

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061320\
 Data File : VU038858.D
 Acq On : 12 Jun 2020 17:51
 Operator : SY/MD
 Sample : L2990-04MS
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YG1MS

Quant Time: Jun 13 02:14:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR061220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Jun 13 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.28	114	285140	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	281102	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	131248	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	95553	6.15	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	123.00%
7) Chloroethane-d5	1.93	69	75780	6.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	121.40%
11) 1,1-Dichloroethene-d2	2.59	63	204094	5.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	115.40%
20) 2-Butanone-d5	4.67	46	294157	60.31	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	120.62%
24) Chloroform-d	5.10	84	184496	5.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.20%
26) 1,2-Dichloroethane-d4	5.74	65	109517	5.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.60%
32) Benzene-d6	5.76	84	371155	5.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	113.00%
36) 1,2-Dichloropropane-d6	6.72	67	113628	5.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	115.60%
41) Toluene-d8	7.92	98	314696	5.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.40%
43) trans-1,3-Dichloropropene-	8.20	79	46063	5.28	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	105.60%
46) 2-Hexanone-d5	8.65	63	254856	65.73	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	131.46%#
57) 1,1,2,2-Tetrachloroethane-	10.77	84	93074	5.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.20%
64) 1,2-Dichlorobenzene-d4	12.20	152	125109	5.86	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	117.20%

Target Compounds

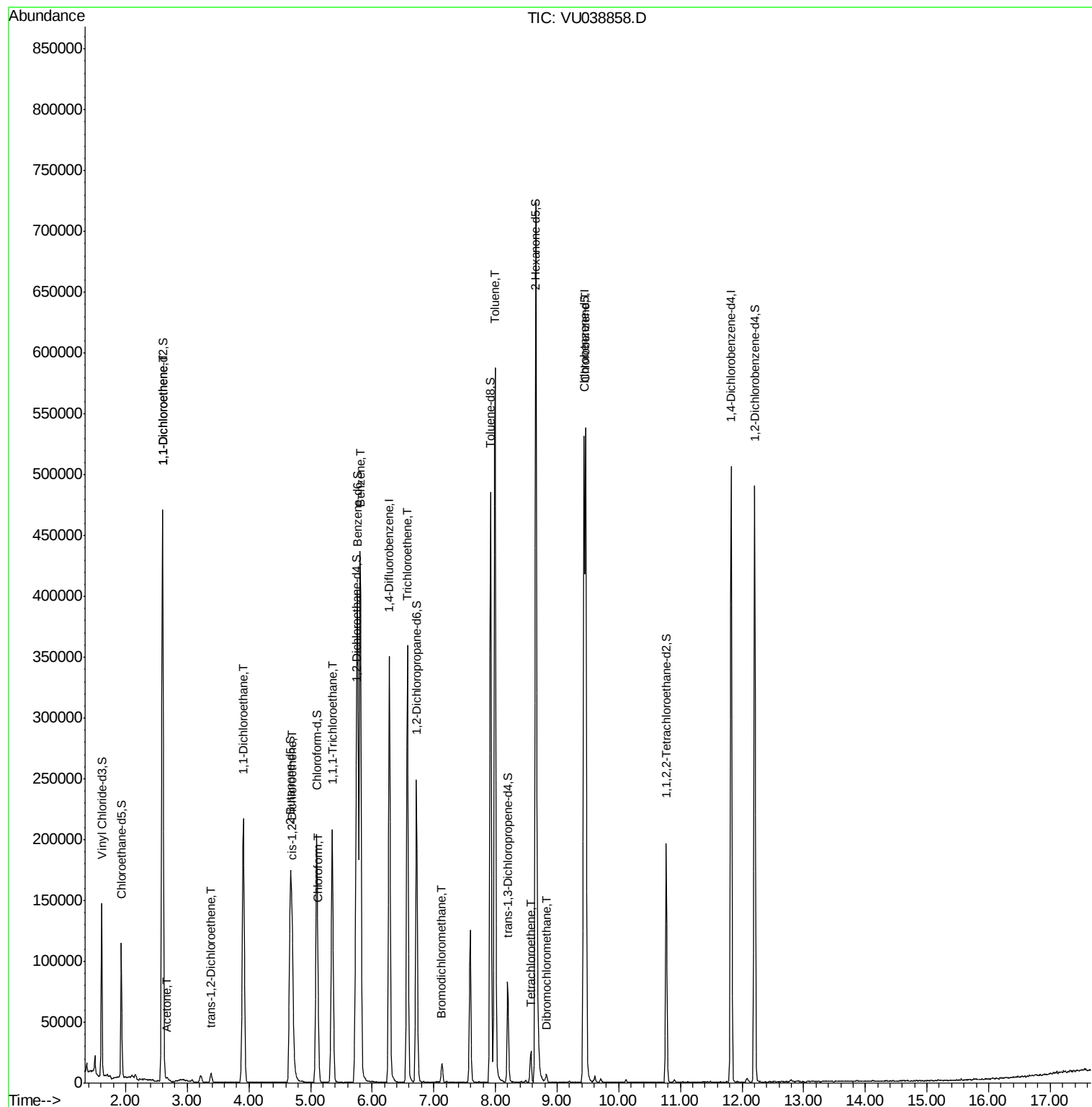
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	2.60	96	111477	5.582	ug/L	96
13) Acetone	2.67	43	4259	1.076	ug/L	84
18) trans-1,2-Dichloroethene	3.39	96	3394	0.158	ug/L	98
19) 1,1-Dichloroethane	3.91	63	247093	6.403	ug/L	99
22) cis-1,2-Dichloroethene	4.71	96	29579	1.324	ug/L	95
25) Chloroform	5.13	83	17902	0.450	ug/L	96
29) 1,1,1-Trichloroethane	5.35	97	152083	4.384	ug/L	99
33) Benzene	5.81	78	410581	4.834	ug/L	100
34) Trichloroethene	6.57	95	123157	5.552	ug/L	97
38) Bromodichloromethane	7.13	83	10685	0.385	ug/L	95
42) Toluene	7.99	91	422885	4.716	ug/L	100
47) Tetrachloroethene	8.58	164	6140	0.360	ug/L	82
49) Dibromochloromethane	8.83	129	3480	0.191	ug/L	76
51) Chlorobenzene	9.47	112	274977	4.762	ug/L	99

