

Data File : VU032536.D
Acq On : 07 Jun 2019 12:18
Operator : JC/SP
Sample : K3215-10DL 20X
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
DB8J4DL

Quant Time: Jun 07 22:23:07 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Jun 07 22:19:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	212797	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.08	117	195127	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	101944	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	75115	54.41	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	108.82%
7) Chloroethane-d5	1.68	69	59060	53.23	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	106.46%
11) 1,1-Dichloroethene-d2	2.27	63	107304	39.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.40%
21) 2-Butanone-d5	4.17	46	119381	103.33	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.33%
24) Chloroform-d	4.64	84	125995	48.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.86%
26) 1,2-Dichloroethane-d4	5.30	65	83833	51.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.36%
32) Benzene-d6	5.33	84	270722	53.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.88%
36) 1,2-Dichloropropane-d6	6.32	67	84819	53.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.80%
41) Toluene-d8	7.56	98	250493	52.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.30%
43) trans-1,3-Dichloropropene-	7.85	79	39393	51.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.64%
47) 2-Hexanone-d5	8.31	63	84203	109.29	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	109.29%
57) 1,1,2,2-Tetrachloroethane-	10.42	84	122312	53.14	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.28%
64) 1,2-Dichlorobenzene-d4	11.86	152	102396	52.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.88%

Target Compounds

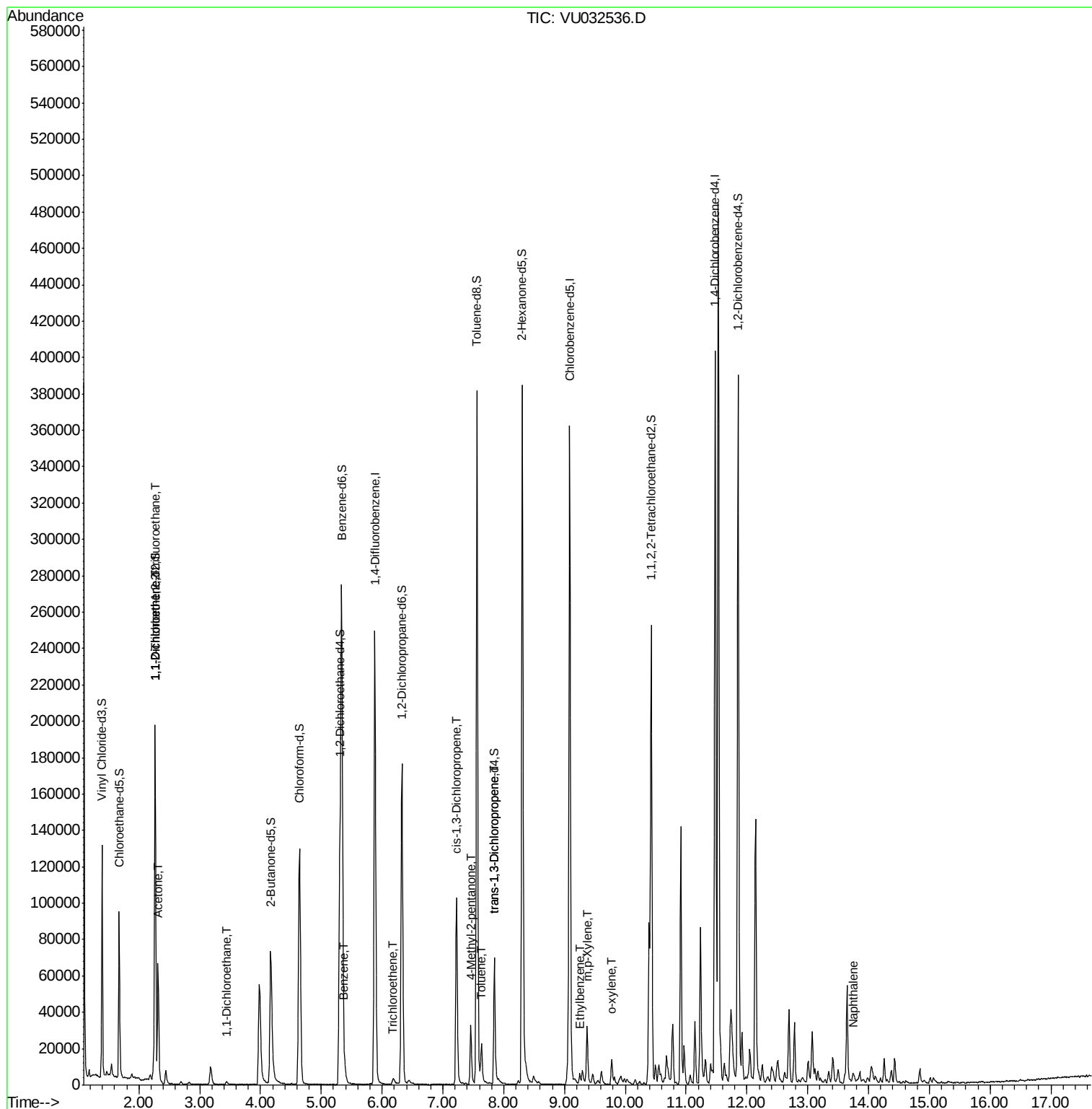
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	930	0.715 ug/L #	18
12) 1,1-Dichloroethene	2.27	96	955	0.756 ug/L #	1
13) Acetone	2.32	43	66048	55.404 ug/L	99
19) 1,1-Dichloroethane	3.45	63	2119	0.850 ug/L #	82
33) Benzene	5.38	78	8737	1.594 ug/L	100
34) Trichloroethene	6.19	95	674	0.452 ug/L	82
39) cis-1,3-Dichloropropene	7.22	75	2574	1.123 ug/L #	66
40) 4-Methyl-2-pentanone	7.46	43	23650	10.115 ug/L	98
42) Toluene	7.64	91	16357	2.724 ug/L	97
44) trans-1,3-Dichloropropene	7.85	75	1956	0.961 ug/L	94
52) Ethylbenzene	9.25	91	4778	0.714 ug/L	93
53) m,p-Xylene	9.37	106	5330	2.094 ug/L	95
54) o-xylene	9.78	106	3752	1.485 ug/L	92
69) Naphthalene	13.75	128	5852	0.913 ug/L	97

