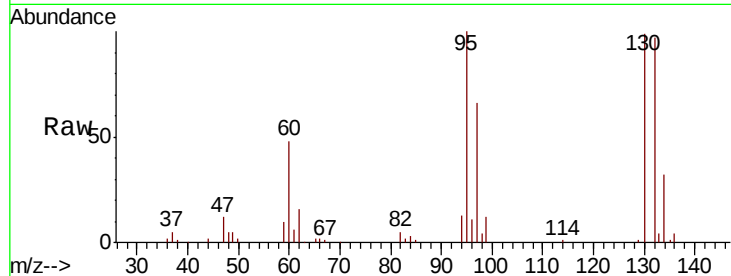




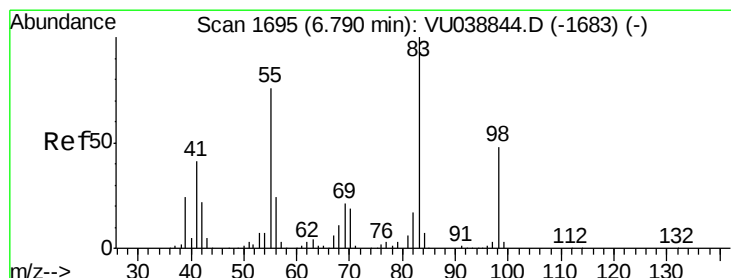
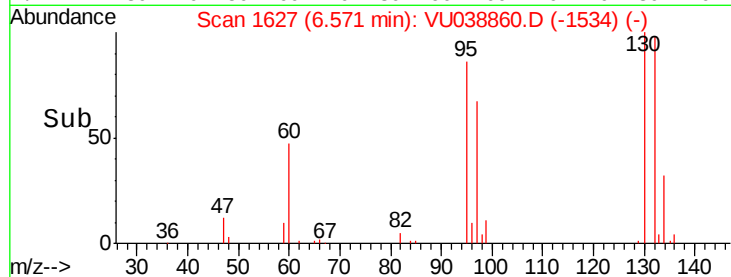
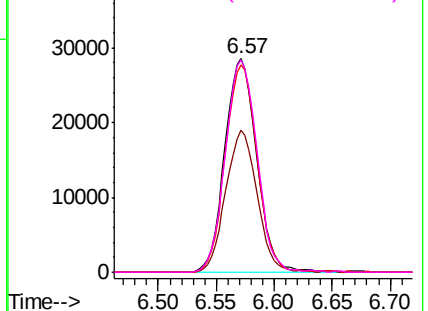
#34
 Trichloroethene
 Concen: 2.541 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU038860.D
 Acq: 12 Jun 2020 18:37

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 54262
 Ion Ratio Lower Upper
 95 100
 97 66.4 46.1 85.5
 132 97.3 67.5 125.3
 130 99.2 66.7 123.9

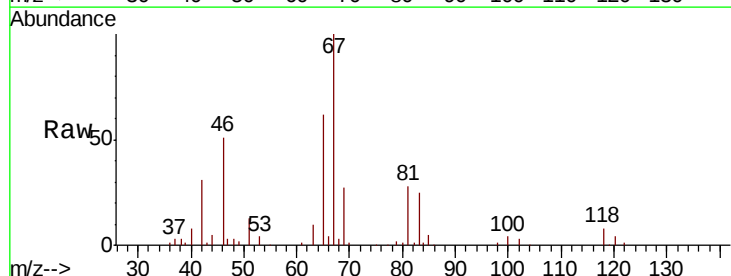


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

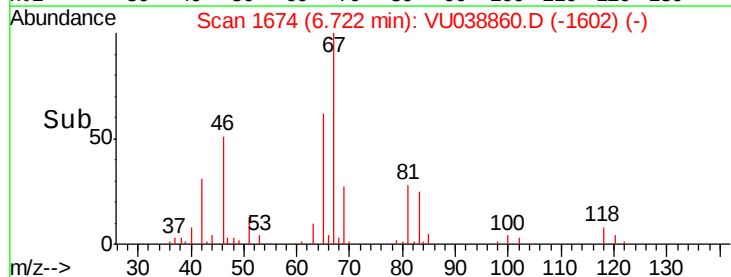
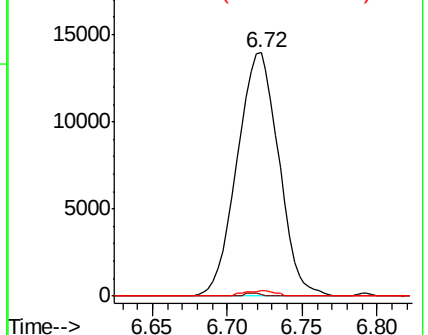