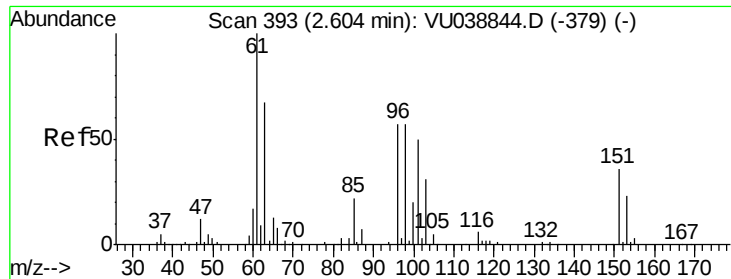
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jun 13 00:56:28 2020
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 5.582 ug/L

RT: 2.60 min Scan# 393

Delta R.T. -0.00 min

Lab File: VU038858.D

Acq: 12 Jun 2020 17:51

Instrument :

MSVOA_U

ClientSampleId :

E3YG1MS

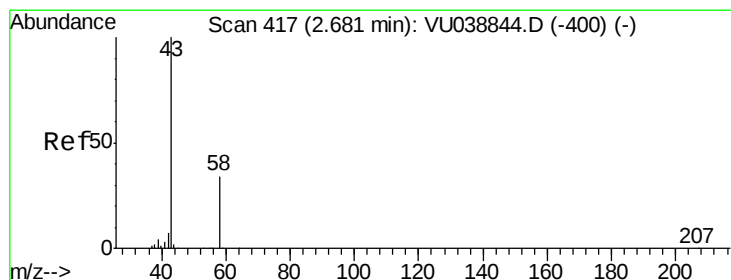
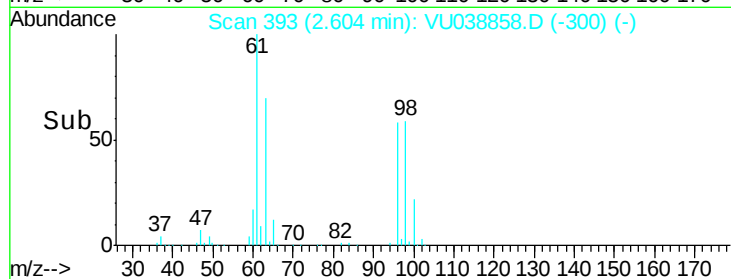
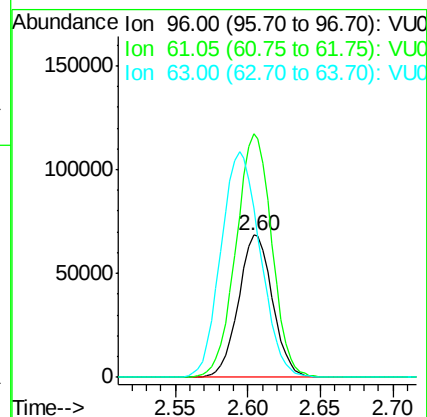
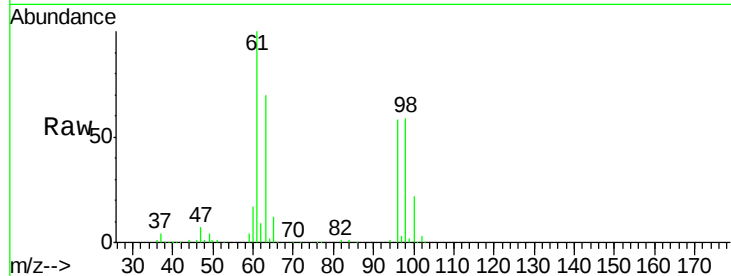
Tot Ion: 96 Resp: 111477

Ion Ratio Lower Upper

96 100

61 171.0 120.2 223.2

63 119.2 90.1 167.3



#13

Acetone

Concen: 1.076 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.01 min

Lab File: VU038858.D

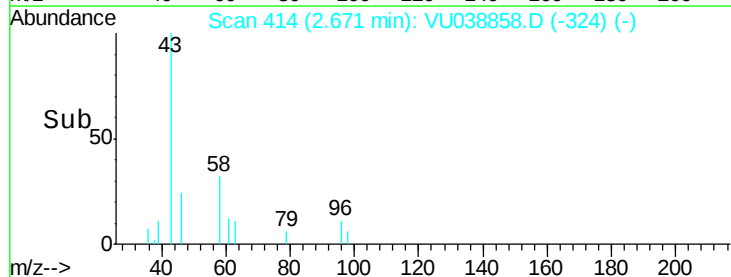
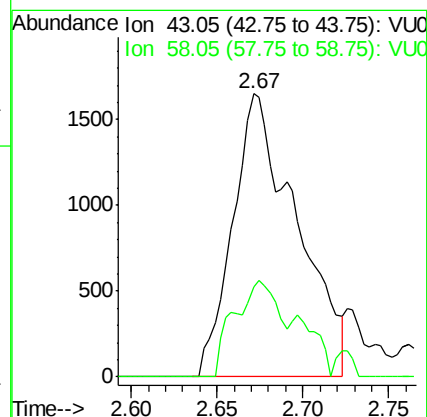
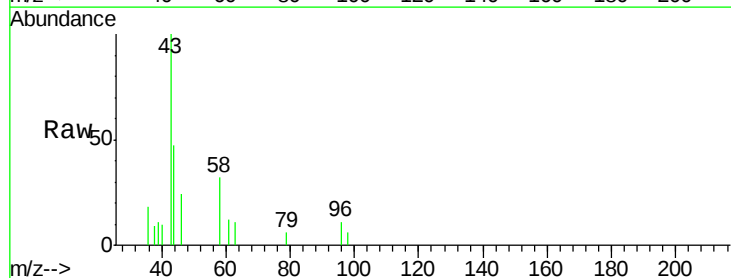
Acq: 12 Jun 2020 17:51

