

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU021820\
 Data File : VU036831.D
 Acq On : 18 Feb 2020 13:12
 Operator : JC/MD
 Sample : L1540-16
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 19 04:56:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Feb 19 04:53:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.29	114	107531	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.44	117	103518	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.83	152	44668	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.61	65	35458	3.83	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	76.60%
7) Chloroethane-d5	1.93	69	35964	4.48	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.60%
11) 1,1-Dichloroethene-d2	2.59	63	49978	3.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.60%
20) 2-Butanone-d5	4.67	46	104539	53.91	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.82%
24) Chloroform-d	5.11	84	67479	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.60%
26) 1,2-Dichloroethane-d4	5.74	65	40593	4.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.40%
32) Benzene-d6	5.76	84	148578	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.40%
36) 1,2-Dichloropropane-d6	6.73	67	49196	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.60%
41) Toluene-d8	7.93	98	131015	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
43) trans-1,3-Dichloropropene-	8.20	79	16258	4.19	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	83.80%
46) 2-Hexanone-d5	8.66	63	89207	50.31	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.62%
57) 1,1,2,2-Tetrachloroethane-	10.78	84	39182	4.97	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.40%
64) 1,2-Dichlorobenzene-d4	12.21	152	45494	5.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.00%

Target Compounds

					Ovalue
13) Acetone	2.66	43	2505	1.010 ug/L	98
21) 2-Butanone	4.76	43	4322	1.498 ug/L	96
25) Chloroform	5.13	83	3134	0.207 ug/L	84
35) Methylcyclohexane	6.73	83	10838	0.840 ug/L #	19
37) 1,2-Dichloropropane	6.73	63	5590	0.641 ug/L #	89
39) cis-1,3-Dichloropropene	7.60	75	1109	0.088 ug/L #	26
42) Toluene	8.00	91	2919	0.085 ug/L	100
45) 1,1,2-Trichloroethane	8.30	97	9158	1.510 ug/L #	16
48) 2-Hexanone	8.66	43	9755	2.026 ug/L #	68
53) m,p-Xylene	9.71	106	3222	0.229 ug/L	97
54) o-Xylene	10.12	106	3313	0.239 ug/L	83
56) Isopropylbenzene	10.50	105	133407	3.601 ug/L	99
59) 1,2,3-Trichloropropane	10.50	75	1778	0.309 ug/L #	1
66) 1,2-Dibromo-3-chloropropan	13.07	75	11248	10.159 ug/L #	11
69) Naphthalene	14.12	128	12978	0.877 ug/L	96

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Quant Time: Feb 19 04:56:03 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021220WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Feb 19 04:53:41 2020
Response via : Initial Calibration

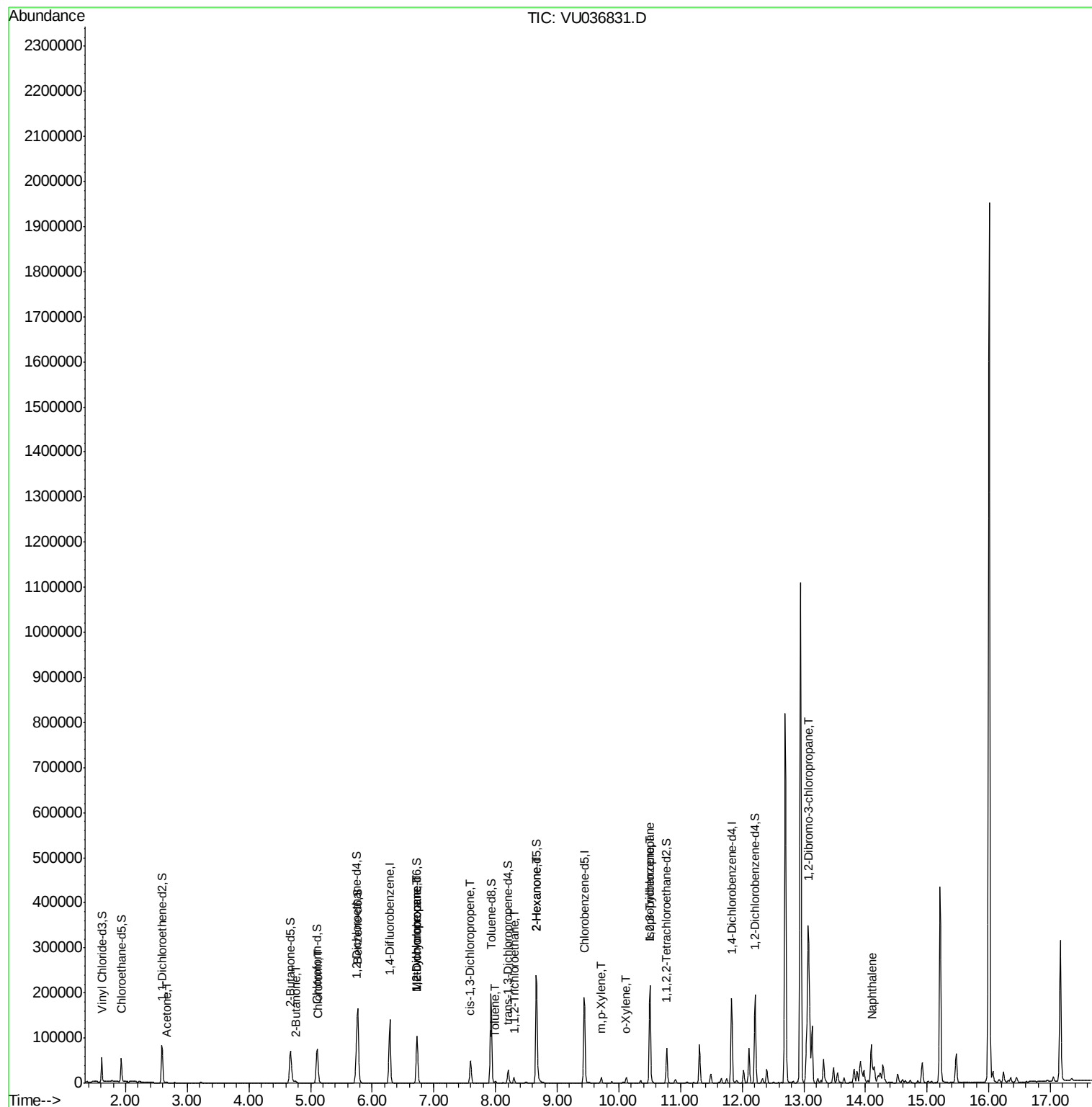
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

