

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053120\
 Data File : VU038450.D
 Acq On : 31 May 2020 06:14
 Operator : JC/MD
 Sample : L2788-12
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 01 06:31:29 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	308806	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	305470	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.82	152	144265	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	94312	4.72	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.40%
7) Chloroethane-d5	1.93	69	76987	5.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.20%
11) 1,1-Dichloroethene-d2	2.59	63	138925	3.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.60%
20) 2-Butanone-d5	4.69	46	377656	62.20	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	124.40%
24) Chloroform-d	5.10	84	193397	5.15	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.00%
26) 1,2-Dichloroethane-d4	5.74	65	117516	5.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.20%
32) Benzene-d6	5.76	84	383752	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.60%
36) 1,2-Dichloropropane-d6	6.72	67	118131	5.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.80%
41) Toluene-d8	7.92	98	318517	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
43) trans-1,3-Dichloropropene-	8.20	79	46558	4.62	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.40%
46) 2-Hexanone-d5	8.66	63	318022	63.86	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	127.72%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	108965	5.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	109.40%
64) 1,2-Dichlorobenzene-d4	12.20	152	132777	5.34	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.80%

Target Compounds

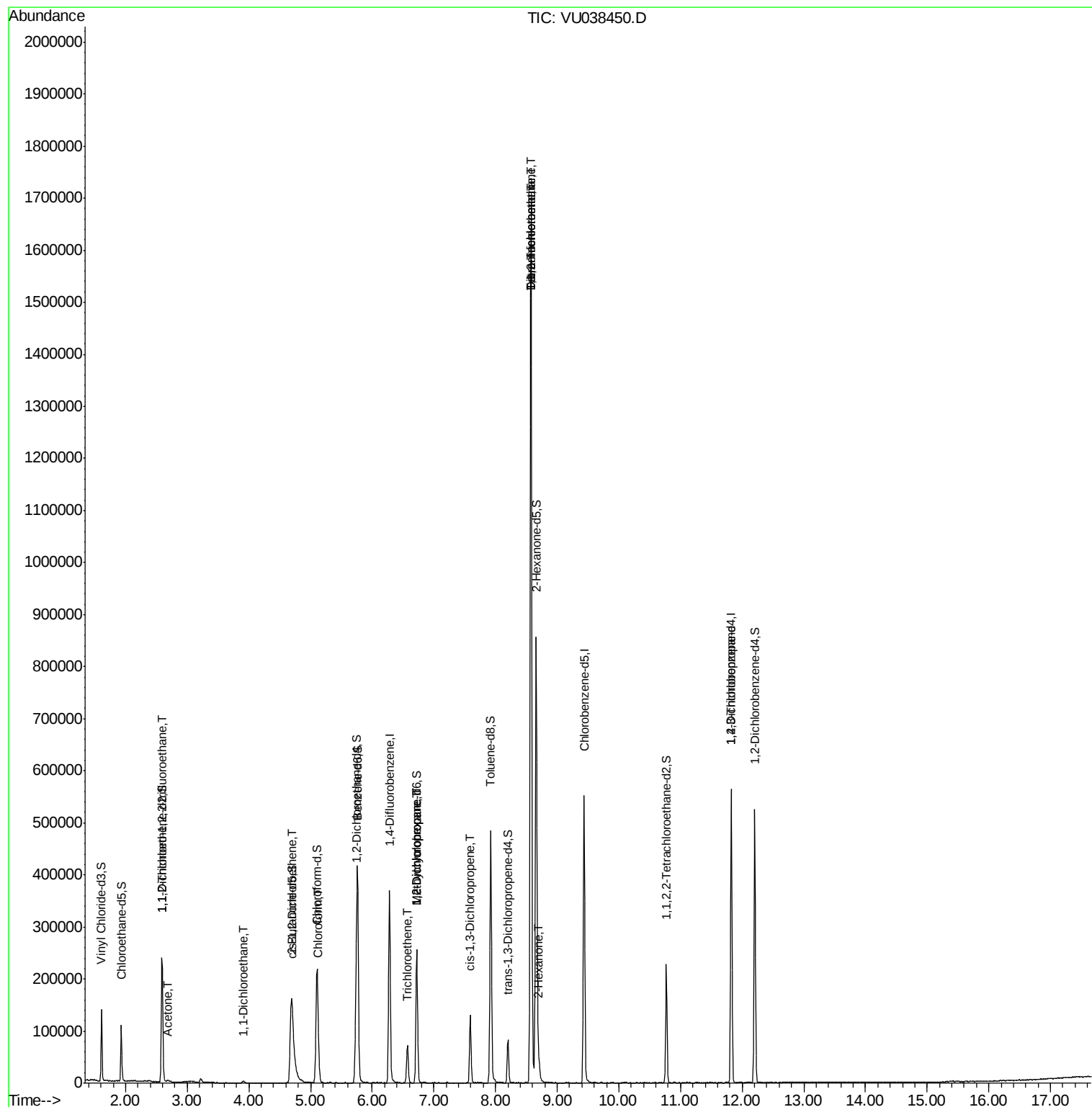
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.60	101	6034	0.322	ug/L #	79
13) Acetone	2.70	43	7728	1.945	ug/L	51
19) 1,1-Dichloroethane	3.91	63	4829	0.132	ug/L	96
22) cis-1,2-Dichloroethene	4.71	96	6470	0.293	ug/L	90
25) Chloroform	5.13	83	47096	1.264	ug/L	97
34) Trichloroethene	6.57	95	23722	1.073	ug/L	97
35) Methylcyclohexane	6.72	83	29149	0.852	ug/L #	17
37) 1,2-Dichloropropane	6.72	63	12972	0.605	ug/L #	86
39) cis-1,3-Dichloropropene	7.59	75	3282	0.104	ug/L #	63
45) 1,1,2-Trichloroethane	8.57	97	3868	0.239	ug/L #	1
47) Tetrachloroethene	8.57	164	379871	23.649	ug/L	97
48) 2-Hexanone	8.70	43	14818	1.276	ug/L	93
49) Dibromochloromethane	8.57	129	367668	21.064	ug/L #	11
59) 1,2,3-Trichloropropane	11.82	75	18345	1.147	ug/L #	88

