

Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU050618\
 Data File : VU023693.D
 Acq On : 06 May 2018 16:23
 Operator : MD/SY
 Sample : J2691-22ME
 Misc : 2.94g/5.0mL/100ul/5.0mL/MSVOA_U/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 07 00:53:01 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	414018	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.10	117	403549	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	219379	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	111621	38.04	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.08%
7) Chloroethane-d5	1.64	69	53240	23.80	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	47.60%#
11) 1,1-Dichloroethene-d2	2.23	63	150735	26.35	ug/L	-0.05
Spiked Amount	50.000	Range	60 - 125	Recovery	=	52.70%#
21) 2-Butanone-d5	4.20	46	235944	116.38	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.38%
24) Chloroform-d	4.65	84	189440	39.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.08%
26) 1,2-Dichloroethane-d4	5.31	65	135856	40.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.50%
32) Benzene-d6	5.34	84	434729	40.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	80.30%
36) 1,2-Dichloropropane-d6	6.33	67	145586	40.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	80.28%
41) Toluene-d8	7.57	98	448045	44.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.78%
43) trans-1,3-Dichloropropene-	7.86	79	61033	39.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.18%
47) 2-Hexanone-d5	8.33	63	192729	139.94	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	139.94%#
57) 1,1,2,2-Tetrachloroethane-	10.44	84	223696	47.69	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.38%
64) 1,2-Dichlorobenzene-d4	11.87	152	182686	42.69	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.38%

Target Compounds

						Qvalue
13) Acetone	2.35	43	5969	1.98	ug/L	73
25) Chloroform	4.67	83	8662	1.29	ug/L	97
29) Cyclohexane	4.98	56	236793	39.70	ug/L #	83
35) Methylcyclohexane	6.41	83	1707966	299.70	ug/L	98
37) 1,2-Dichloropropane	6.41	63	13583	3.33	ug/L #	25
38) Bromodichloromethane	6.73	83	11578	2.52	ug/L #	1
40) 4-Methyl-2-pentanone	7.53	43	83715	16.82	ug/L #	49
45) 1,1,2-Trichloroethane	8.05	97	189626	54.76	ug/L #	18
48) 2-Hexanone	8.33	43	270311	62.37	ug/L #	25
53) m,p-Xylene	9.26	106	7275852	1193.94	ug/L	96
54) o-xylene	9.79	106	6897358	1194.63	ug/L	94
55) Styrene	9.79	104	341261	33.79	ug/L #	1
56) Isopropylbenzene	10.17	105	601648	39.70	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.47	83	17116	3.01	ug/L #	95
59) 1,2,3-Trichloropropane	10.60	75	5878	1.31	ug/L #	1
66) 1,2-Dibromo-3-chloropropan	12.66	75	56270	47.89	ug/L #	1
69) Naphthalene	13.75	128	5985376	405.28	ug/L	100

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Quant Title : VOC Analysis
QLast Update : Mon May 07 00:51:10 2018
Response via : Initial Calibration

