

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050720\
 Data File : VU038052.D
 Acq On : 07 May 2020 20:28
 Operator : JC/MD
 Sample : L2527-15
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 08 01:55:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 08 01:51:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	363290	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	359360	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	166435	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	149125	4.49	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.80%
7) Chloroethane-d5	1.93	69	123197	4.29	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	85.80%
11) 1,1-Dichloroethene-d2	2.59	63	181809	3.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.40%
20) 2-Butanone-d5	4.66	46	307451	37.50	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	75.00%
24) Chloroform-d	5.10	84	194150	3.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.00%
26) 1,2-Dichloroethane-d4	5.74	65	126751	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.80%
32) Benzene-d6	5.76	84	487247	4.52	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.40%
36) 1,2-Dichloropropane-d6	6.72	67	154553	4.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	89.00%
41) Toluene-d8	7.92	98	436285	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.20%
43) trans-1,3-Dichloropropene-	8.20	79	54788	3.94	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.80%
46) 2-Hexanone-d5	8.65	63	274641	41.78	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	83.56%
57) 1,1,2,2-Tetrachloroethane-	10.77	84	112044	4.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.80%
64) 1,2-Dichlorobenzene-d4	12.20	152	150962	4.66	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.20%

Target Compounds

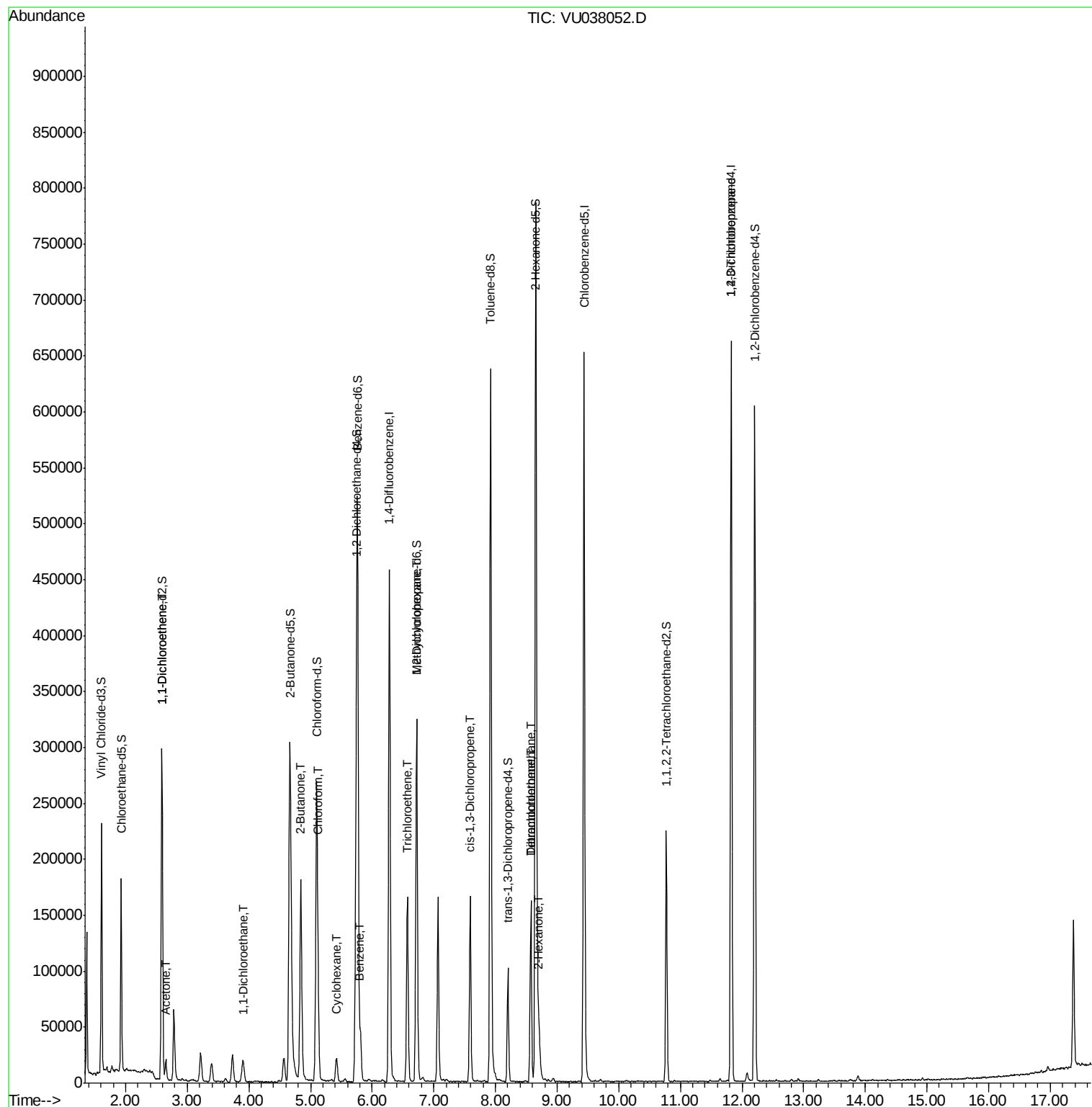
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.60	96	4544	0.180	ug/L #	1
13) Acetone	2.65	43	20207	3.928	ug/L	98
19) 1,1-Dichloroethane	3.91	63	19795	0.368	ug/L	97
21) 2-Butanone	4.84	43	234199	25.795	ug/L #	49
25) Chloroform	5.12	83	30695	0.612	ug/L	93
30) Cyclohexane	5.43	56	10722	0.221	ug/L	99
33) Benzene	5.81	78	41726	0.363	ug/L	100
34) Trichloroethene	6.57	95	55033	1.912	ug/L	99
35) Methylcyclohexane	6.72	83	34894	0.748	ug/L #	16
39) cis-1,3-Dichloropropene	7.59	75	3817	0.085	ug/L #	55
47) Tetrachloroethene	8.57	164	35951	1.786	ug/L	97
48) 2-Hexanone	8.71	43	29496	1.859	ug/L #	95
49) Dibromochloromethane	8.57	129	35141	1.560	ug/L #	10
59) 1,2,3-Trichloropropane	11.82	75	22990	1.096	ug/L	93

