

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051320\
 Data File : VU038155.D
 Acq On : 13 May 2020 19:44
 Operator : JC/MD
 Sample : L2631-09
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 14 01:16:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu May 14 01:11:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	351625	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	340774	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	161784	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	115971	3.61	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	72.20%
7) Chloroethane-d5	1.93	69	113424	4.08	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.60%
11) 1,1-Dichloroethene-d2	2.59	63	163005	3.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.60%
20) 2-Butanone-d5	4.67	46	455711	57.43	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.86%
24) Chloroform-d	5.10	84	220962	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.60%
26) 1,2-Dichloroethane-d4	5.74	65	136190	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.40%
32) Benzene-d6	5.76	84	467653	4.58	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.60%
36) 1,2-Dichloropropane-d6	6.72	67	158537	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.20%
41) Toluene-d8	7.92	98	409938	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
43) trans-1,3-Dichloropropene-	8.20	79	57997	4.39	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.80%
46) 2-Hexanone-d5	8.65	63	370678	59.46	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	118.92%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	130694	5.03	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	100.60%
64) 1,2-Dichlorobenzene-d4	12.20	152	152527	4.84	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.60	96	12479	0.511	ug/L #	1
13) Acetone	2.66	43	15970	3.208	ug/L	97
17) Methyl tert-butyl Ether	3.40	73	11237	0.166	ug/L #	90
19) 1,1-Dichloroethane	3.91	63	67246	1.292	ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	23524	0.819	ug/L	98
25) Chloroform	5.12	83	29352	0.605	ug/L	100
29) 1,1,1-Trichloroethane	5.35	97	27238	0.698	ug/L	96
31) Carbon tetrachloride	5.35	117	3503	0.112	ug/L	89
34) Trichloroethene	6.57	95	1572181	57.603	ug/L	98
35) Methylcyclohexane	6.72	83	34025	0.770	ug/L #	16
37) 1,2-Dichloropropane	6.72	63	16251	0.548	ug/L #	88
39) cis-1,3-Dichloropropene	7.59	75	3637	0.086	ug/L #	51
47) Tetrachloroethene	8.57	164	34900	1.828	ug/L	97
48) 2-Hexanone	8.71	43	25837	1.717	ug/L #	94
49) Dibromochloromethane	8.57	129	32394	1.516	ug/L #	10
59) 1,2,3-Trichloropropane	10.84	75	4136	0.208	ug/L	90

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Quant Time: May 14 01:16:34 2020
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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu May 14 01:11:51 2020
Response via : Initial Calibration

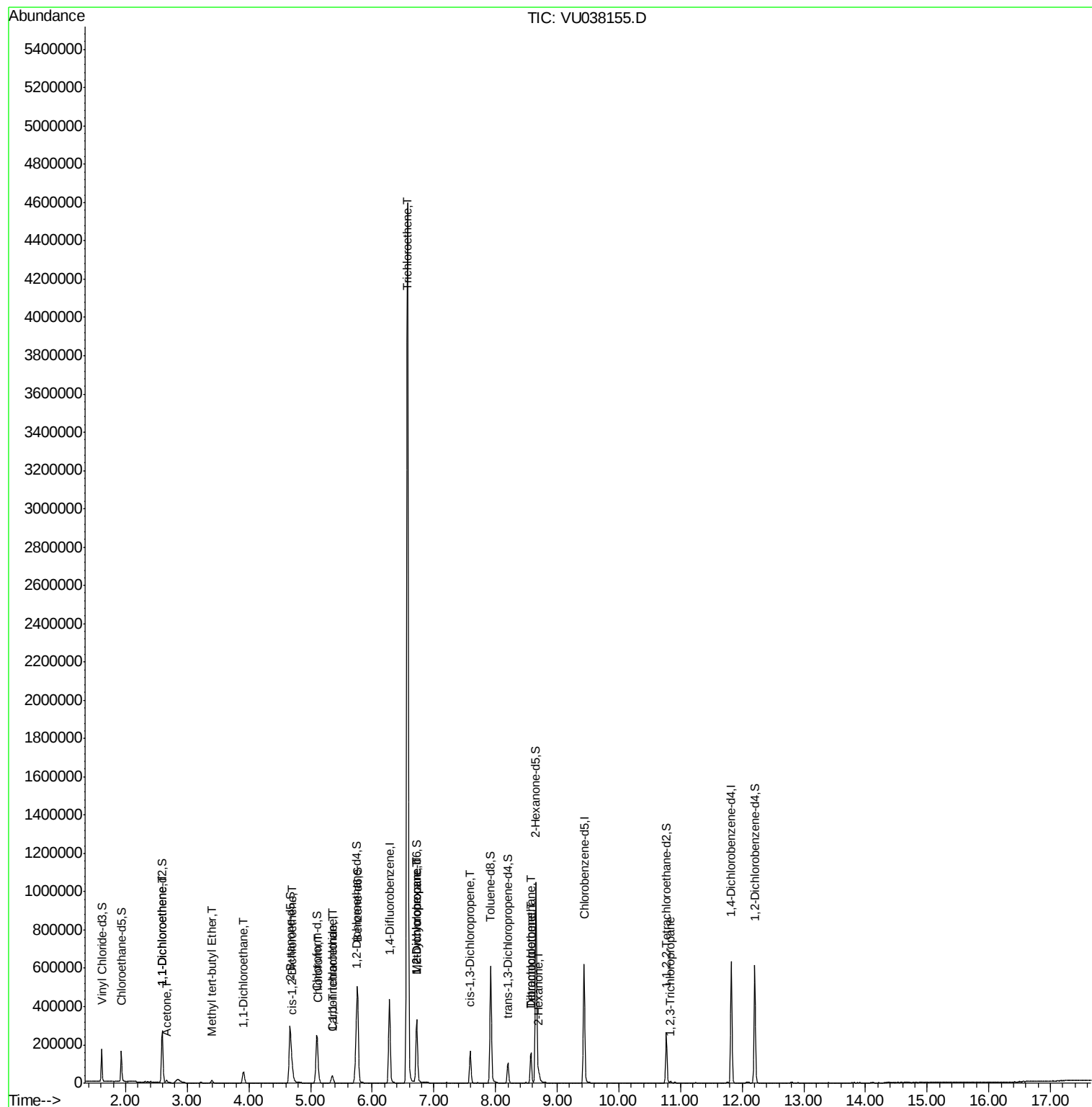
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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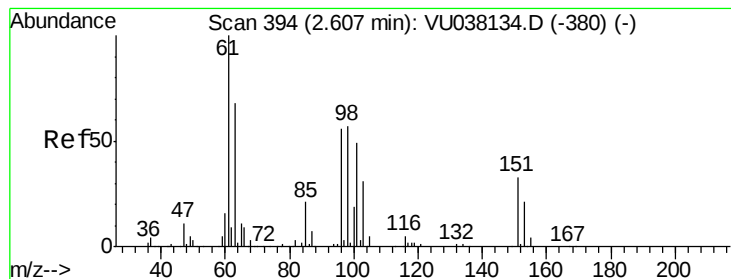
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.511 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038155.D