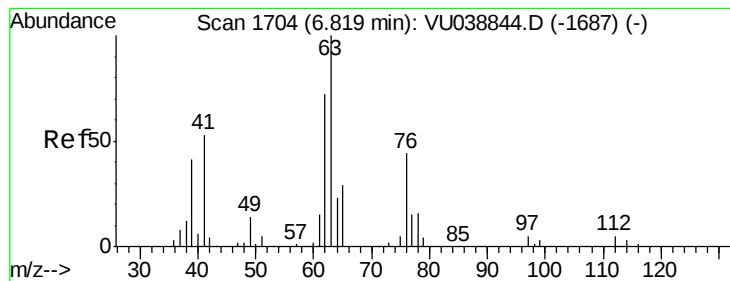
#35
 Methylcyclohexane
 Concen: 0.815 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.07 min
 Lab File: VU038860.D
 Acq: 12 Jun 2020 18:37

Tgt Ion: 83 Resp: 27065
 Ion Ratio Lower Upper
 83 100
 55 0.4 64.2 96.2#
 98 1.6 40.5 60.7#



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: 0.574 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.10 min

Lab File: VU038860.D

Acq: 12 Jun 2020 18:37

Instrument :

MSVOA_U

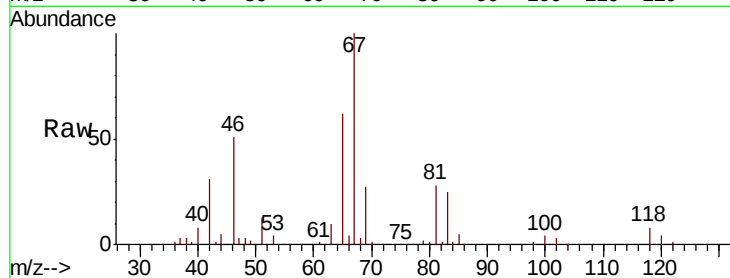
ClientSampleId :

Tot Ion: 63 Resp: 11828

Ion Ratio Lower Upper

63 100

112 0.0 3.8 5.6#



Abundance Ion 63.10 (62.80 to 63.80): VU038844.D (-1687) (-)

Ion 112.10 (111.80 to 112.80): VU038844.D (-1687) (-)

6.72

6000

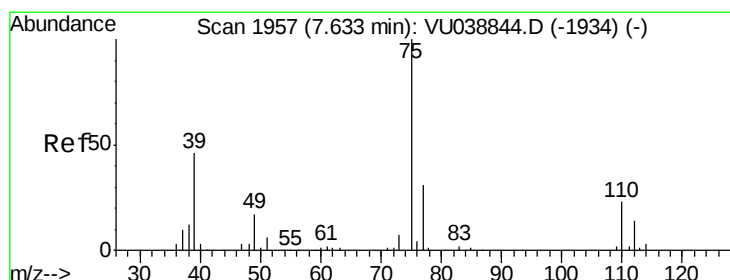
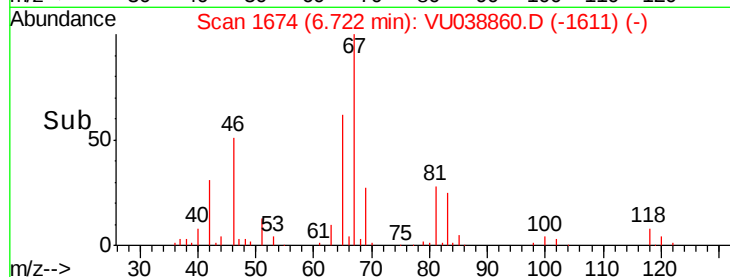
4000