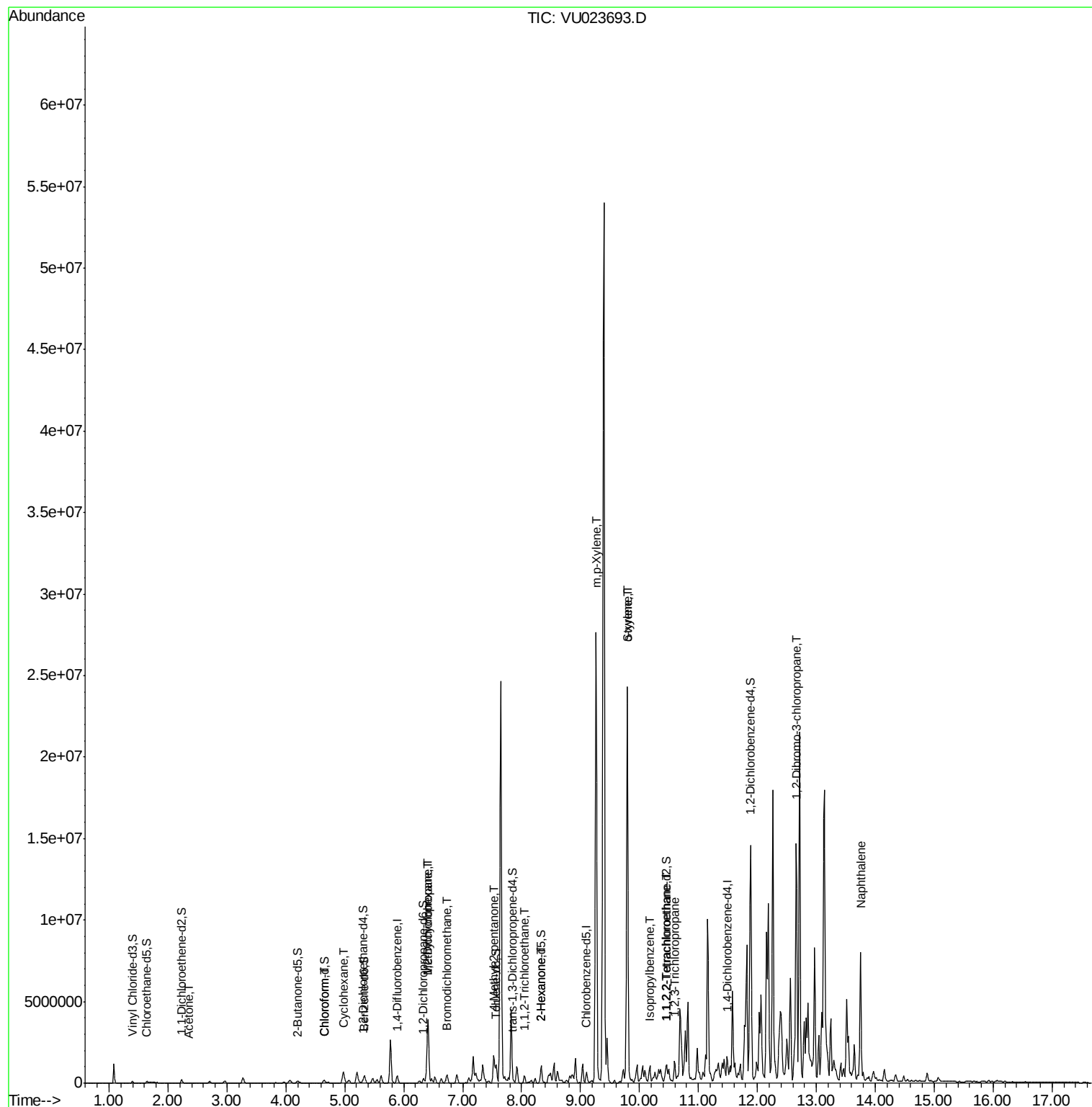
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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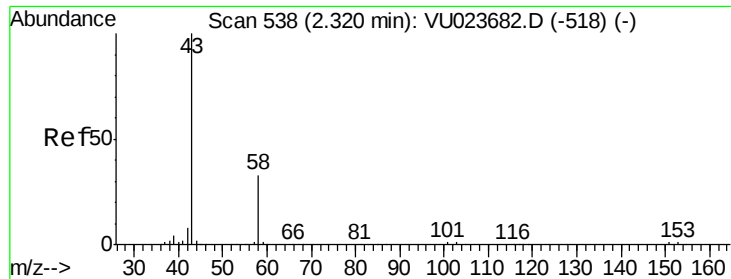
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.98 ug/L