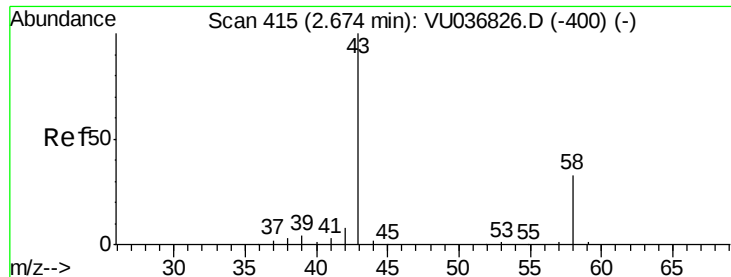
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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QLast Update : Wed Feb 19 04:53:41 2020
Response via : Initial Calibration





#13

Acetone

Concen: 1.010 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.01 min

Lab File: VU036831.D

Acq: 18 Feb 2020 13:12

Instrument :

MSVOA_U

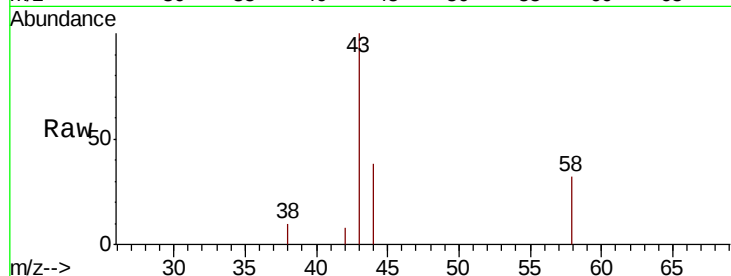
ClientSampled :

Tot Ion: 43 Resp: 2505

Ion Ratio Lower Upper

43 100

58 33.0 0.0 64.2



Abundance Ion 43.05 (42.75 to 43.75): VU036826.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU036826.D (-400) (-)

2.66

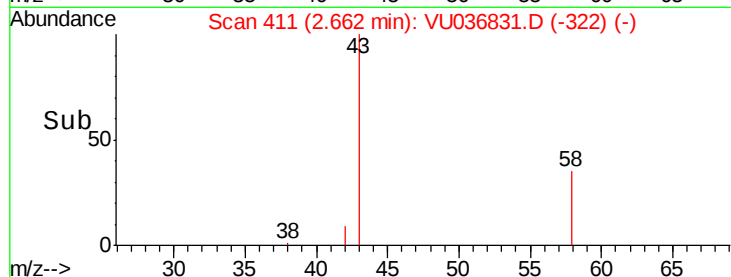
1500

1000

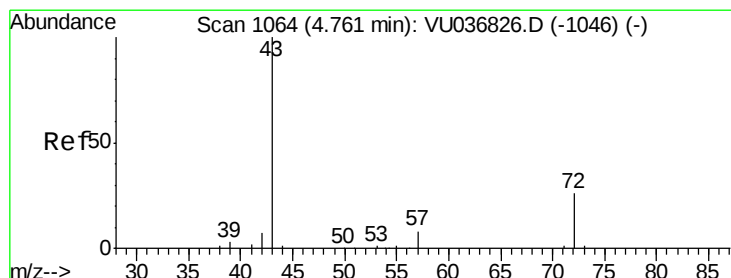
500

0

Time-->



Time-->



#21

2-Butanone

Concen: 1.498 ug/L

RT: 4.76 min Scan# 1063

Delta R.T. -0.00 min

Lab File: VU036831.D

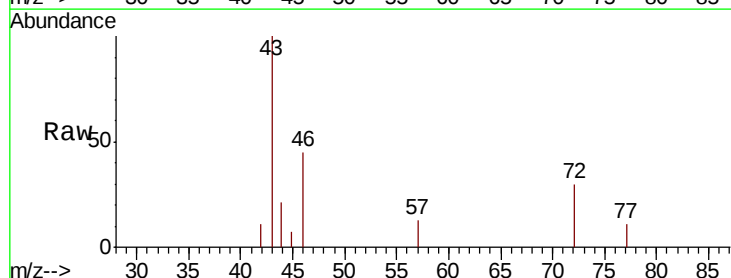
Acq: 18 Feb 2020 13:12

Tgt Ion: 43 Resp: 4322

Ion Ratio Lower Upper

43 100

72 25.5 14.0 41.9



Abundance Ion 43.05 (42.75 to 43.75): VU036826.D (-1046) (-)

Ion 72.10 (71.80 to 72.80): VU036826.D (-1046) (-)