2000

0

6.65 6.70 6.75 6.80

Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.105 ug/L

RT: 7.59 min Scan# 1943

Delta R.T. -0.05 min

Lab File: VU038860.D

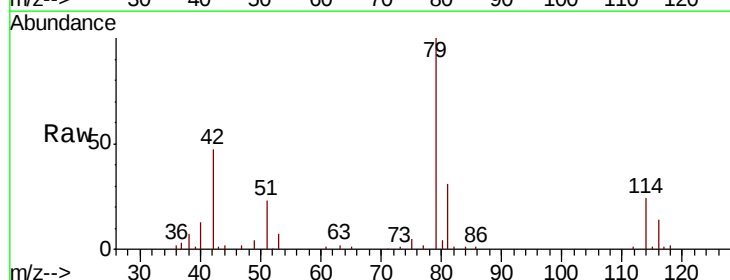
Acq: 12 Jun 2020 18:37

Tgt Ion: 75 Resp: 3192

Ion Ratio Lower Upper

75 100

77 40.0 22.4 41.6



Abundance Ion 75.05 (74.75 to 75.75): VU038844.D (-1934) (-)

Ion 77.05 (76.75 to 77.75): VU038844.D (-1934) (-)

7.59

2000

1500

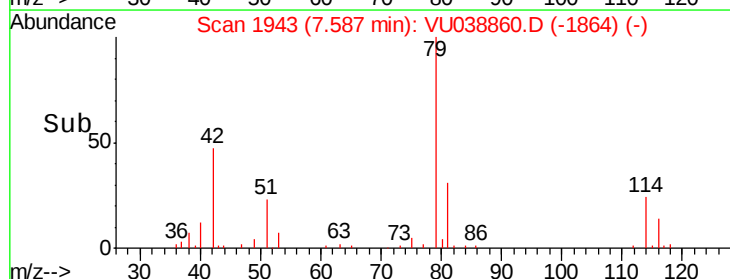
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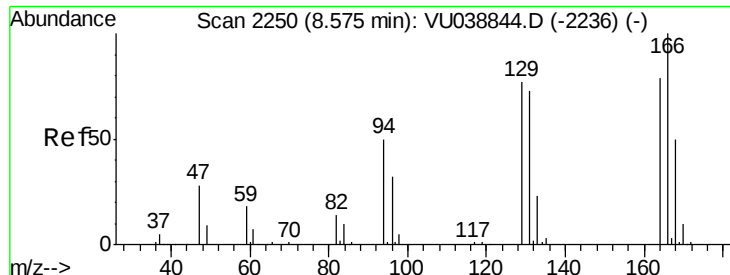
500

