

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053120\
 Data File : VU038453.D
 Acq On : 31 May 2020 07:23
 Operator : JC/MD
 Sample : L2788-15
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 01 06:31:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR053120WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Jun 01 06:27:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	317563	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	308534	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	146728	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	93976	4.57	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.40%
7) Chloroethane-d5	1.93	69	79038	5.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.00%
11) 1,1-Dichloroethene-d2	2.59	63	141102	3.49	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	69.80%
20) 2-Butanone-d5	4.68	46	363539	58.23	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.46%
24) Chloroform-d	5.10	84	194753	5.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.80%
26) 1,2-Dichloroethane-d4	5.74	65	116710	5.32	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.40%
32) Benzene-d6	5.76	84	384319	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
36) 1,2-Dichloropropane-d6	6.72	67	120074	5.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.40%
41) Toluene-d8	7.92	98	315933	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.40%
43) trans-1,3-Dichloropropene-	8.20	79	46385	4.55	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.00%
46) 2-Hexanone-d5	8.66	63	306256	60.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	121.76%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	108133	5.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.60%
64) 1,2-Dichlorobenzene-d4	12.20	152	132535	5.24	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.80%

Target Compounds

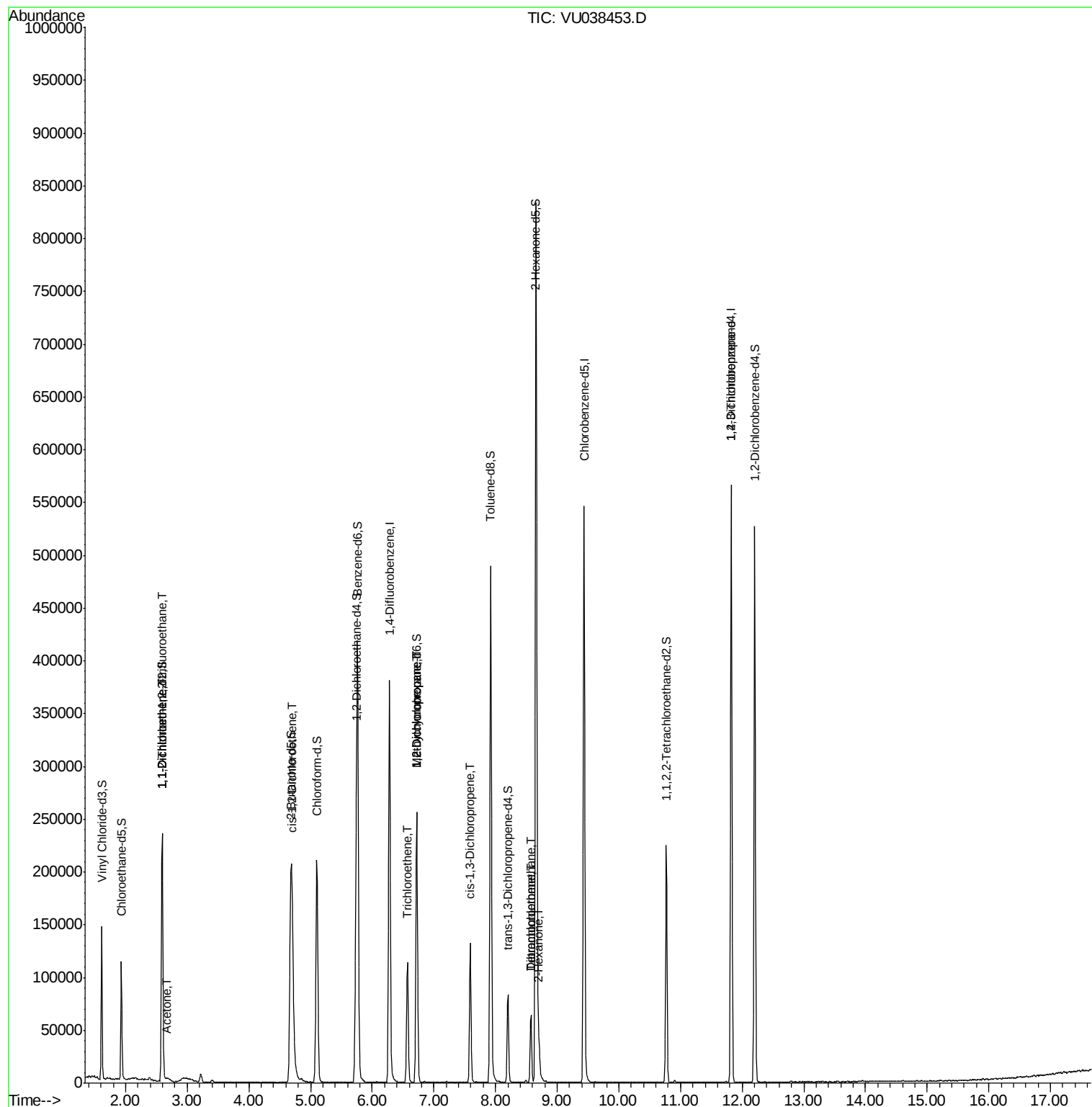
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	4633	0.241	ug/L #	78
12) 1,1-Dichloroethene	2.59	96	1273	0.065	ug/L #	1
13) Acetone	2.68	43	4003	0.980	ug/L	71
22) cis-1,2-Dichloroethene	4.71	96	29170	1.285	ug/L	100
34) Trichloroethene	6.57	95	39220	1.756	ug/L	94
35) Methylcyclohexane	6.72	83	28808	0.833	ug/L #	18
37) 1,2-Dichloropropane	6.72	63	13894	0.642	ug/L #	86
39) cis-1,3-Dichloropropene	7.59	75	3462	0.108	ug/L #	73
47) Tetrachloroethene	8.57	164	13736	0.847	ug/L	89
48) 2-Hexanone	8.71	43	14703	1.254	ug/L #	91
49) Dibromochloromethane	8.57	129	14230	0.807	ug/L #	11
59) 1,2,3-Trichloropropane	11.82	75	19058	1.179	ug/L #	87