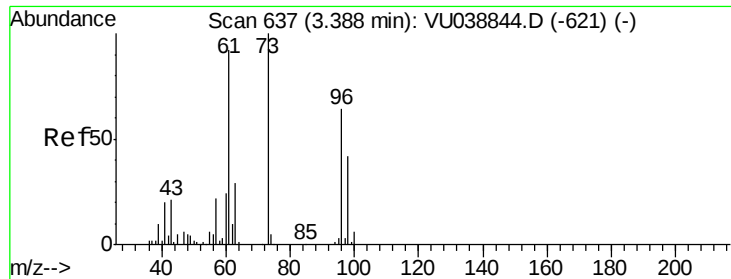
Tgt Ion: 43 Resp: 4259

Ion Ratio Lower Upper

43 100

58 23.9 0.0 66.0





#18

trans-1,2-Dichloroethene

Concen: 0.158 ug/L

RT: 3.39 min Scan# 636

Delta R.T. -0.00 min

Lab File: VU038858.D

Acq: 12 Jun 2020 17:51

Instrument :

MSVOA_U

ClientSampleId :

E3YG1MS

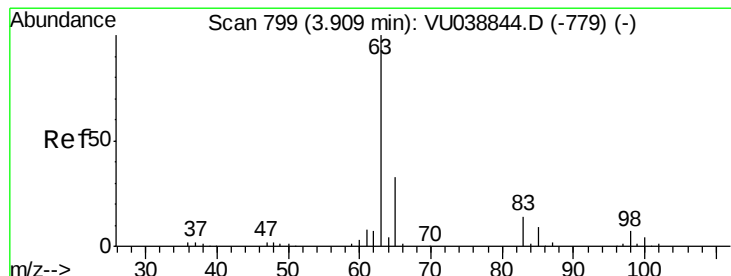
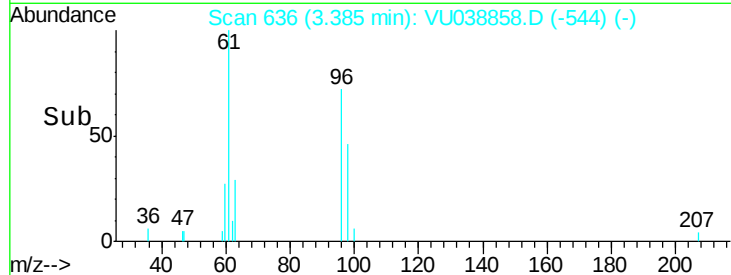
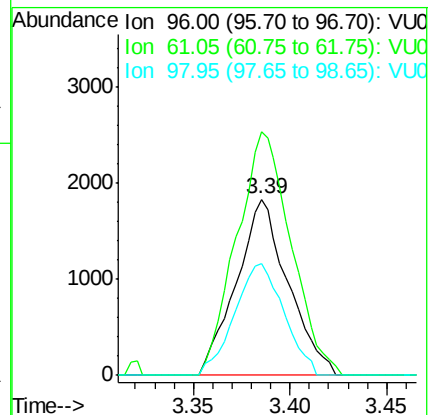
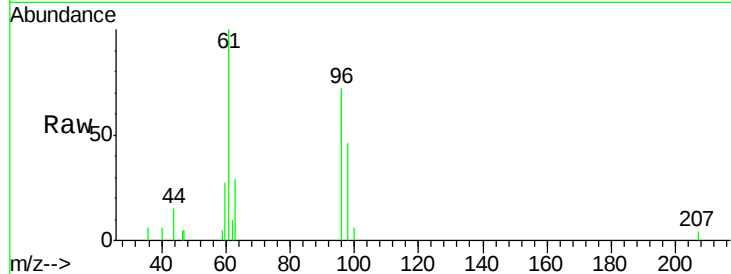
Tot Ion: 96 Resp: 3394

Ion Ratio Lower Upper

96 100

61 138.1 99.3 184.5

98 63.5 43.9 81.5



#19

1,1-Dichloroethane

Concen: 6.403 ug/L

RT: 3.91 min Scan# 799

Delta R.T. -0.00 min

Lab File: VU038858.D

Acq: 12 Jun 2020 17:51

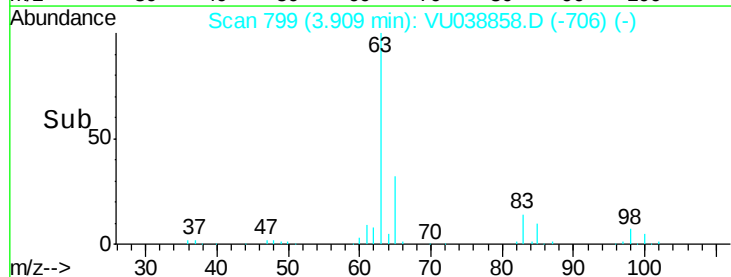
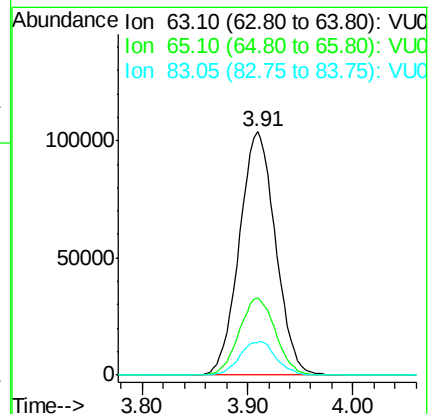
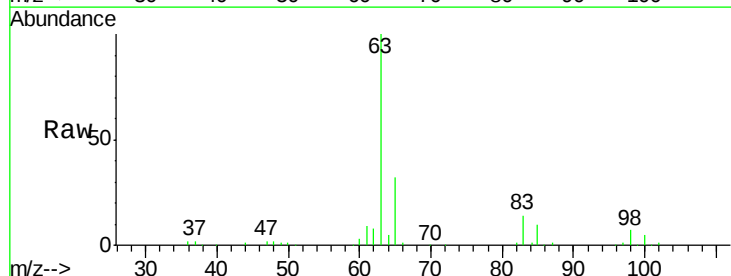
Tgt Ion: 63 Resp: 247093