4.76

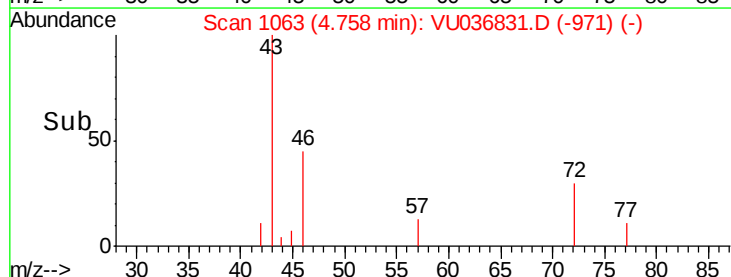
1500

1000

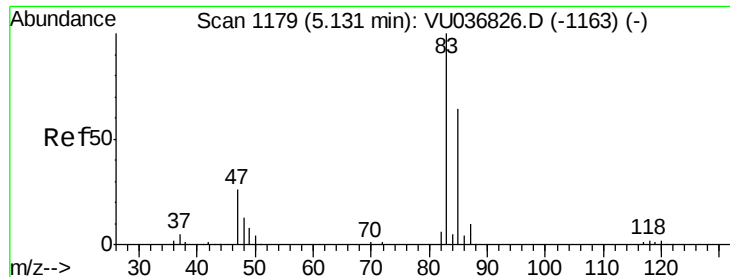
500

0

Time-->



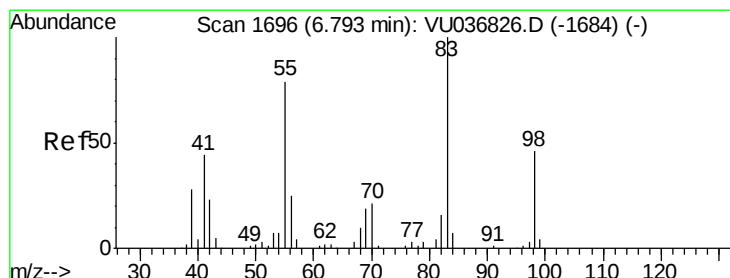
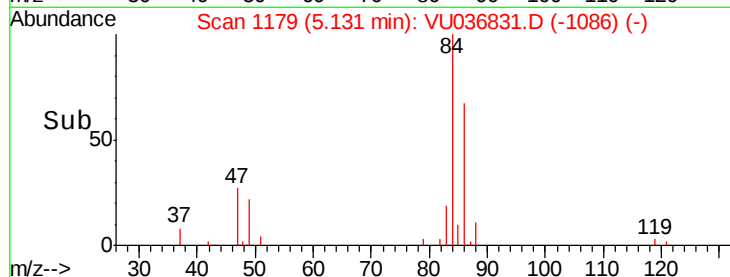
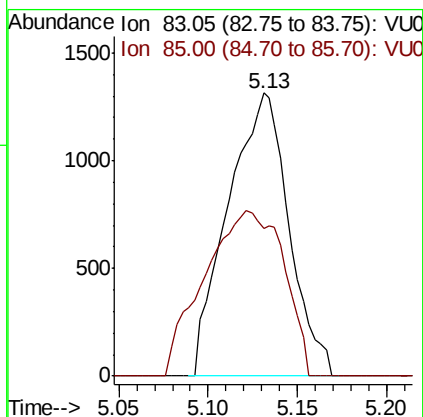
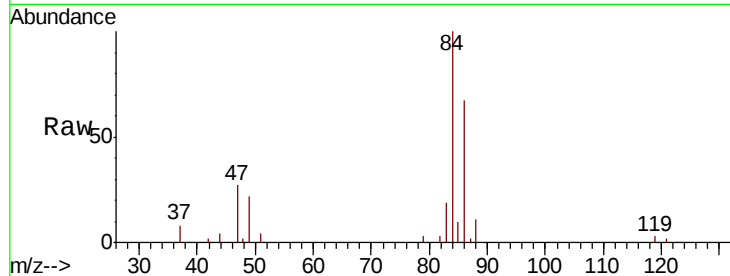
Time-->



#25
Chloroform
Concen: 0.207 ug/L
RT: 5.13 min Scan# 1179
Delta R.T. -0.00 min
Lab File: VU036831.D
Acq: 18 Feb 2020 13:12

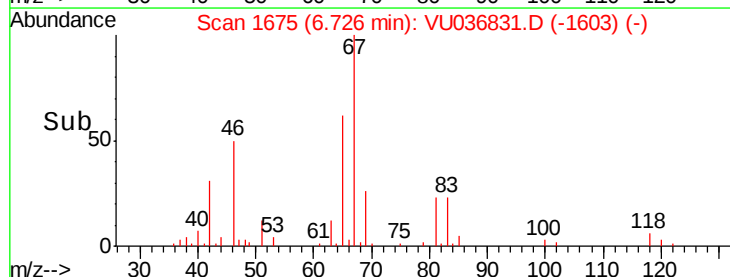
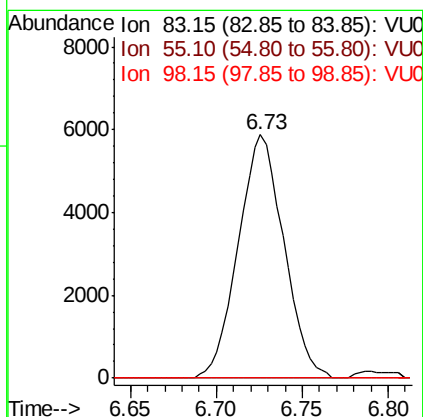
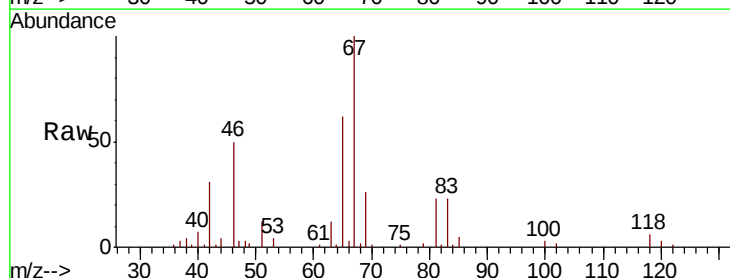
Instrument :
MSVOA_U
ClientSampled :

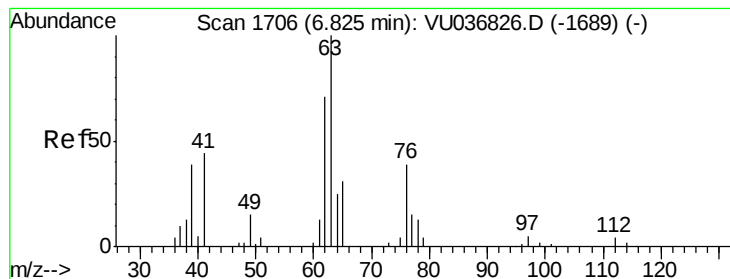
Tot Ion: 83 Resp: 3134
Ion Ratio Lower Upper
83 100
85 52.1 45.4 84.2



#35
Methylcyclohexane
Concen: 0.840 ug/L
RT: 6.73 min Scan# 1675
Delta R.T. -0.07 min
Lab File: VU036831.D
Acq: 18 Feb 2020 13:12