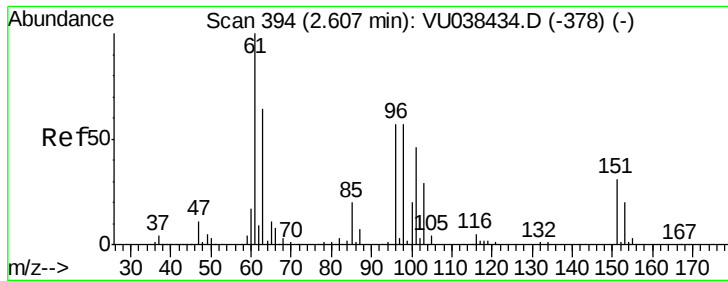
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#10

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

Concen: 0.241 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038453.D

Acq: 31 May 2020 07:23

Instrument :

MSVOA_U

ClientSampled :

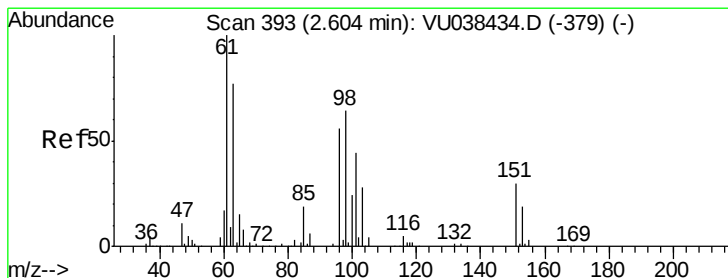
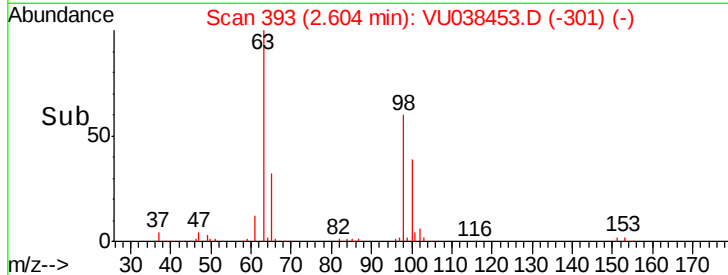
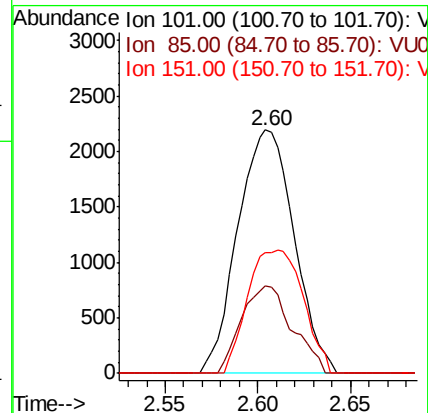
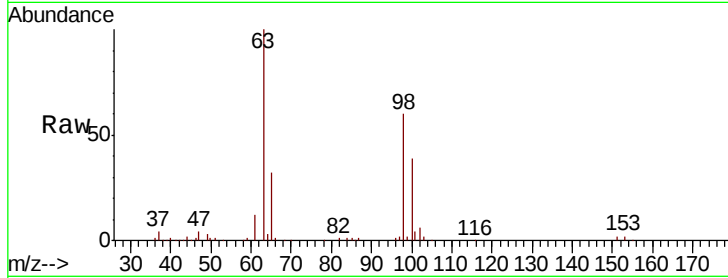
Tot Ion:101 Resp: 4633

