

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU053120\
 Data File : VU038456.D
 Acq On : 31 May 2020 08:32
 Operator : JC/MD
 Sample : L2788-18
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 01 06:32:21 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	309601	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	300440	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	143528	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	93318	4.66	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.20%
7) Chloroethane-d5	1.93	69	80582	5.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.60%
11) 1,1-Dichloroethene-d2	2.59	63	142976	3.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.60%
20) 2-Butanone-d5	4.68	46	376746	61.89	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	123.78%
24) Chloroform-d	5.10	84	199469	5.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.00%
26) 1,2-Dichloroethane-d4	5.74	65	118147	5.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	110.60%
32) Benzene-d6	5.76	84	395165	5.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.40%
36) 1,2-Dichloropropane-d6	6.72	67	123368	5.35	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.00%
41) Toluene-d8	7.92	98	330037	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.00%
43) trans-1,3-Dichloropropene-	8.20	79	47299	4.77	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	95.40%
46) 2-Hexanone-d5	8.65	63	321644	65.66	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	131.32%#
57) 1,1,2,2-Tetrachloroethane-	10.77	84	109818	5.61	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	112.20%
64) 1,2-Dichlorobenzene-d4	12.20	152	137704	5.56	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.61	101	8093	0.431	ug/L #	84
12) 1,1-Dichloroethene	2.60	96	1338	0.070	ug/L #	1
13) Acetone	2.68	43	18899	4.744	ug/L	59
19) 1,1-Dichloroethane	3.92	63	6404	0.174	ug/L	88
21) 2-Butanone	4.85	43	199620	29.793	ug/L #	50
22) cis-1,2-Dichloroethene	4.70	96	8041	0.363	ug/L	89
25) Chloroform	5.13	83	35080	0.939	ug/L	98
30) Cyclohexane	5.42	56	5299	0.159	ug/L	98
34) Trichloroethene	6.57	95	188769	8.681	ug/L	97
35) Methylcyclohexane	6.72	83	29140	0.866	ug/L #	18
37) 1,2-Dichloropropane	6.72	63	13670	0.648	ug/L #	87
39) cis-1,3-Dichloropropene	7.59	75	3275	0.105	ug/L #	63
47) Tetrachloroethene	8.57	164	3858	0.244	ug/L #	85
48) 2-Hexanone	8.71	43	12207	1.069	ug/L #	92
49) Dibromochloromethane	8.57	129	4231	0.246	ug/L #	11
59) 1,2,3-Trichloropropane	11.82	75	17953	1.141	ug/L #	87

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Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Jun 01 06:27:31 2020
Response via : Initial Calibration

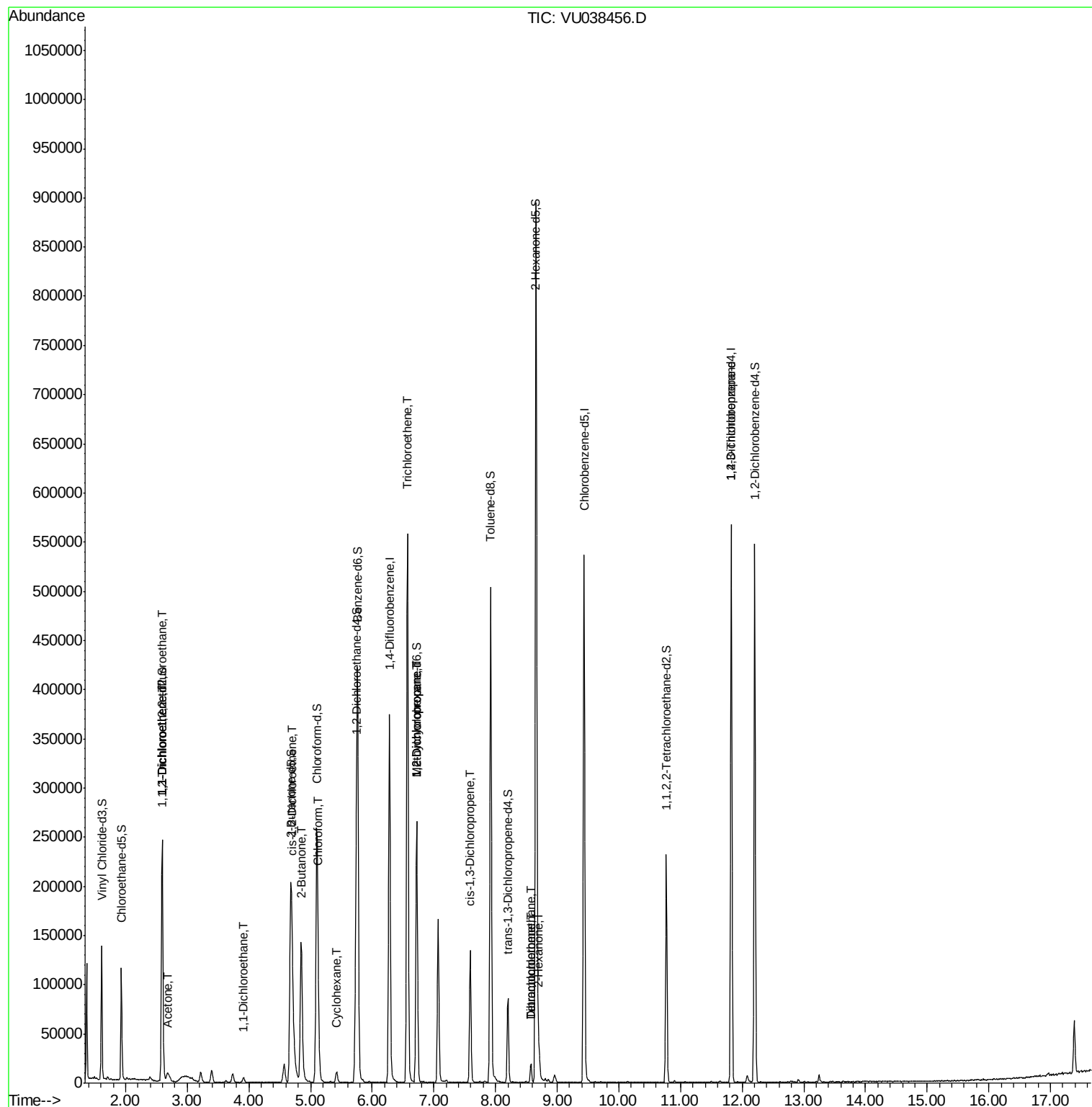
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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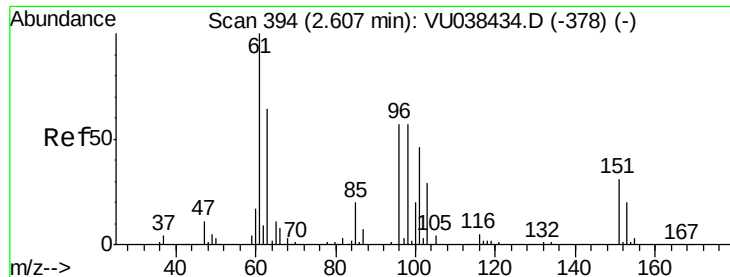
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU053120\
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QLast Update : Mon Jun 01 06:27:31 2020
Response via : Initial Calibration