Acq: 13 May 2020 19:44

Instrument :

MSVOA_U

ClientSampleId :

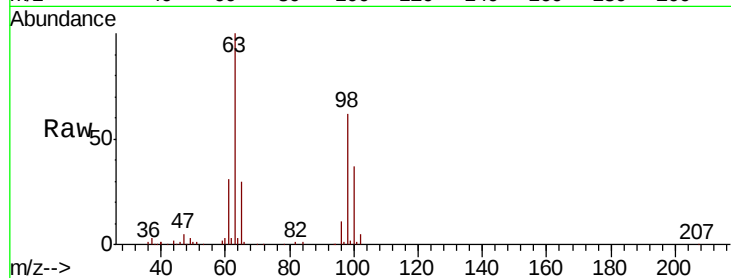
Tot Ion: 96 Resp: 12479

Ion Ratio Lower Upper

96 100

61 270.2 126.2 234.4#

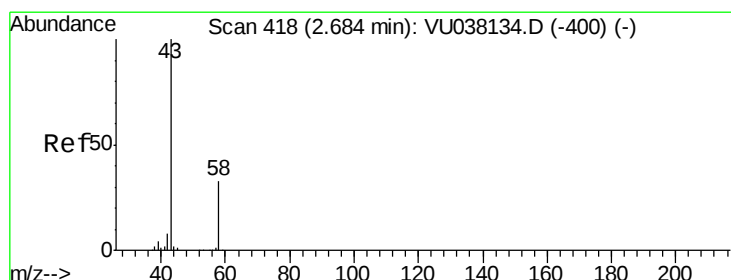
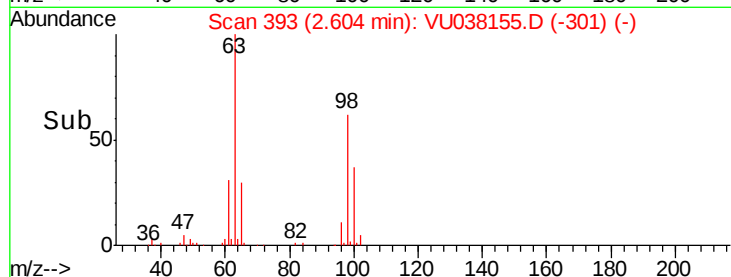
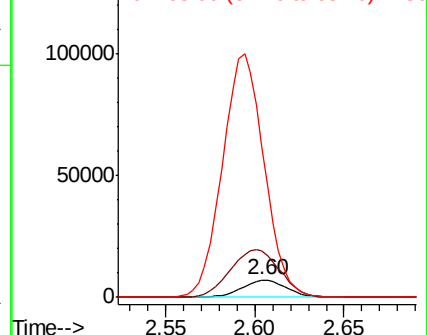
63 882.0 96.9 179.9#



Abundance Ion 96.00 (95.70 to 96.70): VU038155.D (-301) (-)

Ion 61.05 (60.75 to 61.75): VU038155.D (-301) (-)

Ion 63.00 (62.70 to 63.70): VU038155.D (-301) (-)



#13

Acetone

Concen: 3.208 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.02 min

Lab File: VU038155.D

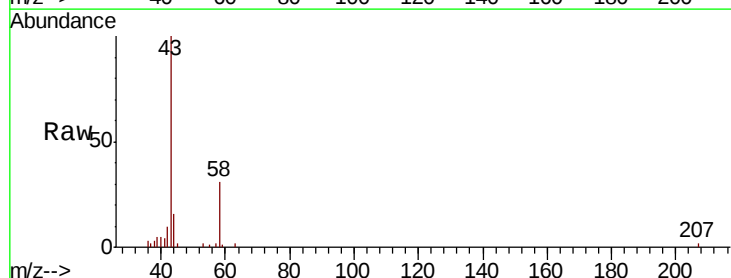
Acq: 13 May 2020 19:44

Tgt Ion: 43 Resp: 15970

Ion Ratio Lower Upper

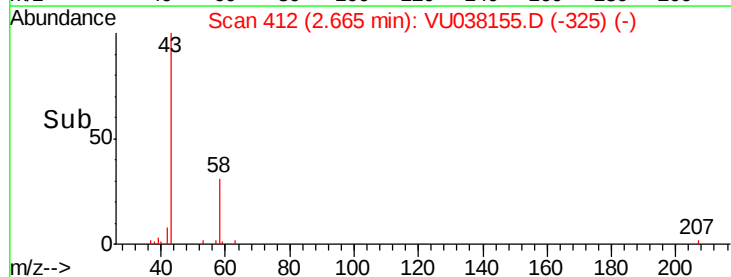
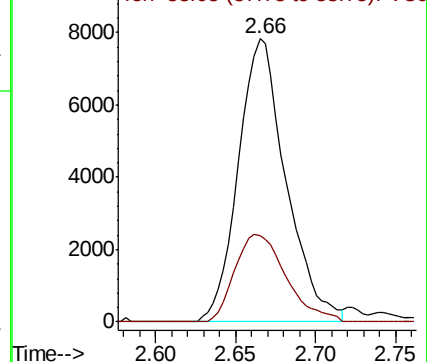
43 100

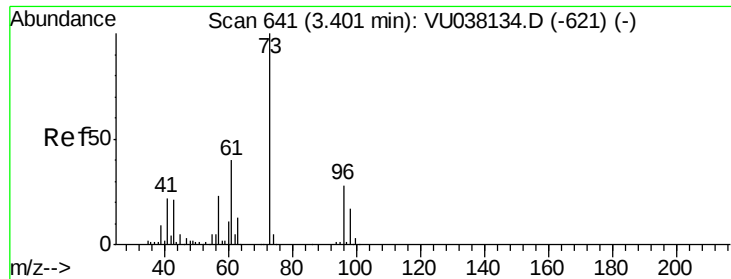
58 33.3 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU038155.D (-325) (-)