Ion Ratio Lower Upper

101 100

85 32.5 34.0 51.0#

151 49.9 56.9 85.3#



#12

1,1-Dichloroethene

Concen: 0.065 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.01 min

Lab File: VU038453.D

Acq: 31 May 2020 07:23

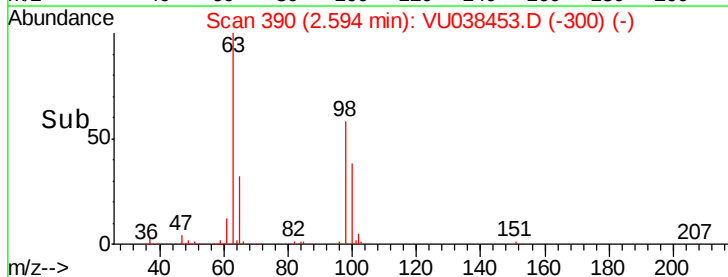
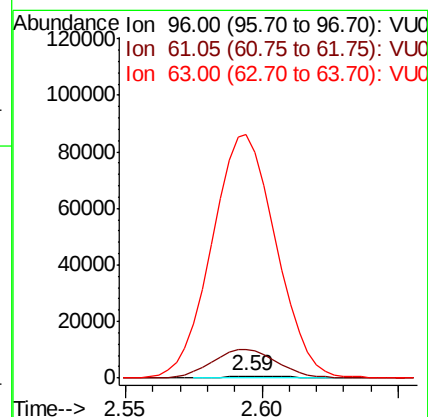
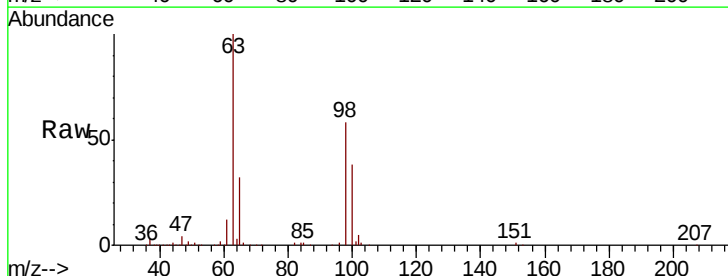
Tgt Ion: 96 Resp: 1273

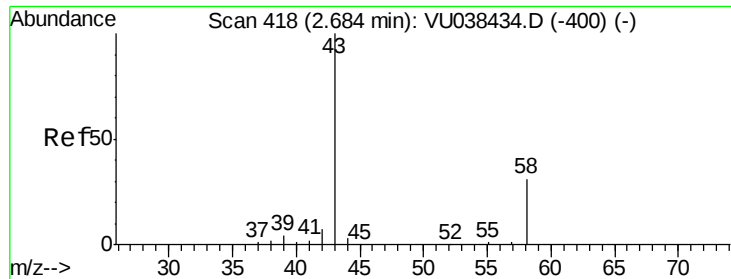
Ion Ratio Lower Upper

96 100

61 1338.5 119.9 222.7#

63 11288.1 89.9 167.0#





#13

Acetone

Concen: 0.980 ug/L

RT: 2.68 min Scan# 417

Delta R.T. -0.00 min

Lab File: VU038453.D

Acq: 31 May 2020 07:23

Instrument :

MSVOA_U

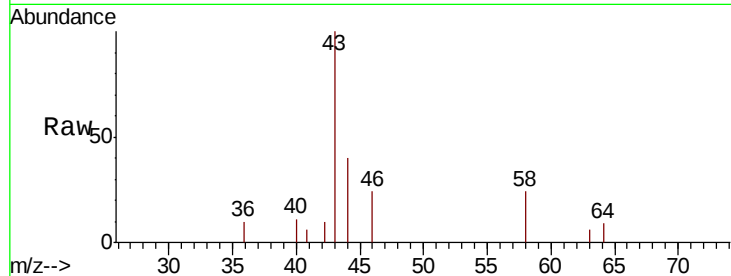
ClientSampleId :

Tot Ion: 43 Resp: 4003

Ion Ratio Lower Upper

43 100

58 16.7 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU038434.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU038434.D (-400) (-)

2.68

1500

1000

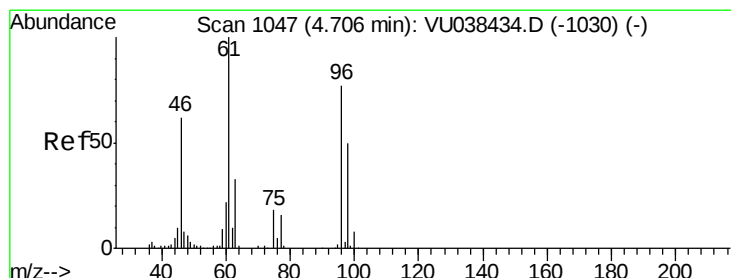
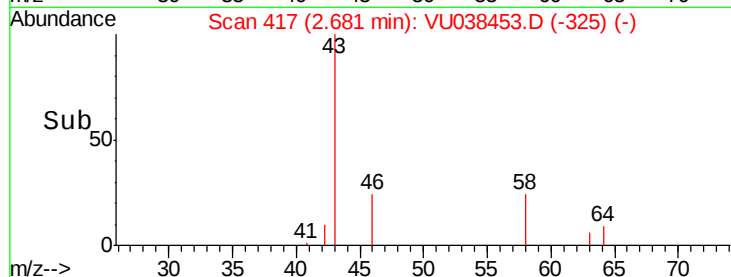
500