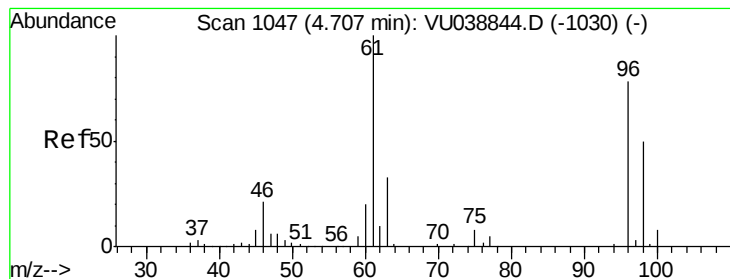
Ion Ratio Lower Upper

63 100

65 31.7 22.3 41.5

83 13.6 10.1 18.9





#22

cis-1,2-Dichloroethene

Concen: 1.324 ug/L

RT: 4.71 min Scan# 1047

Delta R.T. -0.00 min

Lab File: VU038858.D

Acq: 12 Jun 2020 17:51

Instrument :

MSVOA_U

ClientSampleId :

E3YG1MS

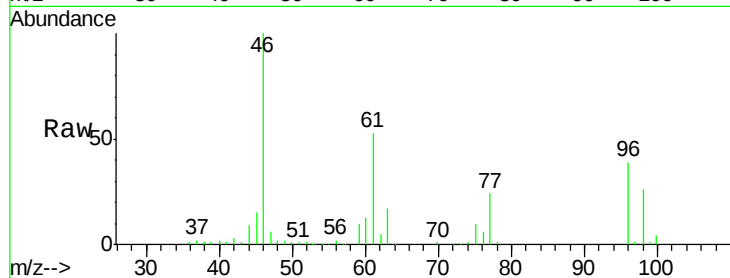
Tot Ion: 96 Resp: 29579

Ion Ratio Lower Upper

96 100

61 134.0 89.7 166.7

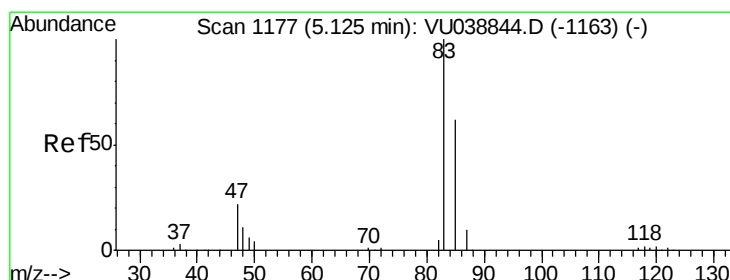
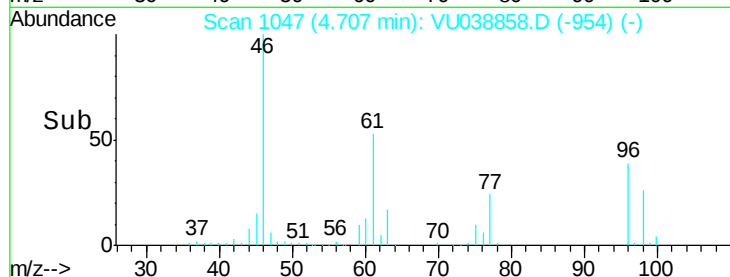
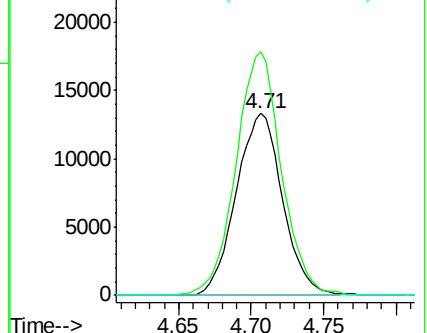
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU038858.D (-954) (-)

Ion 61.05 (60.75 to 61.75): VU038858.D (-954) (-)

Ion 68.15 (67.85 to 68.85): VU038858.D (-954) (-)