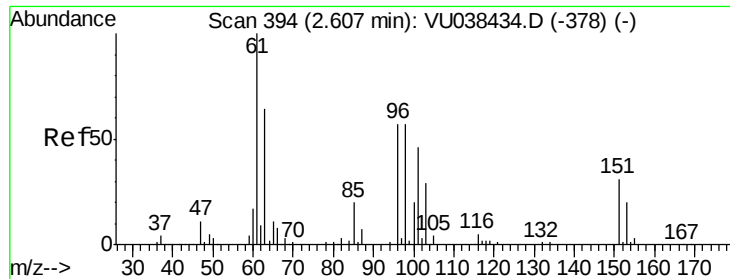
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\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





#10

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

Concen: 0.322 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.01 min

Lab File: VU038450.D

Acq: 31 May 2020 06:14

Instrument :

MSVOA_U

ClientSampled :

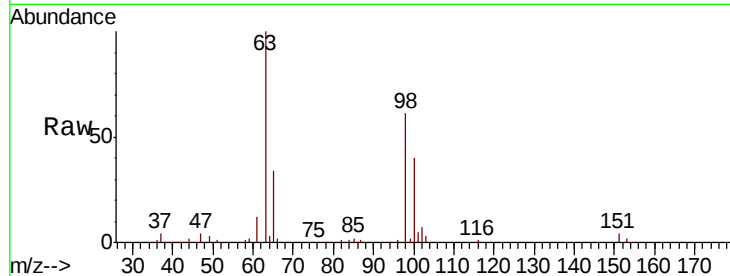
Tot Ion:101 Resp: 6034

Ion Ratio Lower Upper

101 100

85 15.5 34.0 51.0#

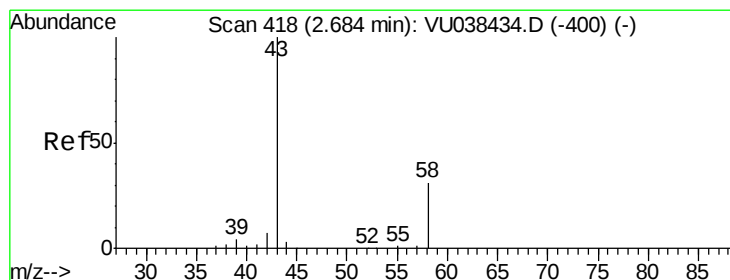
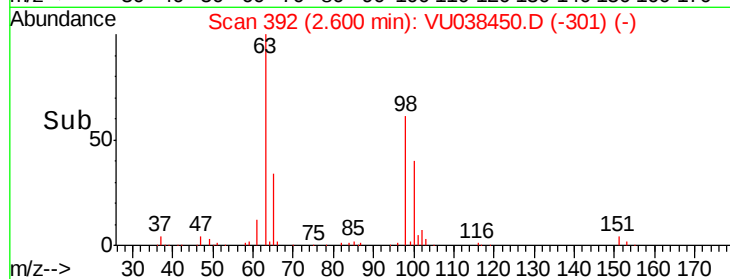
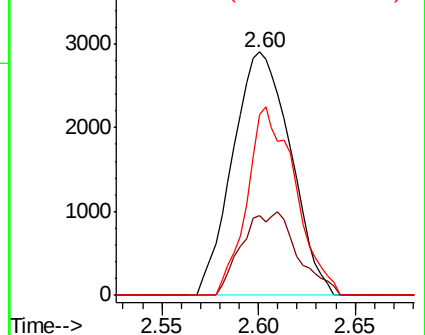
151 64.7 56.9 85.3



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



#13

Acetone

Concen: 1.945 ug/L

RT: 2.70 min Scan# 422

Delta R.T. 0.01 min

Lab File: VU038450.D

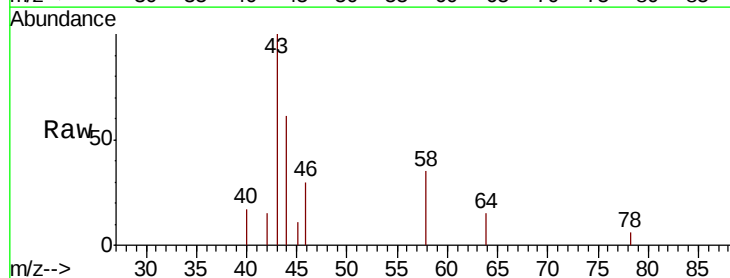
Acq: 31 May 2020 06:14

Tgt Ion: 43 Resp: 7728

Ion Ratio Lower Upper

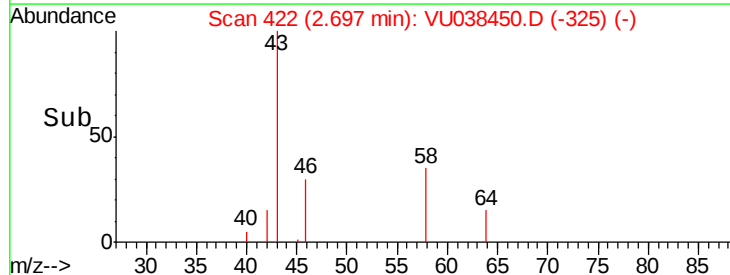
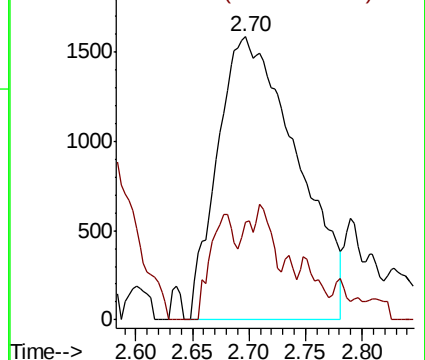
43 100

