

Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU050618\
 Data File : VU023687.D
 Acq On : 06 May 2018 13:15
 Operator : MD/SY
 Sample : J2721-04
 Misc : 5.36g/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 07 00:52:04 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon May 07 00:51:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	400251	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.10	117	402999	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	221766	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	109976	38.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.54%
7) Chloroethane-d5	1.64	69	56147	25.97	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	51.94%#
11) 1,1-Dichloroethene-d2	2.24	63	151284	27.35	ug/L	-0.04
Spiked Amount	50.000	Range	60 - 125	Recovery	=	54.70%#
21) 2-Butanone-d5	4.19	46	197215	100.62	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.62%
24) Chloroform-d	4.65	84	186426	39.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.48%
26) 1,2-Dichloroethane-d4	5.31	65	128645	39.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.86%
32) Benzene-d6	5.34	84	418996	38.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	77.50%
36) 1,2-Dichloropropane-d6	6.33	67	140518	38.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	77.60%
41) Toluene-d8	7.57	98	456901	45.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.68%
43) trans-1,3-Dichloropropene-	7.86	79	64441	41.33	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.66%
47) 2-Hexanone-d5	8.33	63	164949	119.93	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	119.93%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	222137	47.42	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.84%
64) 1,2-Dichlorobenzene-d4	11.87	152	185694	42.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.84%

Target Compounds

						Qvalue
29) Cyclohexane	4.99	56	3306480	555.14	ug/L	# 55
30) 1,1,1-Trichloroethane	4.91	97	15518	3.04	ug/L	100
35) Methylcyclohexane	6.42	83	2973201	522.42	ug/L	91
37) 1,2-Dichloropropane	6.41	63	27988	6.88	ug/L	# 1
38) Bromodichloromethane	6.74	83	33014	7.19	ug/L	# 1
40) 4-Methyl-2-pentanone	7.53	43	169340	34.08	ug/L	# 49
45) 1,1,2-Trichloroethane	8.05	97	367119	106.16	ug/L	# 18
48) 2-Hexanone	8.33	43	663315	153.26	ug/L	# 24
52) Ethylbenzene	9.26	91	9876735	619.02	ug/L	98
54) o-xylene	9.79	106	6870403	1191.59	ug/L	95
55) Styrene	9.79	104	337830	33.49	ug/L	# 1
56) Isopropylbenzene	10.17	105	4400216	290.78	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.46	83	20328	3.58	ug/L	# 63
66) 1,2-Dibromo-3-chloropropan	12.65	75	13847	11.66	ug/L	# 2
69) Naphthalene	13.75	128	1699670	113.85	ug/L	100

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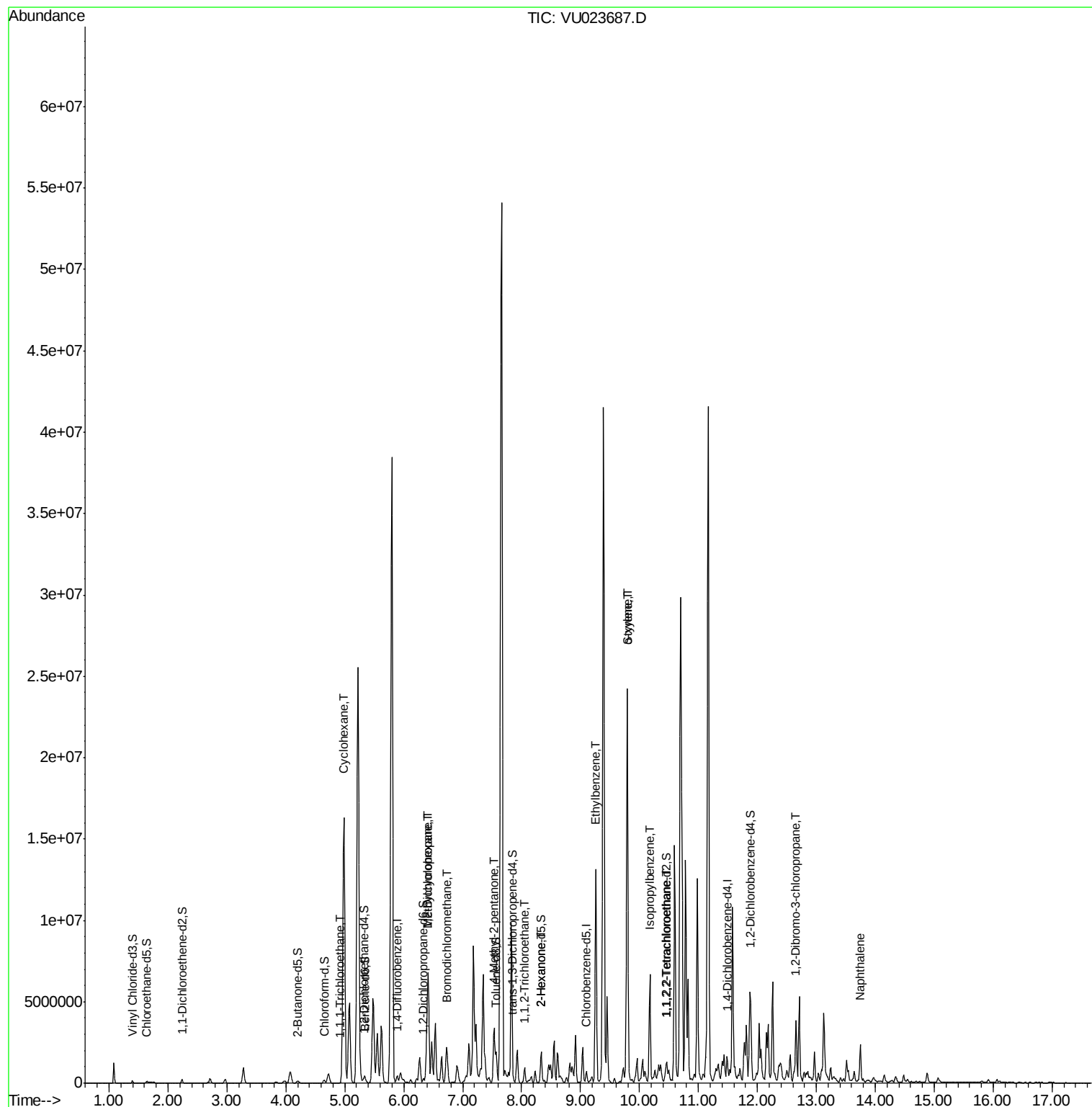
Quant Time: May 07 00:52:04 2018
Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
Quant Title : VOC Analysis
QLast Update : Mon May 07 00:51:10 2018
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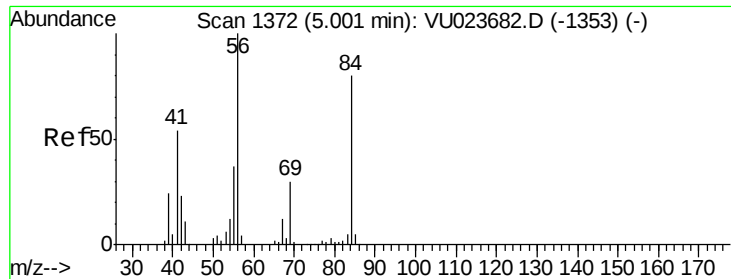
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