#25

Chloroform

Concen: 0.450 ug/L

RT: 5.13 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VU038858.D

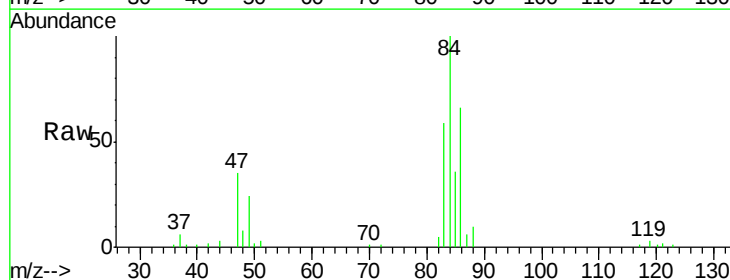
Acq: 12 Jun 2020 17:51

Tgt Ion: 83 Resp: 17902

Ion Ratio Lower Upper

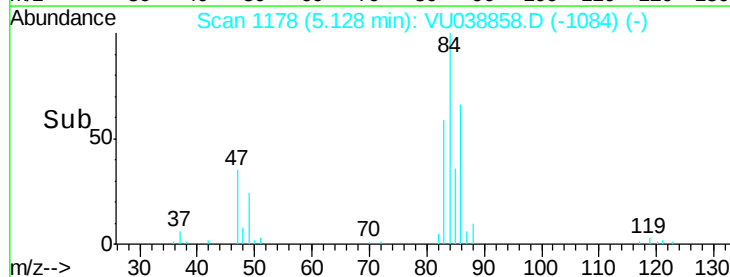
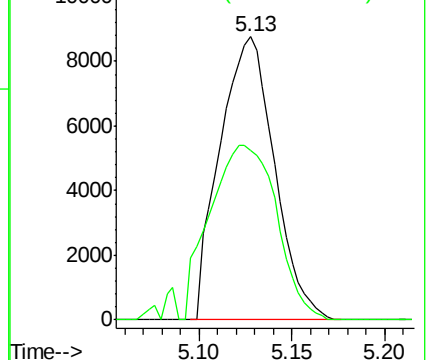
83 100

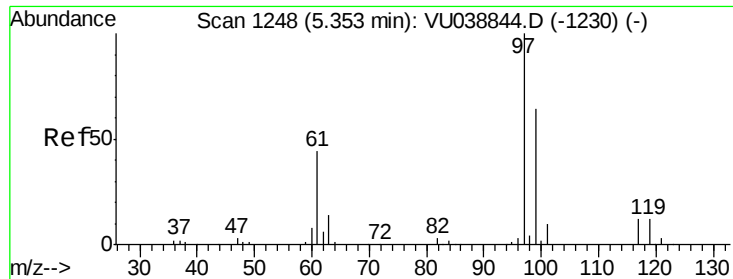
85 59.9 44.1 81.9



Abundance Ion 83.05 (82.75 to 83.75): VU038858.D (-1084) (-)

Ion 85.00 (84.70 to 85.70): VU038858.D (-1084) (-)

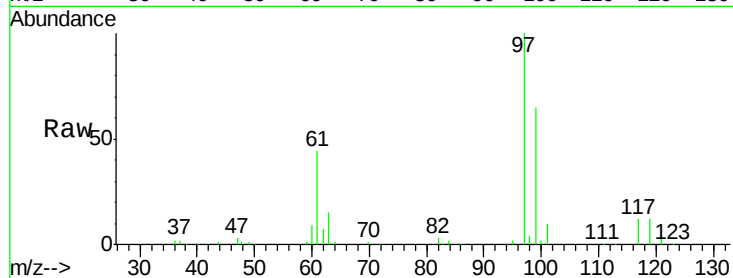




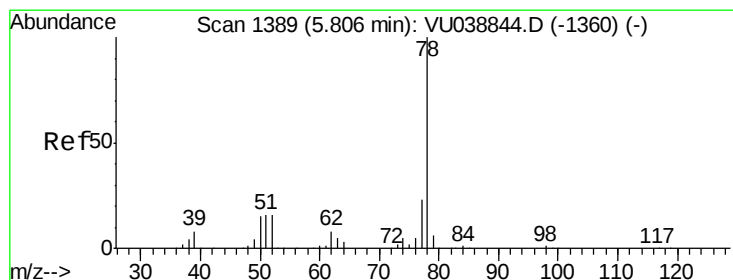
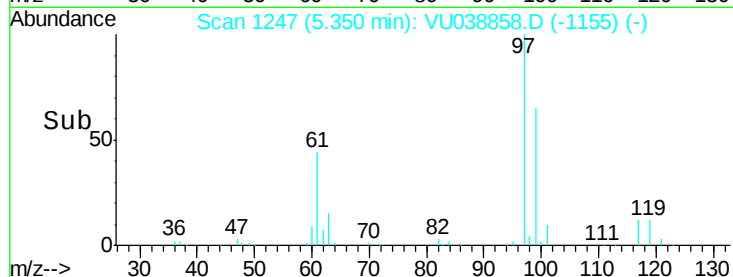
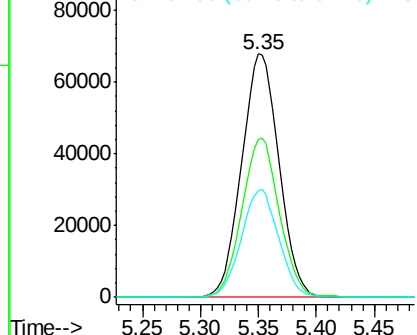
#29
 1,1,1-Trichloroethane
 Concen: 4.384 ug/L
 RT: 5.35 min Scan# 1247
 Delta R.T. -0.00 min
 Lab File: VU038858.D
 Acq: 12 Jun 2020 17:51

Instrument :
 MSVOA_U
 ClientSampleId :
 E3YG1MS

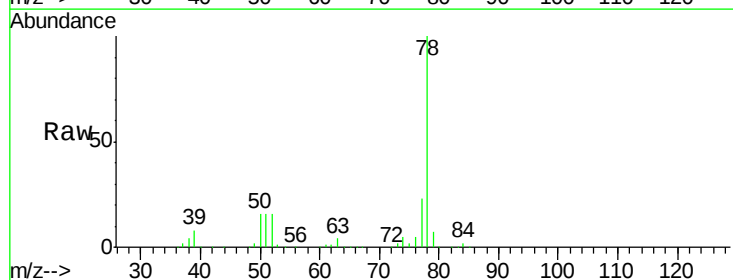
Tot Ion: 97 Resp: 152083
 Ion Ratio Lower Upper
 97 100
 99 65.4 52.1 78.1
 61 44.3 35.9 53.9