Tgt Ion: 83 Resp: 10838
Ion Ratio Lower Upper
83 100
55 0.0 61.0 91.4#
98 0.0 34.2 51.4#





#37

1,2-Dichloropropane

Concen: 0.641 ug/L

RT: 6.73 min Scan# 1675

Delta R.T. -0.10 min

Lab File: VU036831.D

Acq: 18 Feb 2020 13:12

Instrument :

MSVOA_U

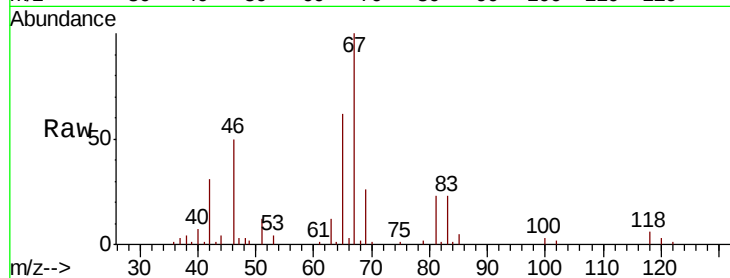
ClientSampleId :

Tot Ion: 63 Resp: 5590

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.4#



Abundance Ion 63.10 (62.80 to 63.80): VU036831.D (-1675) (-)

Ion 112.10 (111.80 to 112.80): VU036831.D (-1675) (-)

6.73

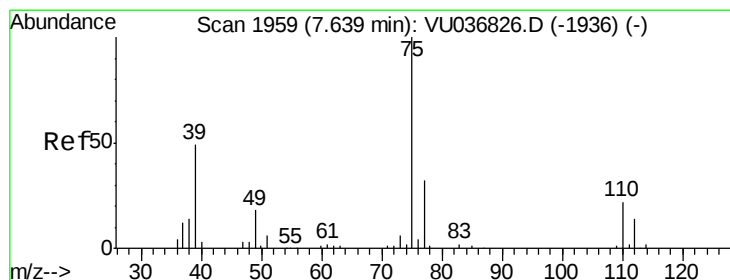
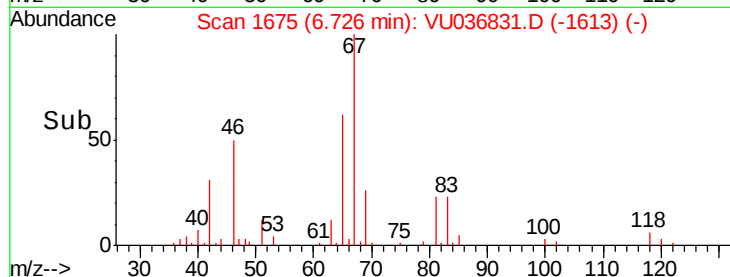
3000

2000

1000

0

Time--> 6.65 6.70 6.75



#39

cis-1,3-Dichloropropene

Concen: 0.088 ug/L

RT: 7.60 min Scan# 1946

Delta R.T. -0.04 min

Lab File: VU036831.D

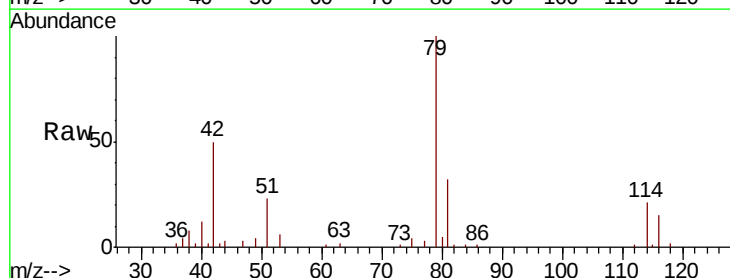
Acq: 18 Feb 2020 13:12

Tgt Ion: 75 Resp: 1109

Ion Ratio Lower Upper

75 100

77 73.4 22.5 41.9#



Abundance Ion 75.05 (74.75 to 75.75): VU036831.D (-1866) (-)

Ion 77.05 (76.75 to 77.75): VU036831.D (-1866) (-)

7.60

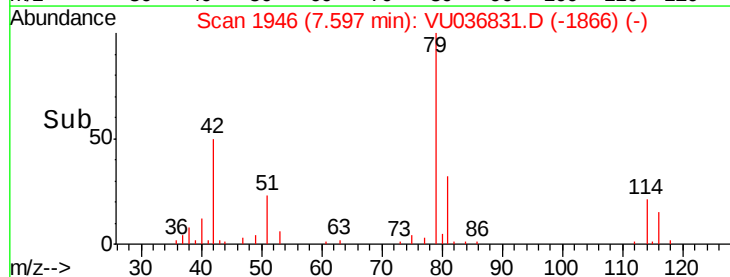
600

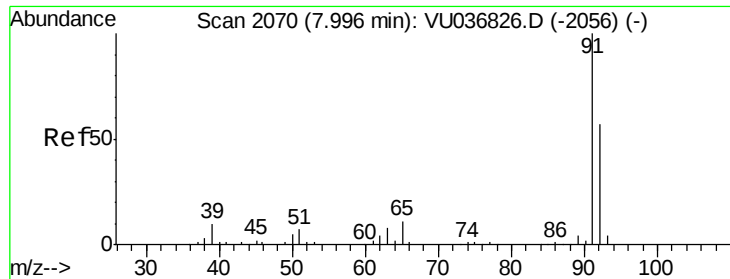
400

200

0

Time--> 7.55 7.60





#42

Toluene

Concen: 0.085 ug/L

RT: 8.00 min Scan# 2070

Delta R.T. -0.00 min

Lab File: VU036831.D

Acq: 18 Feb 2020 13:12

Instrument :

MSVOA_U

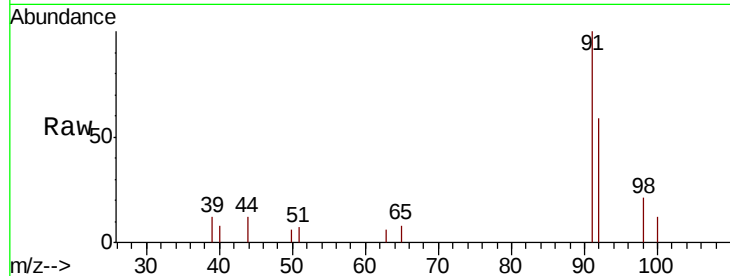
ClientSampleId :