Ion 58.05 (57.75 to 58.75): VU038155.D (-325) (-)

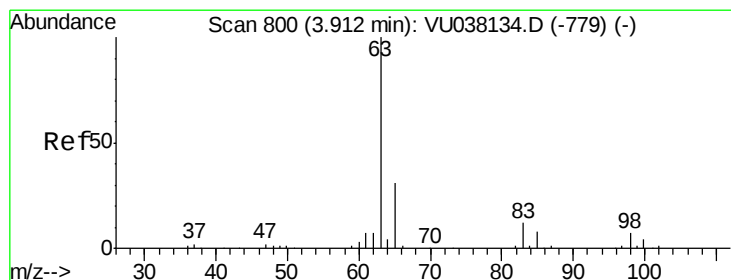
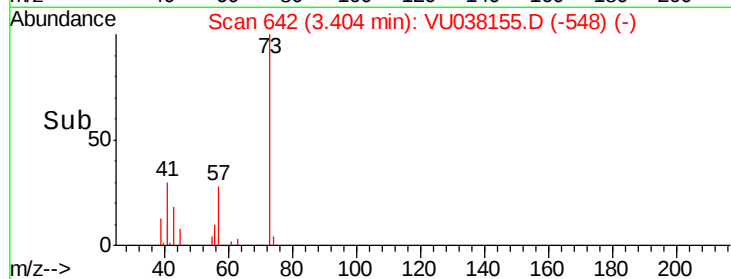
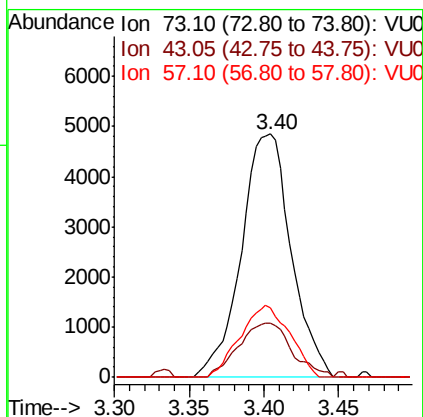
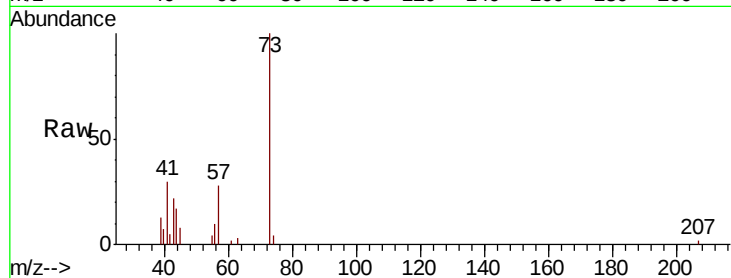




#17
Methvl tert-butvl Ether
Concen: 0.166 ug/L
RT: 3.40 min Scan# 642
Delta R.T. 0.00 min
Lab File: VU038155.D
Acq: 13 May 2020 19:44

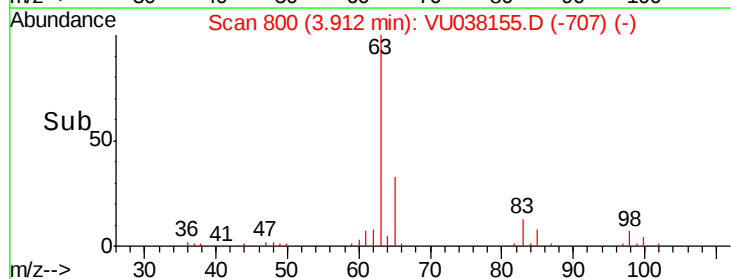
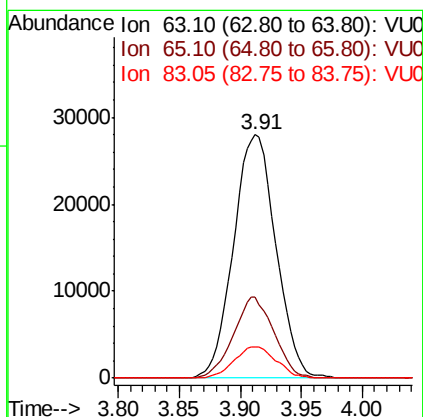
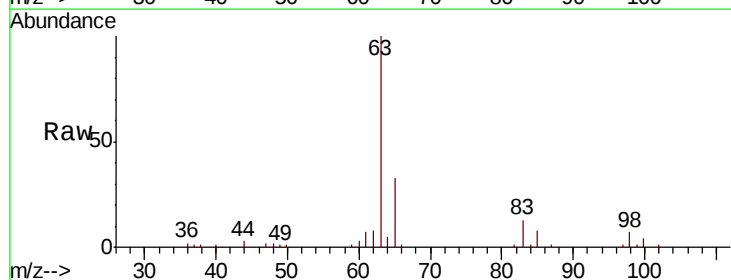
Instrument :
MSVOA_U
ClientSampleId :

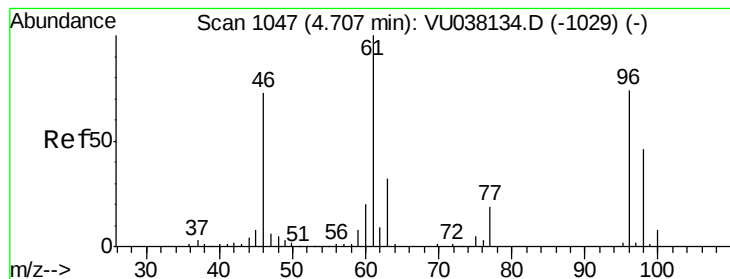
Tot Ion: 73 Resp: 11237
Ion Ratio Lower Upper
73 100
43 23.9 16.9 25.3
57 29.3 18.2 27.2#



#19
1,1-Dichloroethane
Concen: 1.292 ug/L
RT: 3.91 min Scan# 800
Delta R.T. 0.00 min
Lab File: VU038155.D
Acq: 13 May 2020 19:44

Tgt Ion: 63 Resp: 67246
Ion Ratio Lower Upper
63 100
65 33.1 22.5 41.7
83 12.8 8.9 16.5





#22

cis-1,2-Dichloroethene

Concen: 0.819 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038155.D

Acq: 13 May 2020 19:44

Instrument :
MSVOA_U
ClientSampled :