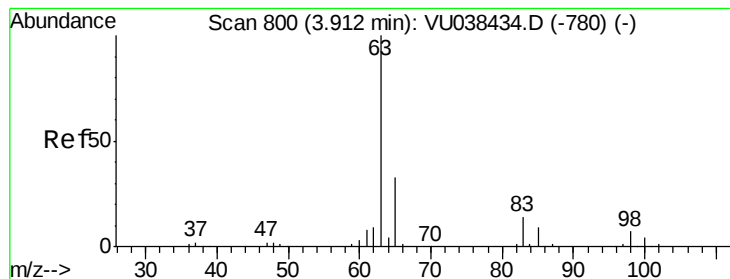
58 5.1 0.0 65.6



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0





#19

1,1-Dichloroethane

Concen: 0.132 ug/L

RT: 3.91 min Scan# 798

Delta R.T. -0.01 min

Lab File: VU038450.D

Acq: 31 May 2020 06:14

Instrument :

MSVOA_U

ClientSampleId :

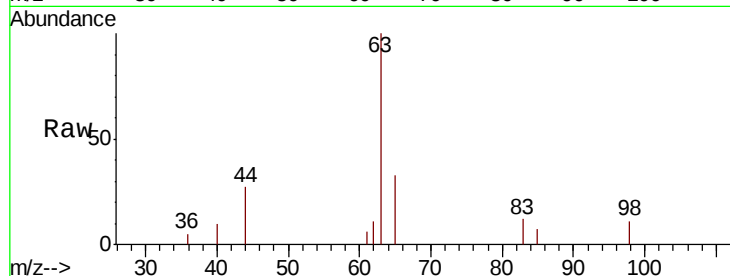
Tot Ion: 63 Resp: 4829

Ion Ratio Lower Upper

63 100

65 33.3 22.3 41.5

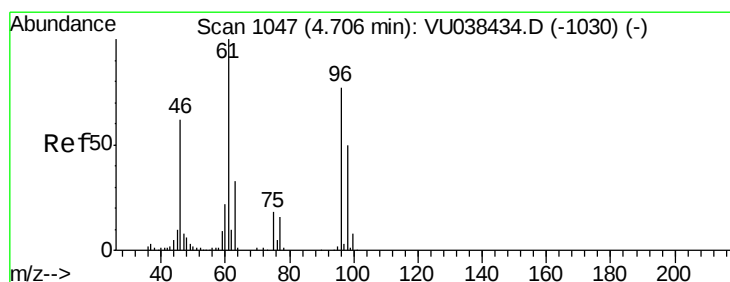
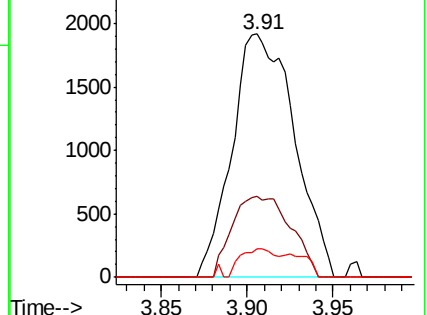
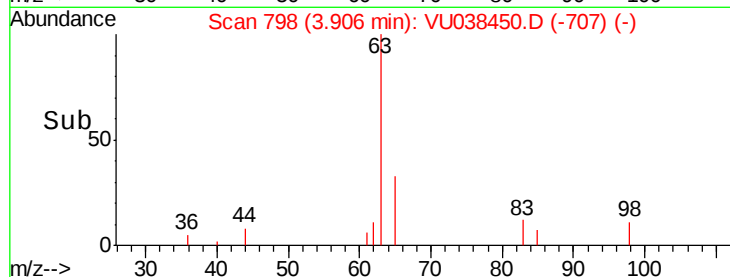
83 11.5 10.4 19.4



Abundance Ion 63.10 (62.80 to 63.80): VU038434.D (-780) (-)

Ion 65.10 (64.80 to 65.80): VU038434.D (-780) (-)

Ion 83.05 (82.75 to 83.75): VU038434.D (-780) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.293 ug/L