Tot Ion: 91 Resp: 2919

Ion Ratio Lower Upper

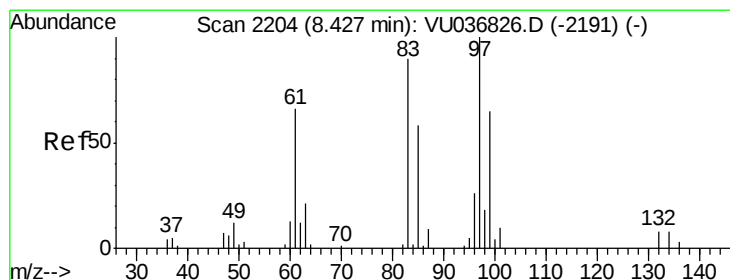
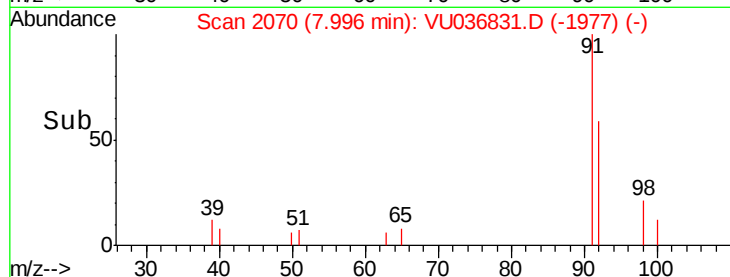
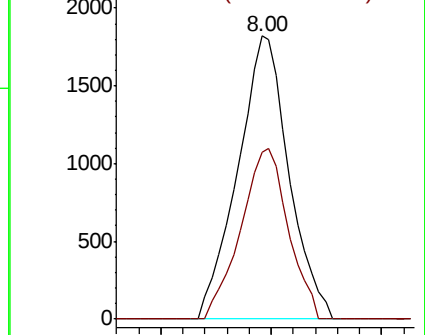
91 100

92 58.8 41.2 76.4



Abundance Ion 91.15 (90.85 to 91.85): VU036831.D (-1977) (-)

Ion 92.15 (91.85 to 92.85): VU036831.D (-1977) (-)



#45

1,1,2-Trichloroethane

Concen: 1.510 ug/L

RT: 8.30 min Scan# 2164

Delta R.T. -0.13 min

Lab File: VU036831.D

Acq: 18 Feb 2020 13:12

Tgt Ion: 97 Resp: 9158

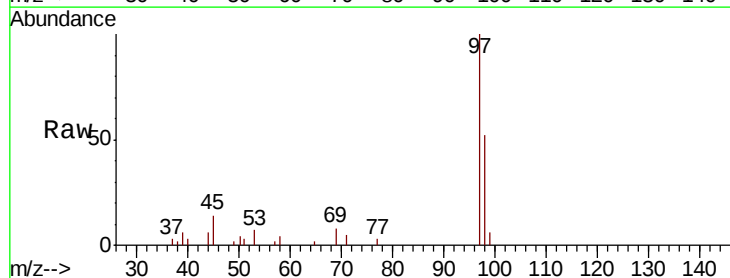
Ion Ratio Lower Upper

97 100

99 6.3 44.1 81.9#

83 0.0 63.5 117.9#

85 0.0 41.2 76.4#

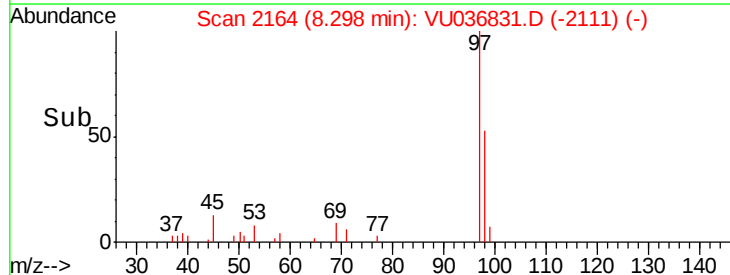
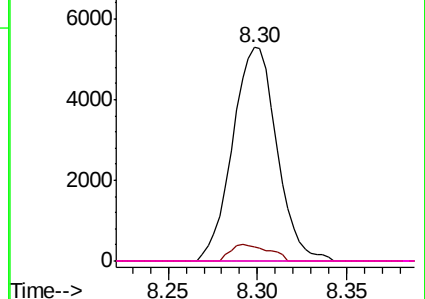


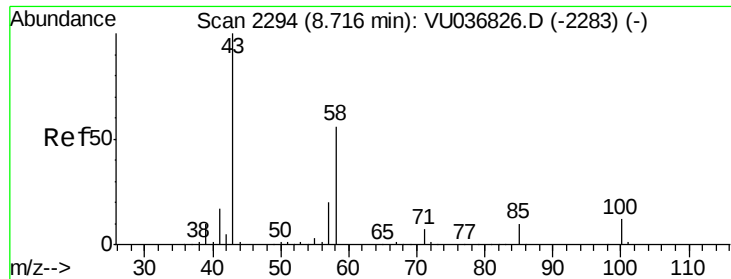
Abundance Ion 96.95 (96.65 to 97.65): VU036831.D (-2111) (-)

Ion 99.05 (98.75 to 99.75): VU036831.D (-2111) (-)

Ion 82.95 (82.65 to 83.65): VU036831.D (-2111) (-)

Ion 85.00 (84.70 to 85.70): VU036831.D (-2111) (-)