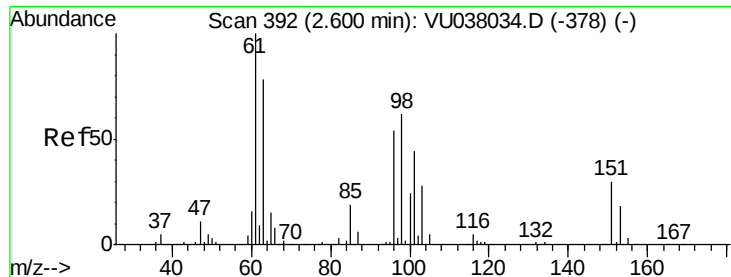
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri May 08 01:51:41 2020
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.180 ug/L

RT: 2.60 min Scan# 392

Delta R.T. -0.00 min

Lab File: VU038052.D

Acq: 07 May 2020 20:28

Instrument :
MSVOA_U
ClientSampled :

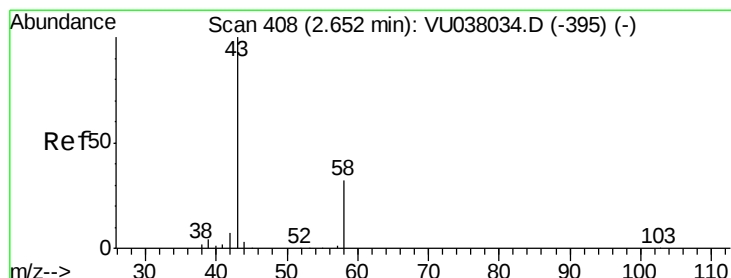
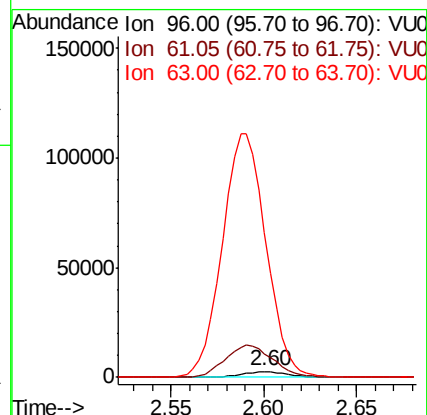
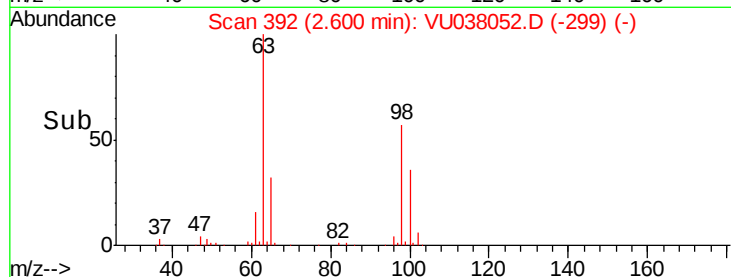
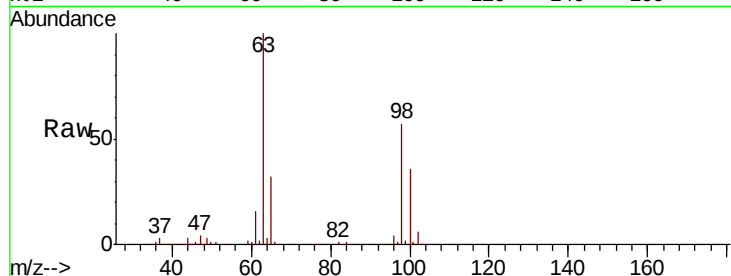
Tot Ion: 96 Resp: 4544

Ion Ratio Lower Upper

96 100

61 410.9 126.2 234.4#

63 2511.6 96.9 179.9#



#13

Acetone

Concen: 3.928 ug/L

RT: 2.65 min Scan# 408

Delta R.T. -0.00 min

Lab File: VU038052.D

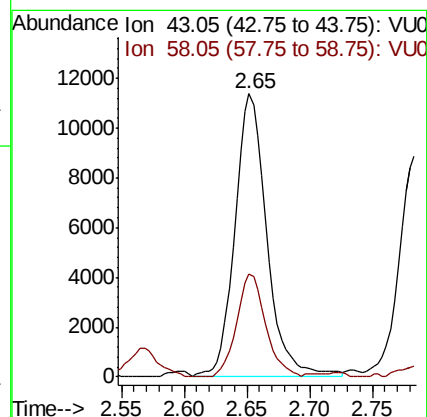
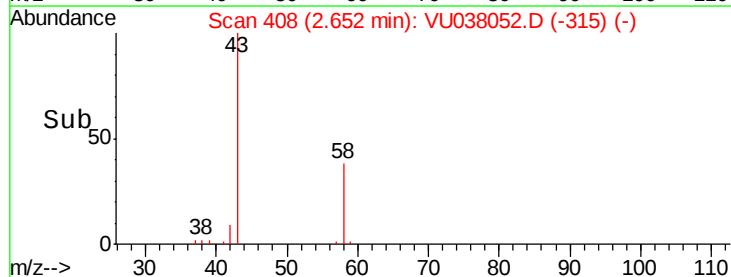
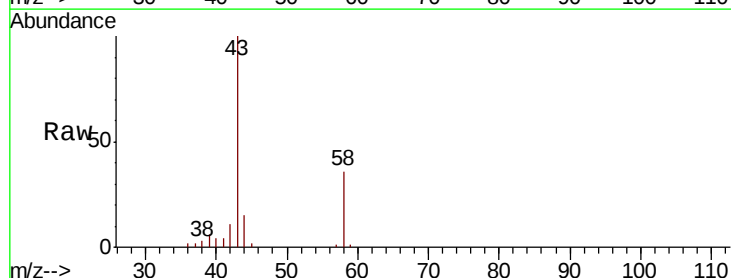
Acq: 07 May 2020 20:28