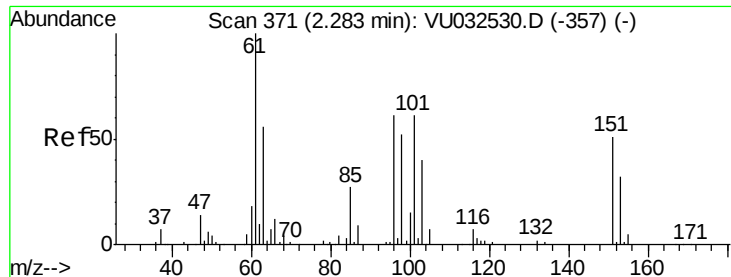
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#10

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

Concen: 0.715 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.02 min

Lab File: VU032536.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA_U

ClientSampleId :

DB8J4DL

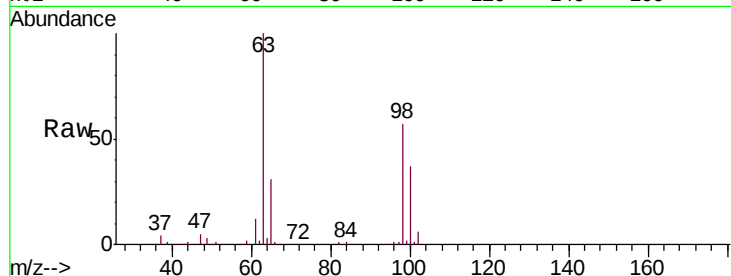
Tgt Ion: 101 Resp: 930

Ion Ratio Lower Upper

101 100

85 0.0 36.1 54.1#

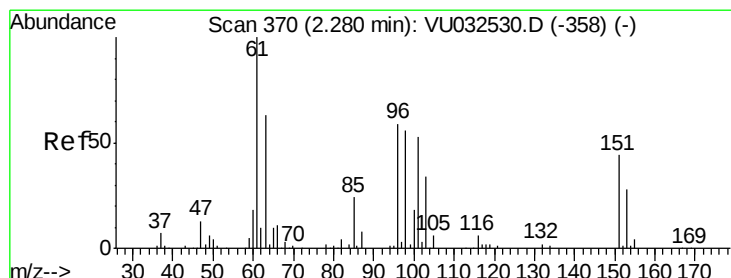
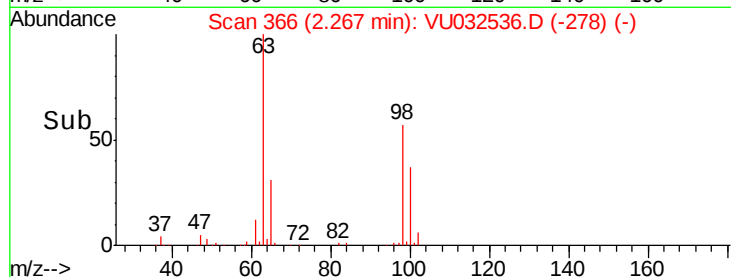
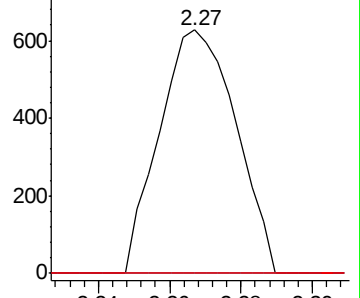
151 0.0 63.0 94.4#



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: 0.756 ug/L

RT: 2.27 min Scan# 366

Delta R.T. -0.01 min

Lab File: VU032536.D

Acq: 07 Jun 2019 12:18

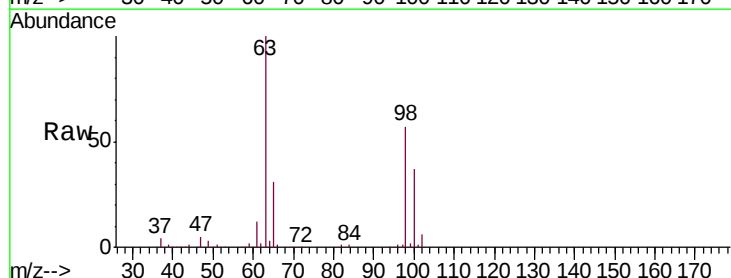
Tgt Ion: 96 Resp: 955

Ion Ratio Lower Upper

96 100

61 1433.5 129.5 240.5#

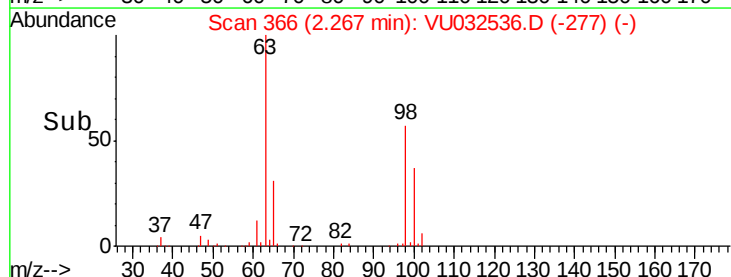
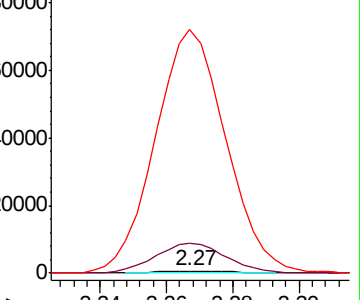
63 11709.9 103.4 192.0#