RT: 4.71 min Scan# 1048

Delta R.T. 0.00 min

Lab File: VU038450.D

Acq: 31 May 2020 06:14

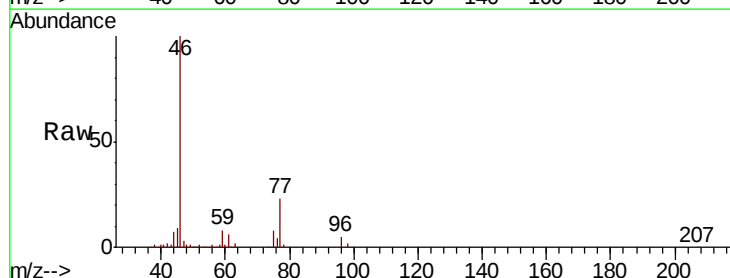
Tgt Ion: 96 Resp: 6470

Ion Ratio Lower Upper

96 100

61 122.2 94.0 174.6

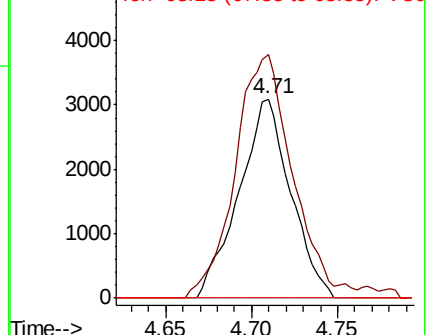
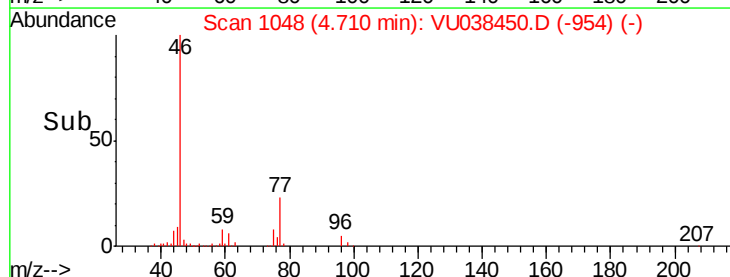
68 0.0 0.0 0.0

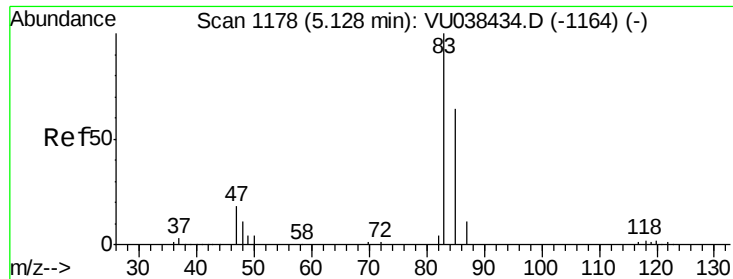


Abundance Ion 96.00 (95.70 to 96.70): VU038434.D (-1030) (-)

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

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

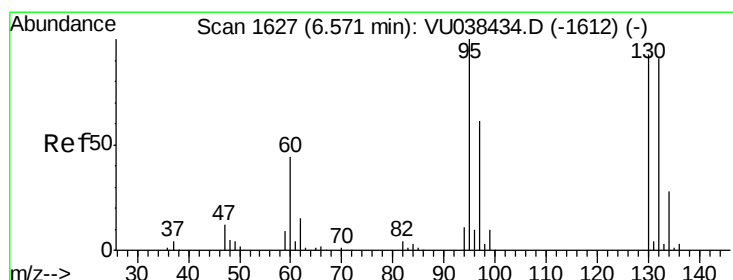
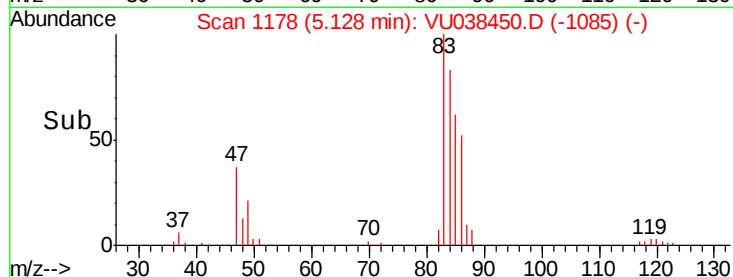
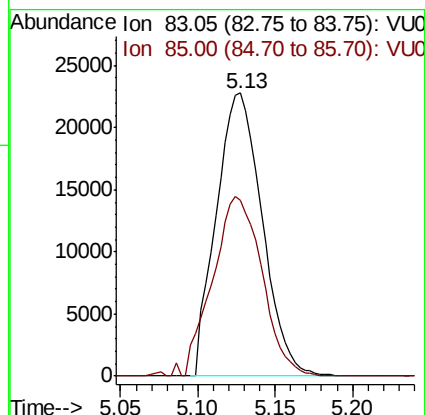
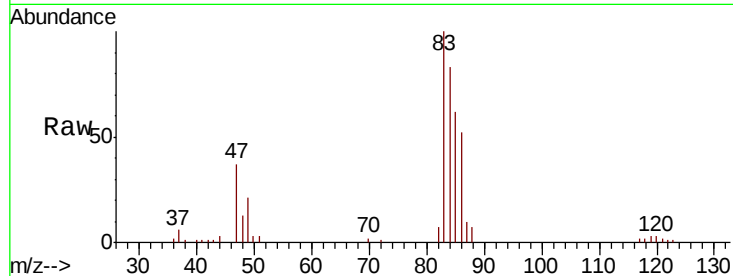




#25
Chloroform
Concen: 1.264 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. -0.00 min
Lab File: VU038450.D
Acq: 31 May 2020 06:14

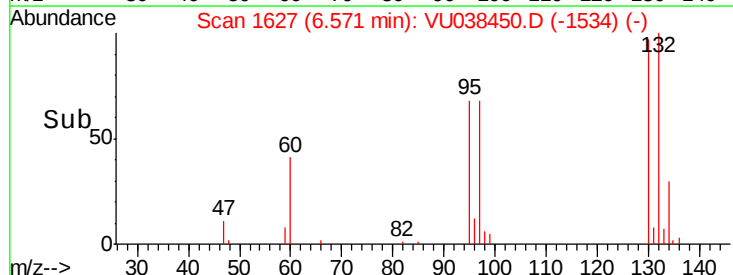
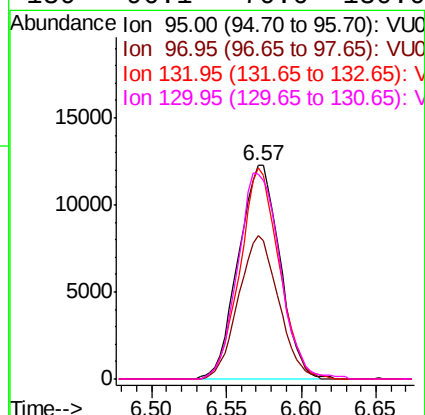
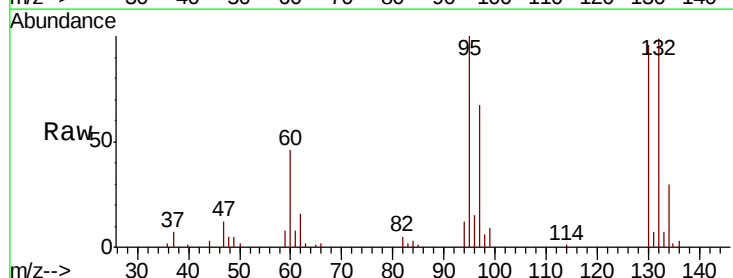
Instrument :
MSVOA_U
ClientSampled :