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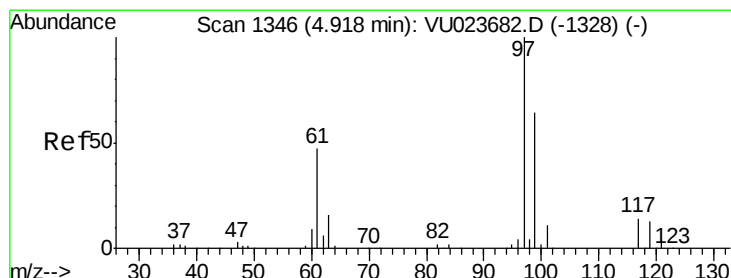
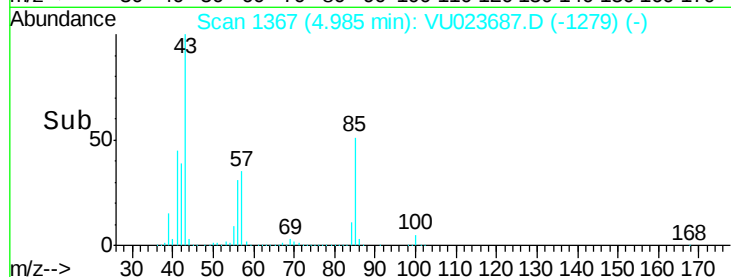
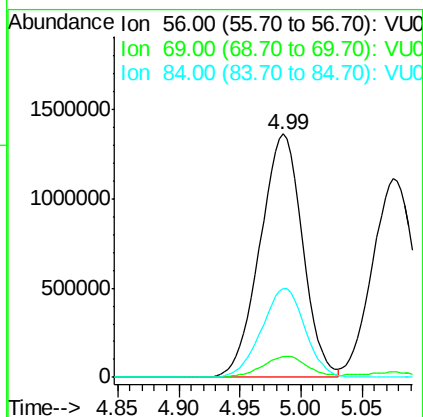
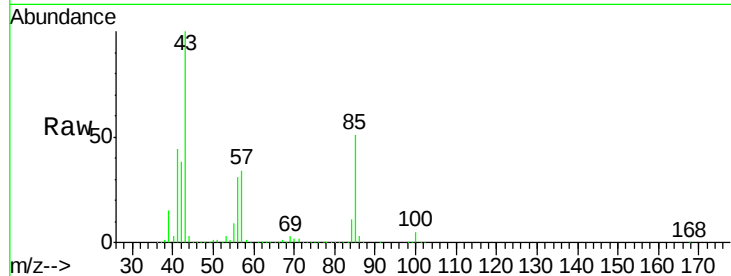
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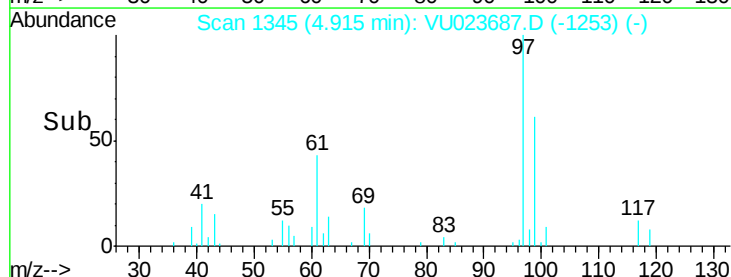
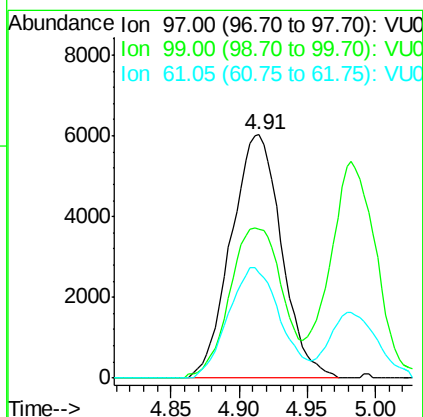
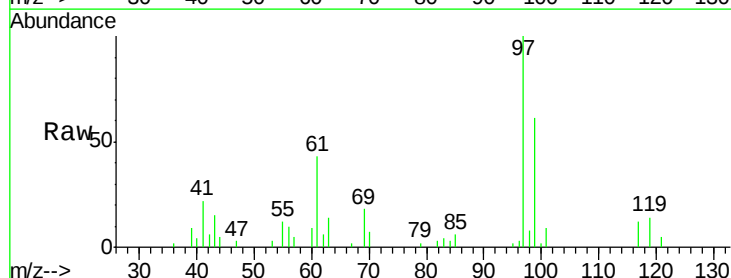
#29
Cyclohexane
Concen: 555.14 ug/L
RT: 4.99 min Scan# 1367
Delta R.T. -0.02 min
Lab File: VU023687.D
Acq: 06 May 2018 13:15