#10

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

Concen: 0.431 ug/L

RT: 2.61 min Scan# 394

Delta R.T. 0.00 min

Lab File: VU038456.D

Acq: 31 May 2020 08:32

Instrument :

MSVOA_U

ClientSampled :

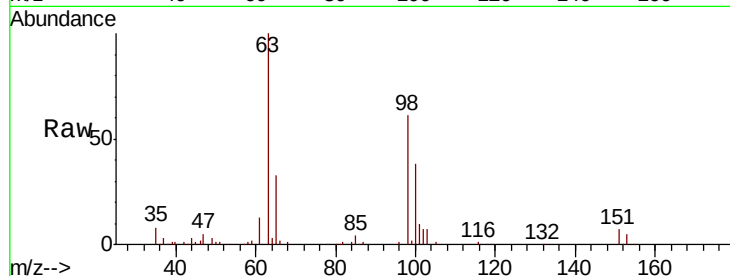
Tot Ion:101 Resp: 8093

Ion Ratio Lower Upper

101 100

85 35.0 34.0 51.0

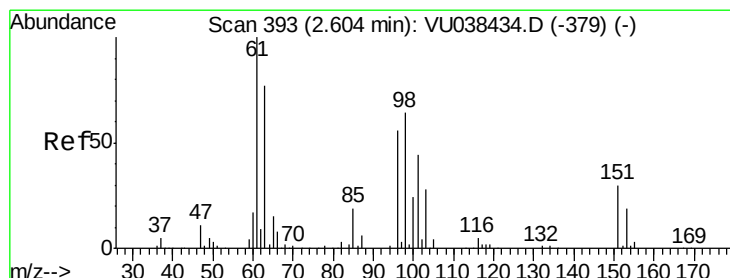
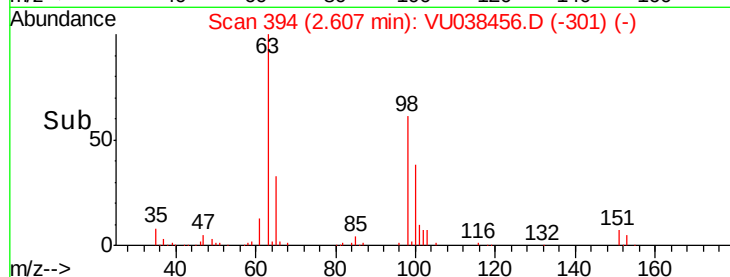
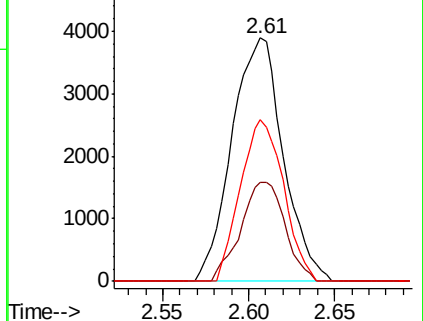
151 55.8 56.9 85.3#



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



#12

1,1-Dichloroethene

Concen: 0.070 ug/L

RT: 2.60 min Scan# 391

Delta R.T. -0.01 min

Lab File: VU038456.D

Acq: 31 May 2020 08:32

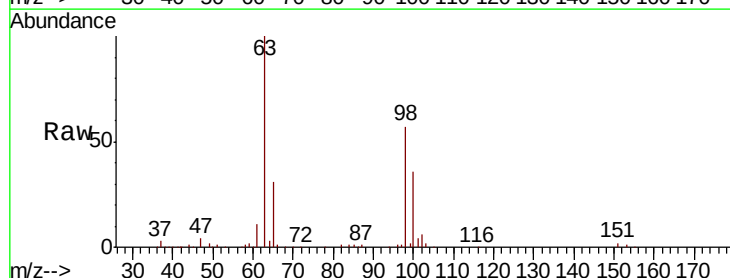
Tgt Ion: 96 Resp: 1338

Ion Ratio Lower Upper

96 100

61 1429.5 119.9 222.7#

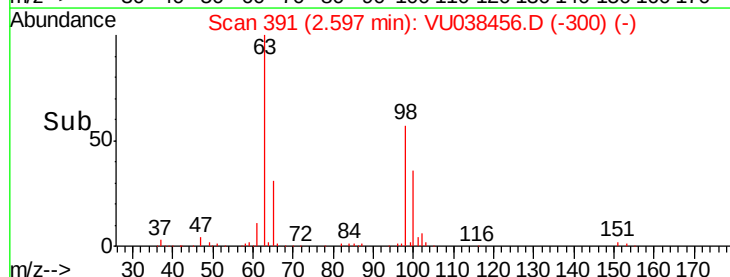
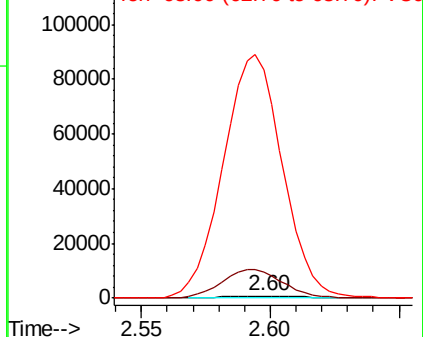
63 12543.8 89.9 167.0#