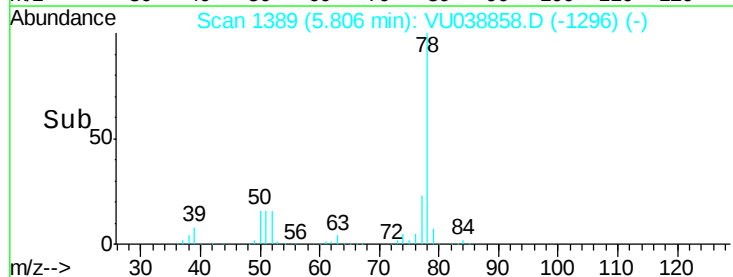
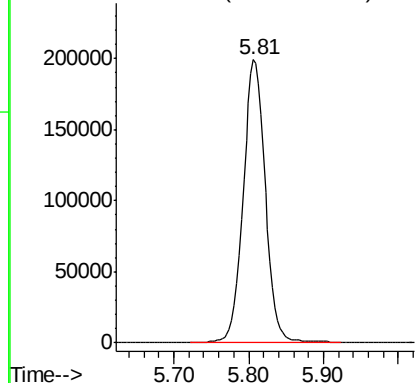
Abundance Ion 96.95 (96.65 to 97.65): VU0
 Ion 99.05 (98.75 to 99.75): VU0
 Ion 61.05 (60.75 to 61.75): VU0

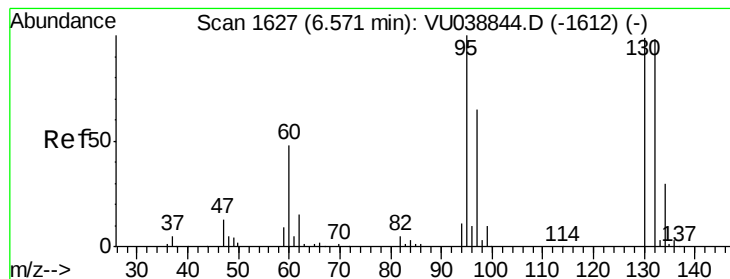


#33
 Benzene
 Concen: 4.834 ug/L
 RT: 5.81 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VU038858.D
 Acq: 12 Jun 2020 17:51
 Tgt Ion: 78 Resp: 410581



Abundance Ion 78.10 (77.80 to 78.80): VU0





#34

Trichloroethene

Concen: 5.552 ug/L

RT: 6.57 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VU038858.D

Acq: 12 Jun 2020 17:51

Instrument :

MSVOA_U

ClientSampleId :

E3YG1MS

Tot Ion: 95 Resp: 123157

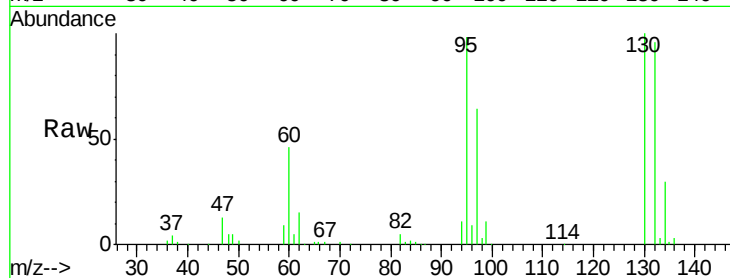
Ion Ratio Lower Upper

95 100

97 64.8 46.1 85.5

132 97.7 67.5 125.3

130 101.6 66.7 123.9

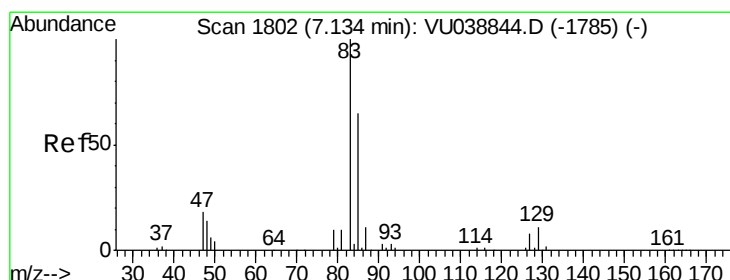
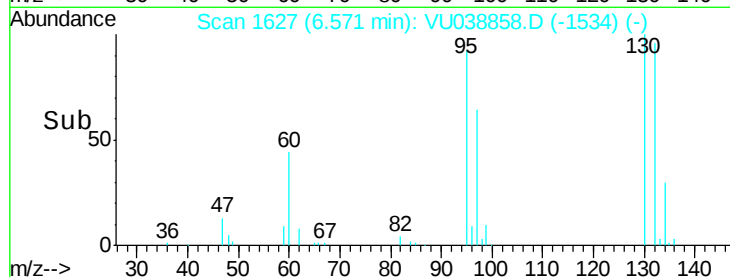
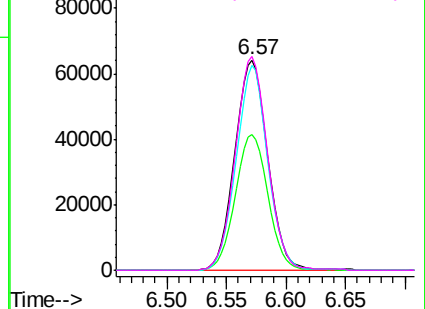