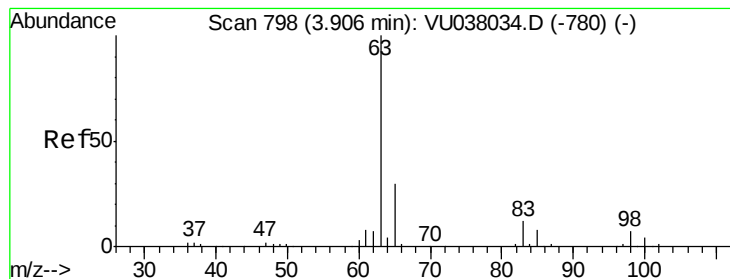
Tgt Ion: 43 Resp: 20207

Ion Ratio Lower Upper

43 100

58 32.7 0.0 63.6





#19

1,1-Dichloroethane

Concen: 0.368 ug/L

RT: 3.91 min Scan# 799

Delta R.T. 0.00 min

Lab File: VU038052.D

Acq: 07 May 2020 20:28

Instrument :

MSVOA_U

ClientSampleId :

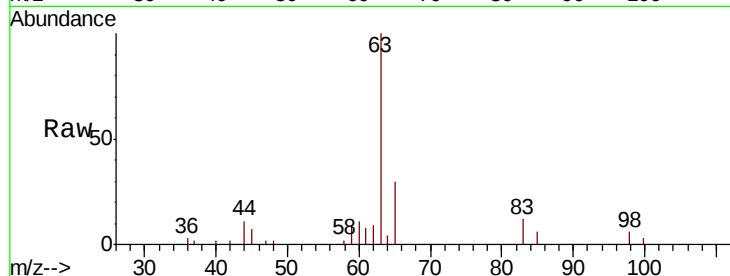
Tot Ion: 63 Resp: 19795

Ion Ratio Lower Upper

63 100

65 30.2 22.5 41.7

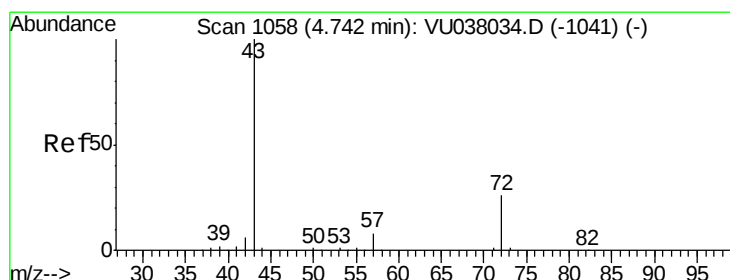
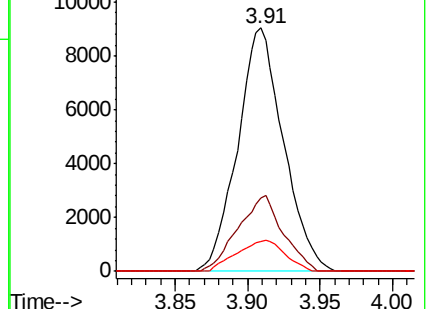
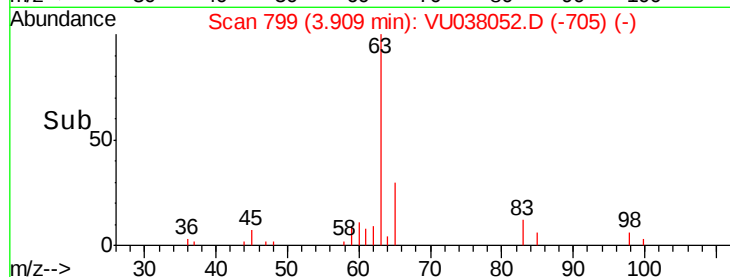
83 12.3 8.9 16.5



Abundance Ion 63.10 (62.80 to 63.80): VU038034.D (-780) (-)

Ion 65.10 (64.80 to 65.80): VU038034.D (-780) (-)

Ion 83.05 (82.75 to 83.75): VU038034.D (-780) (-)