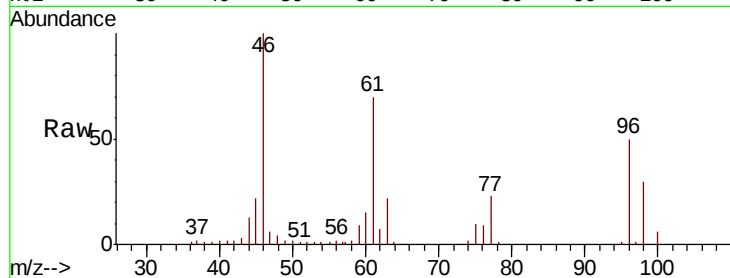
Tot Ion: 96 Resp: 23524

Ion Ratio Lower Upper

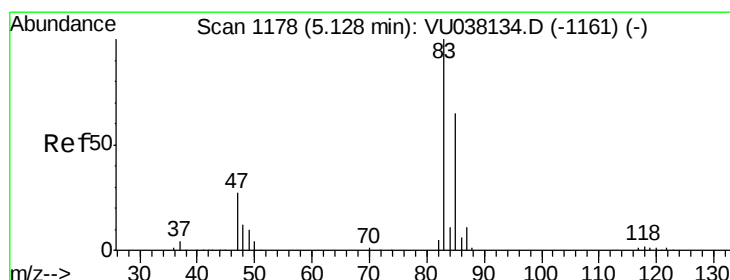
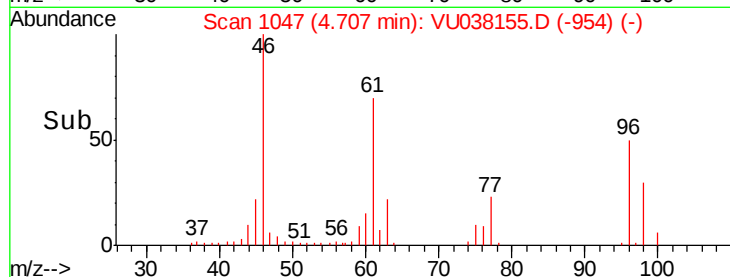
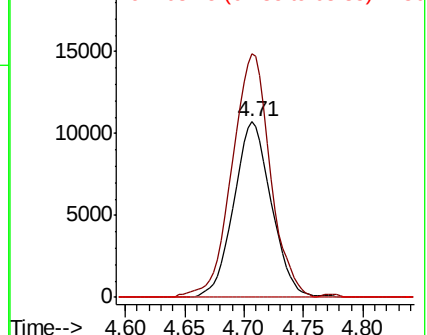
96 100

61 138.8 95.3 176.9

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



#25

Chloroform

Concen: 0.605 ug/L

RT: 5.12 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VU038155.D

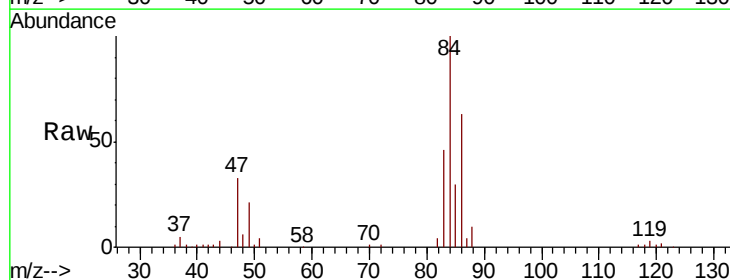
Acq: 13 May 2020 19:44

Tgt Ion: 83 Resp: 29352

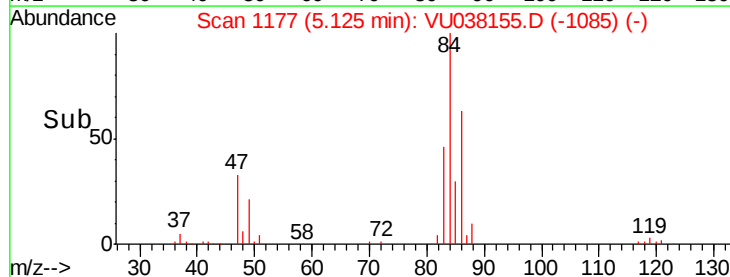
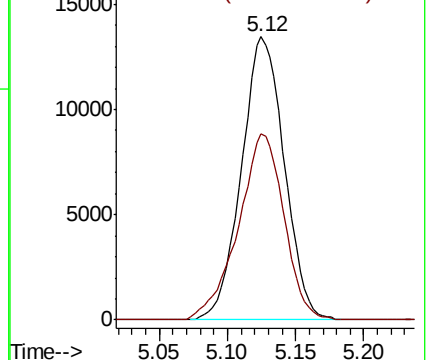
Ion Ratio Lower Upper