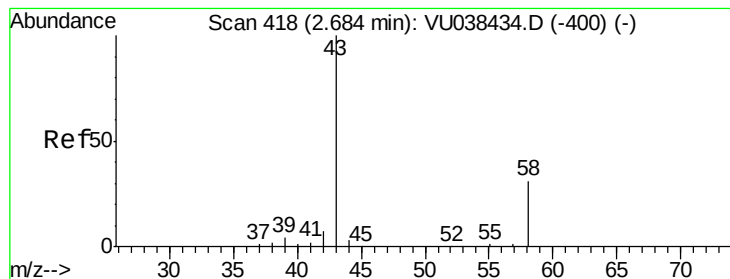


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 4.744 ug/L

RT: 2.68 min Scan# 418

Delta R.T. 0.00 min

Lab File: VU038456.D

Acq: 31 May 2020 08:32

Instrument :

MSVOA_U

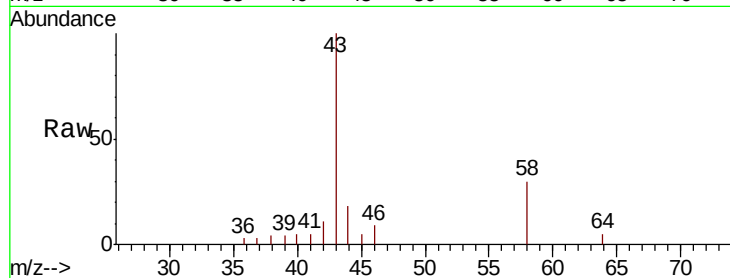
ClientSampled :

Tot Ion: 43 Resp: 18899

Ion Ratio Lower Upper

43 100

58 9.6 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) (-)

6000

5000

4000

3000

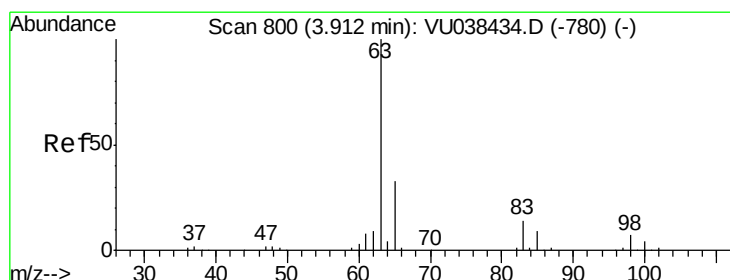
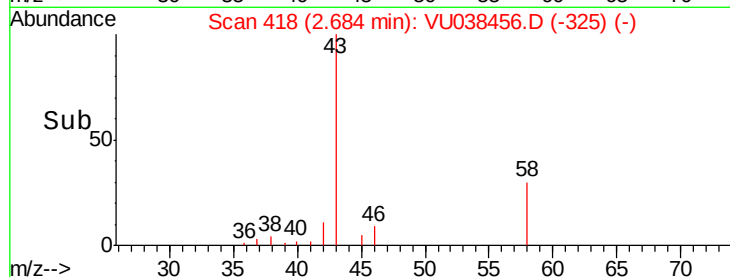
2000

1000

0

2.60 2.65 2.70 2.75 2.80

Time-->



#19

1,1-Dichloroethane

Concen: 0.174 ug/L

RT: 3.92 min Scan# 801

Delta R.T. 0.00 min

Lab File: VU038456.D

Acq: 31 May 2020 08:32

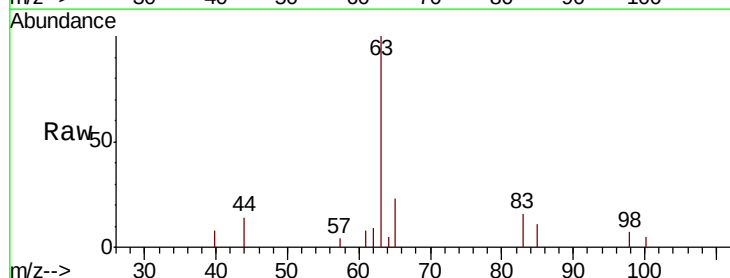
Tgt Ion: 63 Resp: 6404

Ion Ratio Lower Upper

63 100

65 22.6 22.3 41.5

83 15.5 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) (-)

3000

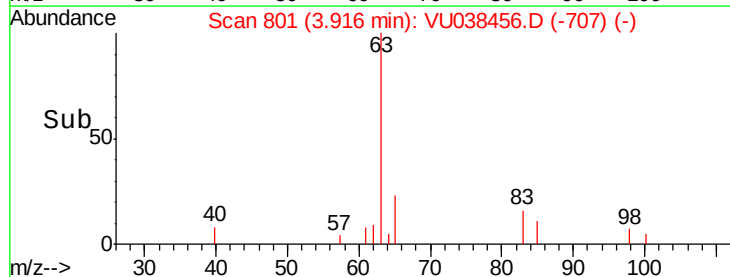
2000

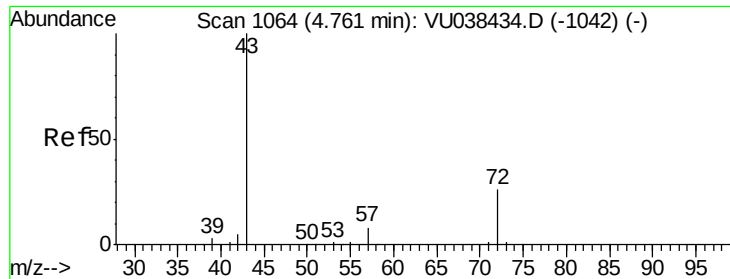
1000

0

3.85 3.90 3.95

Time-->





#21

2-Butanone

Concen: 29.793 ug/L

RT: 4.85 min Scan# 1091

Delta R.T. 0.09 min

Lab File: VU038456.D

Acq: 31 May 2020 08:32

Instrument :

MSVOA_U

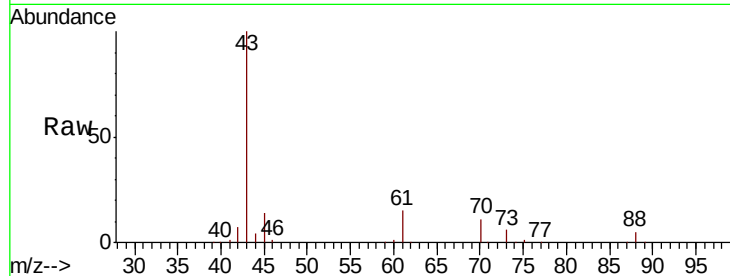
ClientSampled :