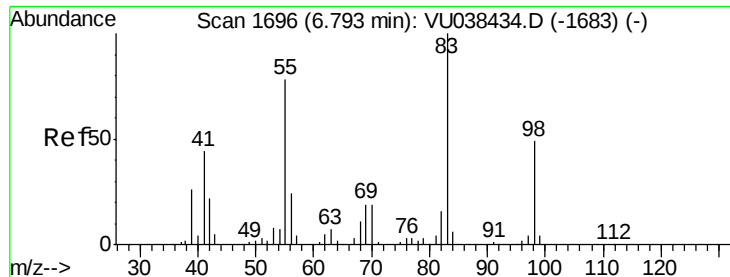
Tot Ion: 83 Resp: 47096
Ion Ratio Lower Upper
83 100
85 62.2 44.9 83.5



#34
Trichloroethene
Concen: 1.073 ug/L
RT: 6.57 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VU038450.D
Acq: 31 May 2020 06:14

Tgt Ion: 95 Resp: 23722
Ion Ratio Lower Upper
95 100
97 67.4 46.8 87.0
132 98.9 66.1 122.7
130 96.1 70.0 130.0

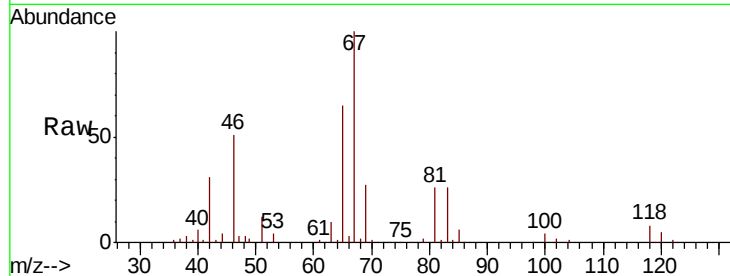




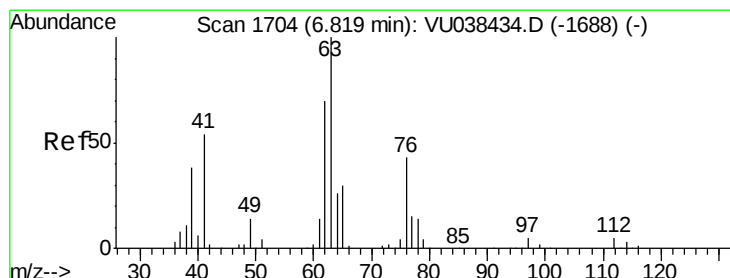
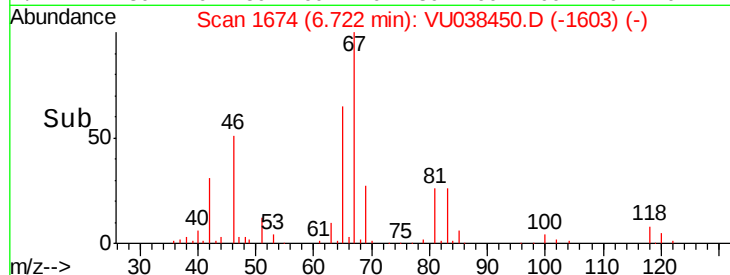
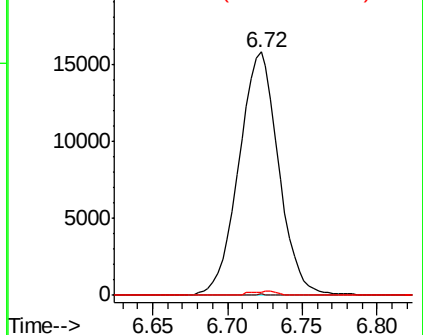
#35
Methvlcvclohexane
Concen: 0.852 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU038450.D
Acq: 31 May 2020 06:14

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 29149
Ion Ratio Lower Upper
83 100
55 0.1 63.4 95.2#
98 1.0 39.0 58.4#

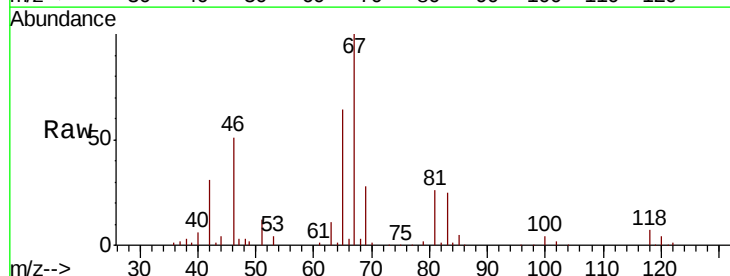


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

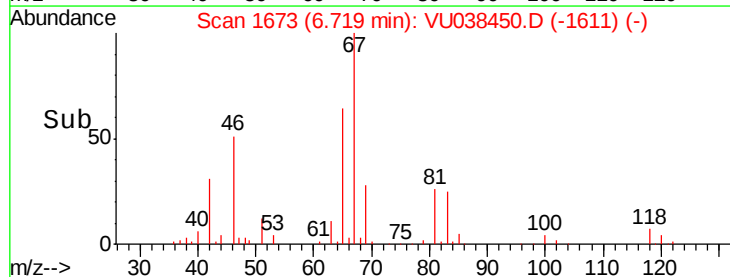
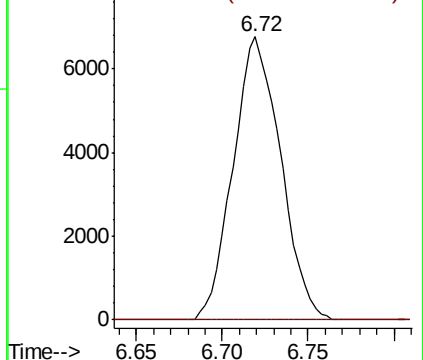