0

2.65

2.70

Time-->



#22

cis-1,2-Dichloroethene

Concen: 1.285 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. 0.00 min

Lab File: VU038453.D

Acq: 31 May 2020 07:23

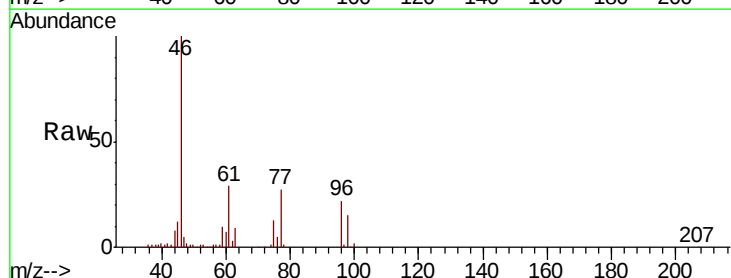
Tgt Ion: 96 Resp: 29170

Ion Ratio Lower Upper

96 100

61 134.5 94.0 174.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038434.D (-1030) (-)

Ion 61.05 (60.75 to 61.75): VU038434.D (-1030) (-)

Ion 68.15 (67.85 to 68.85): VU038434.D (-1030) (-)

4.71

20000

15000

10000

5000

0

4.60

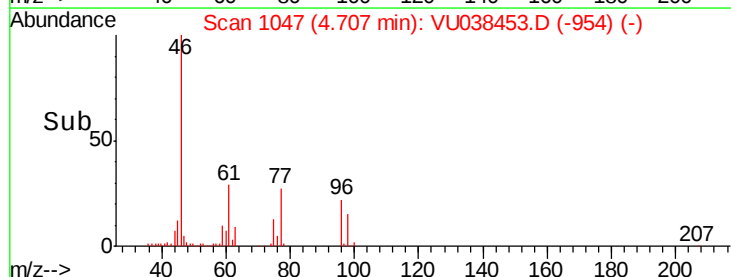
4.65

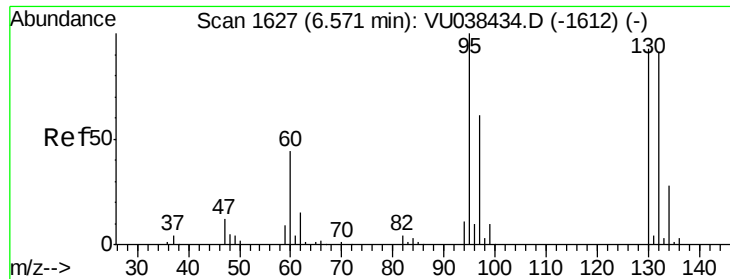
4.70

4.75

4.80

Time-->

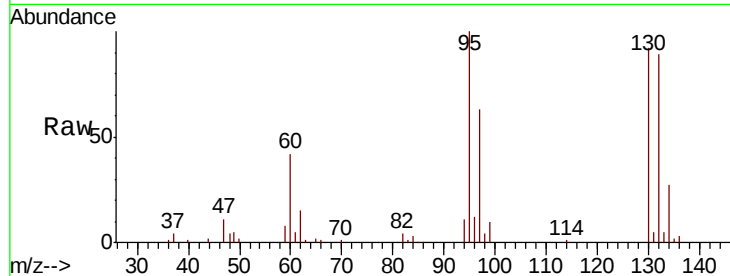




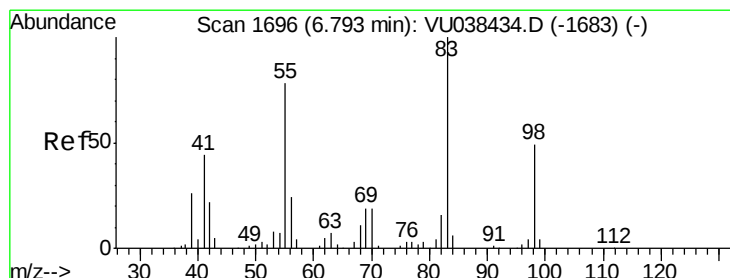
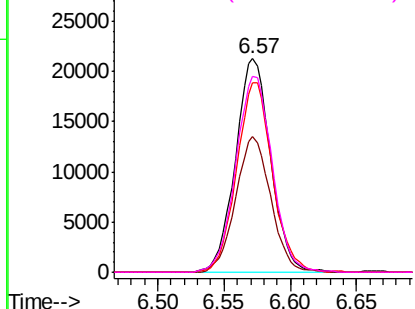
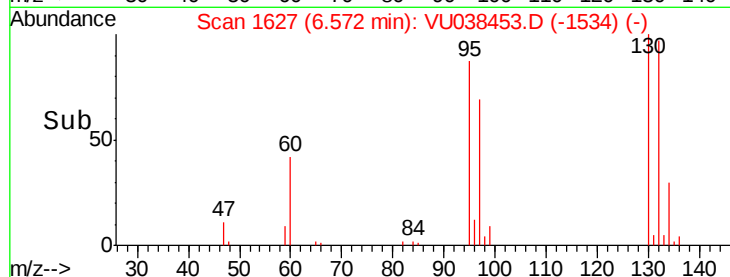
#34
 Trichloroethene
 Concen: 1.756 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU038453.D