RT: 2.35 min Scan# 547

Delta R.T. 0.03 min

Lab File: VU023693.D

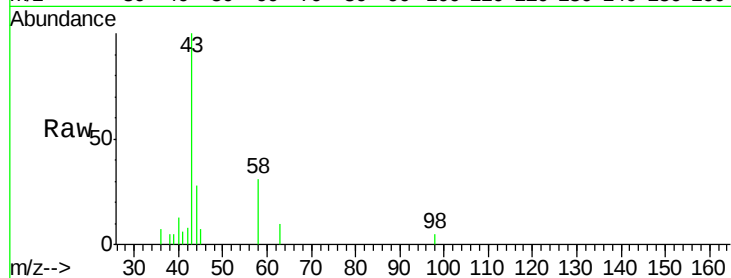
Acq: 06 May 2018 16:23

Tgt Ion: 43 Resp: 5969

Ion Ratio Lower Upper

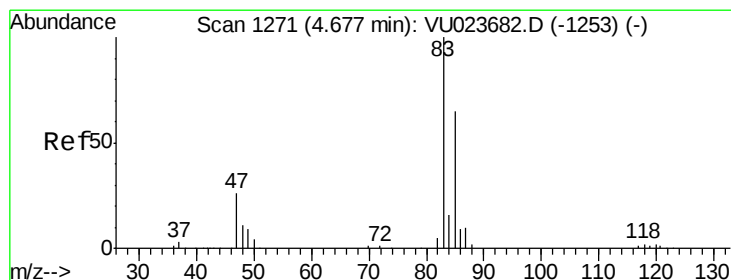
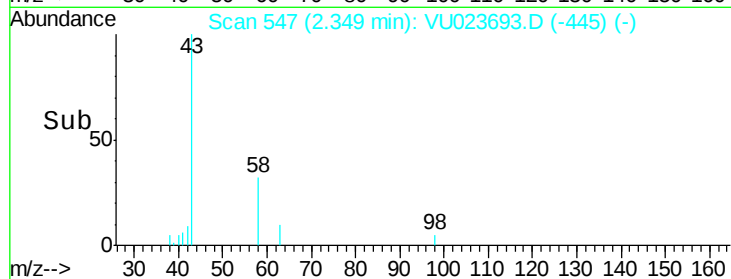
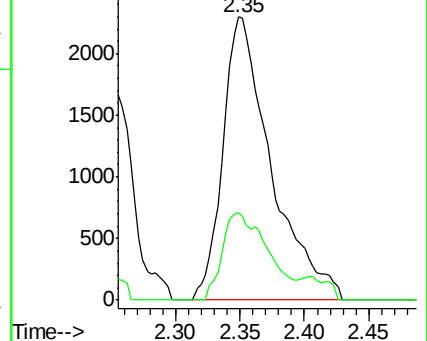
43 100