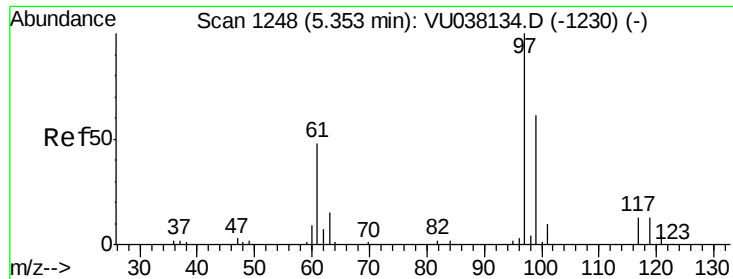
83 100

85 66.0 46.2 85.8



Abundance Ion 83.05 (82.75 to 83.75): VU0
Ion 85.00 (84.70 to 85.70): VU0

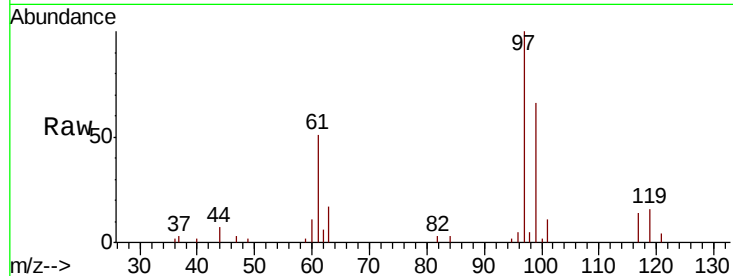




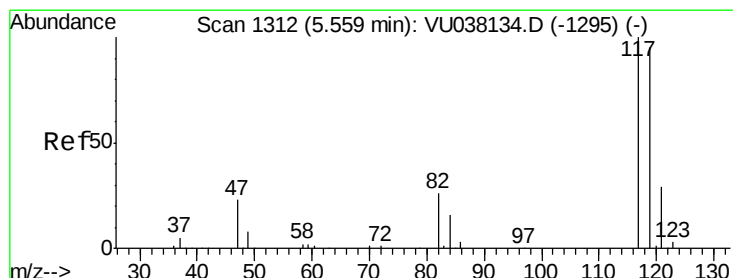
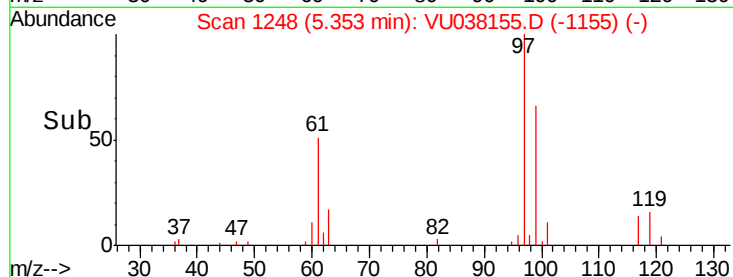
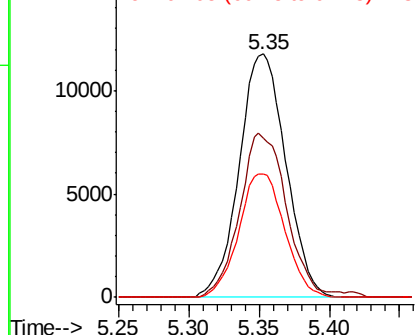
#29
 1,1,1-Trichloroethane
 Concen: 0.698 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: VU038155.D
 Acq: 13 May 2020 19:44

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 97 Resp: 27238
 Ion Ratio Lower Upper
 97 100
 99 67.6 51.0 76.4
 61 50.0 38.2 57.4

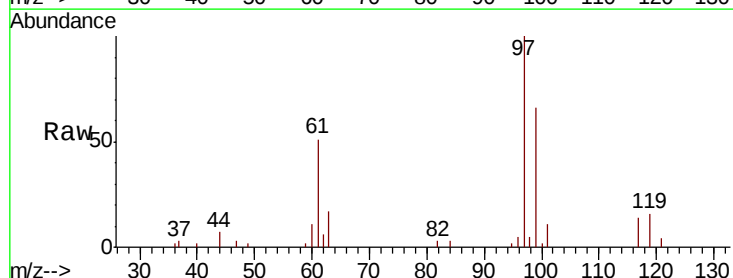


Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

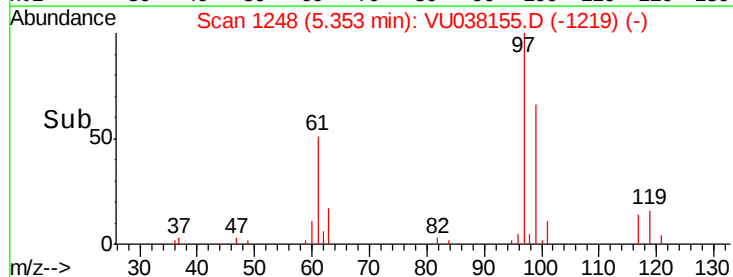
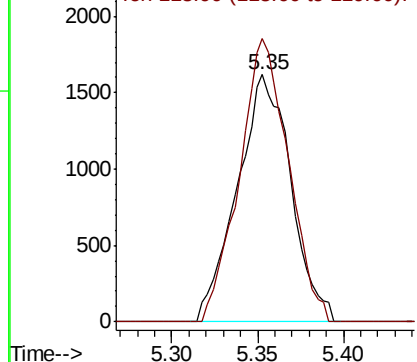


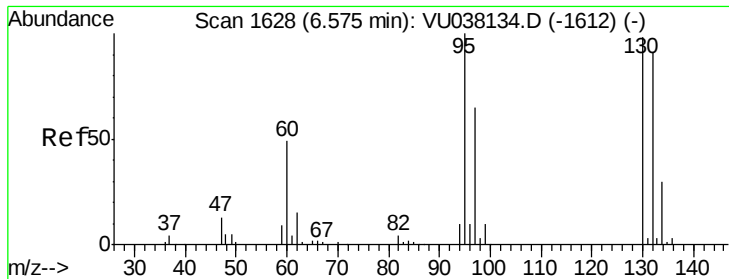
#31
 Carbon tetrachloride
 Concen: 0.112 ug/L
 RT: 5.35 min Scan# 1248
 Delta R.T. -0.21 min
 Lab File: VU038155.D
 Acq: 13 May 2020 19:44

Tgt Ion: 117 Resp: 3503
 Ion Ratio Lower Upper
 117 100
 119 104.9 75.4 113.2



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



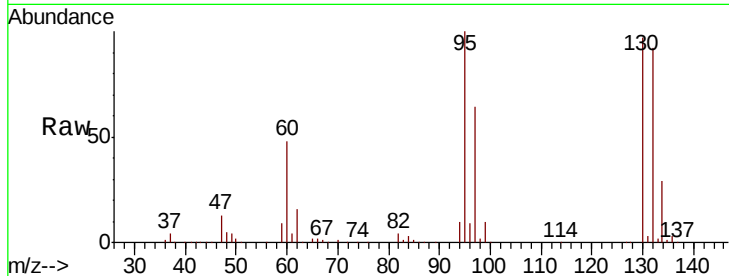


#34
 Trichloroethene
 Concen: 57.603 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VU038155.D
 Acq: 13 May 2020 19:44