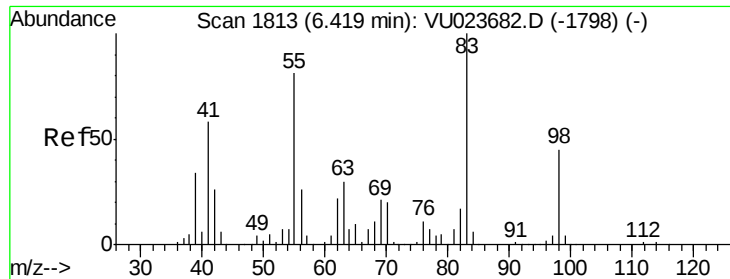
Tgt Ion: 56 Resp: 3306480
Ion Ratio Lower Upper
56 100
69 9.3 23.5 35.3#
84 37.3 63.8 95.8#



#30
1,1,1-Trichloroethane
Concen: 3.04 ug/L
RT: 4.91 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VU023687.D
Acq: 06 May 2018 13:15

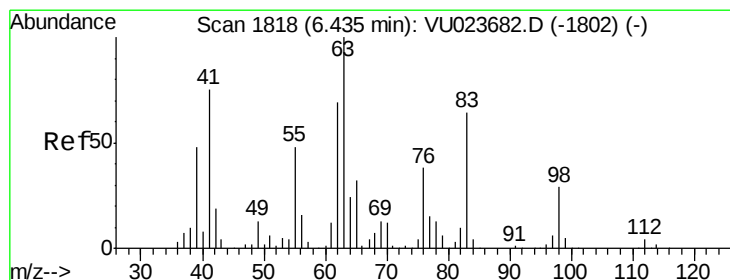
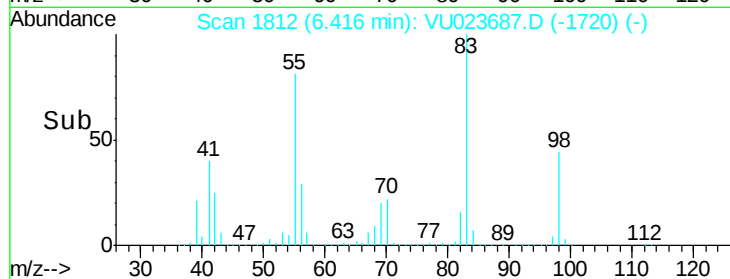
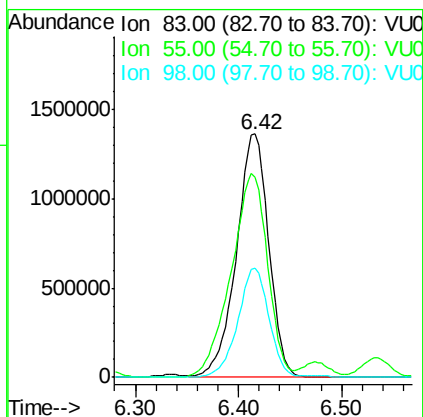
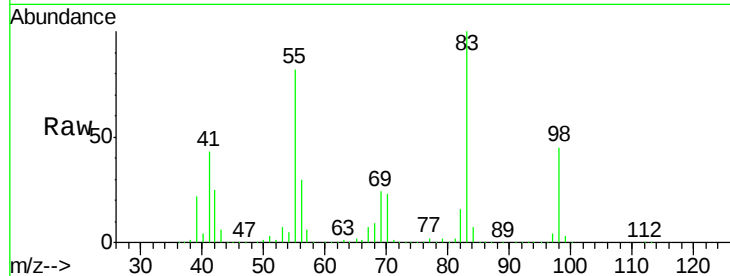
Tgt Ion: 97 Resp: 15518
Ion Ratio Lower Upper
97 100
99 64.7 51.8 77.6
61 46.8 37.7 56.5





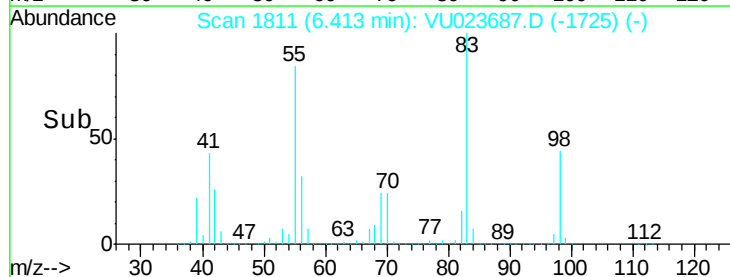
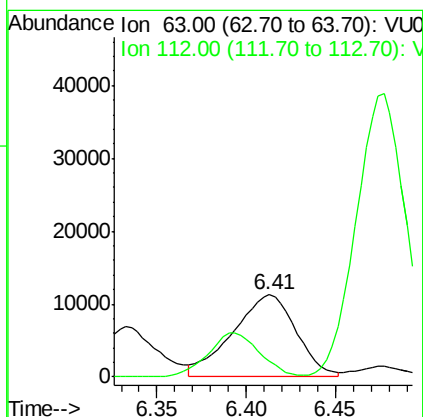
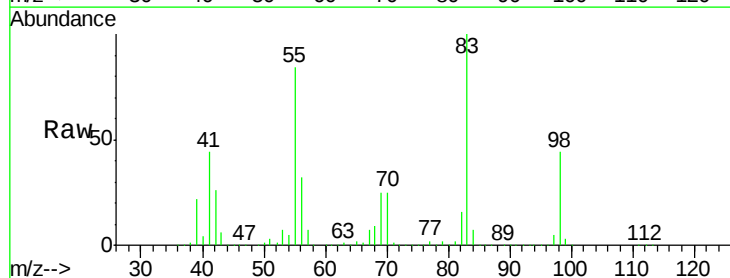
#35
Methylcyclohexane
Concen: 522.42 ug/L
RT: 6.42 min Scan# 1812
Delta R.T. -0.00 min
Lab File: VU023687.D
Acq: 06 May 2018 13:15

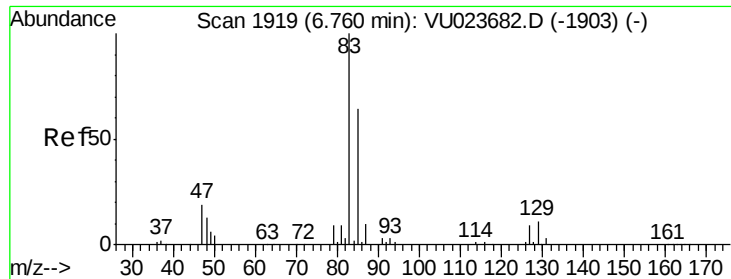
Tgt Ion: 83 Resp: 2973201
Ion Ratio Lower Upper
83 100
55 94.5 66.7 100.1
98 43.3 36.6 54.8