58 17.3 0.0 64.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#25

Chloroform

Concen: 1.29 ug/L

RT: 4.67 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VU023693.D

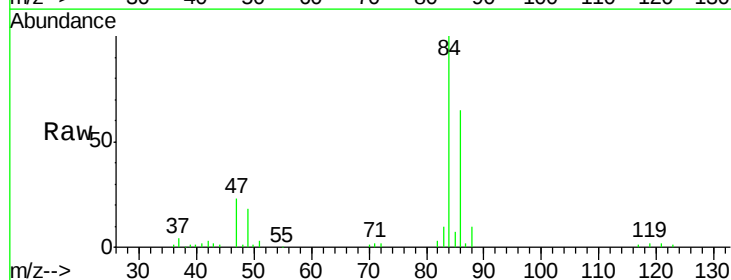
Acq: 06 May 2018 16:23

Tgt Ion: 83 Resp: 8662

Ion Ratio Lower Upper

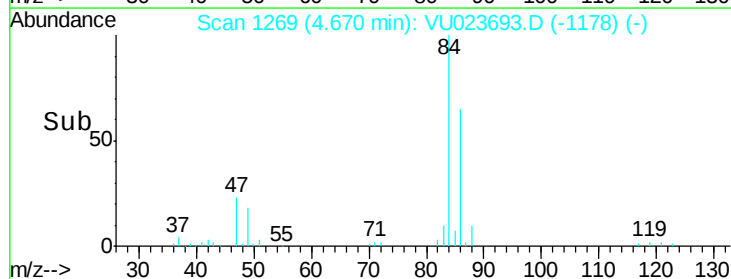
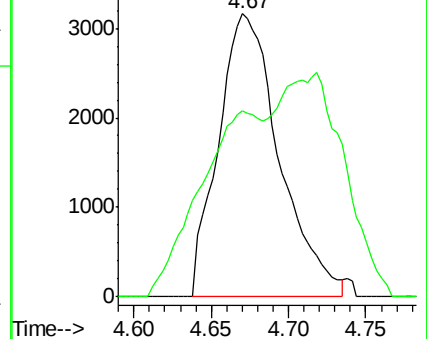
83 100

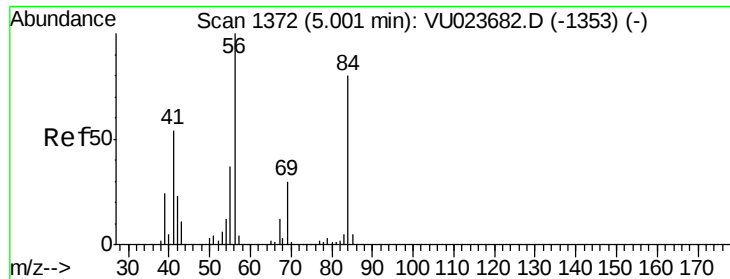
85 65.5 44.4 82.5



Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0





#29

Cyclohexane

Concen: 39.70 ug/L

RT: 4.98 min Scan# 1365

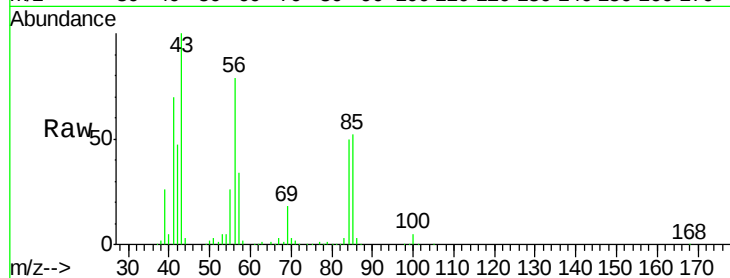
Delta R.T. -0.02 min

Lab File: VU023693.D

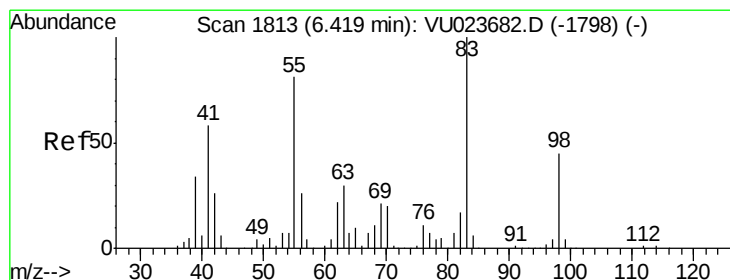
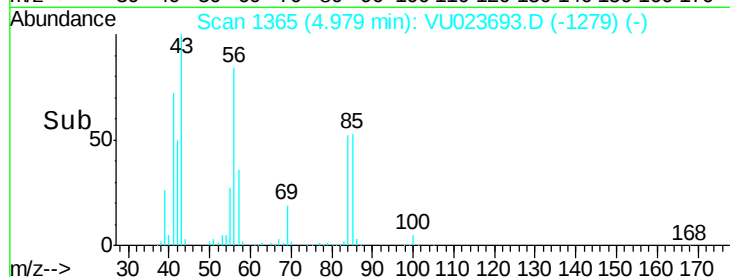
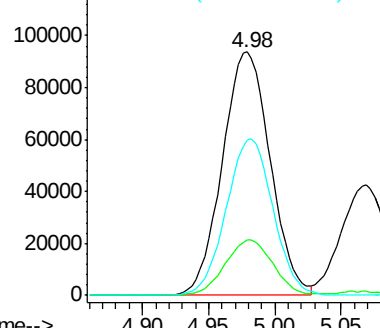
Acq: 06 May 2018 16:23