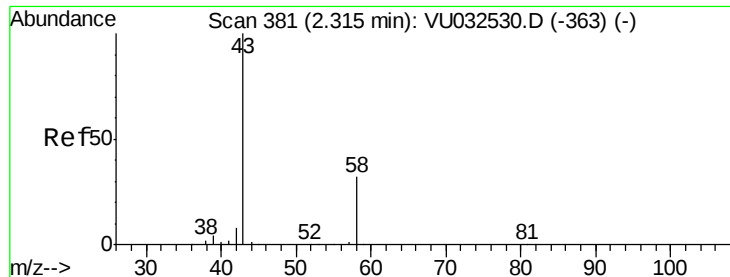


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 55.404 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VU032536.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA_U

ClientSampleId :

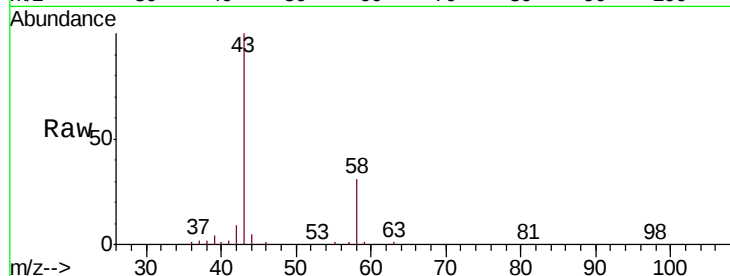
DB8J4DL

Tgt Ion: 43 Resp: 66048

Ion Ratio Lower Upper

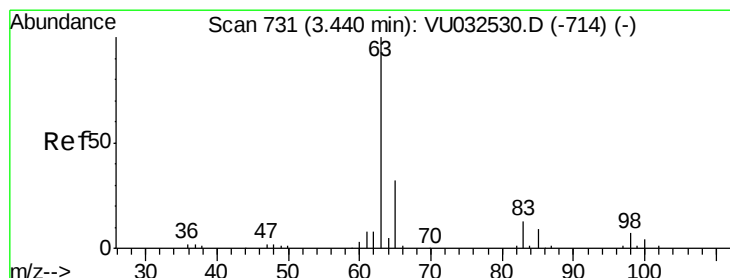
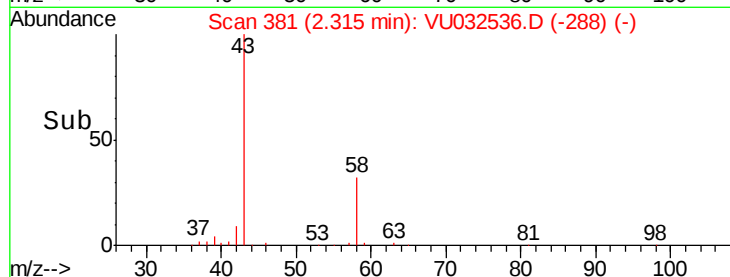
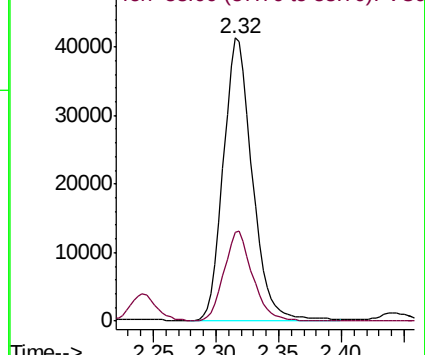
43 100

58 31.6 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VU032536.D (-288) (-)

Ion 58.00 (57.70 to 58.70): VU032536.D (-288) (-)



#19

1,1-Dichloroethane

Concen: 0.850 ug/L

RT: 3.45 min Scan# 733

Delta R.T. 0.01 min

Lab File: VU032536.D

Acq: 07 Jun 2019 12:18

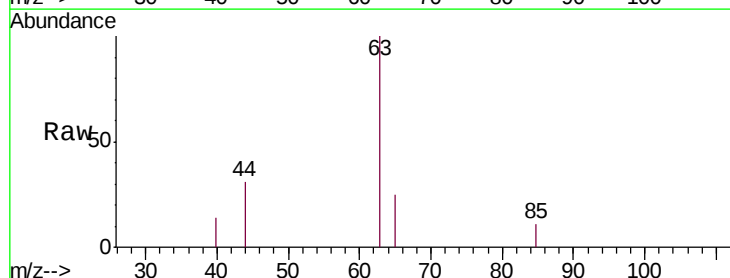
Tgt Ion: 63 Resp: 2119

Ion Ratio Lower Upper

63 100

65 25.1 21.8 40.6

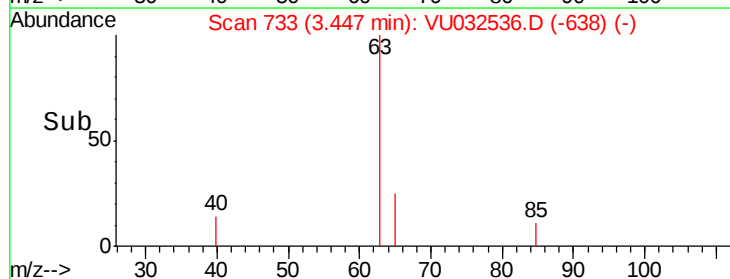
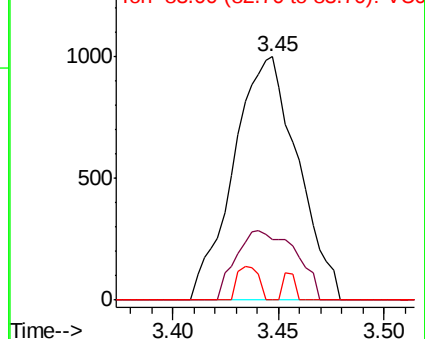
83 0.0 9.8 18.2#