Tot Ion: 43 Resp: 199620

Ion Ratio Lower Upper

43 100

72 0.0 12.6 37.8#



Abundance Ion 43.05 (42.75 to 43.75): VU038456.D (-971) (-)

Ion 72.10 (71.80 to 72.80): VU038456.D (-971) (-)

4.85

80000

60000

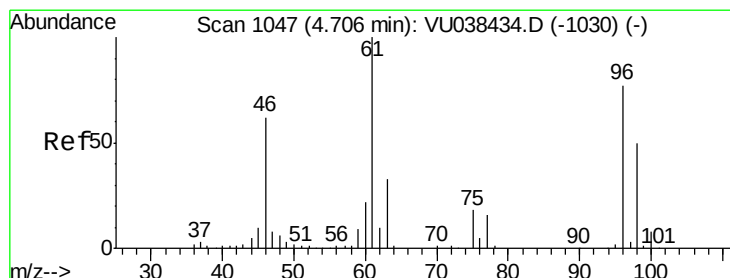
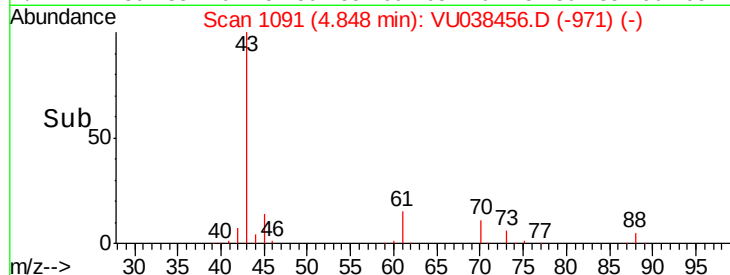
40000

20000

0

4.75 4.80 4.85 4.90 4.95

Time-->



#22

cis-1,2-Dichloroethene

Concen: 0.363 ug/L

RT: 4.70 min Scan# 1046

Delta R.T. -0.00 min

Lab File: VU038456.D

Acq: 31 May 2020 08:32

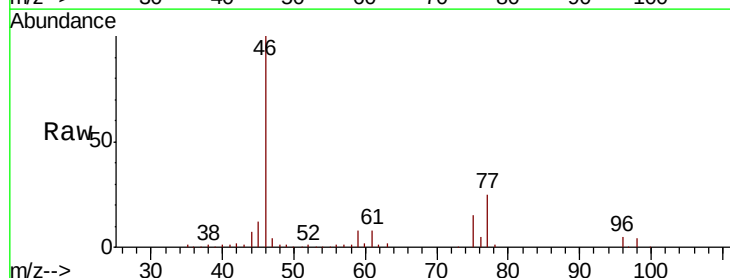
Tgt Ion: 96 Resp: 8041

Ion Ratio Lower Upper

96 100

61 147.0 94.0 174.6

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038456.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU038456.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU038456.D (-954) (-)

6000

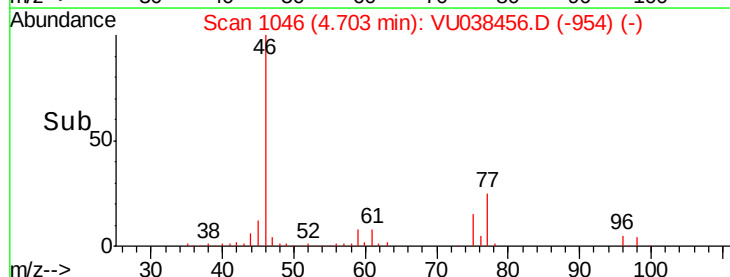
4000

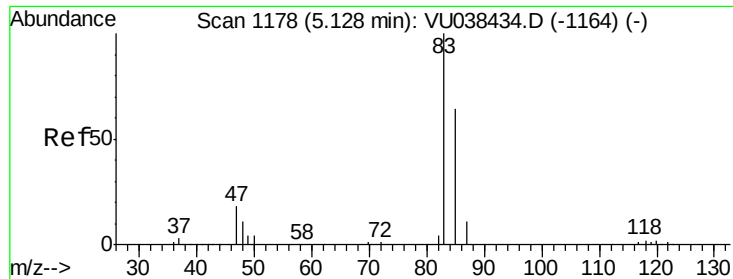
2000

0

4.65 4.70 4.75

Time-->

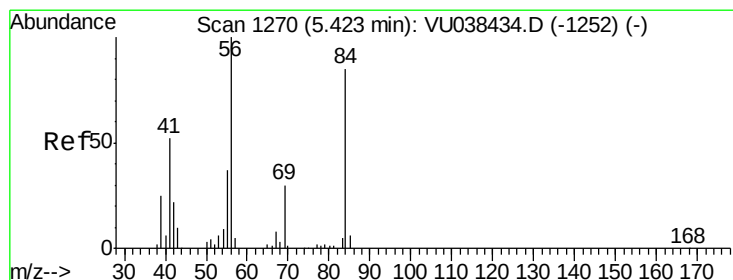
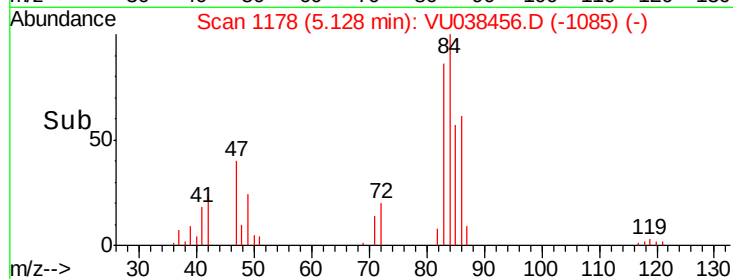
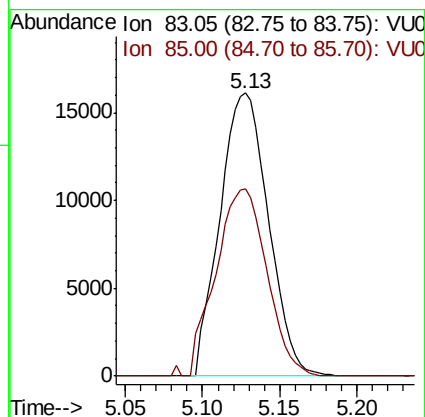
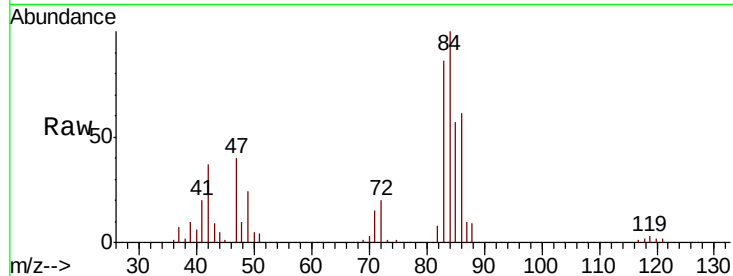