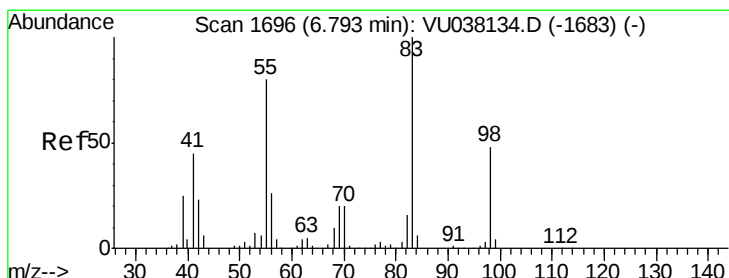
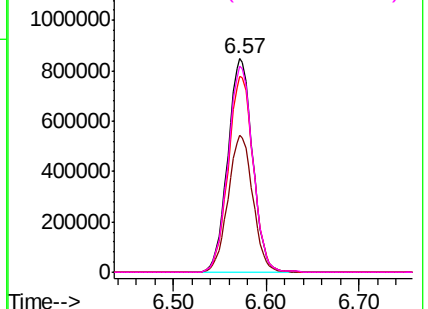
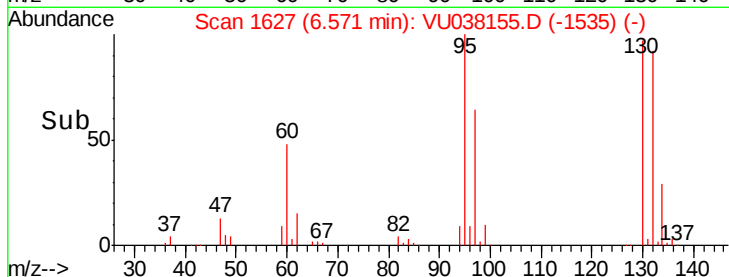
Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 1572181

Ion	Ratio	Lower	Upper
95	100		
97	64.0	44.9	83.3
132	91.6	63.3	117.5
130	96.5	65.7	122.1



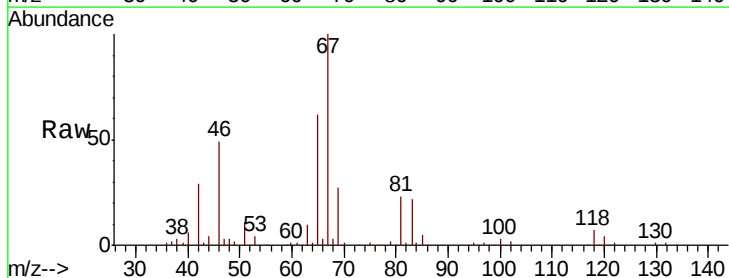
Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V



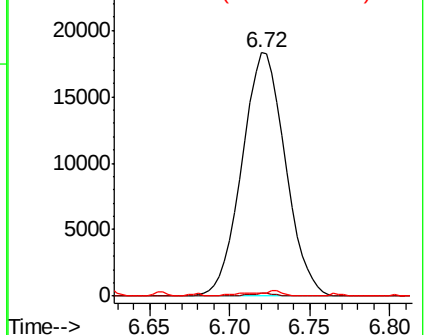
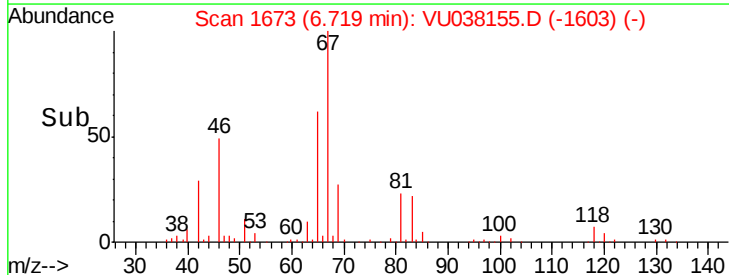
#35
 Methylcyclohexane
 Concen: 0.770 ug/L
 RT: 6.72 min Scan# 1673
 Delta R.T. -0.07 min
 Lab File: VU038155.D
 Acq: 13 May 2020 19:44

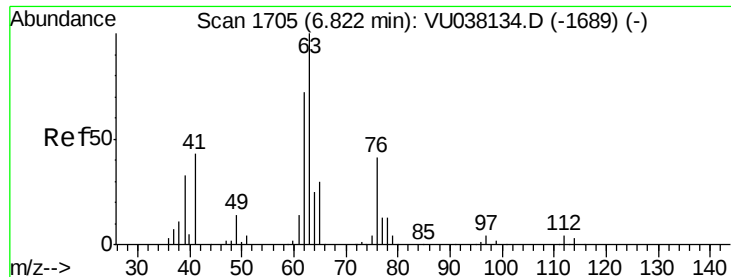
Tgt Ion: 83 Resp: 34025

Ion	Ratio	Lower	Upper
83	100		
55	0.6	66.7	100.1#
98	0.0	39.4	59.2#



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

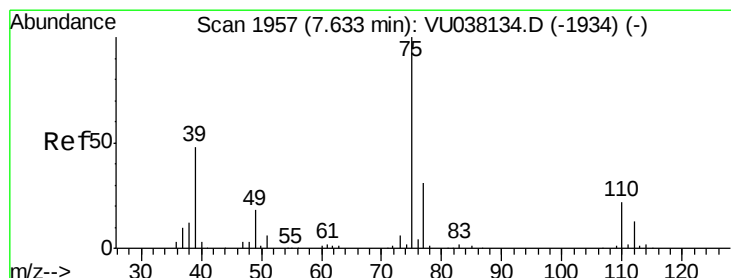
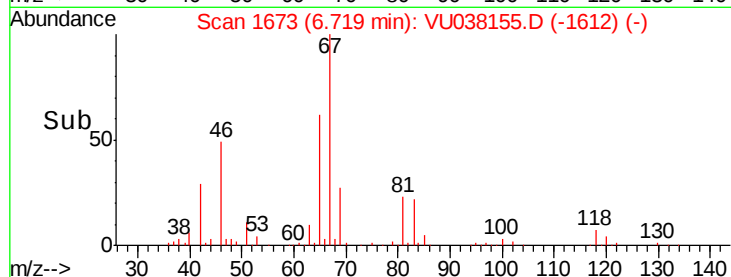
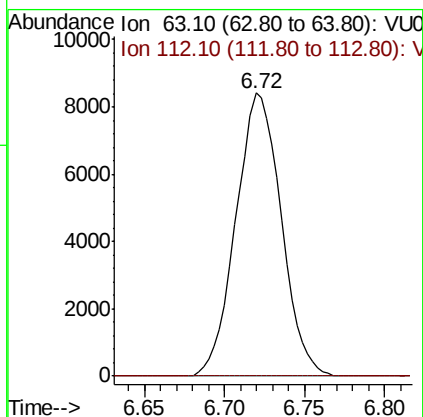
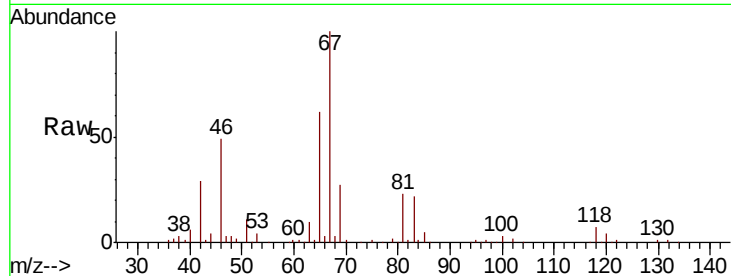