#21

2-Butanone

Concen: 25.795 ug/L

RT: 4.84 min Scan# 1089

Delta R.T. 0.10 min

Lab File: VU038052.D

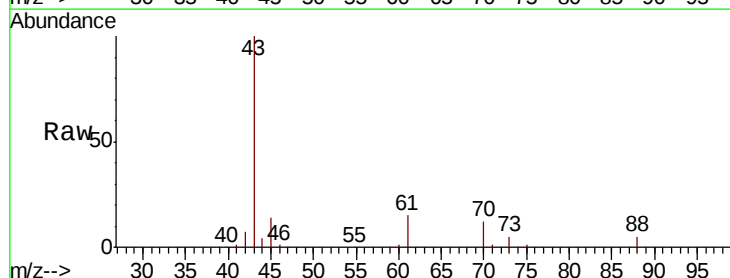
Acq: 07 May 2020 20:28

Tgt Ion: 43 Resp: 234199

Ion Ratio Lower Upper

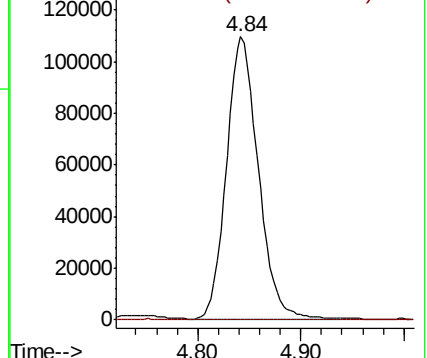
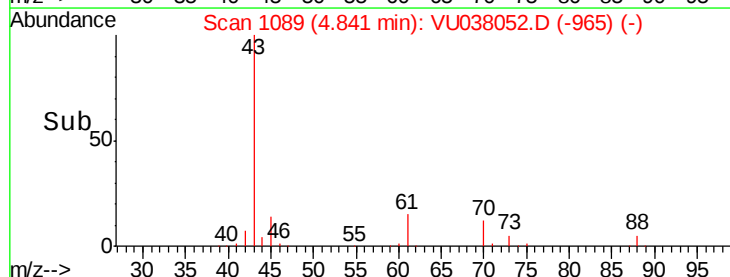
43 100

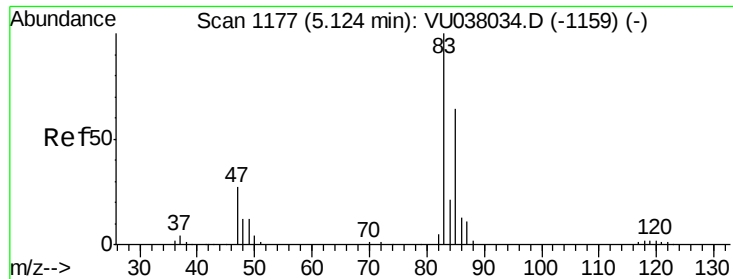
72 0.4 13.5 40.4#



Abundance Ion 43.05 (42.75 to 43.75): VU038034.D (-1041) (-)

Ion 72.10 (71.80 to 72.80): VU038034.D (-1041) (-)

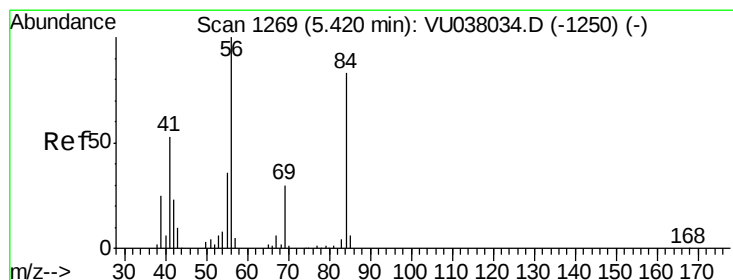
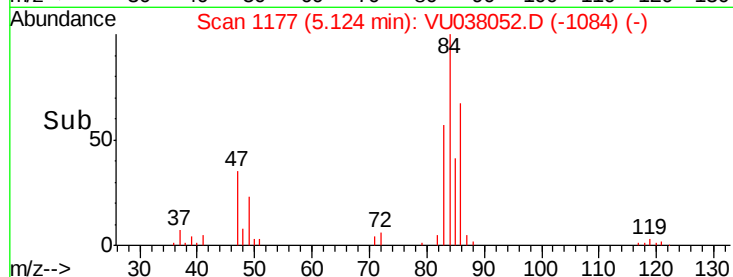
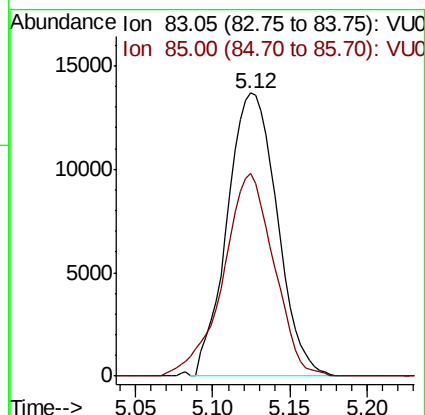
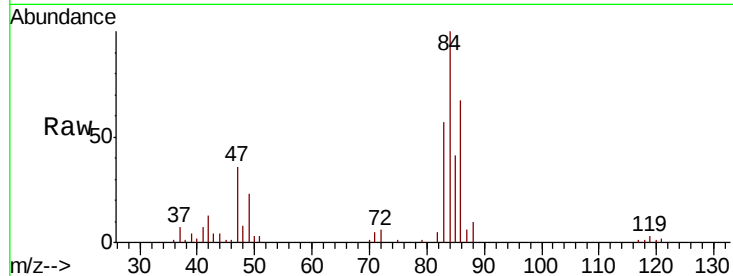




#25
Chloroform
Concen: 0.612 ug/L
RT: 5.12 min Scan# 1177
Delta R.T. -0.00 min
Lab File: VU038052.D
Acq: 07 May 2020 20:28

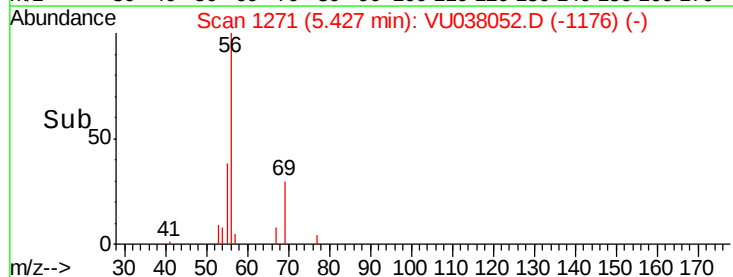
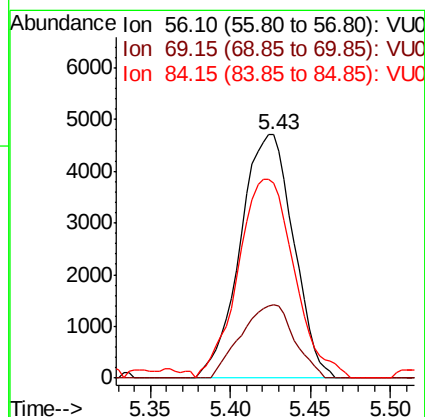
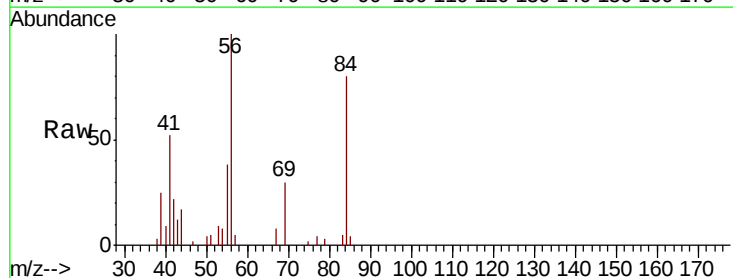
Instrument :
MSVOA_U
ClientSampleId :