#37
1,2-Dichloropropane
Concen: 6.88 ug/L
RT: 6.41 min Scan# 1811
Delta R.T. -0.02 min
Lab File: VU023687.D
Acq: 06 May 2018 13:15

Tgt Ion: 63 Resp: 27988
Ion Ratio Lower Upper
63 100
112 43.6 3.1 4.7#





#38

Bromodichloromethane

Concen: 7.19 ug/L

RT: 6.74 min Scan# 1912

Delta R.T. -0.02 min

Lab File: VU023687.D

Acq: 06 May 2018 13:15

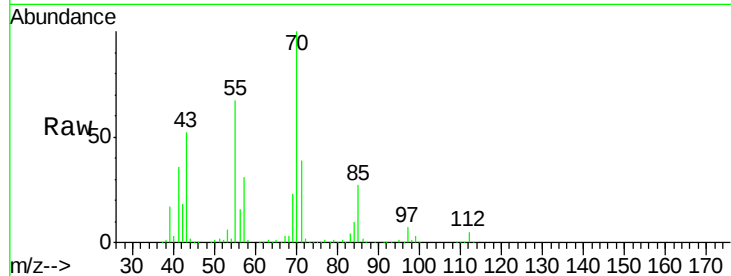
Tgt Ion: 83 Resp: 33014

Ion Ratio Lower Upper

83 100

85 677.5 45.1 83.7#

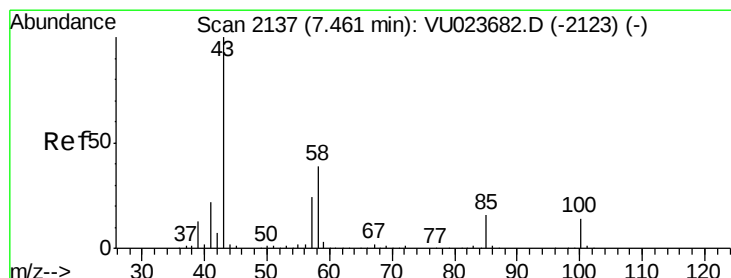
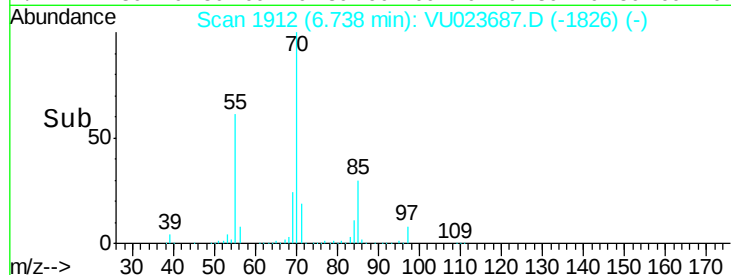
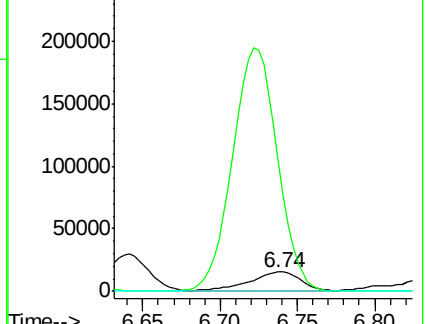
127 0.0 6.9 10.3#



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 127.00 (126.70 to 127.70): V



#40

4-Methyl-2-pentanone

Concen: 34.08 ug/L

RT: 7.53 min Scan# 2159

Delta R.T. 0.07 min

Lab File: VU023687.D

Acq: 06 May 2018 13:15

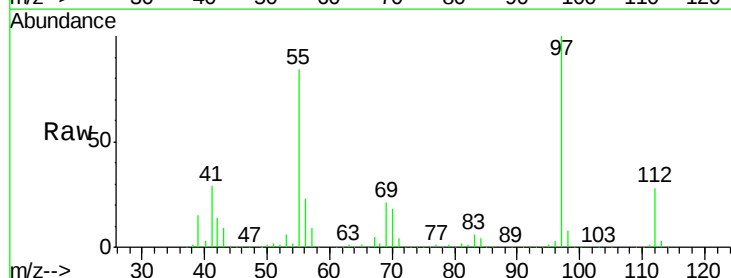
Tgt Ion: 43 Resp: 169340

Ion Ratio Lower Upper

43 100

58 3.9 30.8 46.2#

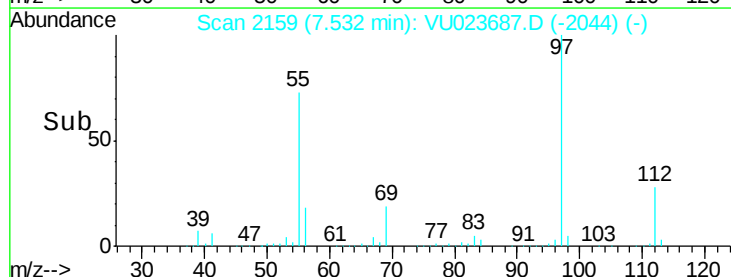
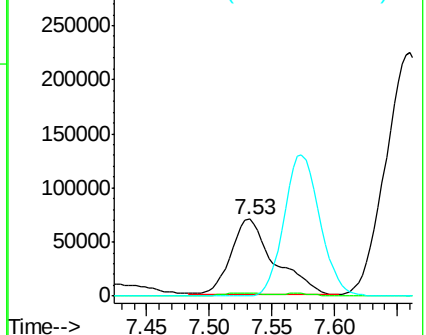
100 0.0 10.7 16.1#