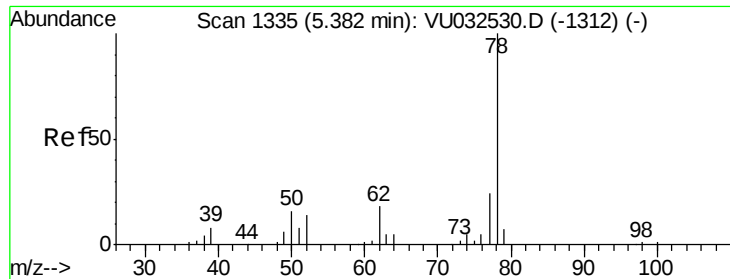


Abundance Ion 63.00 (62.70 to 63.70): VU032536.D (-638) (-)

Ion 65.00 (64.70 to 65.70): VU032536.D (-638) (-)

Ion 83.00 (82.70 to 83.70): VU032536.D (-638) (-)





#33

Benzene

Concen: 1.594 ug/L

RT: 5.38 min Scan# 1335

Delta R.T. 0.00 min

Lab File: VU032536.D

Acq: 07 Jun 2019 12:18

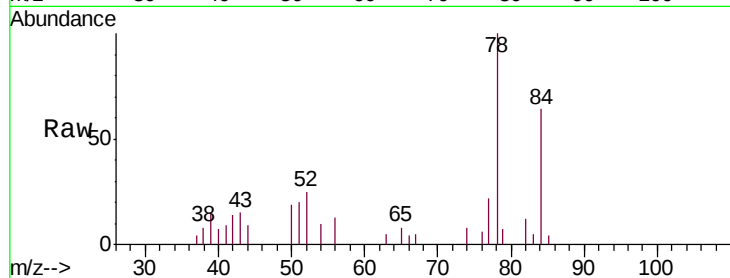
Instrument :

MSVOA_U

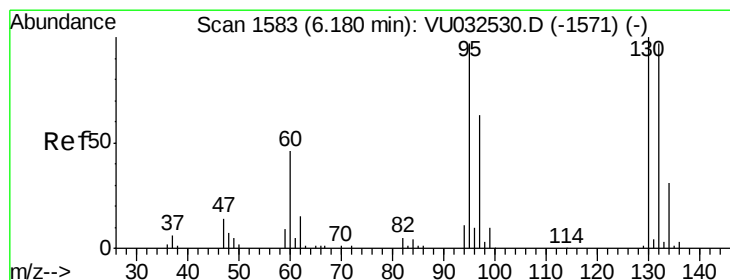
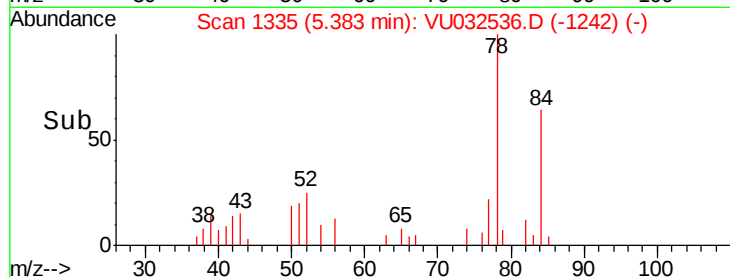
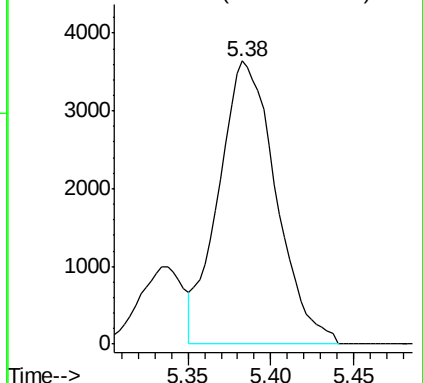
ClientSampleId :

DB8J4DL

Tgt Ion: 78 Resp: 8737



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 0.452 ug/L

RT: 6.19 min Scan# 1585

Delta R.T. 0.01 min

Lab File: VU032536.D

Acq: 07 Jun 2019 12:18

Tgt Ion: 95 Resp: 674

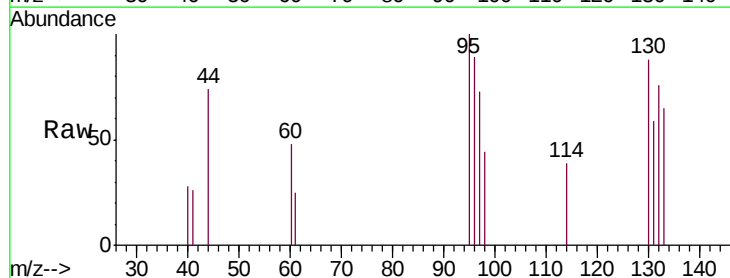
Ion Ratio Lower Upper

95 100

97 72.7 45.8 85.2

132 76.3 71.0 131.8

130 88.1 73.4 136.2

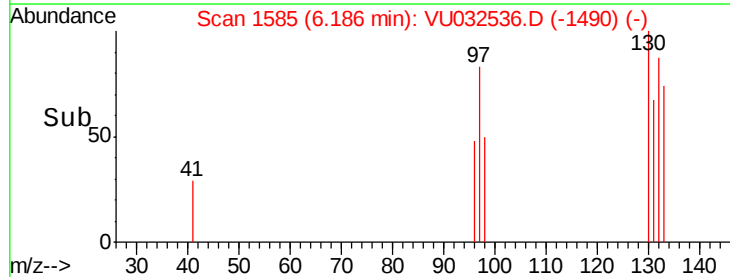
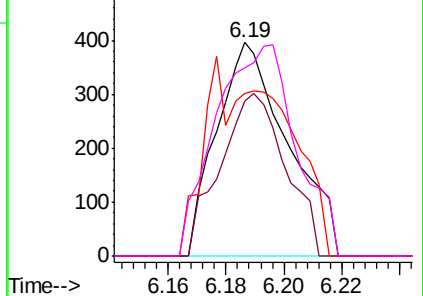