 Acq: 31 May 2020 07:23

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 39220
 Ion Ratio Lower Upper
 95 100
 97 63.3 46.8 87.0
 132 88.9 66.1 122.7
 130 91.7 70.0 130.0

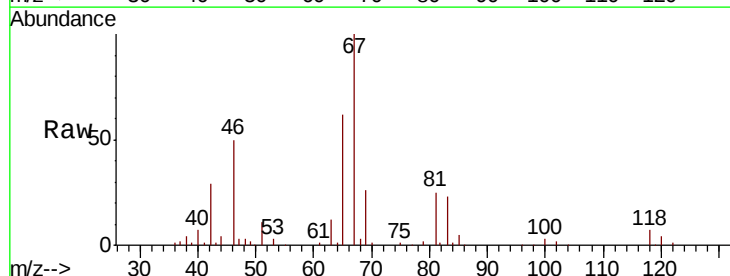


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

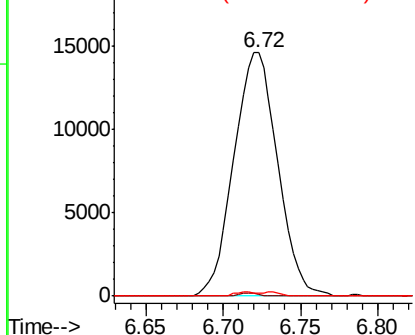
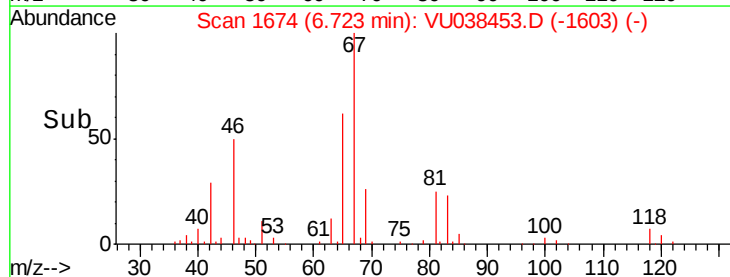


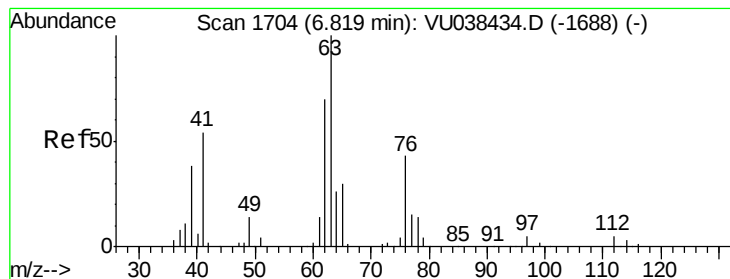
#35
 Methylcyclohexane
 Concen: 0.833 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.07 min
 Lab File: VU038453.D
 Acq: 31 May 2020 07:23

Tgt Ion: 83 Resp: 28808
 Ion Ratio Lower Upper
 83 100
 55 0.5 63.4 95.2#
 98 0.8 39.0 58.4#



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: 0.642 ug/L

RT: 6.72 min Scan# 1673

Delta R.T. -0.10 min

Lab File: VU038453.D

Acq: 31 May 2020 07:23

Instrument :

MSVOA_U

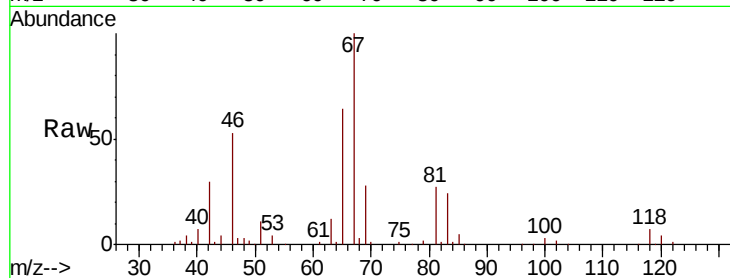
ClientSampleId :