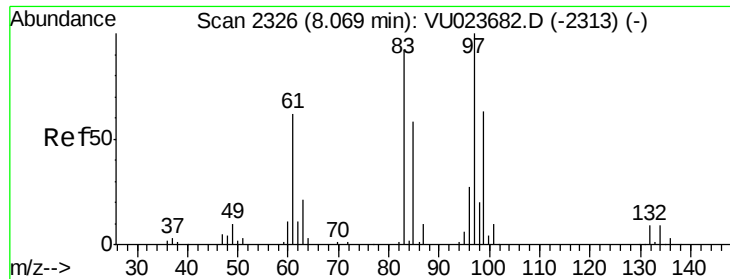


Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 100.00 (99.70 to 100.70): VU





#45

1,1,2-Trichloroethane

Concen: 106.16 ug/L

RT: 8.05 min Scan# 2320

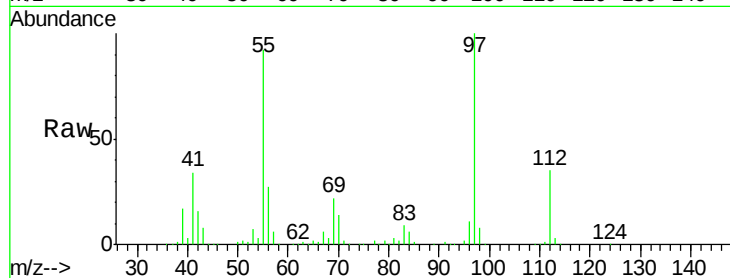
Delta R.T. -0.02 min

Lab File: VU023687.D

Acq: 06 May 2018 13:15

Tgt Ion: 97 Resp: 367119

Ion	Ratio	Lower	Upper
97	100		
99	0.3	44.2	82.2#
83	8.5	63.1	117.1#
85	0.5	40.3	74.8#



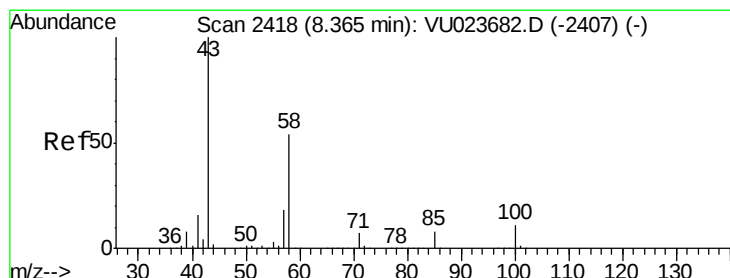
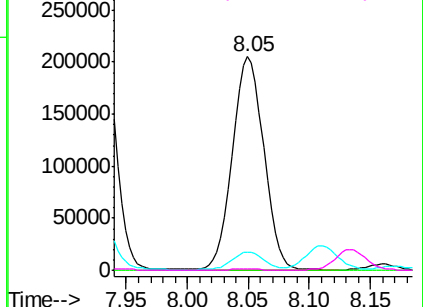
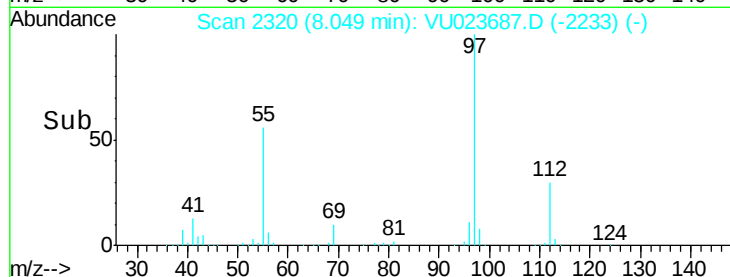
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#48

2-Hexanone

Concen: 153.26 ug/L

RT: 8.33 min Scan# 2408

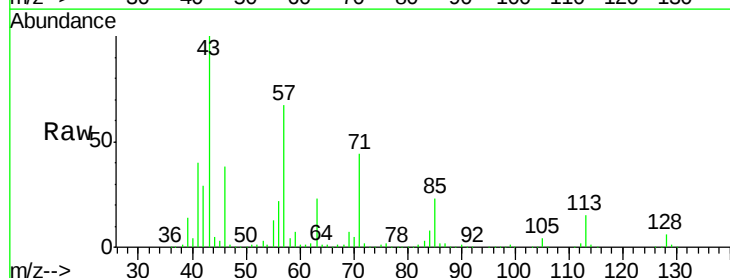
Delta R.T. -0.03 min

Lab File: VU023687.D

Acq: 06 May 2018 13:15

Tgt Ion: 43 Resp: 663315

Ion	Ratio	Lower	Upper
43	100		
58	4.1	43.0	64.6#
57	72.9	14.6	22.0#
100	0.1	8.4	12.6#



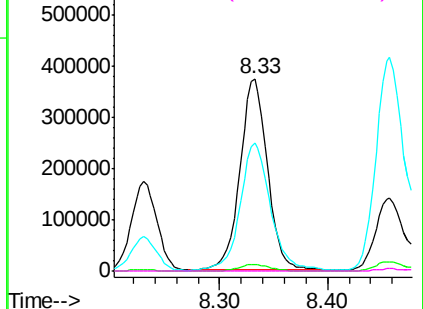
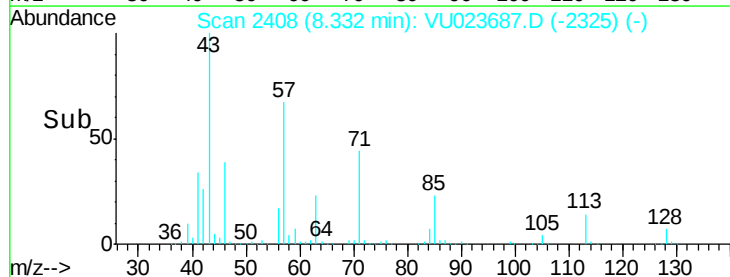
Abundance

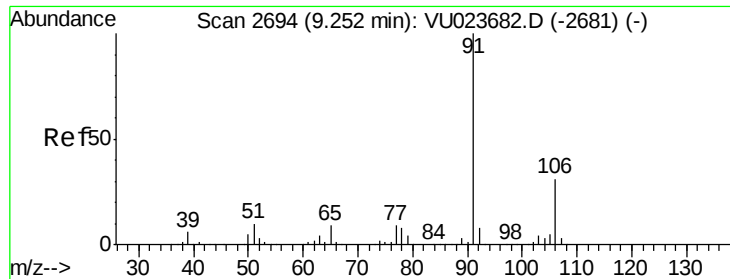
Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#52