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#38

Bromodichloromethane

Concen: 0.385 ug/L

RT: 7.13 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VU038858.D

Acq: 12 Jun 2020 17:51

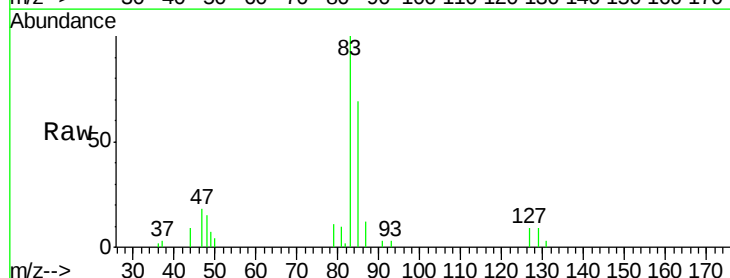
Tgt Ion: 83 Resp: 10685

Ion Ratio Lower Upper

83 100

85 69.1 45.3 84.1

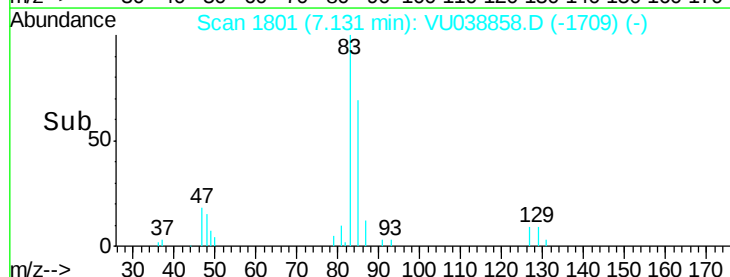
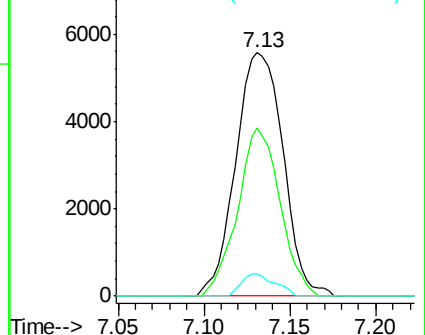
127 9.4 7.1 10.7

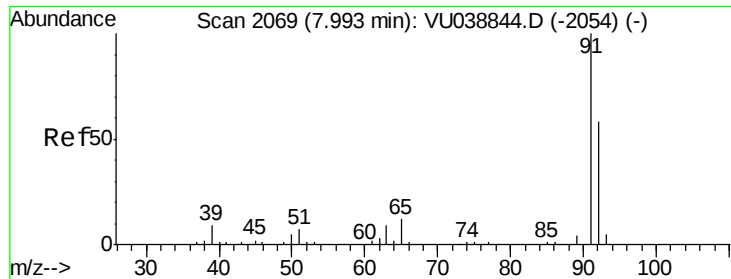


Abundance Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 126.90 (126.60 to 127.60): V





#42

Toluene

Concen: 4.716 ug/L

RT: 7.99 min Scan# 2069

Delta R.T. -0.00 min

Lab File: VU038858.D

Acq: 12 Jun 2020 17:51

Instrument :

MSVOA_U

ClientSampleId :

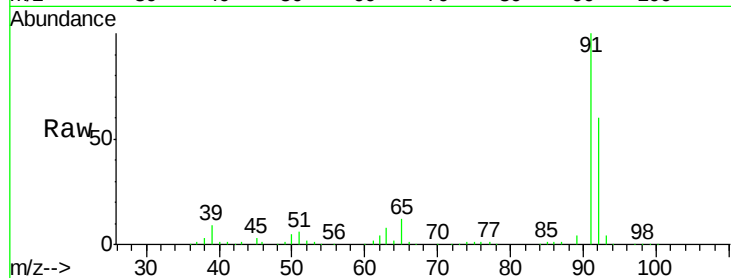
E3YG1MS

Tot Ion: 91 Resp: 422885

Ion Ratio Lower Upper

91 100

92 60.2 42.4 78.6



Abundance Ion 91.15 (90.85 to 91.85): VU038844.D (-2054) (-)

Ion 92.15 (91.85 to 92.85): VU038844.D (-2054) (-)

7.99

250000

200000

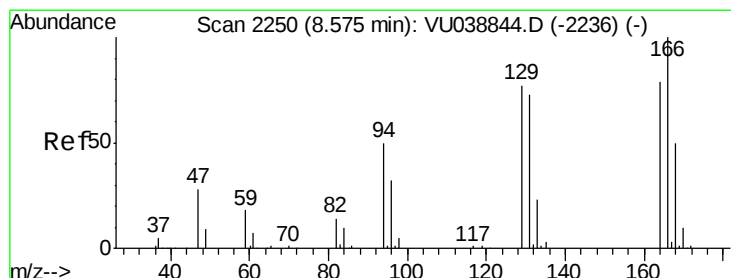
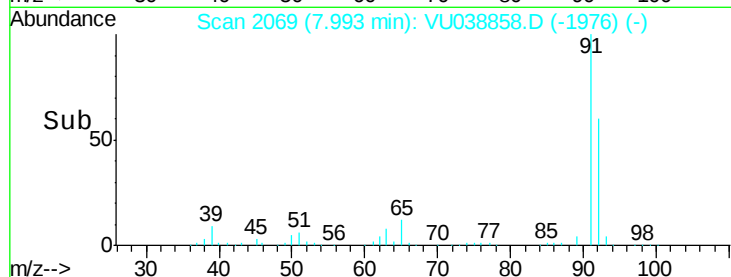
150000

100000

50000

0

Time-->



#47

Tetrachloroethene

Concen: 0.360 ug/L

RT: 8.58 min Scan# 2251

Delta R.T. 0.00 min

Lab File: VU038858.D

Acq: 12 Jun 2020 17:51

Tgt Ion: 164 Resp: 6140

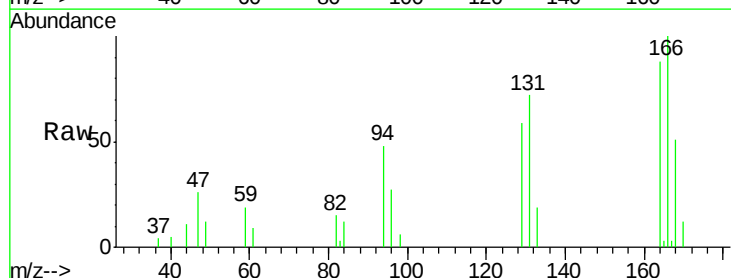
Ion Ratio Lower Upper

164 100

129 67.3 67.3 124.9

131 81.9 65.0 120.6

166 113.9 91.0 169.0



Abundance Ion 163.90 (163.60 to 164.60): VU038844.D (-2236) (-)