Tot Ion: 63 Resp: 13894

Ion Ratio Lower Upper

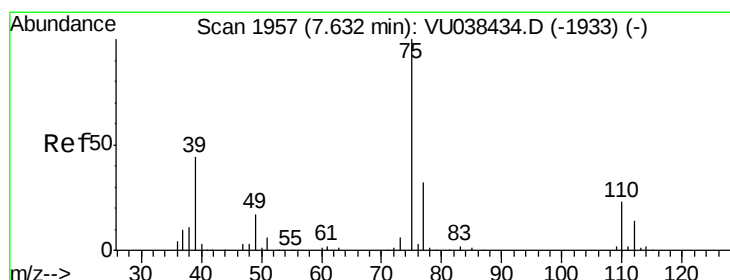
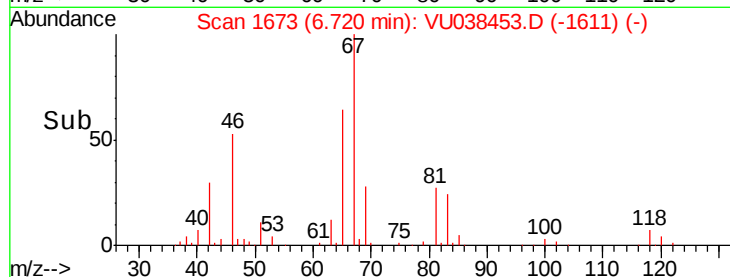
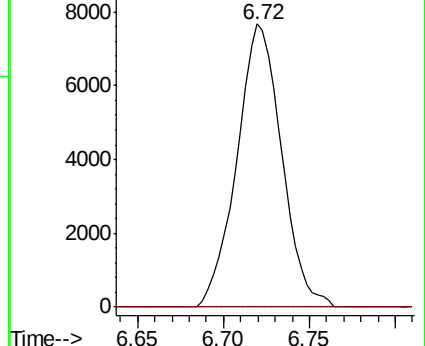
63 100

112 0.0 3.7 5.5#



Abundance Ion 63.10 (62.80 to 63.80): VU038453.D (-1673) (-)

Ion 112.10 (111.80 to 112.80): VU038453.D (-1673) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.108 ug/L

RT: 7.59 min Scan# 1944

Delta R.T. -0.04 min

Lab File: VU038453.D

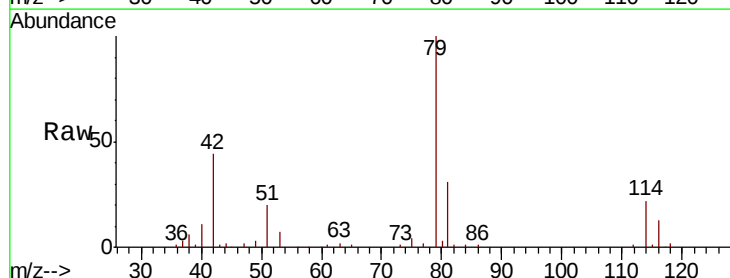
Acq: 31 May 2020 07:23

Tgt Ion: 75 Resp: 3462

Ion Ratio Lower Upper

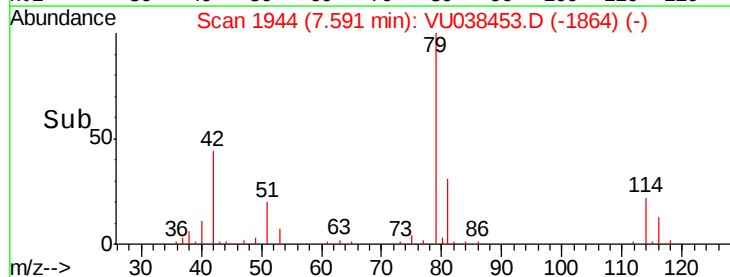
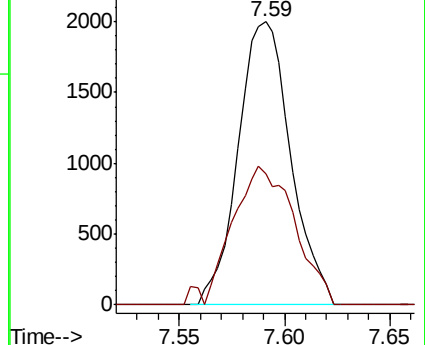
75 100

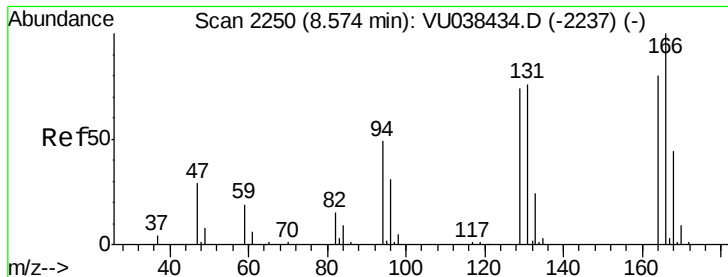
77 46.1 21.9 40.7#



Abundance Ion 75.05 (74.75 to 75.75): VU038453.D (-1864) (-)