Ethylbenzene

Concen: 619.02 ug/L

RT: 9.26 min Scan# 2696

Delta R.T. 0.01 min

Lab File: VU023687.D

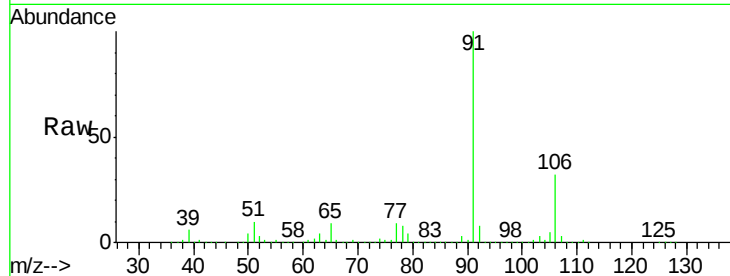
Acq: 06 May 2018 13:15

Tgt Ion: 91 Resp: 9876735

Ion Ratio Lower Upper

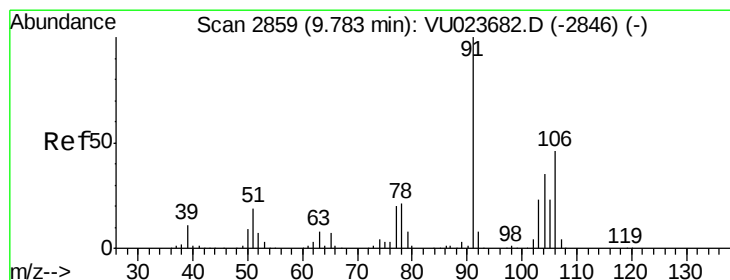
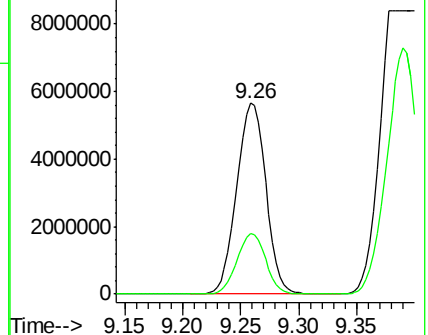
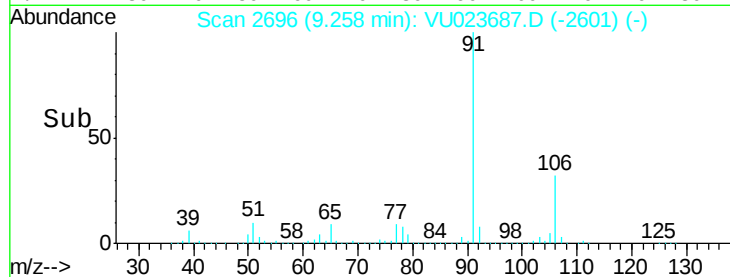
91 100

106 31.8 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VU023682.D (-2681) (-)

Ion 106.00 (105.70 to 106.70): VU023687.D (-2601) (-)



#54

o-xylene

Concen: 1191.59 ug/L

RT: 9.79 min Scan# 2862

Delta R.T. 0.01 min

Lab File: VU023687.D

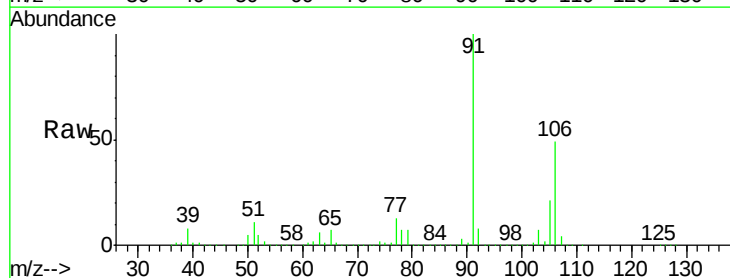
Acq: 06 May 2018 13:15

Tgt Ion: 106 Resp: 6870403

Ion Ratio Lower Upper

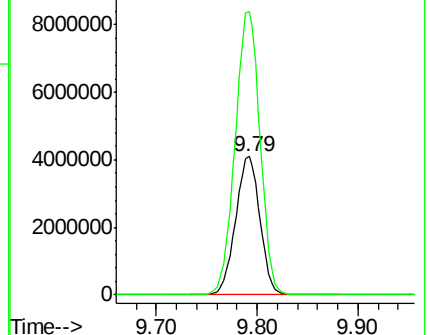
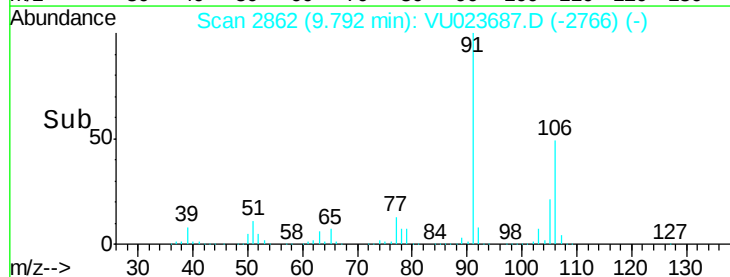
106 100

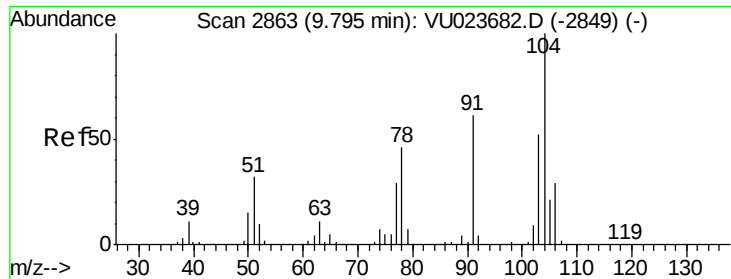
91 204.5 148.9 276.5



Abundance Ion 106.00 (105.70 to 106.70): VU023682.D (-2846) (-)

Ion 91.00 (90.70 to 91.70): VU023687.D (-2766) (-)