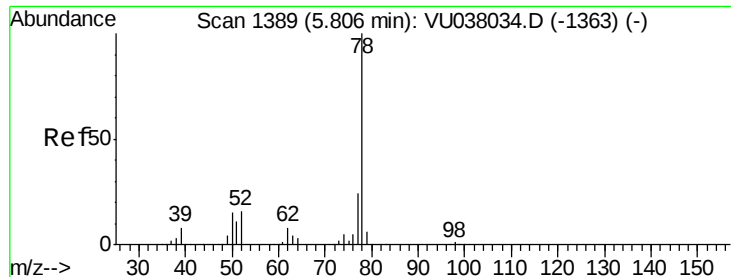
Tot Ion: 83 Resp: 30695
Ion Ratio Lower Upper
83 100
85 71.6 46.2 85.8



#30
Cyclohexane
Concen: 0.221 ug/L
RT: 5.43 min Scan# 1271
Delta R.T. 0.01 min
Lab File: VU038052.D
Acq: 07 May 2020 20:28

Tgt Ion: 56 Resp: 10722
Ion Ratio Lower Upper
56 100
69 30.1 24.2 36.4
84 86.4 68.5 102.7

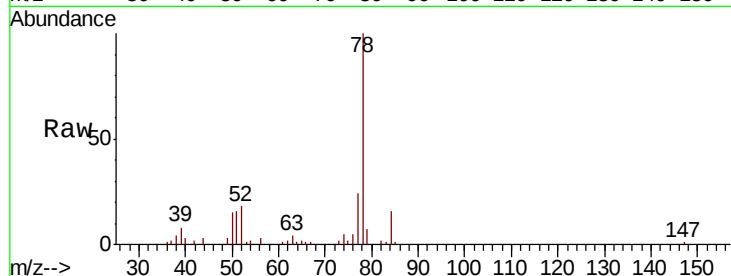




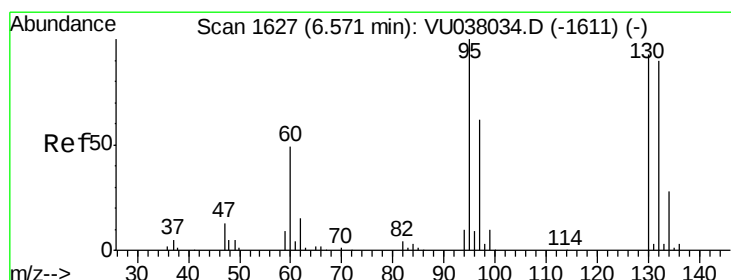
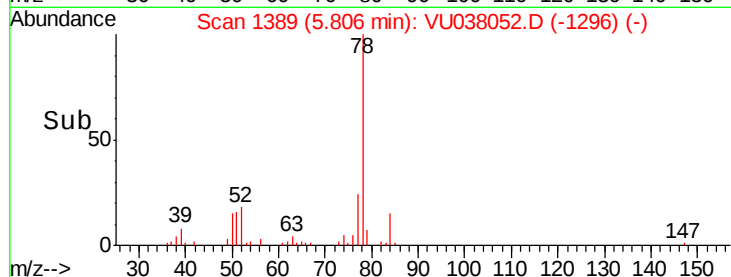
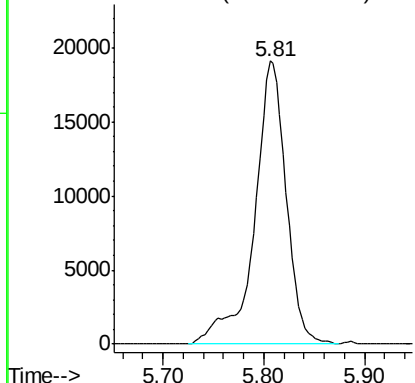
#33
Benzene
Concen: 0.363 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU038052.D
Acq: 07 May 2020 20:28

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 78 Resp: 41726



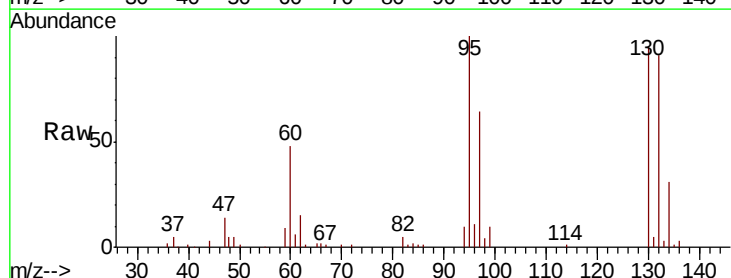
Abundance Ion 78.10 (77.80 to 78.80): VU0



#34
Trichloroethene
Concen: 1.912 ug/L
RT: 6.57 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VU038052.D
Acq: 07 May 2020 20:28