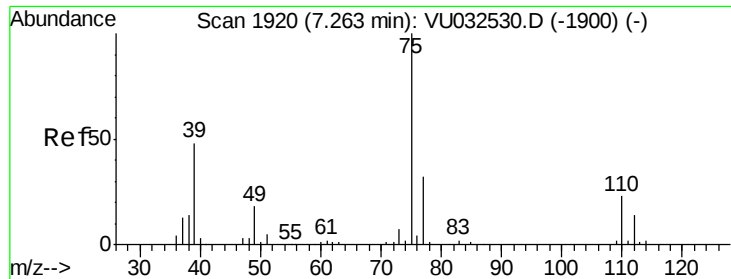
Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 97.00 (96.70 to 97.70): VU0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V

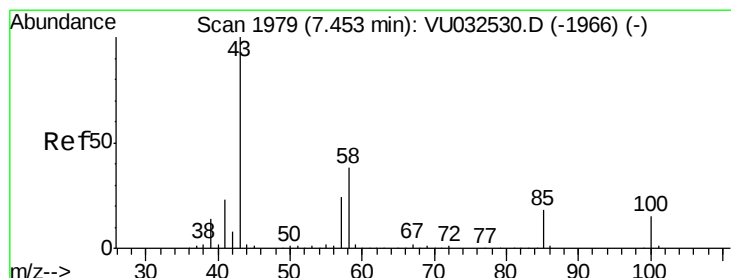
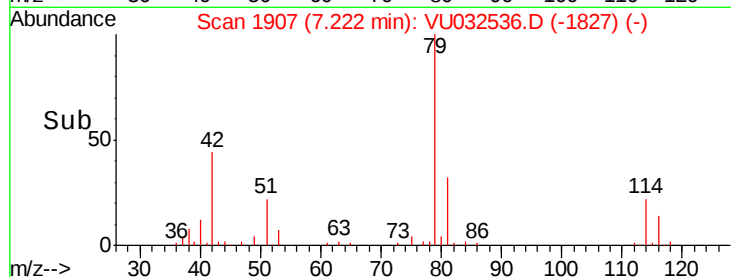
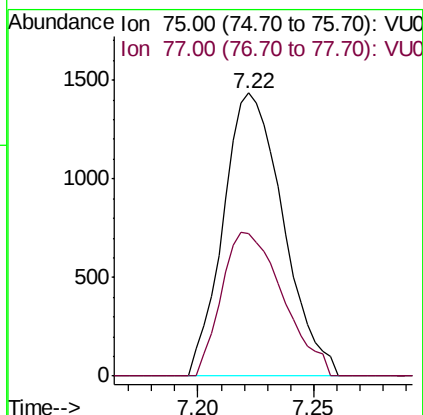
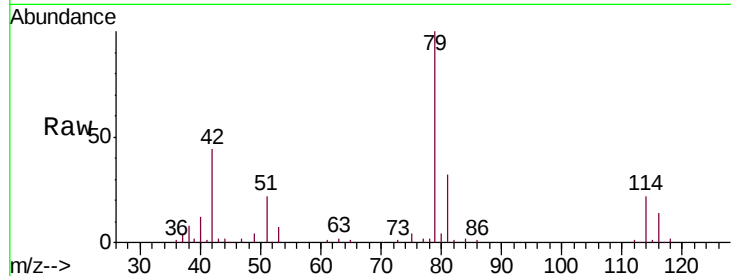




#39
 cis-1,3-Dichloropropene
 Concen: 1.123 ug/L
 RT: 7.22 min Scan# 1907
 Delta R.T. -0.04 min
 Lab File: VU032536.D
 Acq: 07 Jun 2019 12:18

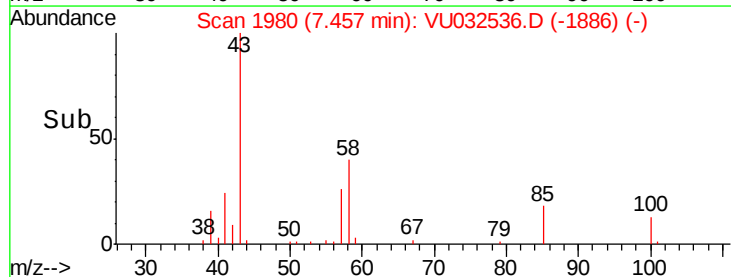
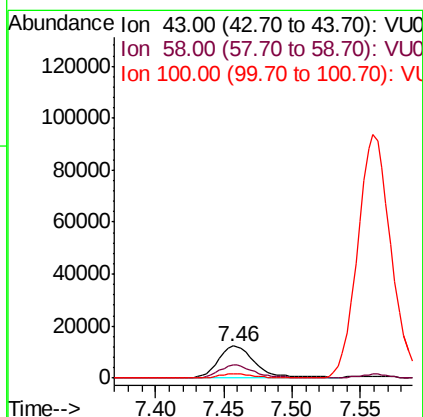
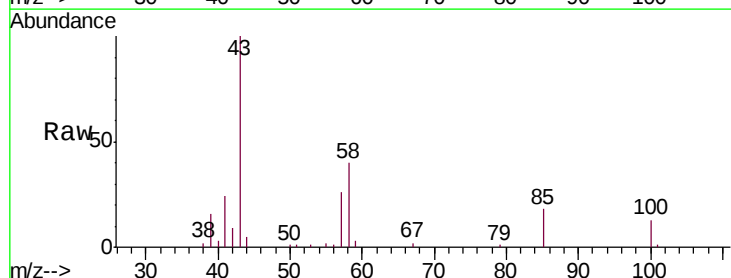
Instrument :
 MSVOA_U
 ClientSampleId :
 DB8J4DL