#25
Chloroform
Concen: 0.939 ug/L
RT: 5.13 min Scan# 1178
Delta R.T. 0.00 min
Lab File: VU038456.D
Acq: 31 May 2020 08:32

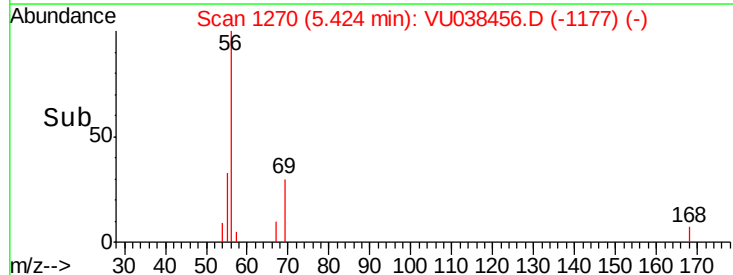
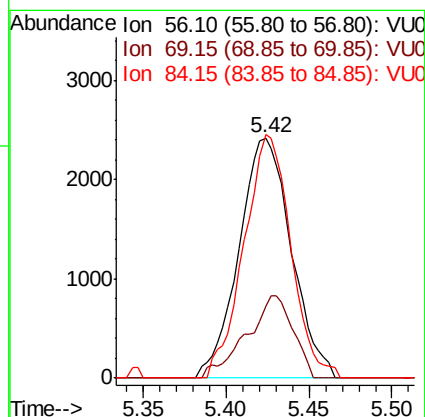
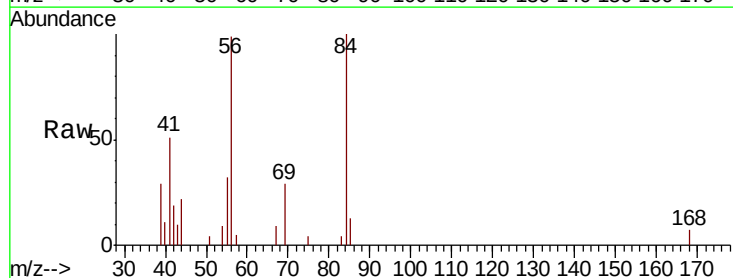
Instrument :
MSVOA_U
ClientSampleId :

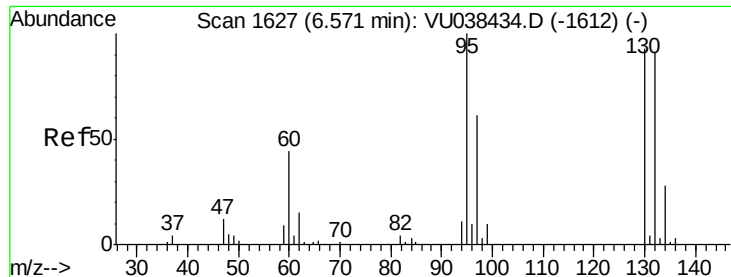
Tot Ion: 83 Resp: 35080
Ion Ratio Lower Upper
83 100
85 66.0 44.9 83.5



#30
Cyclohexane
Concen: 0.159 ug/L
RT: 5.42 min Scan# 1270
Delta R.T. 0.00 min
Lab File: VU038456.D
Acq: 31 May 2020 08:32

Tgt Ion: 56 Resp: 5299
Ion Ratio Lower Upper
56 100
69 30.5 24.2 36.4
84 90.7 70.8 106.2

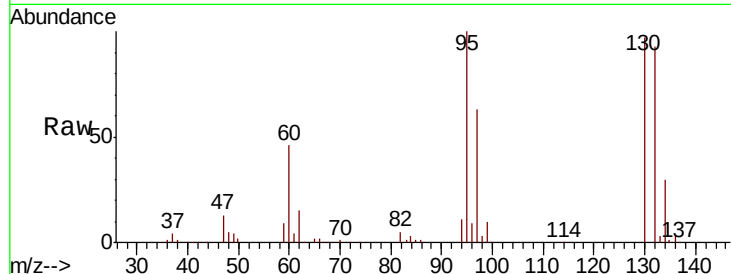




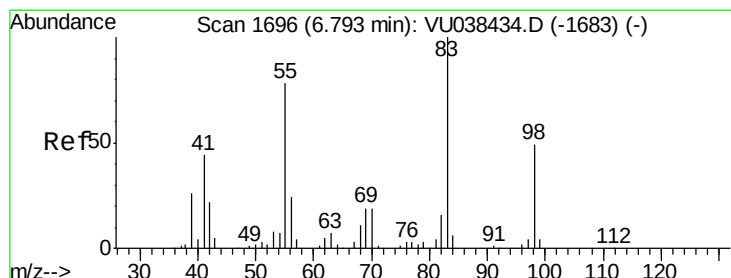
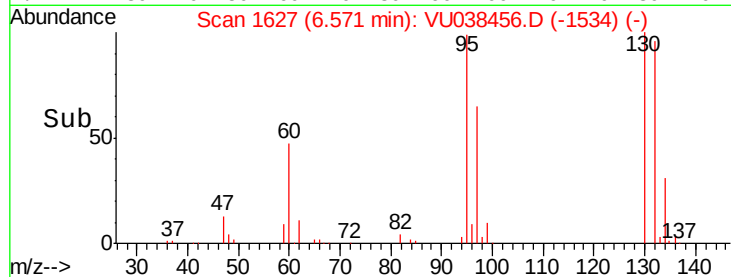
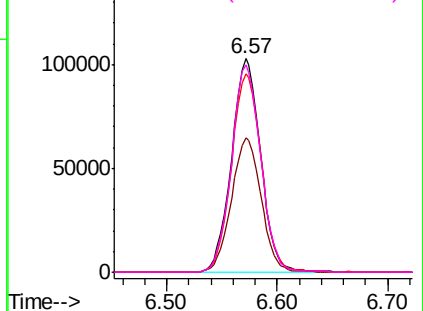
#34
 Trichloroethene
 Concen: 8.681 ug/L
 RT: 6.57 min Scan# 1627
 Delta R.T. 0.00 min
 Lab File: VU038456.D
 Acq: 31 May 2020 08:32