Ion 77.05 (76.75 to 77.75): VU038453.D (-1864) (-)





#47

Tetrachloroethene

Concen: 0.847 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. 0.00 min

Lab File: VU038453.D

Acq: 31 May 2020 07:23

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 13736

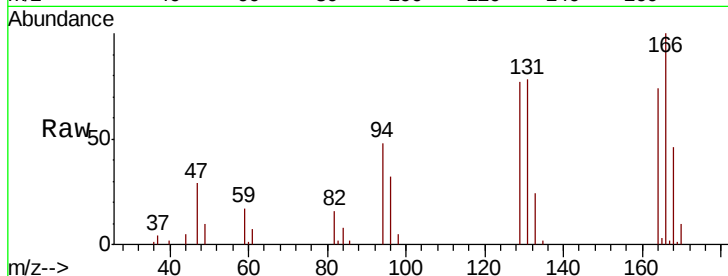
Ion Ratio Lower Upper

164 100

129 104.0 67.4 125.2

131 104.4 64.1 119.1

166 134.7 85.7 159.1

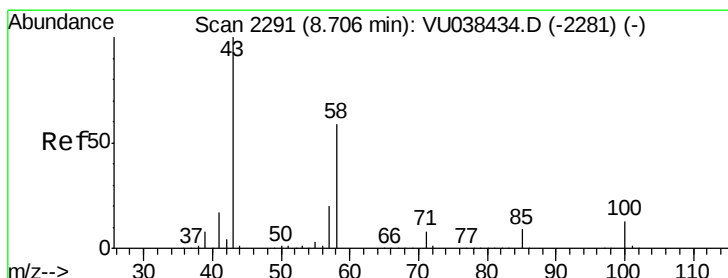
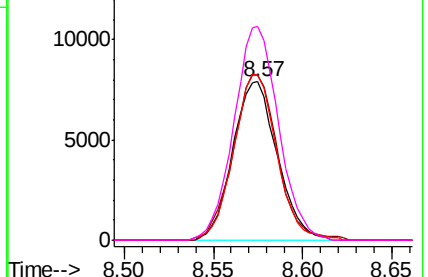
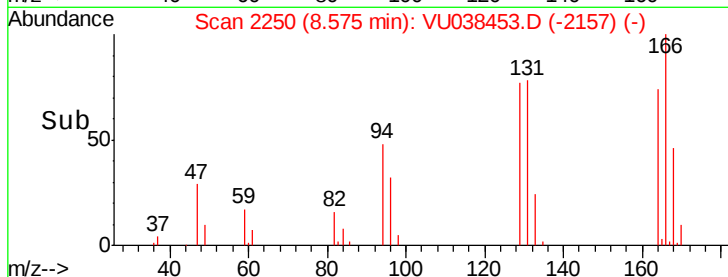


Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.254 ug/L

RT: 8.71 min Scan# 2291

Delta R.T. 0.00 min

Lab File: VU038453.D

Acq: 31 May 2020 07:23

Tgt Ion: 43 Resp: 14703

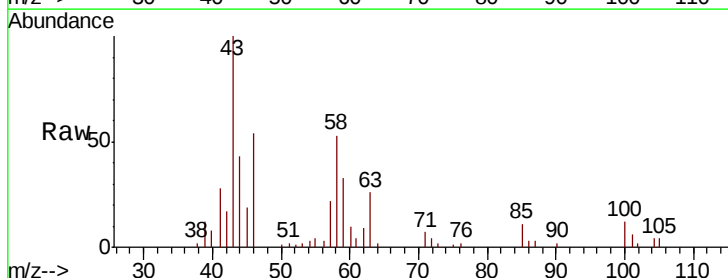
Ion Ratio Lower Upper

43 100

58 49.9 45.4 68.0

57 24.2 15.9 23.9#

100 9.6 10.5 15.7#

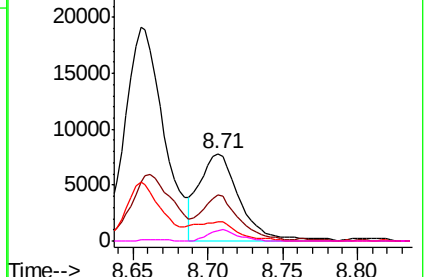
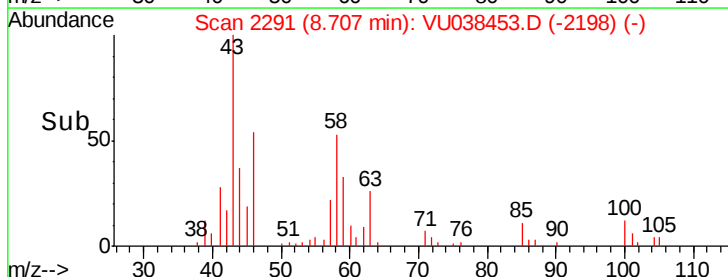