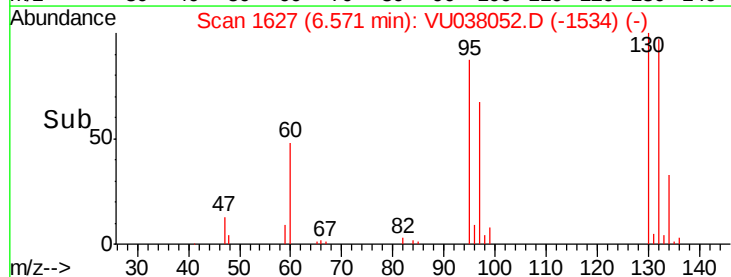
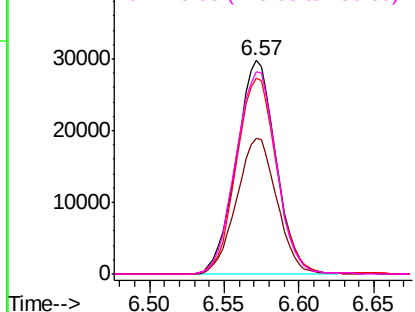
Tgt Ion: 95 Resp: 55033

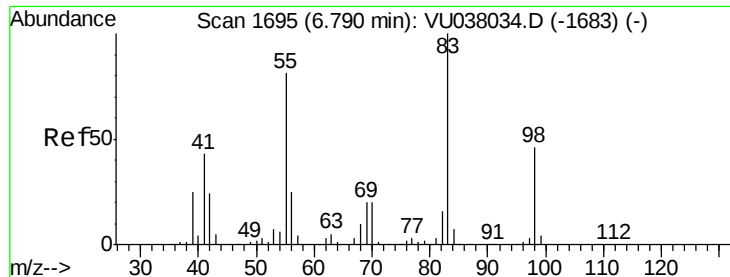
Ion	Ratio	Lower	Upper
95	100		
97	63.7	44.9	83.3
132	91.5	63.3	117.5
130	94.7	65.7	122.1



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

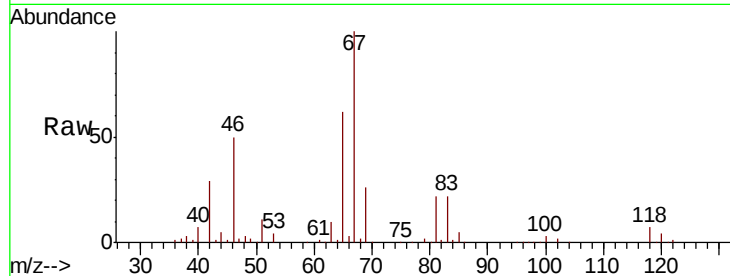




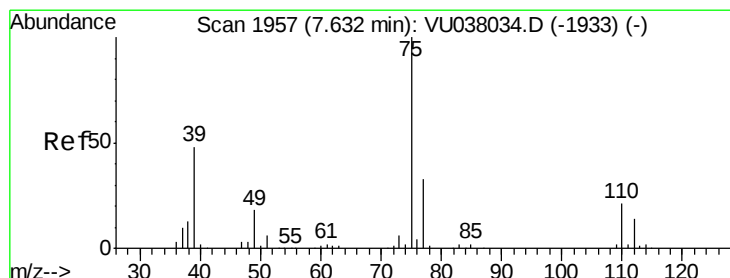
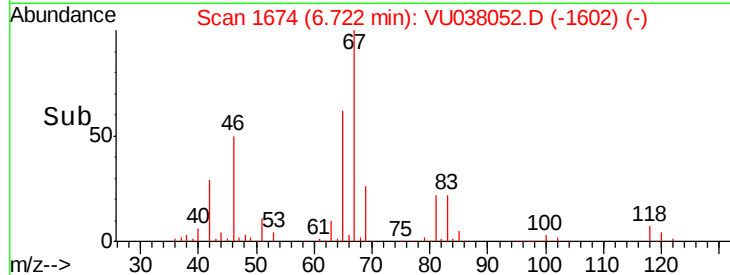
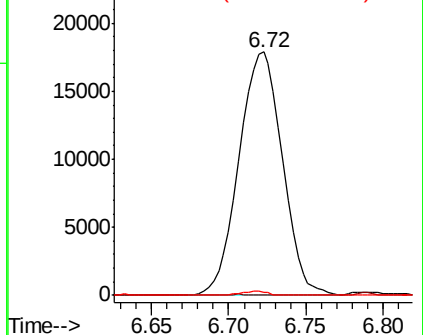
#35
Methvlcvclohexane
Concen: 0.748 ug/L
RT: 6.72 min Scan# 1674
Delta R.T. -0.07 min
Lab File: VU038052.D
Acq: 07 May 2020 20:28

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 83 Resp: 34894
Ion Ratio Lower Upper
83 100
55 0.1 66.7 100.1#
98 1.0 39.4 59.2#

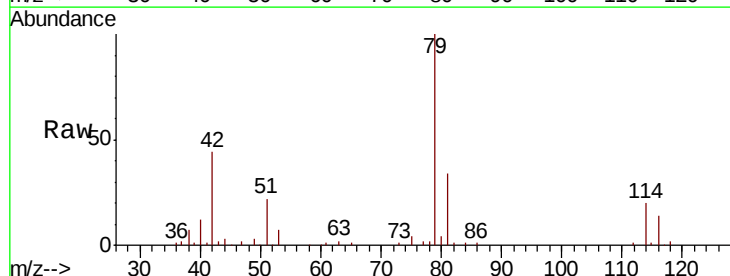


Abundance Ion 83.15 (82.85 to 83.85): VU0
Ion 55.10 (54.80 to 55.80): VU0
Ion 98.15 (97.85 to 98.85): VU0