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion: 95 Resp: 188769
 Ion Ratio Lower Upper
 95 100
 97 62.9 46.8 87.0
 132 93.0 66.1 122.7
 130 97.1 70.0 130.0

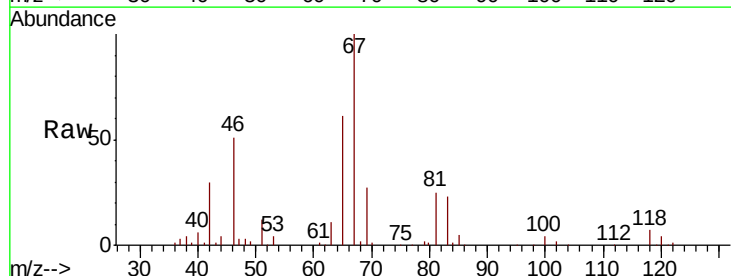


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

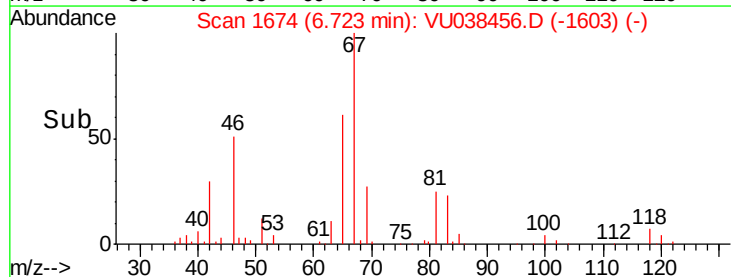
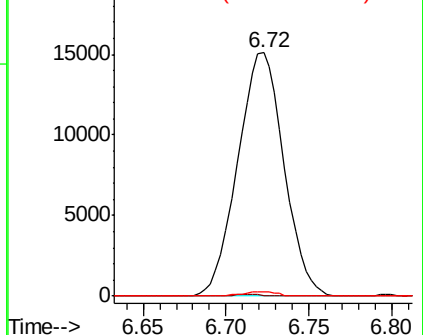


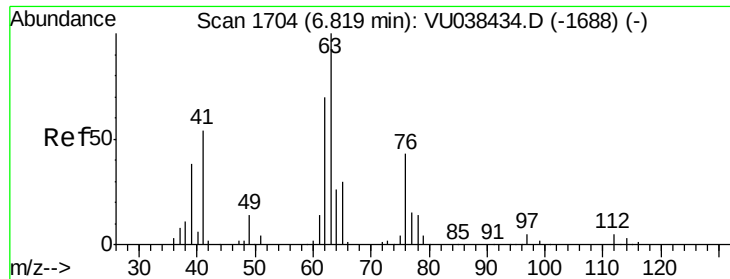
#35
 Methylcyclohexane
 Concen: 0.866 ug/L
 RT: 6.72 min Scan# 1674
 Delta R.T. -0.07 min
 Lab File: VU038456.D
 Acq: 31 May 2020 08:32

Tgt Ion: 83 Resp: 29140
 Ion Ratio Lower Upper
 83 100
 55 0.4 63.4 95.2#
 98 1.2 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

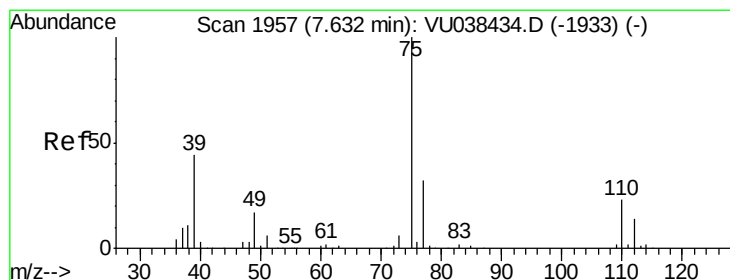
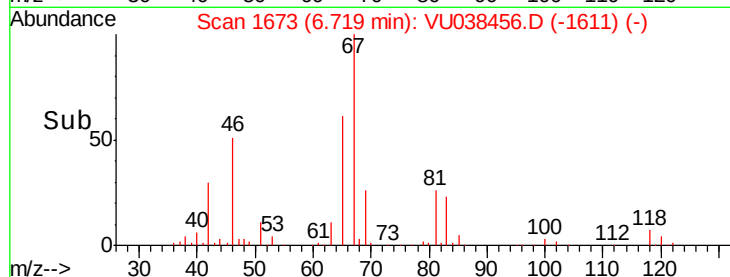
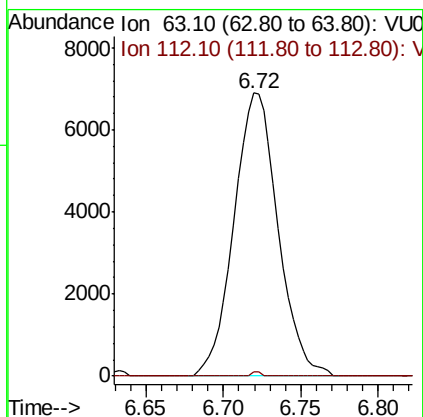
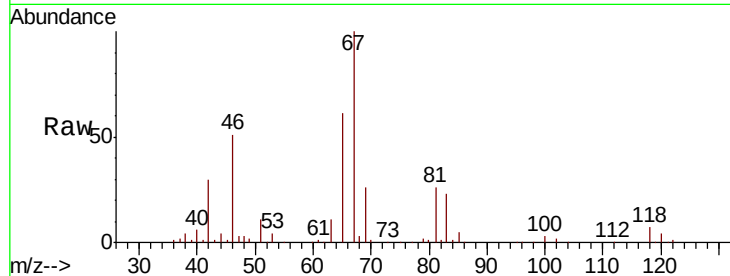