0

7.55 7.60

Time-->





#47

Tetrachloroethene

Concen: 1.006 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.00 min

Lab File: VU038860.D

Acq: 12 Jun 2020 18:37

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:164 Resp: 16541

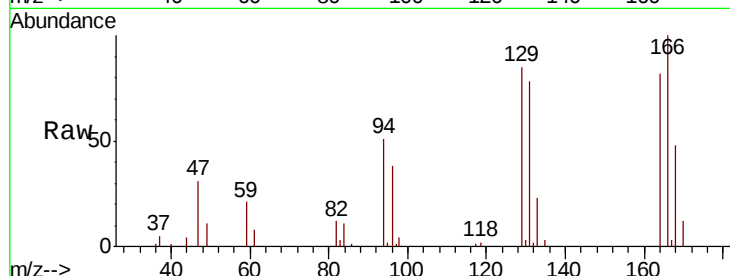
Ion Ratio Lower Upper

164 100

129 104.4 67.3 124.9

131 95.6 65.0 120.6

166 122.2 91.0 169.0

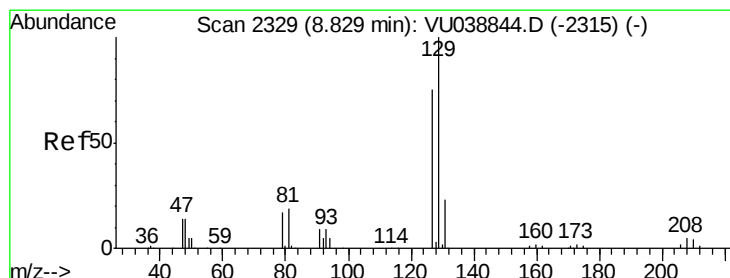
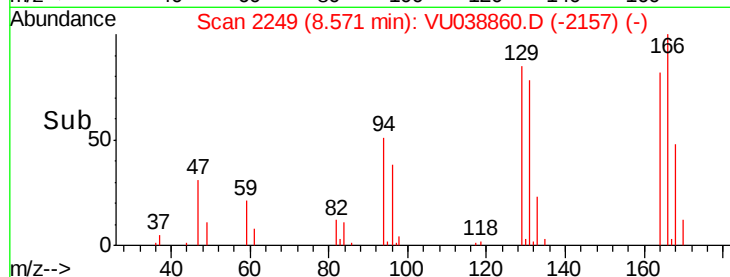
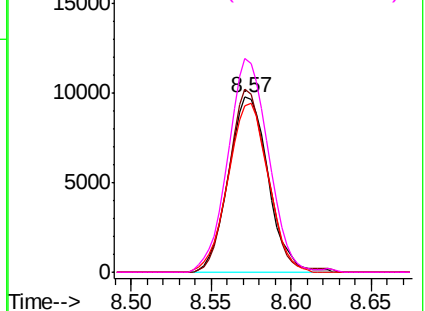


Abundance Ion 163.90 (163.60 to 164.60): V

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



#49

Dibromochloromethane

Concen: 0.947 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.26 min

Lab File: VU038860.D

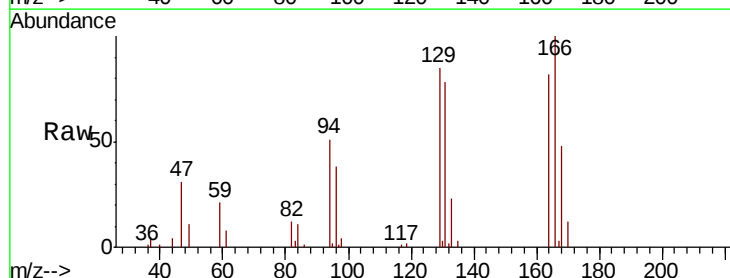
Acq: 12 Jun 2020 18:37

Tgt Ion:129 Resp: 16610

Ion Ratio Lower Upper

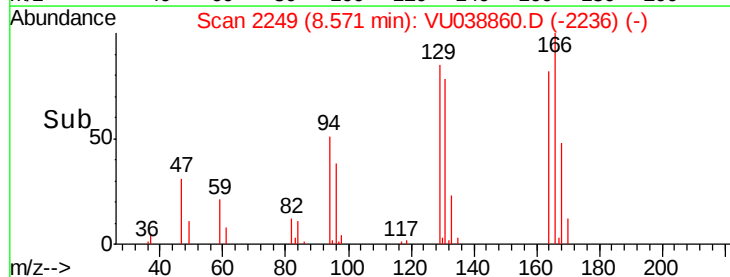
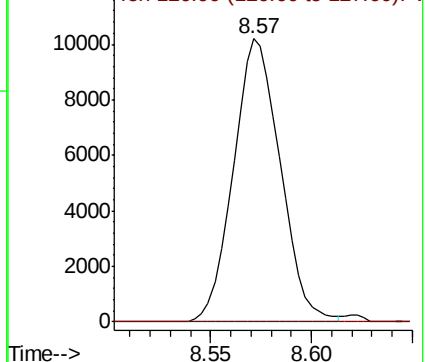
129 100

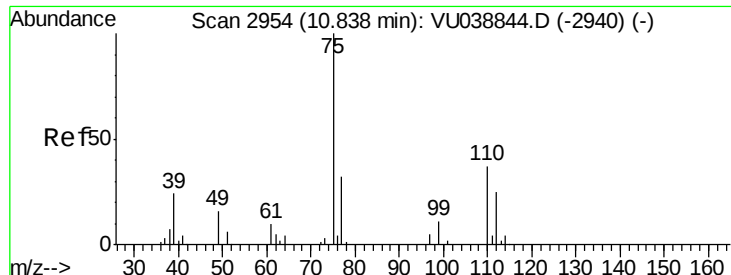
127 0.0 55.5 103.1#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V





#59

1,2,3-Trichloropropane

Concen: 1.045 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU038860.D

Acq: 12 Jun 2020 18:37

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 75 Resp: 15968

Ion Ratio Lower Upper

75 100

77 39.5 25.8 38.8#