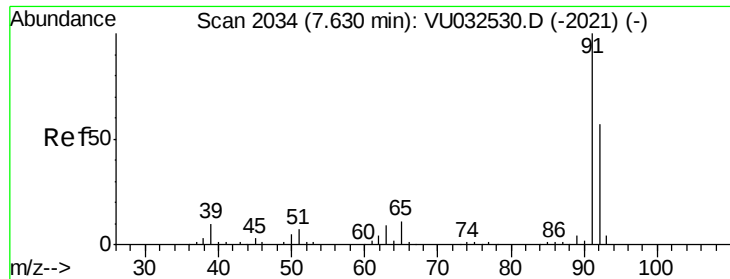
Tgt Ion: 75 Resp: 2574
 Ion Ratio Lower Upper
 75 100
 77 50.3 22.0 41.0#



#40
 4-Methyl-2-pentanone
 Concen: 10.115 ug/L
 RT: 7.46 min Scan# 1980
 Delta R.T. 0.00 min
 Lab File: VU032536.D
 Acq: 07 Jun 2019 12:18

Tgt Ion: 43 Resp: 23650
 Ion Ratio Lower Upper
 43 100
 58 38.1 30.8 46.2
 100 12.3 12.1 18.1





#42

Toluene

Concen: 2.724 ug/L

RT: 7.64 min Scan# 2036

Delta R.T. 0.01 min

Lab File: VU032536.D

Acq: 07 Jun 2019 12:18

Instrument :

MSVOA_U

ClientSampleId :

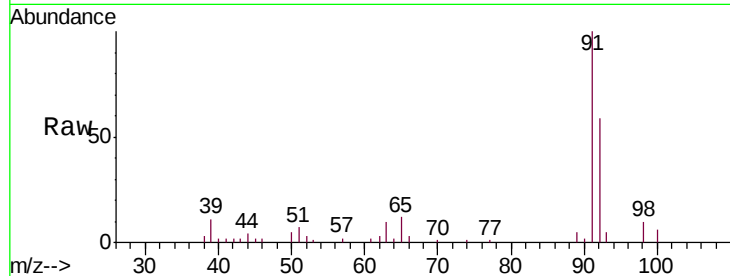
DB8J4DL

Tgt Ion: 91 Resp: 16357

Ion Ratio Lower Upper

91 100

92 58.6 39.7 73.7



Abundance Ion 91.00 (90.70 to 91.70): VU032530.D (-2021) (-)

Ion 92.00 (91.70 to 92.70): VU032530.D (-2021) (-)

7.64

8000

6000

4000

2000

0

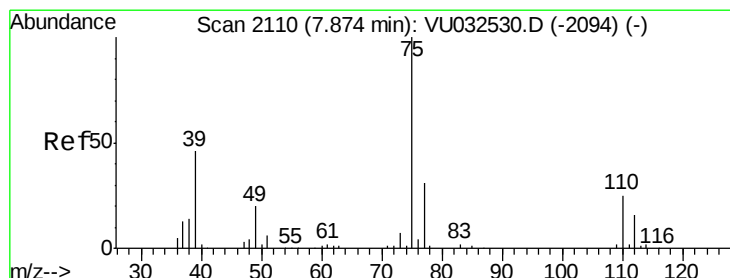
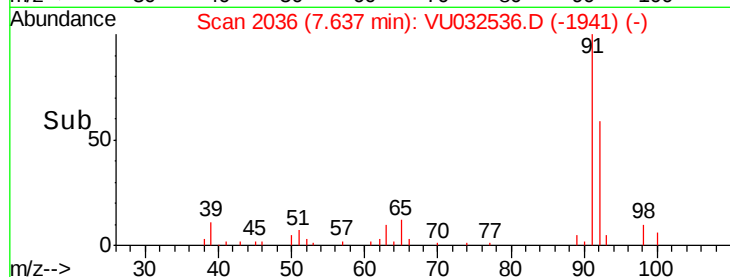
Time-->

7.55

7.60

7.65

7.70



#44

trans-1,3-Dichloropropene

Concen: 0.961 ug/L

RT: 7.85 min Scan# 2102

Delta R.T. -0.03 min

Lab File: VU032536.D

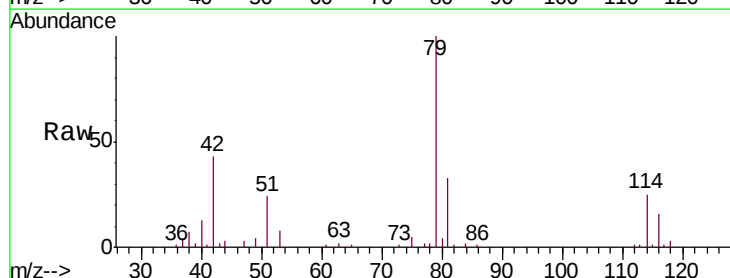
Acq: 07 Jun 2019 12:18

Tgt Ion: 75 Resp: 1956

Ion Ratio Lower Upper

75 100

77 34.8 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VU032530.D (-2094) (-)