#37
 1,2-Dichloropropane
 Concen: 0.548 ug/L
 RT: 6.72 min Scan# 1673
 Delta R.T. -0.10 min
 Lab File: VU038155.D
 Acq: 13 May 2020 19:44

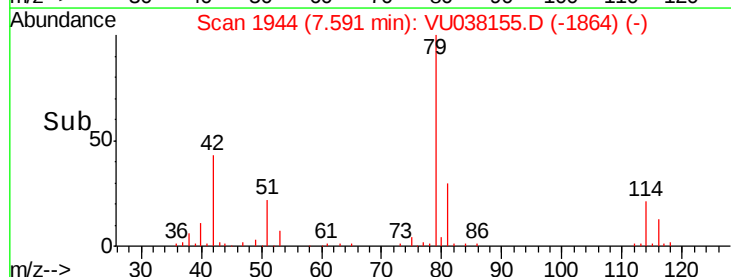
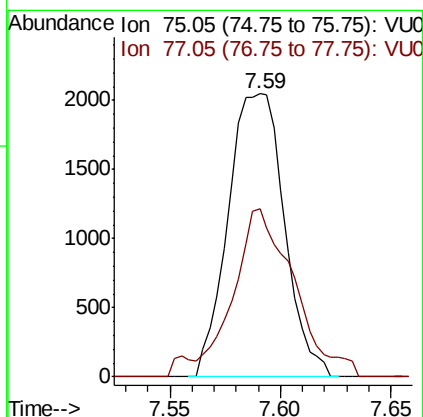
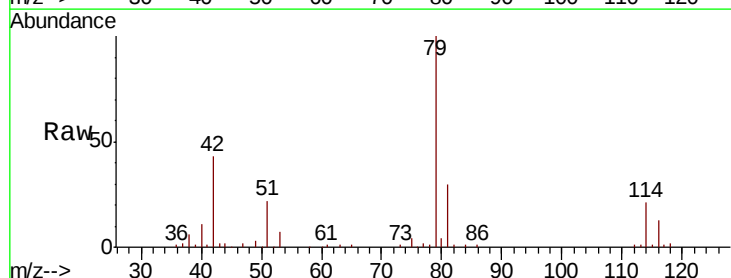
Instrument :
 MSVOA_U
 ClientSampleId :

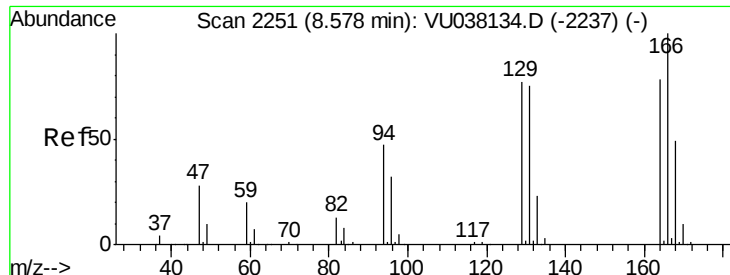
Tot Ion: 63 Resp: 16251
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.1 4.7#



#39
 cis-1,3-Dichloropropene
 Concen: 0.086 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU038155.D
 Acq: 13 May 2020 19:44

Tgt Ion: 75 Resp: 3637
 Ion Ratio Lower Upper
 75 100
 77 59.4 22.4 41.6#





#47

Tetrachloroethene

Concen: 1.828 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU038155.D

Acq: 13 May 2020 19:44

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:164 Resp: 34900

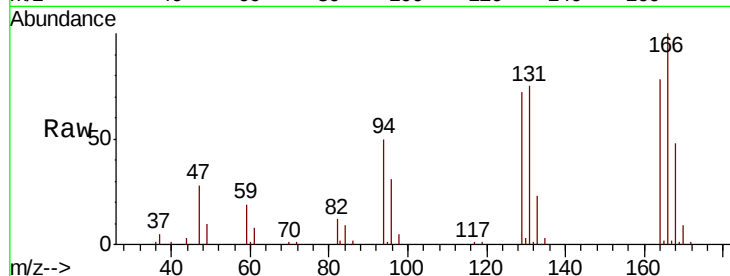
Ion Ratio Lower Upper

164 100

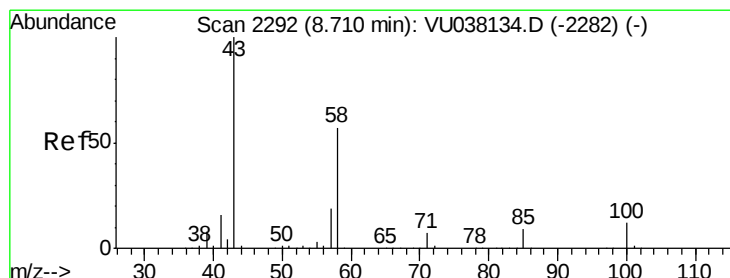
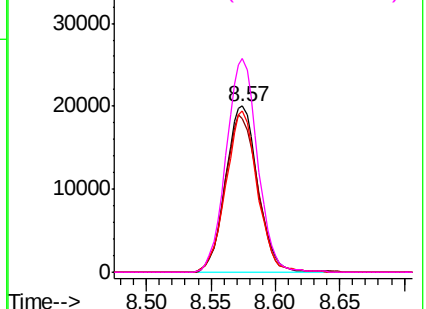
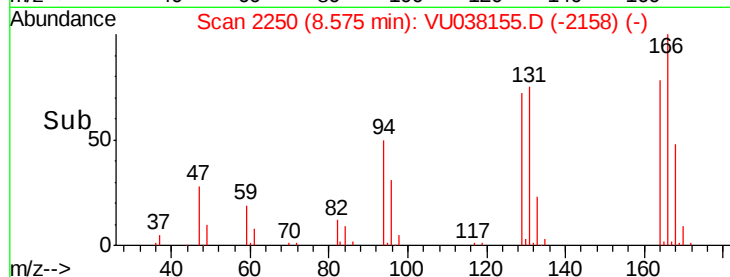
129 92.8 68.8 127.8