Ion 128.95 (128.65 to 129.65): VU038844.D (-2236) (-)

Ion 130.95 (130.65 to 131.65): VU038844.D (-2236) (-)

Ion 165.90 (165.60 to 166.60): VU038844.D (-2236) (-)

8.58

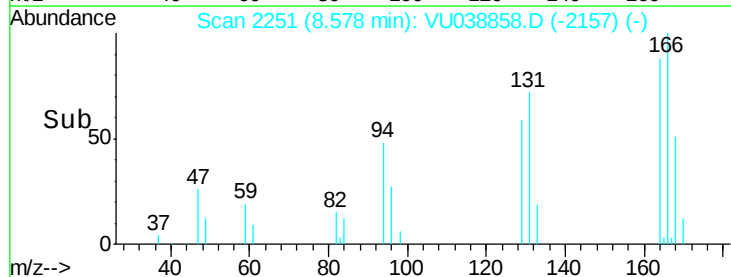
6000

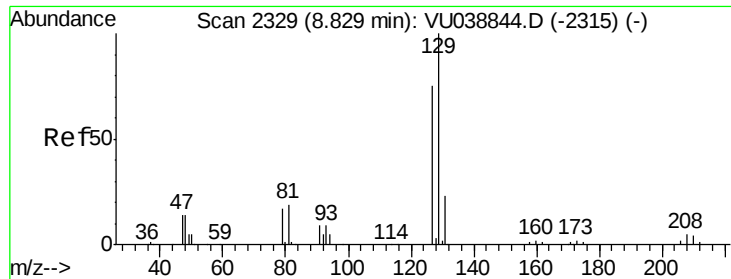
4000

2000

0

Time-->





#49

Dibromochloromethane

Concen: 0.191 ug/L

RT: 8.83 min Scan# 2329

Delta R.T. -0.00 min

Lab File: VU038858.D

Acq: 12 Jun 2020 17:51

Instrument :

MSVOA_U

ClientSampleId :

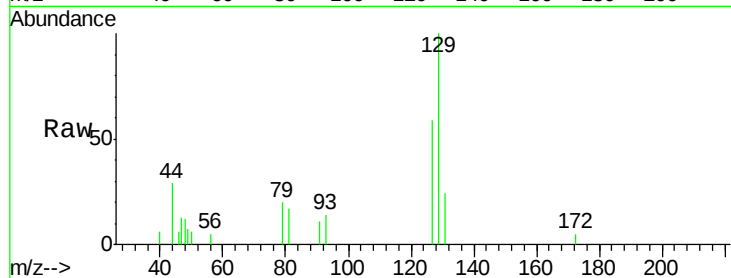
E3YG1MS

Tot Ion:129 Resp: 3480

Ion Ratio Lower Upper

129 100

127 58.5 55.5 103.1



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

8.83

2500

2000

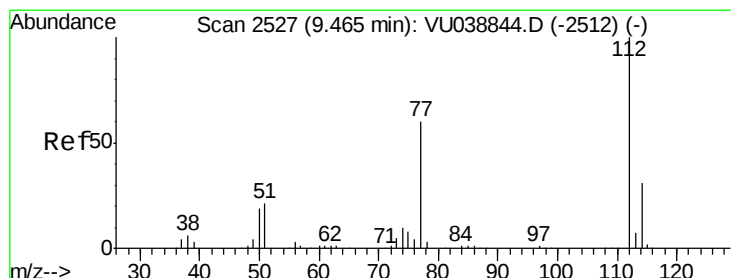
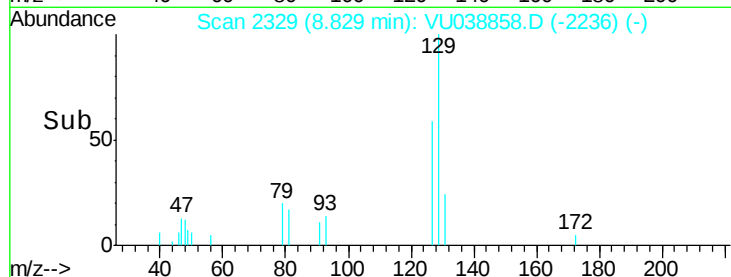
1500

1000

500

0

Time--> 8.80 8.85



#51

Chlorobenzene

Concen: 4.762 ug/L

RT: 9.47 min Scan# 2527

Delta R.T. -0.00 min

Lab File: VU038858.D

Acq: 12 Jun 2020 17:51

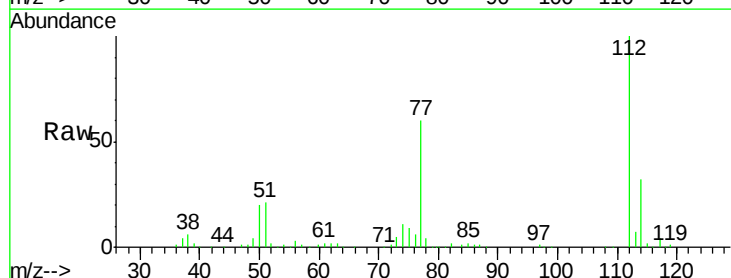
Tgt Ion:112 Resp: 274977

Ion Ratio Lower Upper

112 100

114 32.2 22.5 41.9

77 59.9 49.3 73.9



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU

9.47

200000

150000

100000

50000

0

Time--> 9.40 9.45 9.50 9.55