#55

Styrene

Concen: 33.49 ug/L

RT: 9.79 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VU023687.D

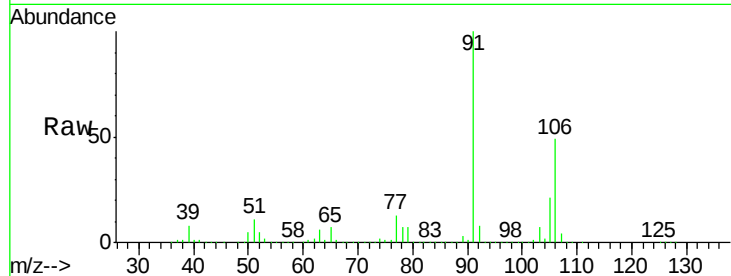
Acq: 06 May 2018 13:15

Tgt Ion:104 Resp: 337830

Ion Ratio Lower Upper

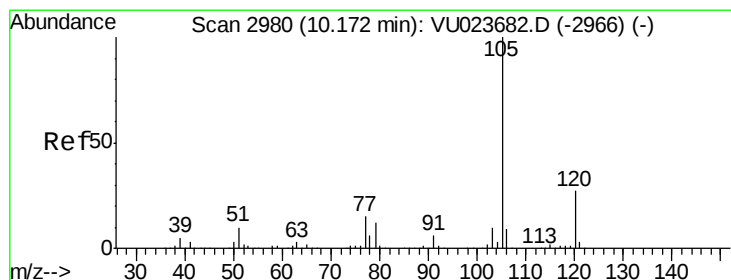
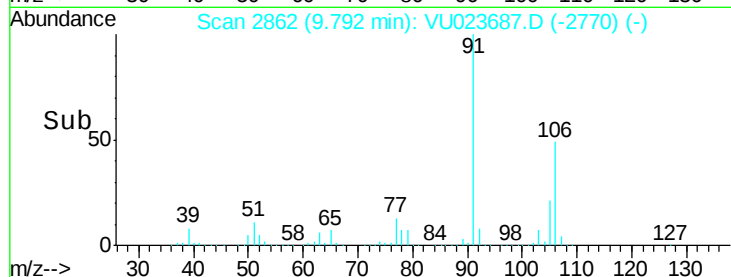
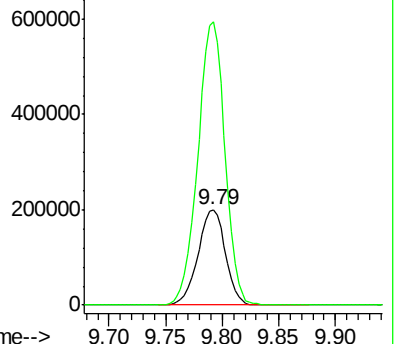
104 100

78 295.3 32.1 59.7#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0



#56

Isopropylbenzene

Concen: 290.78 ug/L

RT: 10.17 min Scan# 2981

Delta R.T. 0.00 min

Lab File: VU023687.D

Acq: 06 May 2018 13:15

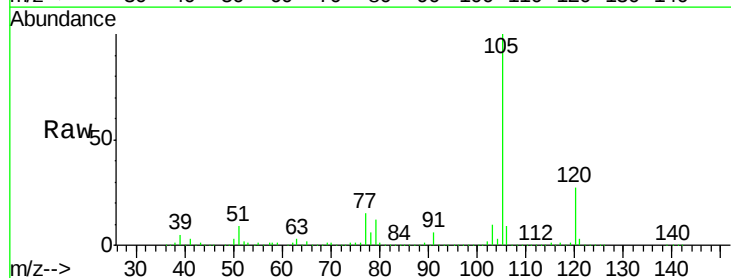
Tgt Ion:105 Resp: 4400216

Ion Ratio Lower Upper

105 100

120 26.7 20.9 31.3

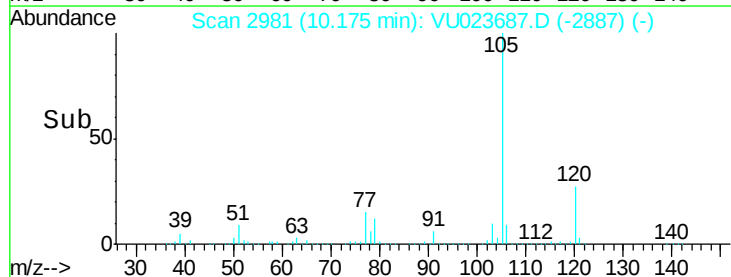
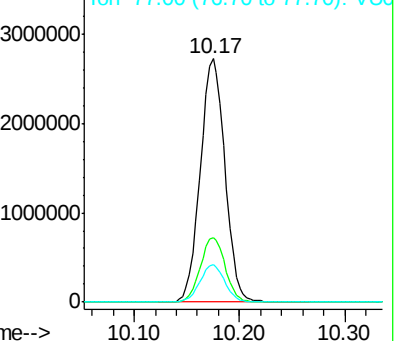
77 15.4 12.6 18.8