131 96.8 66.8 124.2

166 128.6 88.9 165.1



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: 1.717 ug/L

RT: 8.71 min Scan# 2291

Delta R.T. -0.00 min

Lab File: VU038155.D

Acq: 13 May 2020 19:44

Tgt Ion: 43 Resp: 25837

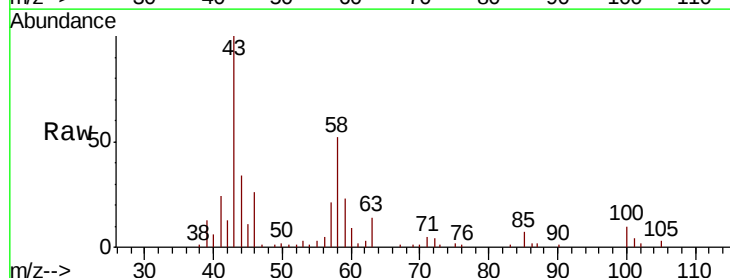
Ion Ratio Lower Upper

43 100

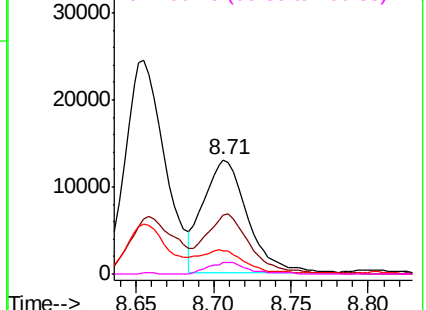
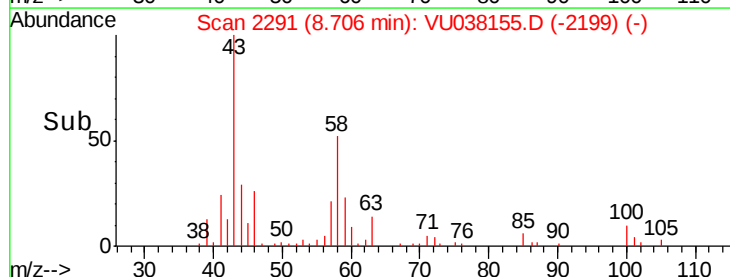
58 52.1 45.2 67.8

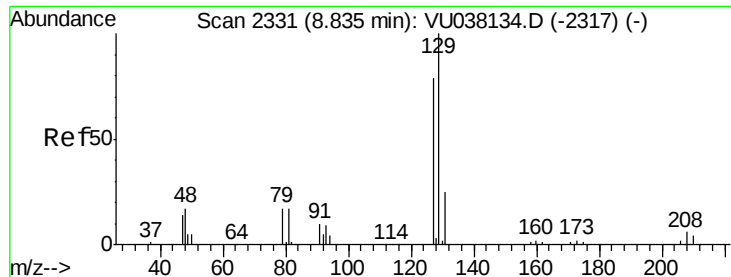
57 16.2 15.5 23.3

100 9.1 9.5 14.3#



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: 1.516 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.26 min

Lab File: VU038155.D

Acq: 13 May 2020 19:44

Instrument :

MSVOA_U

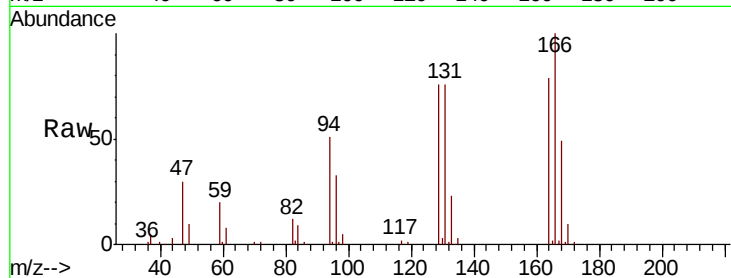
ClientSampled :

Tot Ion:129 Resp: 32394

Ion Ratio Lower Upper

129 100

127 0.0 55.6 103.4#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.57

20000

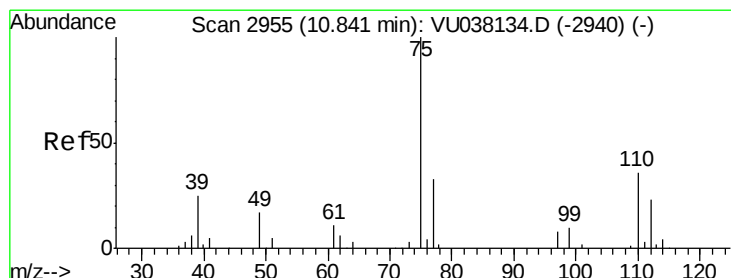
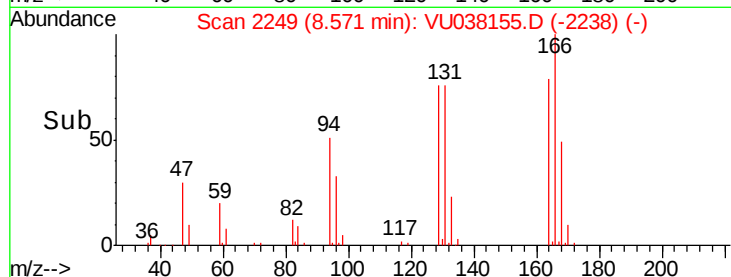
15000

10000

5000

0

Time--> 8.50 8.55 8.60 8.65



#59

1,2,3-Trichloropropane

Concen: 0.208 ug/L

RT: 10.84 min Scan# 2954

Delta R.T. -0.00 min

Lab File: VU038155.D

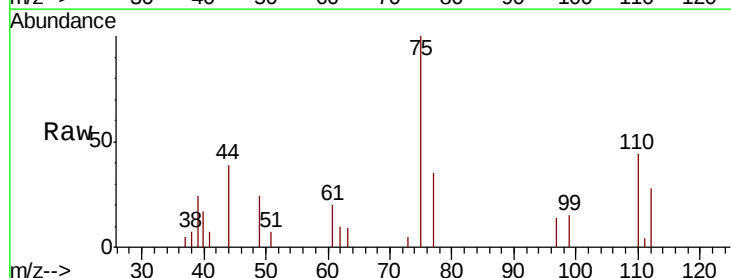
Acq: 13 May 2020 19:44

Tgt Ion: 75 Resp: 4136

Ion Ratio Lower Upper

75 100

77 37.5 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

10.84

3000

2500

2000

1500

1000

500

0

Time--> 10.80 10.85