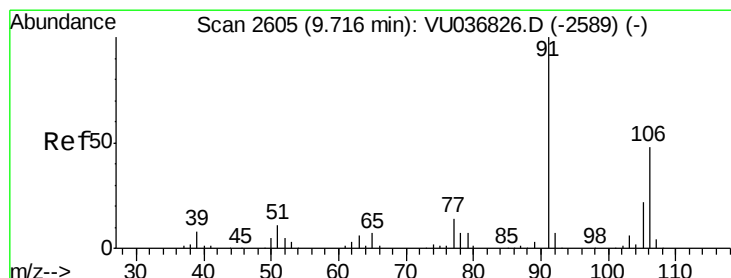
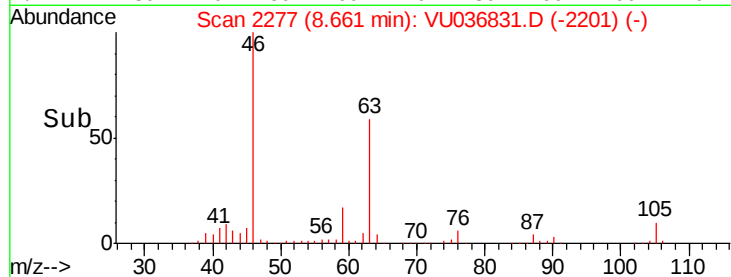
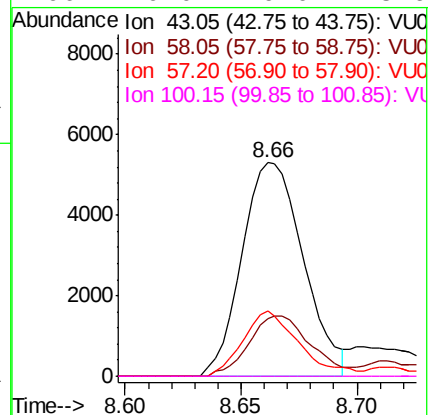
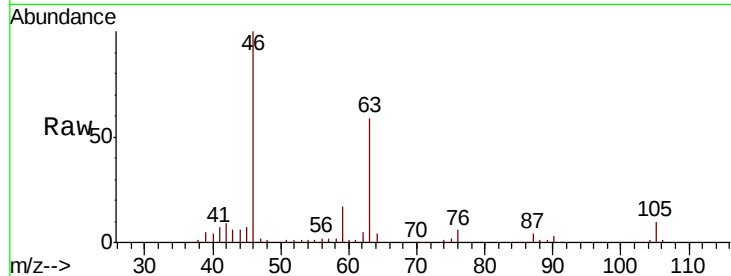




#48
2-Hexanone
Concen: 2.026 ug/L
RT: 8.66 min Scan# 2277
Delta R.T. -0.05 min
Lab File: VU036831.D
Acq: 18 Feb 2020 13:12

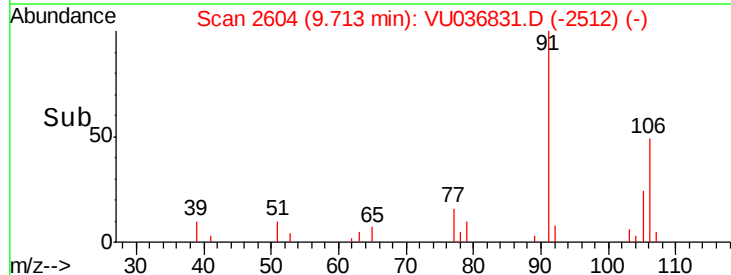
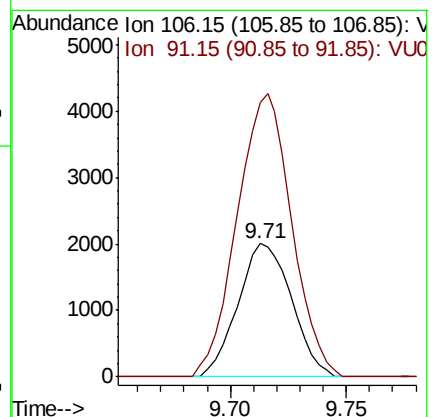
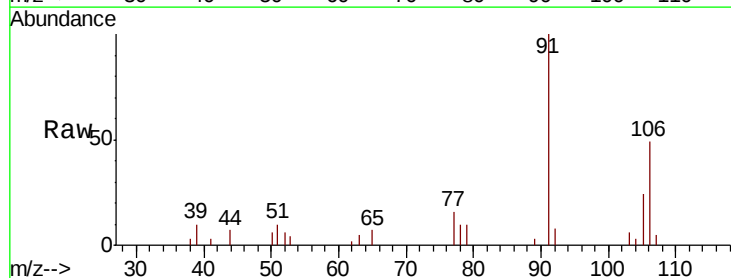
Instrument :
MSVOA_U
ClientSampleId :

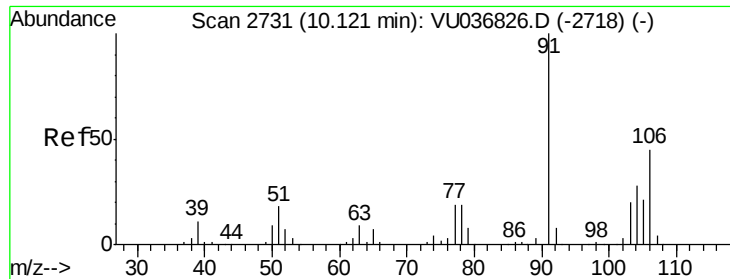
Tot Ion: 43 Resp: 9755
Ion Ratio Lower Upper
43 100
58 28.4 43.6 65.4#
57 27.9 15.0 22.4#
100 0.0 9.0 13.6#



#53
m,p-Xylene
Concen: 0.229 ug/L
RT: 9.71 min Scan# 2604
Delta R.T. -0.00 min
Lab File: VU036831.D
Acq: 18 Feb 2020 13:12