Tgt Ion: 56 Resp: 236793

Ion	Ratio	Lower	Upper
56	100		
69	22.8	23.5	35.3#
84	62.7	63.8	95.8#



Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0



#35

Methylcyclohexane

Concen: 299.70 ug/L

RT: 6.41 min Scan# 1811

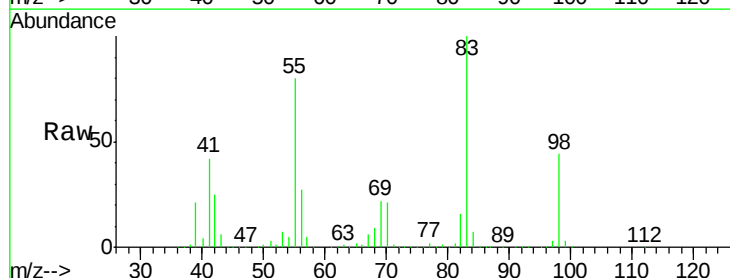
Delta R.T. -0.01 min

Lab File: VU023693.D

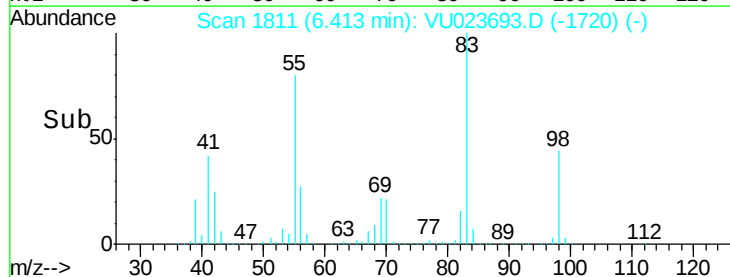
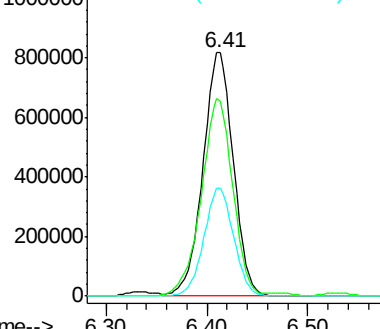
Acq: 06 May 2018 16:23