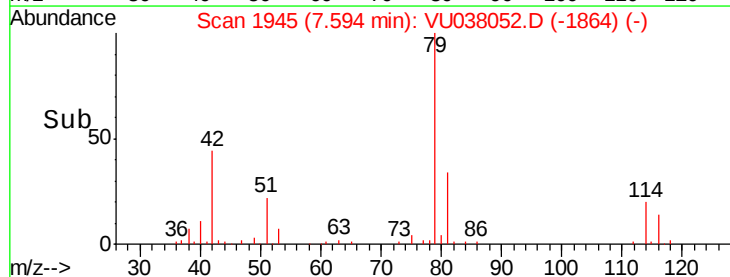
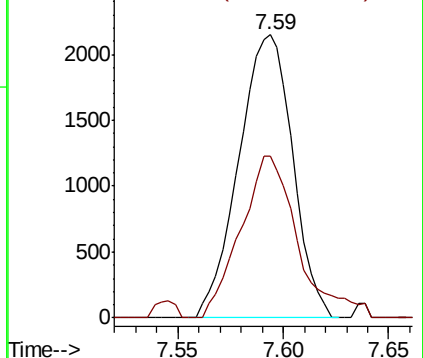


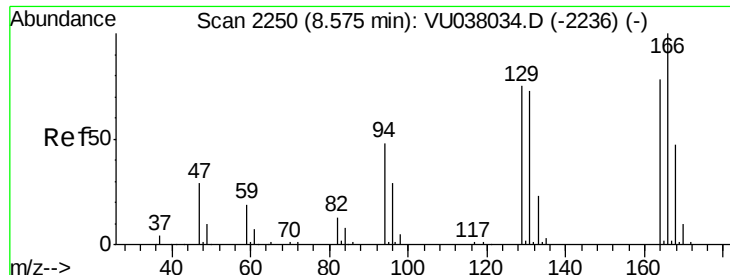
#39
cis-1,3-Dichloropropene
Concen: 0.085 ug/L
RT: 7.59 min Scan# 1945
Delta R.T. -0.04 min
Lab File: VU038052.D
Acq: 07 May 2020 20:28

Tgt Ion: 75 Resp: 3817
Ion Ratio Lower Upper
75 100
77 57.1 22.4 41.6#



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





#47

Tetrachloroethene

Concen: 1.786 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.00 min

Lab File: VU038052.D

Acq: 07 May 2020 20:28

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion:164 Resp: 35951

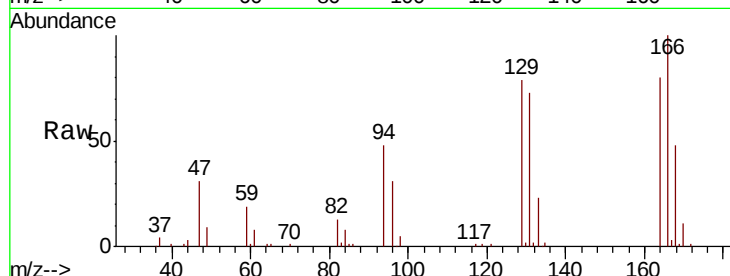
Ion Ratio Lower Upper

164 100

129 97.9 68.8 127.8

131 90.4 66.8 124.2

166 124.5 88.9 165.1



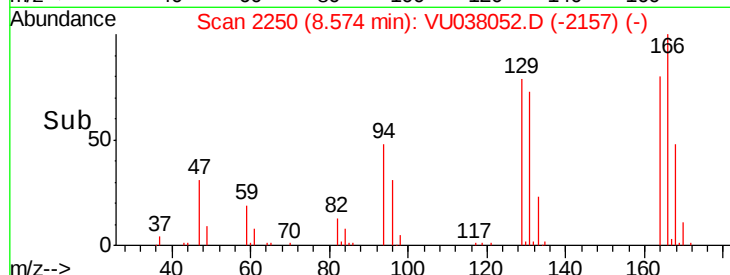
Abundance Ion 163.90 (163.60 to 164.60): V

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

Time-->



Abundance

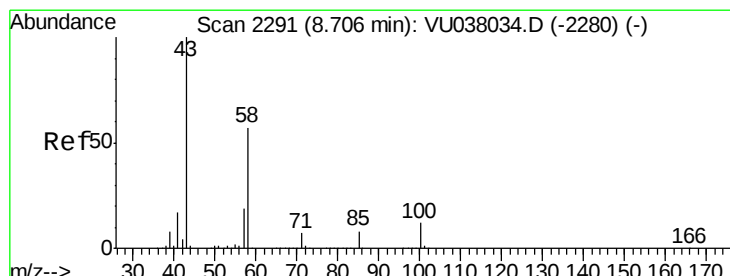
Ion 163.90 (163.60 to 164.60): V

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

Time-->



#48

2-Hexanone

Concen: 1.859 ug/L

RT: 8.71 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VU038052.D

Acq: 07 May 2020 20:28

Tgt Ion: 43 Resp: 29496

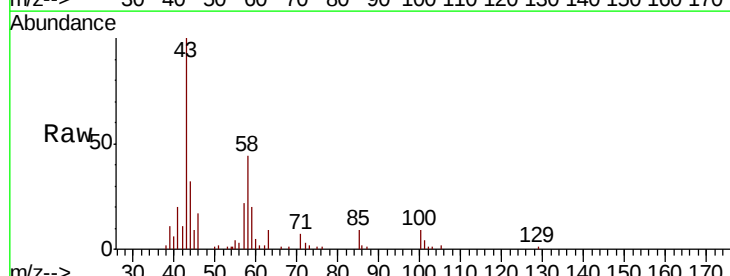
Ion Ratio Lower Upper

43 100

58 55.3 45.2 67.8

57 26.6 15.5 23.3#

100 10.2 9.5 14.3



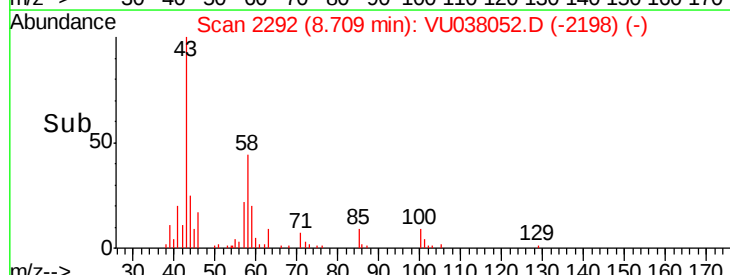
Abundance Ion 43.05 (42.75 to 43.75): VU0