#37
 1,2-Dichloropropane
 Concen: 0.648 ug/L
 RT: 6.72 min Scan# 1673
 Delta R.T. -0.10 min
 Lab File: VU038456.D
 Acq: 31 May 2020 08:32

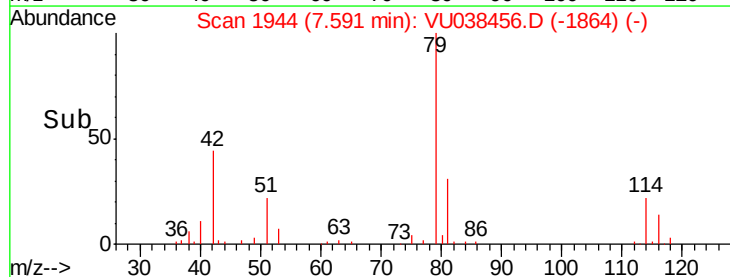
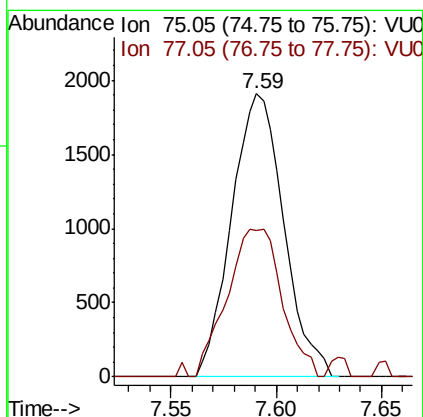
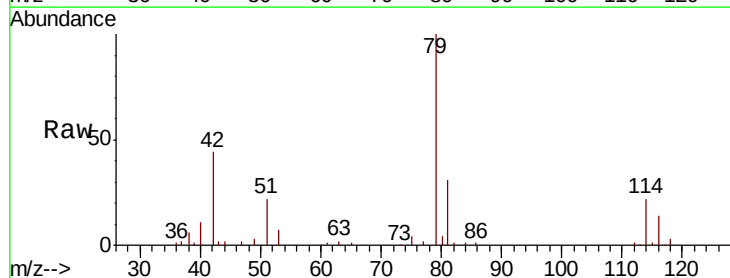
Instrument :
 MSVOA_U
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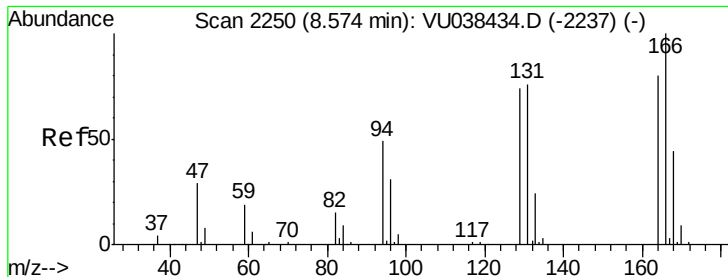
Tot Ion: 63 Resp: 13670
 Ion Ratio Lower Upper
 63 100
 112 0.3 3.7 5.5#



#39
 cis-1,3-Dichloropropene
 Concen: 0.105 ug/L
 RT: 7.59 min Scan# 1944
 Delta R.T. -0.04 min
 Lab File: VU038456.D
 Acq: 31 May 2020 08:32

Tgt Ion: 75 Resp: 3275
 Ion Ratio Lower Upper
 75 100
 77 51.6 21.9 40.7#





#47

Tetrachloroethene

Concen: 0.244 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. 0.00 min

Lab File: VU038456.D

Acq: 31 May 2020 08:32

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp: 3858

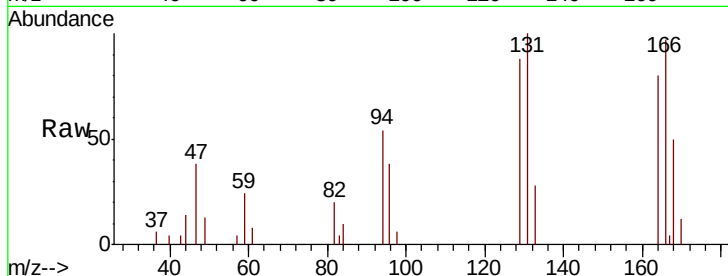
Ion Ratio Lower Upper

164 100

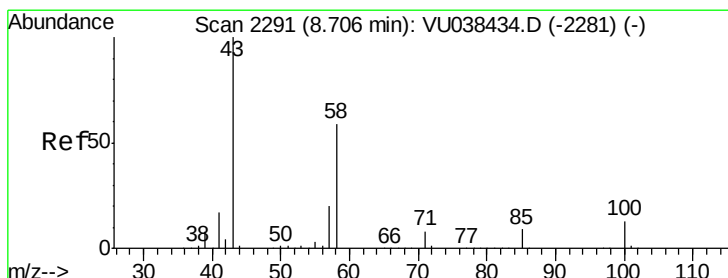
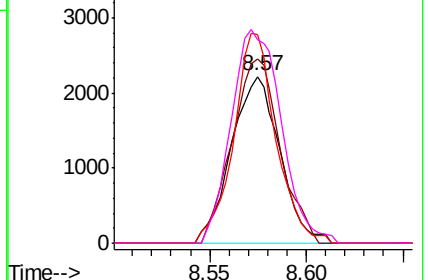
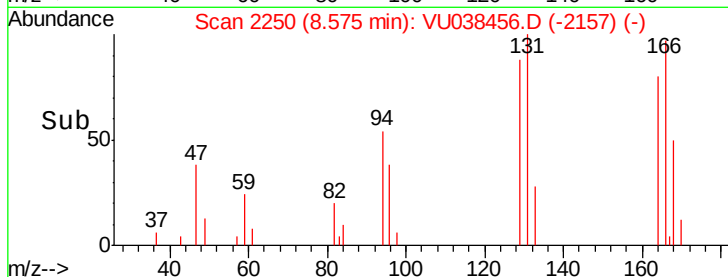
129 110.7 67.4 125.2