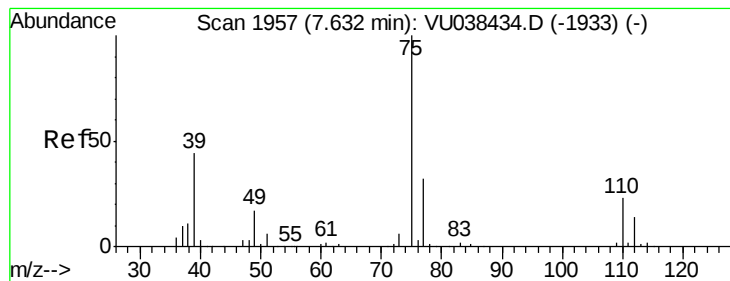
#37
1,2-Dichloropropane
Concen: 0.605 ug/L
RT: 6.72 min Scan# 1673
Delta R.T. -0.10 min
Lab File: VU038450.D
Acq: 31 May 2020 06:14

Tgt Ion: 63 Resp: 12972
Ion Ratio Lower Upper
63 100
112 0.0 3.7 5.5#



Abundance Ion 63.10 (62.80 to 63.80): VU0
Ion 112.10 (111.80 to 112.80): V



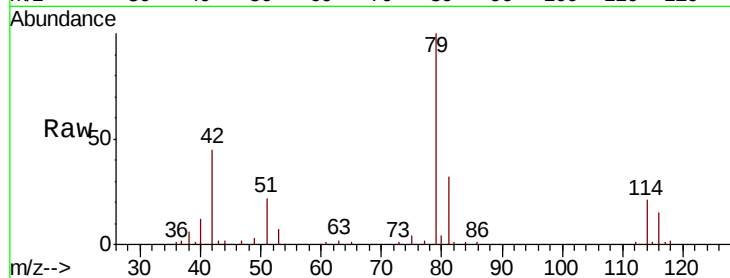


#39

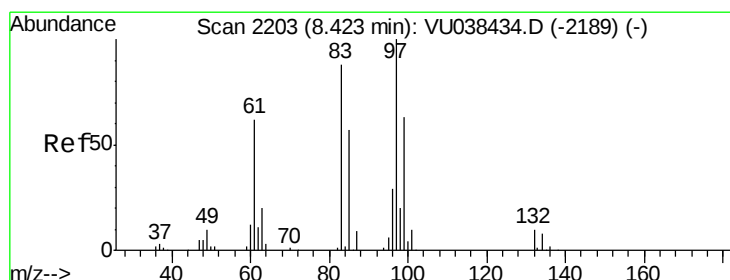
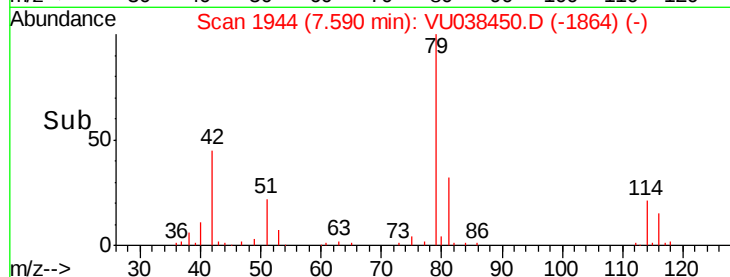
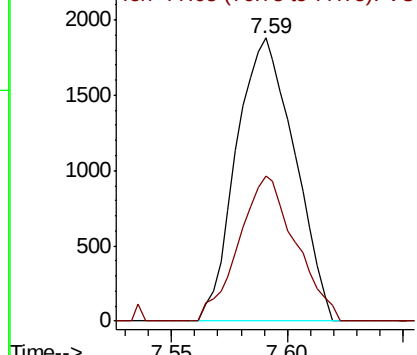
cis-1,3-Dichloropropene
Concen: 0.104 ug/L
RT: 7.59 min Scan# 1944
Delta R.T. -0.04 min
Lab File: VU038450.D
Acq: 31 May 2020 06:14

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 3282
Ion Ratio Lower Upper
75 100
77 51.5 21.9 40.7#



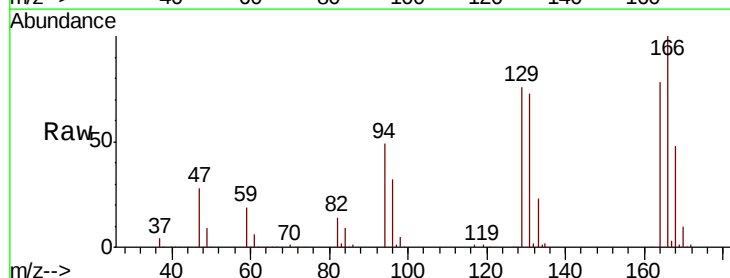
Abundance Ion 75.05 (74.75 to 75.75): VU0
Ion 77.05 (76.75 to 77.75): VU0