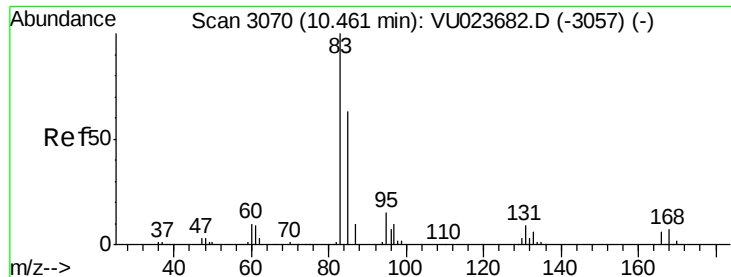


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VU0





#58

1,1,2,2-Tetrachloroethane

Concen: 3.58 ug/L

RT: 10.46 min Scan# 3071

Delta R.T. 0.00 min

Lab File: VU023687.D

Acq: 06 May 2018 13:15

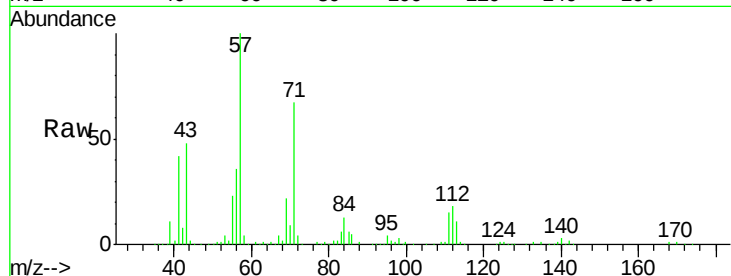
Tgt Ion: 83 Resp: 20328

Ion Ratio Lower Upper

83 100

85 96.1 45.6 84.6#

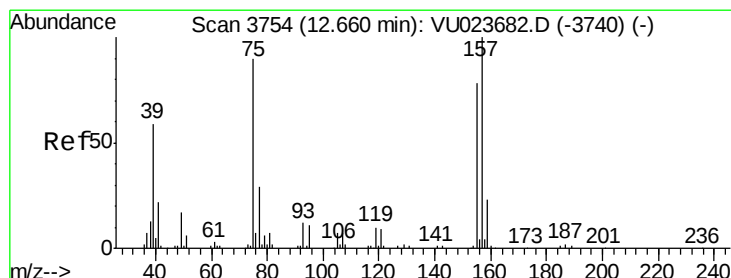
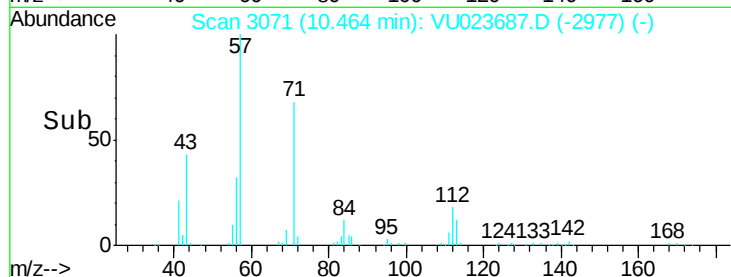
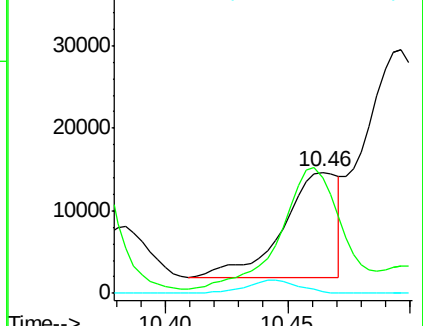
131 1.9 7.9 11.9#



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0

Ion 131.00 (130.70 to 131.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 11.66 ug/L

RT: 12.65 min Scan# 3752

Delta R.T. -0.01 min

Lab File: VU023687.D

Acq: 06 May 2018 13:15

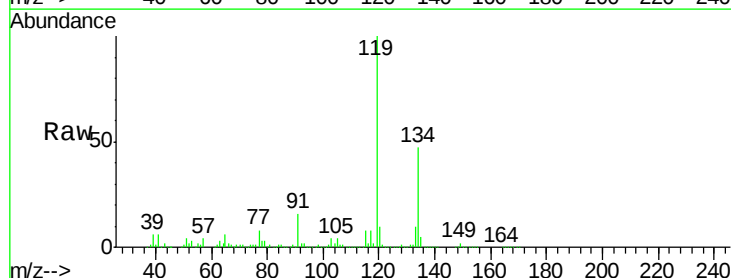
Tgt Ion: 75 Resp: 13847

Ion Ratio Lower Upper

75 100

155 4.1 68.9 103.3#

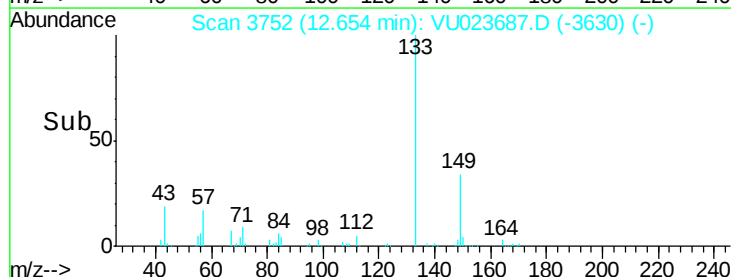
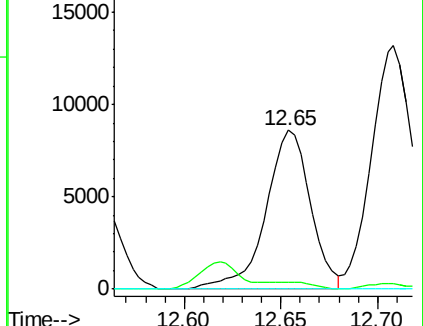
157 0.0 89.9 134.9#

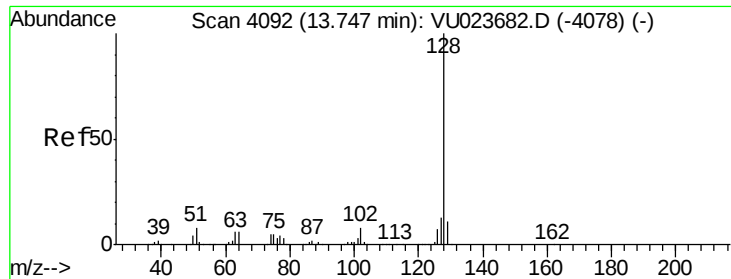


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#69

Naphthalene

Concen: 113.85 ug/L

RT: 13.75 min Scan# 4092

Delta R.T. -0.00 min

Lab File: VU023687.D

Acq: 06 May 2018 13:15

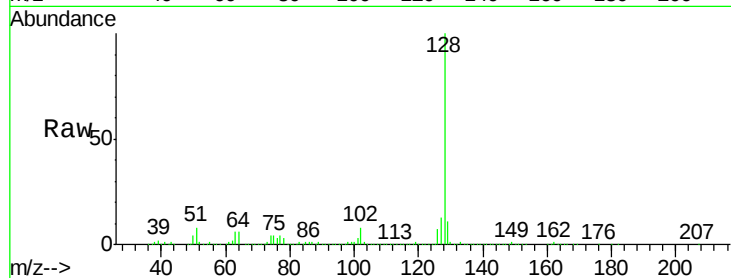
Tgt Ion:128 Resp: 1699670

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

129 11.1 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V
 1500000 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