Tgt Ion: 106 Resp: 3222
Ion Ratio Lower Upper
106 100
91 205.9 141.1 262.0

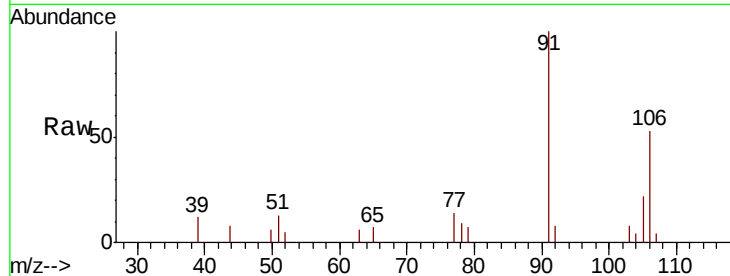




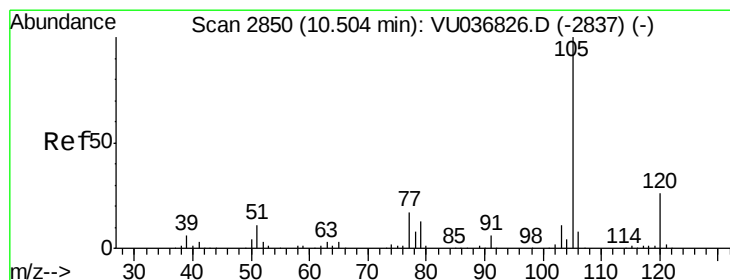
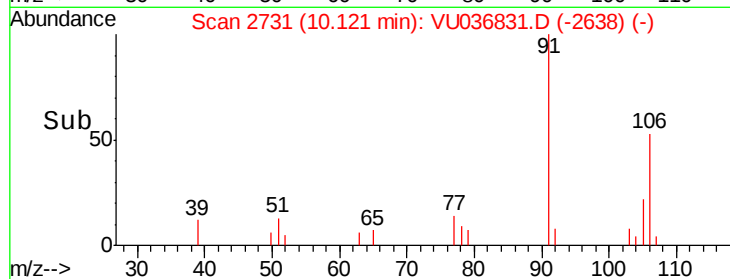
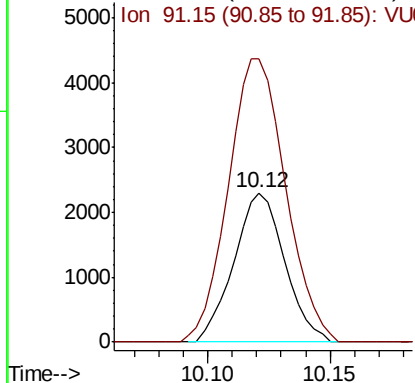
#54
o-Xylene
Concen: 0.239 ug/L
RT: 10.12 min Scan# 2731
Delta R.T. -0.00 min
Lab File: VU036831.D
Acq: 18 Feb 2020 13:12

Instrument :
MSVOA_U
ClientSampled :

Tot Ion:106 Resp: 3313
Ion Ratio Lower Upper
106 100
91 189.2 151.1 280.5

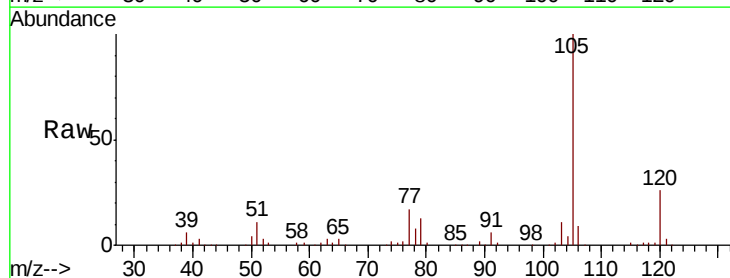


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

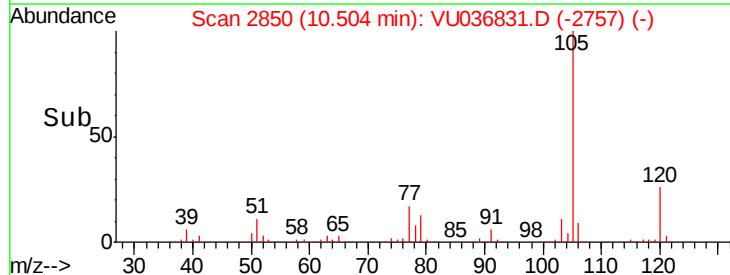
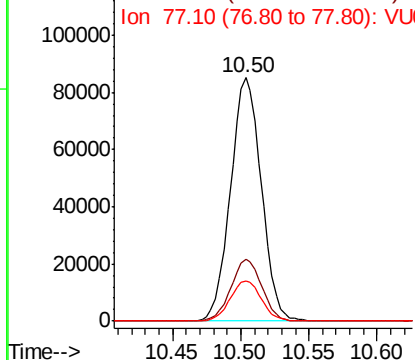


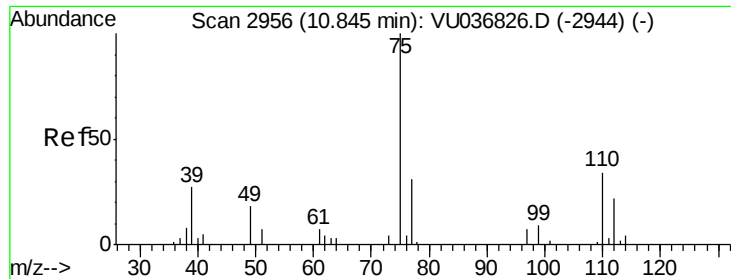
#56
Isopropylbenzene
Concen: 3.601 ug/L
RT: 10.50 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VU036831.D
Acq: 18 Feb 2020 13:12

Tgt Ion:105 Resp: 133407
Ion Ratio Lower Upper
105 100
120 25.4 20.5 30.7
77 17.0 13.0 19.6



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): VU0





#59

1,2,3-Trichloropropane

Concen: 0.309 ug/L

RT: 10.50 min Scan# 2850

Delta R.T. -0.34 min

Lab File: VU036831.D

Acq: 18 Feb 2020 13:12

Instrument :

MSVOA_U

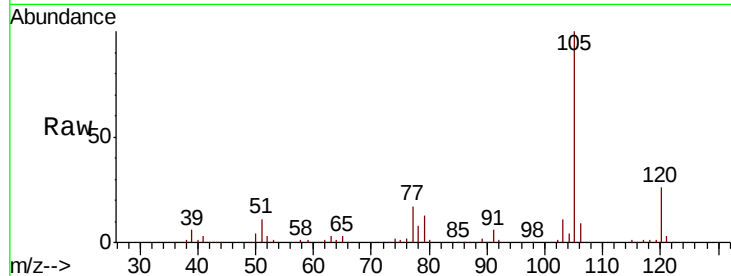
ClientSampleId :