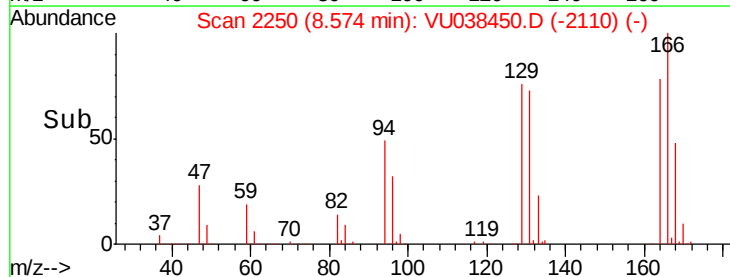
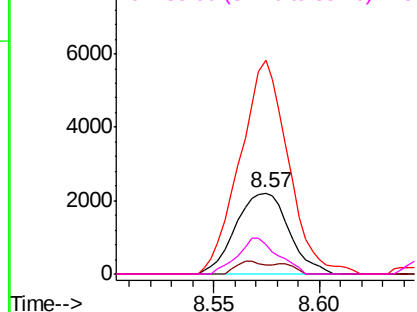
#45

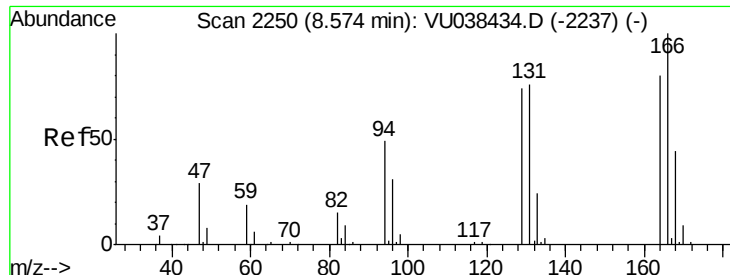
1,1,2-Trichloroethane
Concen: 0.239 ug/L
RT: 8.57 min Scan# 2250
Delta R.T. 0.15 min
Lab File: VU038450.D
Acq: 31 May 2020 06:14

Tgt Ion: 97 Resp: 3868
Ion Ratio Lower Upper
97 100
99 11.7 42.1 78.1#
83 264.1 58.8 109.2#
85 35.7 37.4 69.4#



Abundance Ion 96.95 (96.65 to 97.65): VU0
Ion 99.05 (98.75 to 99.75): VU0
Ion 82.95 (82.65 to 83.65): VU0
Ion 85.00 (84.70 to 85.70): VU0





#47

Tetrachloroethene

Concen: 23.649 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU038450.D

Acq: 31 May 2020 06:14

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:164 Resp: 379871

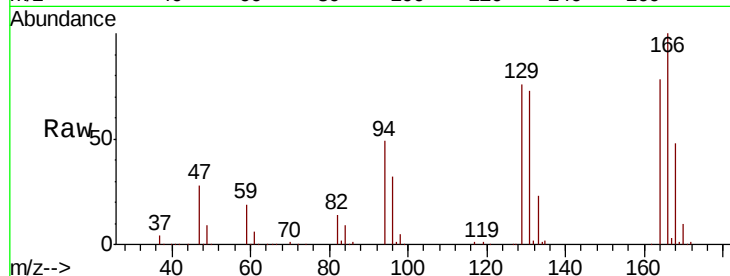
Ion Ratio Lower Upper

164 100

129 97.9 67.4 125.2

131 93.3 64.1 119.1

166 128.7 85.7 159.1

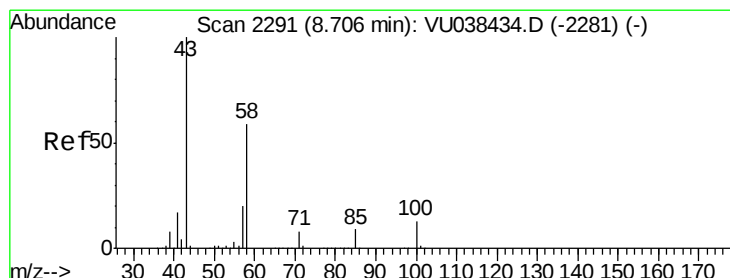
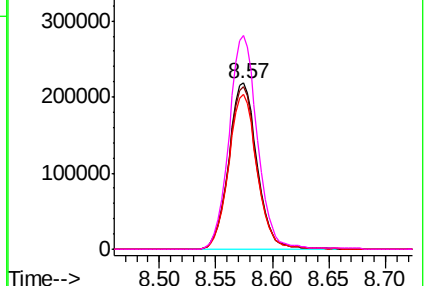
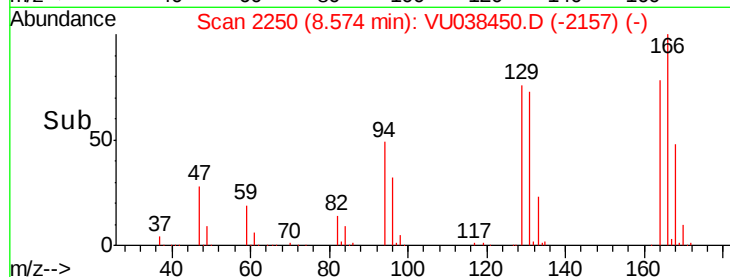