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

Time-->



Abundance

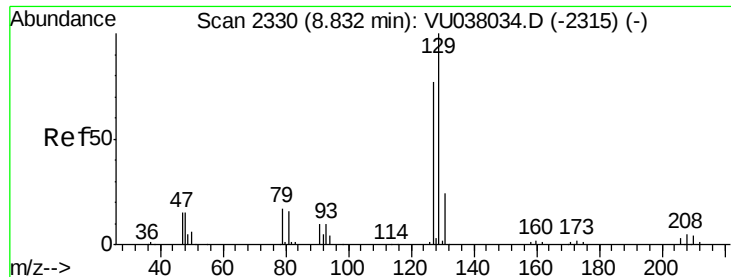
Ion 43.05 (42.75 to 43.75): VU0

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

Time-->



#49

Dibromochloromethane

Concen: 1.560 ug/L

RT: 8.57 min Scan# 2250

Delta R.T. -0.26 min

Lab File: VU038052.D

Acq: 07 May 2020 20:28

Instrument :

MSVOA_U

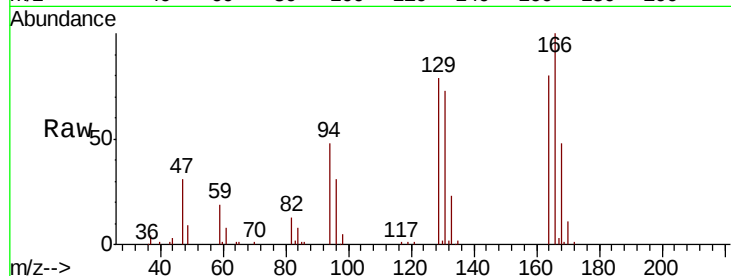
ClientSampled :

Tot Ion:129 Resp: 35141

Ion Ratio Lower Upper

129 100

127 0.0 55.6 103.4#

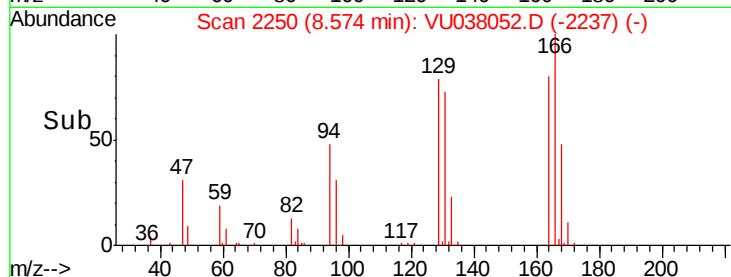


Abundance Ion 128.95 (128.65 to 129.65): V

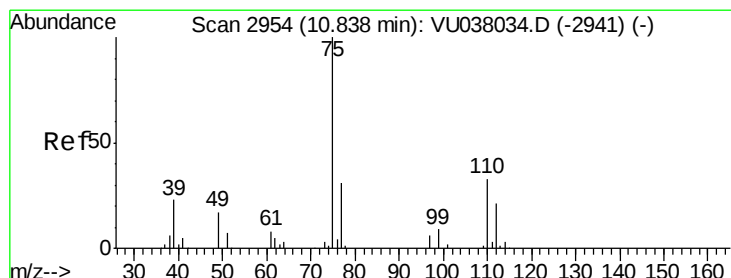
Ion 126.90 (126.60 to 127.60): V

8.57

Time-->



Time-->



#59

1,2,3-Trichloropropane

Concen: 1.096 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU038052.D

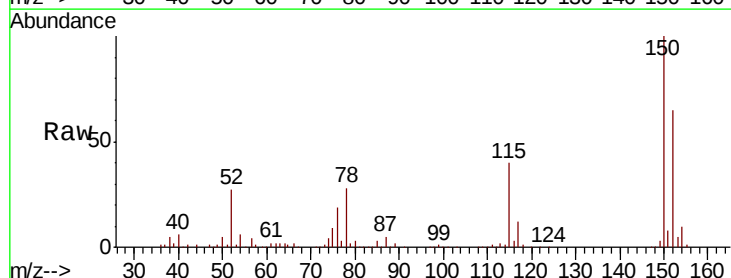
Acq: 07 May 2020 20:28

Tgt Ion: 75 Resp: 22990

Ion Ratio Lower Upper

75 100

77 35.7 25.4 38.0

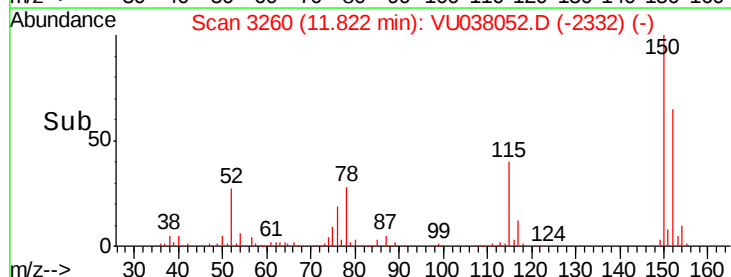


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.82

Time-->



Time-->