Ion 77.00 (76.70 to 77.70): VU032530.D (-2094) (-)

7.85

1200

1000

800

600

400

200

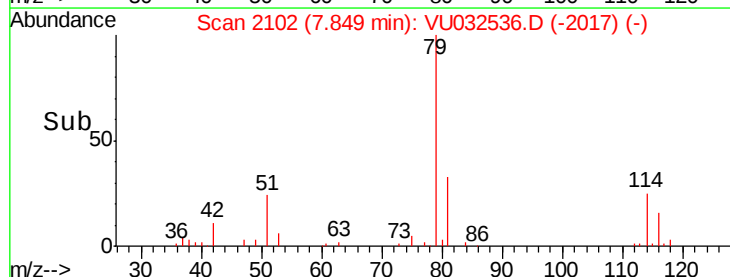
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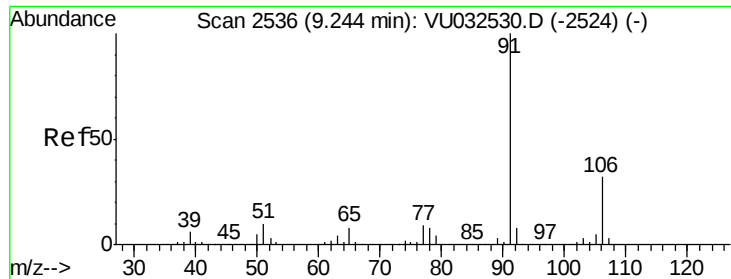
Time-->

7.80

7.85

7.90





#52

Ethylbenzene

Concen: 0.714 ug/L

RT: 9.25 min Scan# 2538

Delta R.T. 0.01 min

Lab File: VU032536.D

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ClientSampleId :

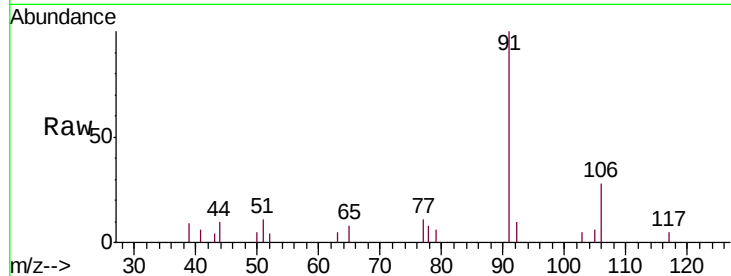
DB8J4DL

Tgt Ion: 91 Resp: 4778

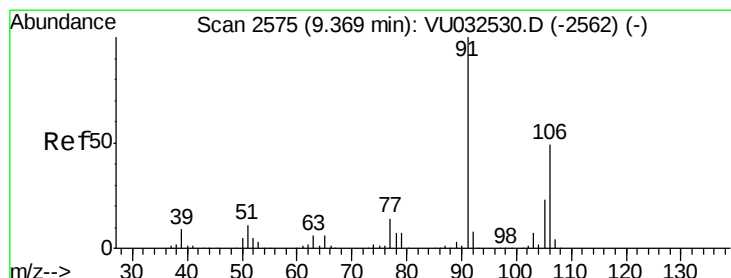
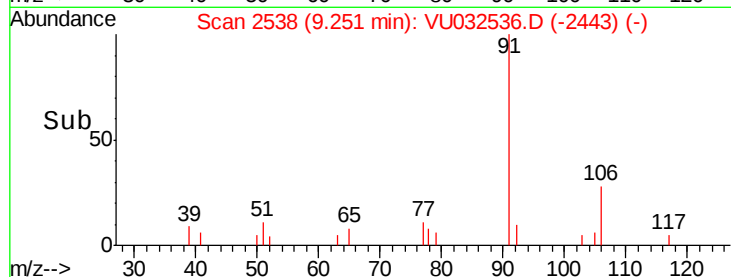
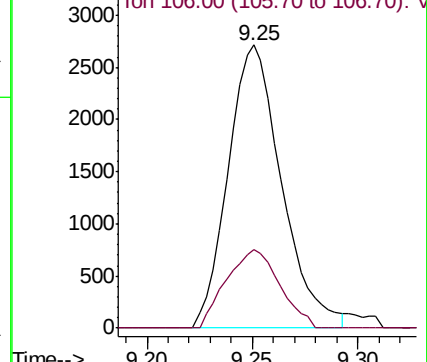
Ion Ratio Lower Upper

91 100

106 27.6 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VU032536.D (-2524) (-)