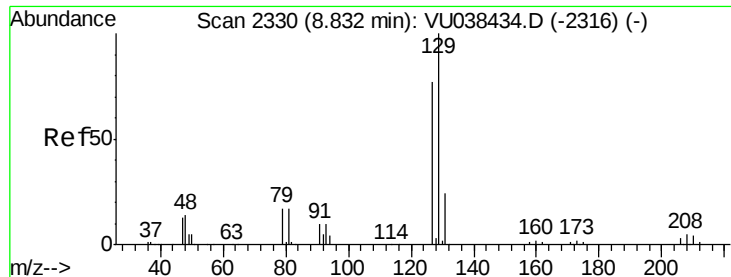
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 0.807 ug/L

RT: 8.57 min Scan# 2249

Delta R.T. -0.26 min

Lab File: VU038453.D

Acq: 31 May 2020 07:23

Instrument :

MSVOA_U

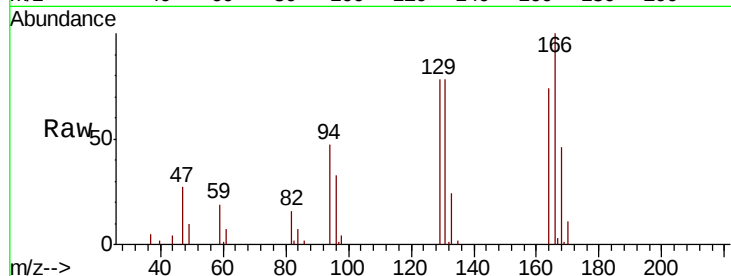
ClientSampled :

Tot Ion:129 Resp: 14230

Ion Ratio Lower Upper

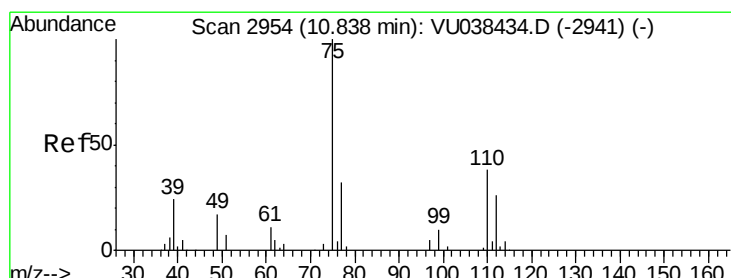
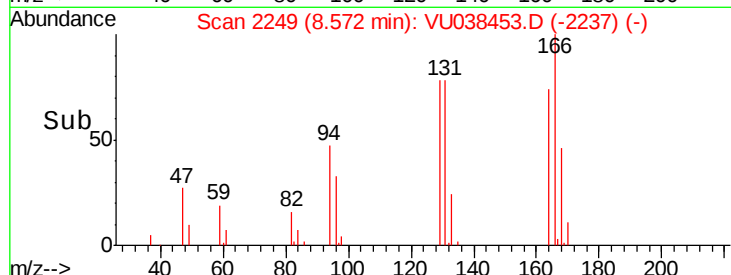
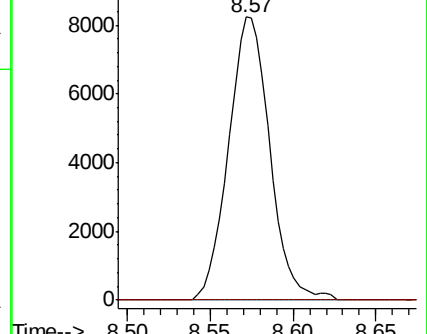
129 100

127 0.0 53.3 99.1#



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: 1.179 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU038453.D

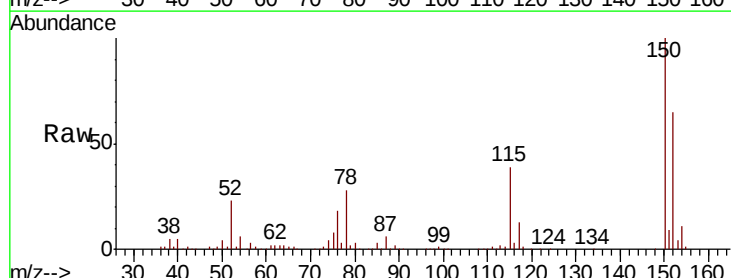
Acq: 31 May 2020 07:23

Tgt Ion: 75 Resp: 19058

Ion Ratio Lower Upper

75 100

77 38.8 25.4 38.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