Tot Ion: 75 Resp: 1778

Ion Ratio Lower Upper

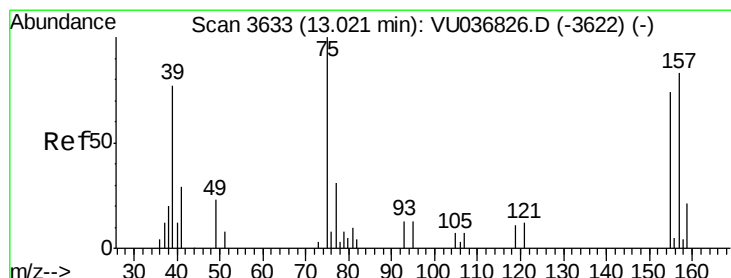
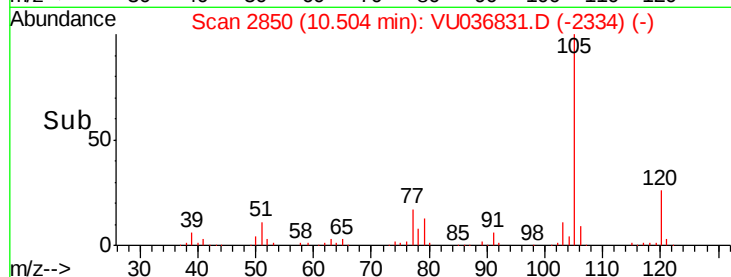
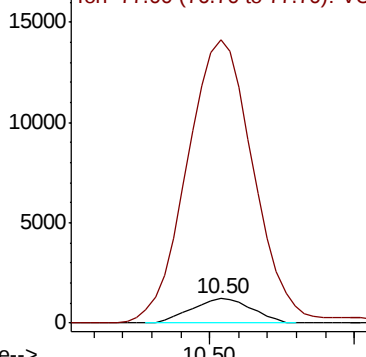
75 100

77 1276.2 25.6 38.4#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#66

1,2-Dibromo-3-chloropropane

Concen: 10.159 ug/L

RT: 13.07 min Scan# 3649

Delta R.T. 0.05 min

Lab File: VU036831.D

Acq: 18 Feb 2020 13:12

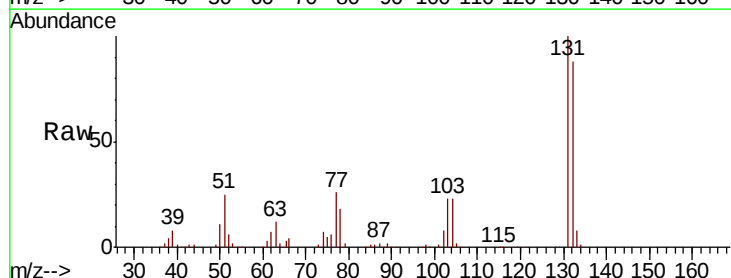
Tgt Ion: 75 Resp: 11248

Ion Ratio Lower Upper

75 100

155 0.0 52.9 79.3#

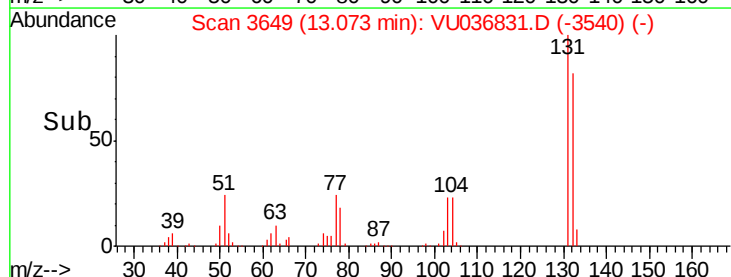
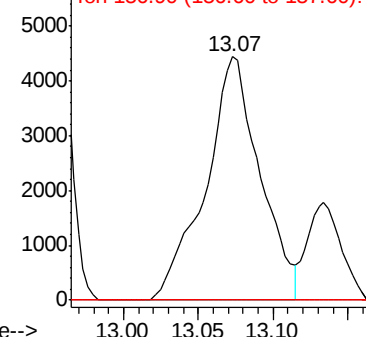
157 0.0 69.2 103.8#

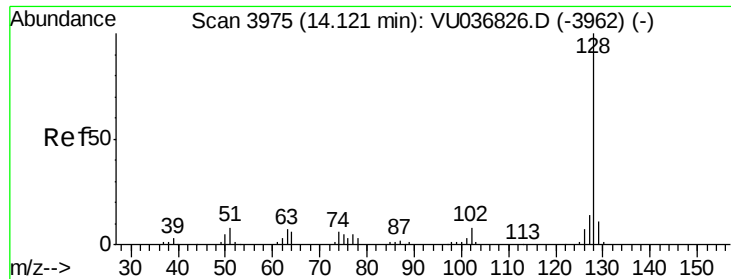


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V





#69

Naphthalene

Concen: 0.877 ug/L

RT: 14.12 min Scan# 3974

Delta R.T. -0.00 min

Lab File: VU036831.D

Acq: 18 Feb 2020 13:12

Instrument :

MSVOA_U

ClientSampleId :

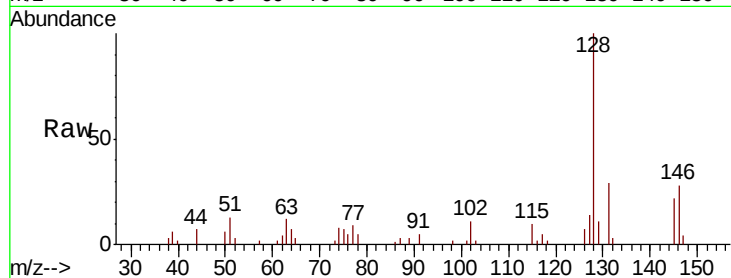
Tot Ion:128 Resp: 12978

Ion Ratio Lower Upper

128 100

129 12.2 9.0 13.4

127 15.6 10.8 16.2



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