131 125.3 64.1 119.1#

166 122.0 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: 1.069 ug/L

RT: 8.71 min Scan# 2291

Delta R.T. 0.00 min

Lab File: VU038456.D

Acq: 31 May 2020 08:32

Tgt Ion: 43 Resp: 12207

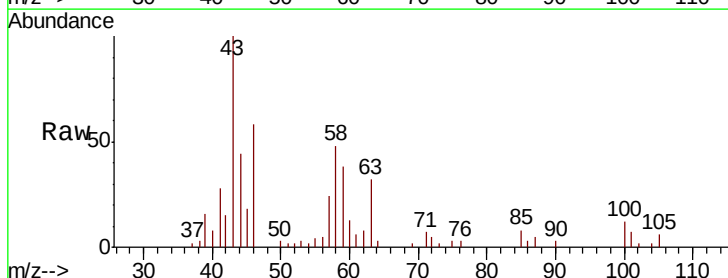
Ion Ratio Lower Upper

43 100

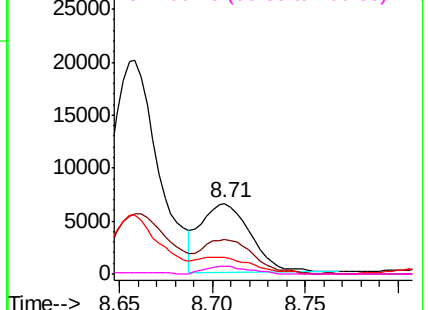
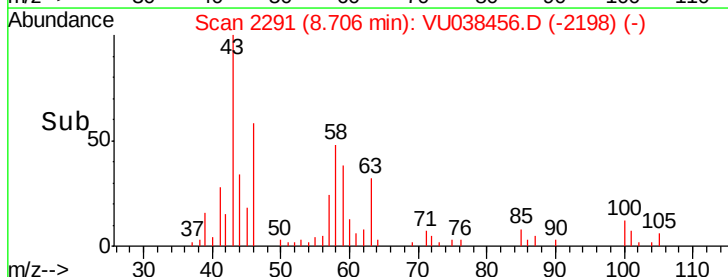
58 53.1 45.4 68.0

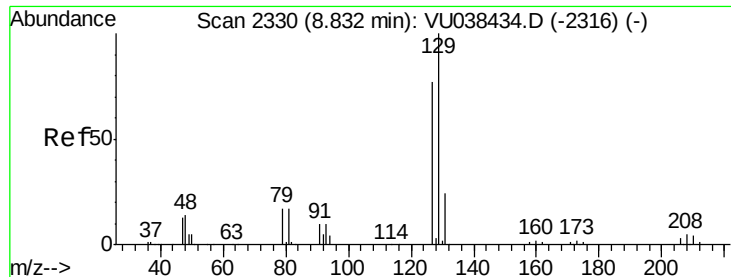
57 27.4 15.9 23.9#

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: 0.246 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.26 min

Lab File: VU038456.D

Acq: 31 May 2020 08:32

Instrument :

MSVOA_U

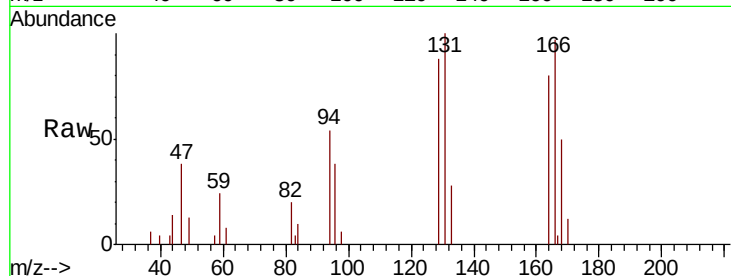
ClientSampled :

Tot Ion:129 Resp: 4231

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

8.57

2500

2000

1500

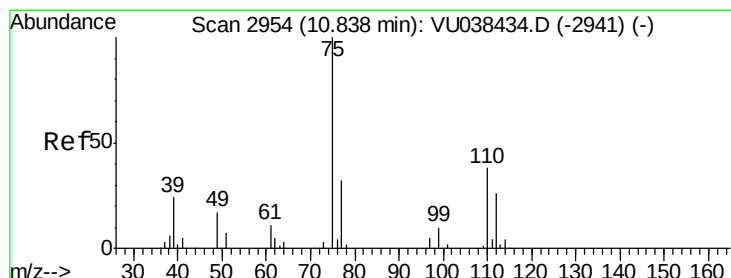
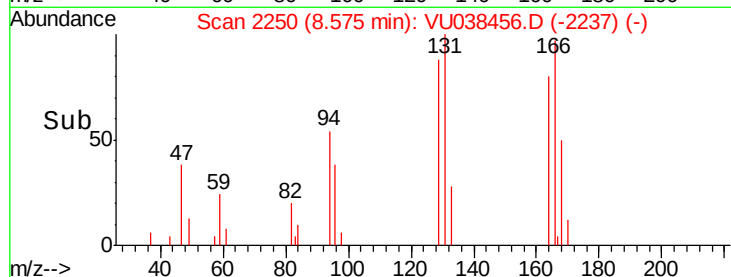
1000

500

0

8.55 8.60

Time-->



#59

1,2,3-Trichloropropane

Concen: 1.141 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU038456.D

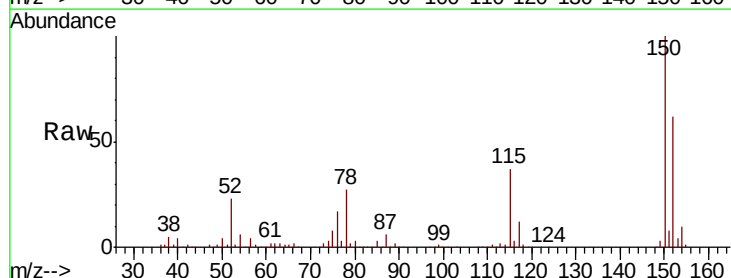
Acq: 31 May 2020 08:32

Tgt Ion: 75 Resp: 17953

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

11.82

10000

5000

0

11.80 11.85

Time-->