Abundance Ion 163.90 (163.60 to 164.60): V

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: 1.276 ug/L

RT: 8.70 min Scan# 2290

Delta R.T. -0.00 min

Lab File: VU038450.D

Acq: 31 May 2020 06:14

Tgt Ion: 43 Resp: 14818

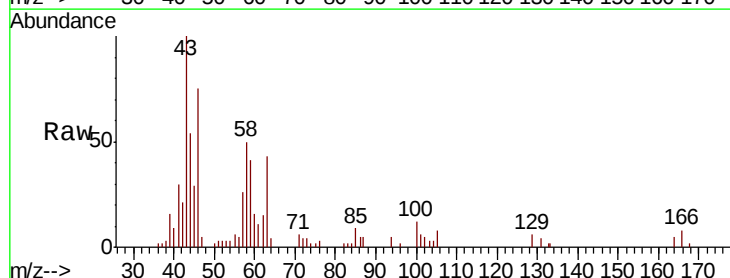
Ion Ratio Lower Upper

43 100

58 50.3 45.4 68.0

57 22.7 15.9 23.9

100 12.7 10.5 15.7

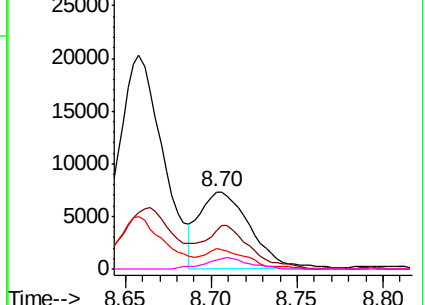
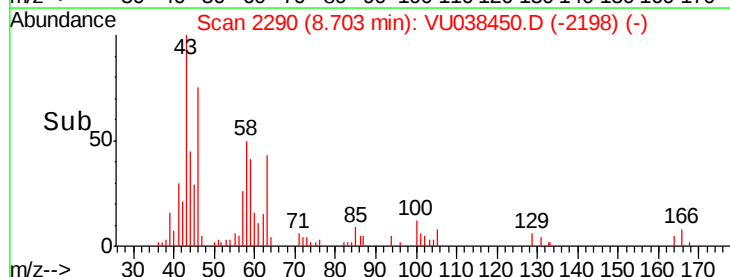


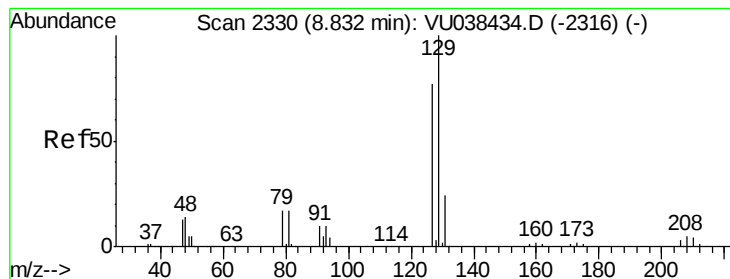
Abundance Ion 43.05 (42.75 to 43.75): VU0

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: 21.064 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.26 min

Lab File: VU038450.D

Acq: 31 May 2020 06:14

Instrument :

MSVOA_U

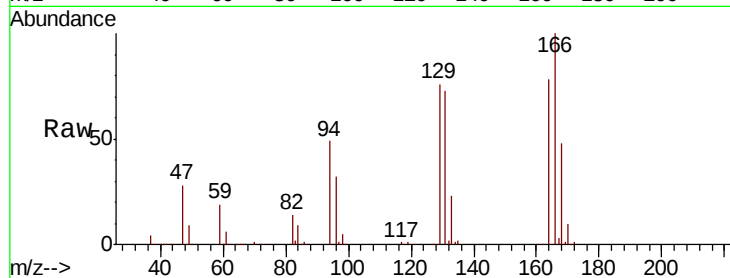
ClientSampled :

Tot Ion:129 Resp: 367668

Ion Ratio Lower Upper

129 100

127 0.1 53.3 99.1#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.57

250000

200000

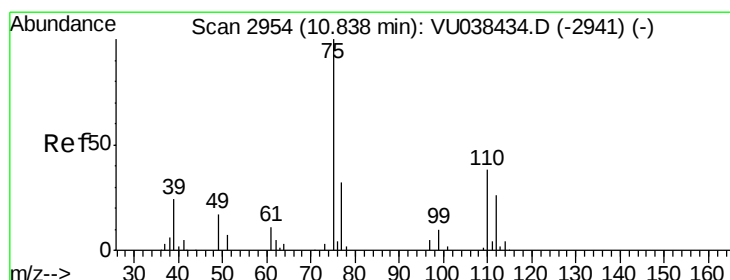
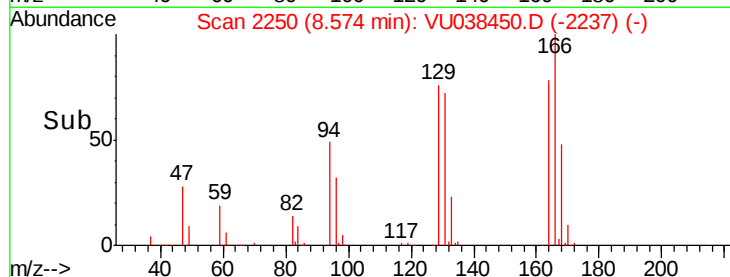
150000

100000

50000

0

Time-->



#59

1,2,3-Trichloropropane

Concen: 1.147 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU038450.D

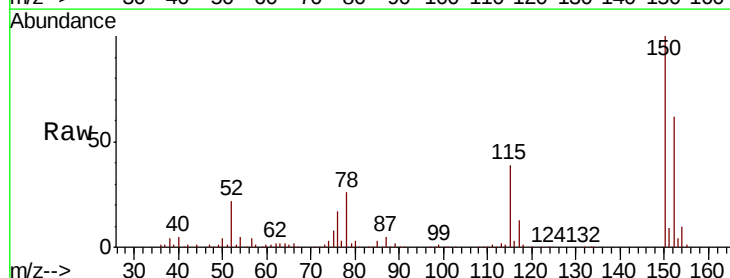
Acq: 31 May 2020 06:14

Tgt Ion: 75 Resp: 18345

Ion Ratio Lower Upper

75 100

77 38.5 25.4 38.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.82

10000

5000

0

Time-->