#53

m,p-Xylene

Concen: 2.094 ug/L

RT: 9.37 min Scan# 2575

Delta R.T. 0.00 min

Lab File: VU032536.D

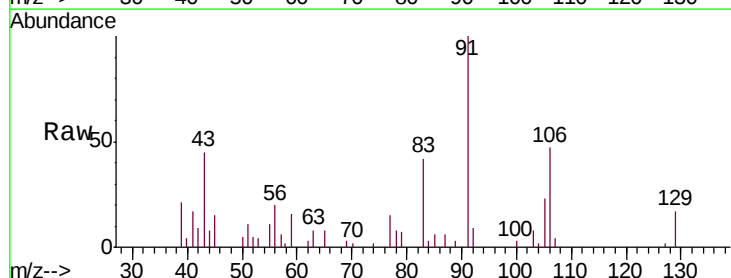
Acq: 07 Jun 2019 12:18

Tgt Ion: 106 Resp: 5330

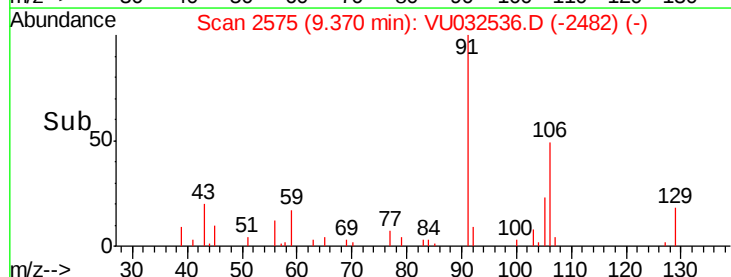
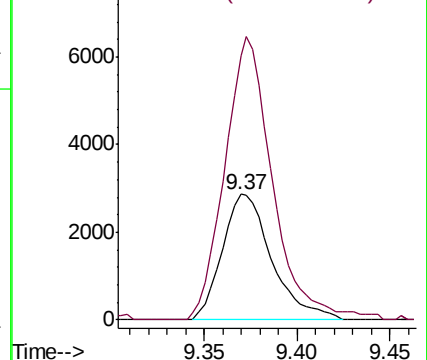
Ion Ratio Lower Upper

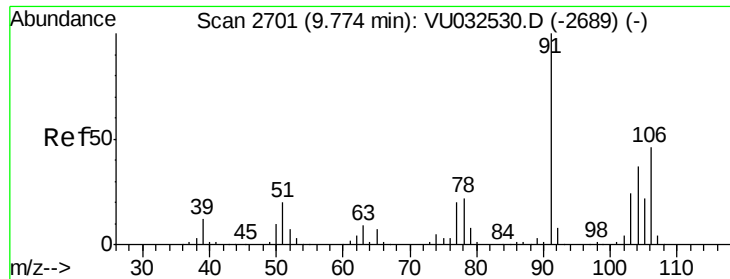
106 100

91 210.7 141.7 263.1



Abundance Ion 106.00 (105.70 to 106.70): VU032536.D (-2562) (-)





#54

o-xylene

Concen: 1.485 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VU032536.D

Acq: 07 Jun 2019 12:18

Instrument :

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ClientSampleId :

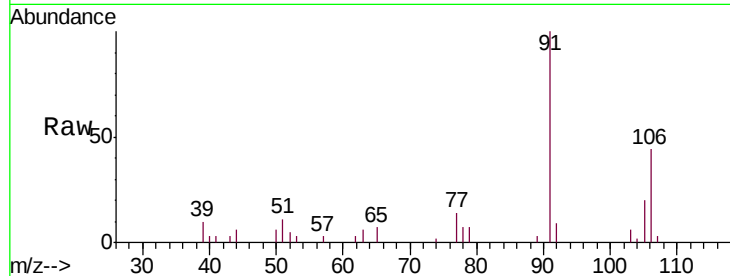
DB8J4DL

Tgt Ion:106 Resp: 3752

Ion Ratio Lower Upper

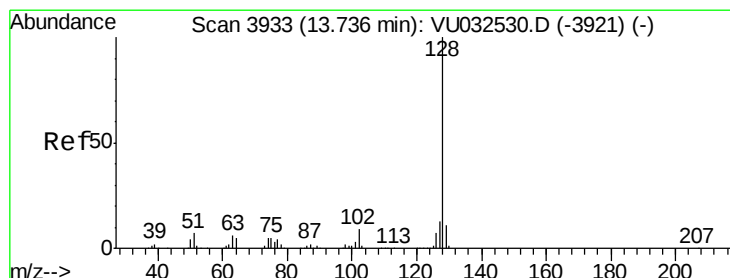
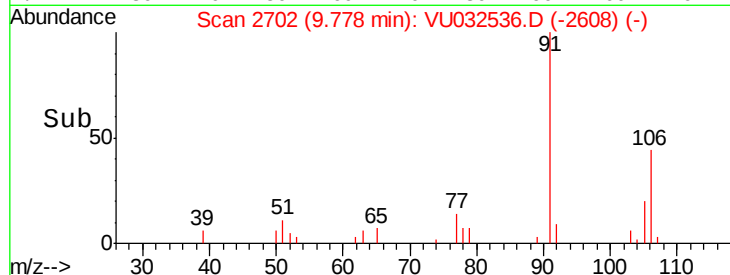
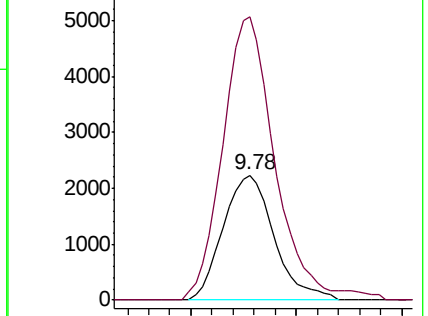
106 100

91 226.6 150.1 278.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#69

Naphthalene

Concen: 0.913 ug/L

RT: 13.75 min Scan# 3937

Delta R.T. 0.01 min

Lab File: VU032536.D

Acq: 07 Jun 2019 12:18

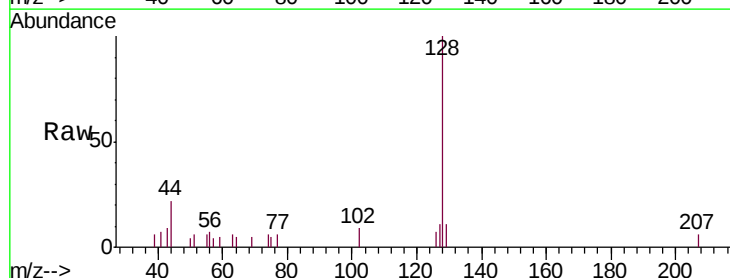
Tgt Ion:128 Resp: 5852

Ion Ratio Lower Upper

128 100

127 11.8 10.4 15.6

129 9.1 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