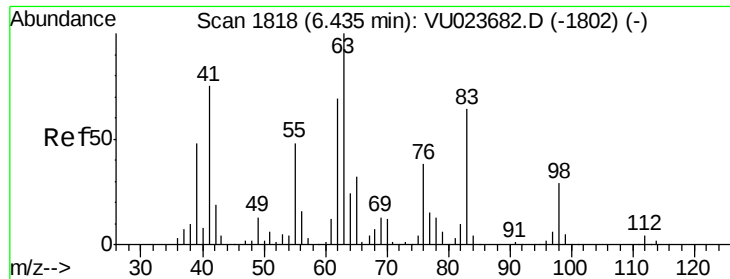
Tgt Ion: 83 Resp: 1707966

Ion	Ratio	Lower	Upper
83	100		
55	84.2	66.7	100.1
98	43.5	36.6	54.8



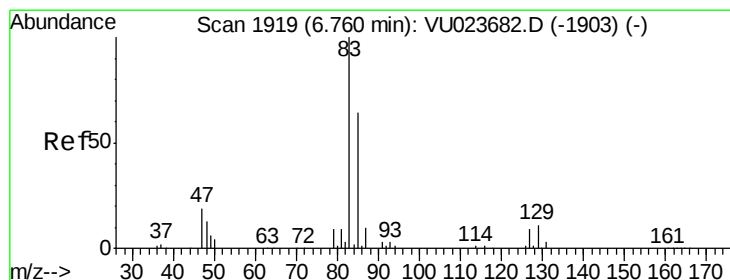
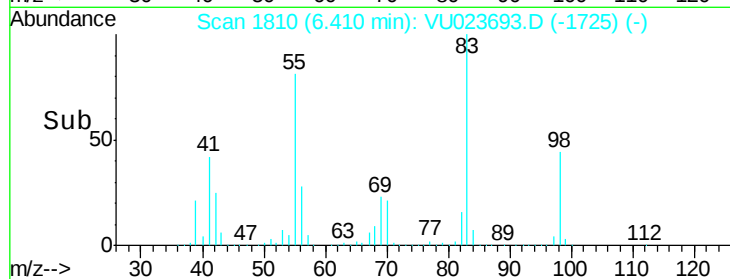
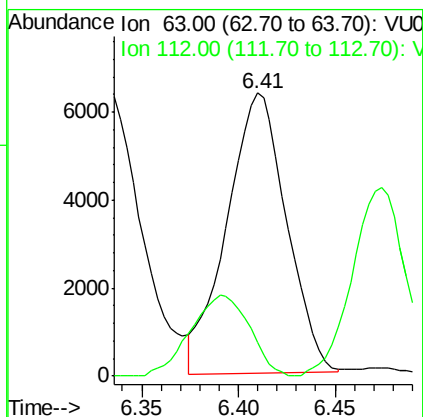
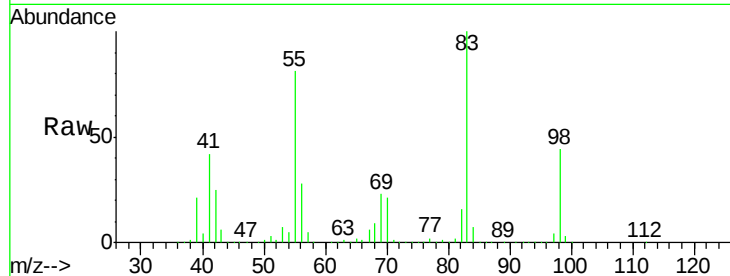
Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0





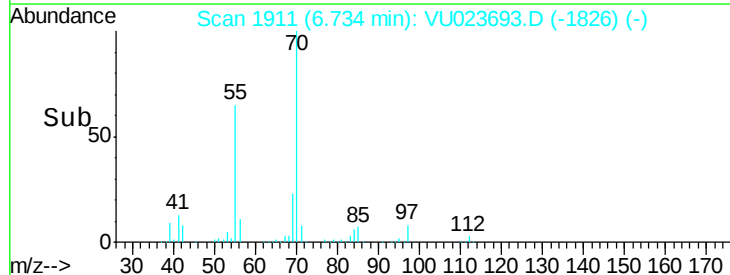
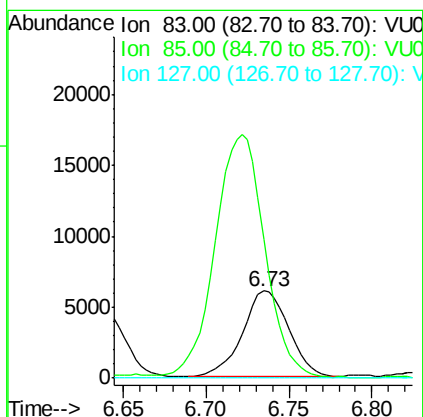
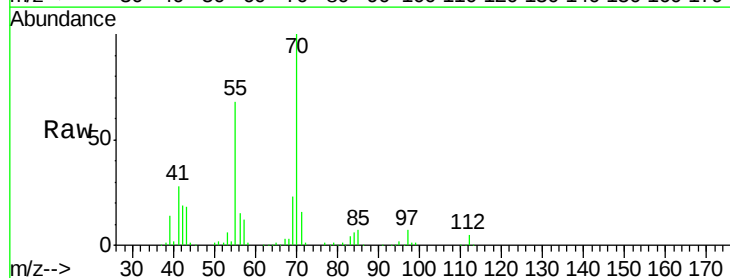
#37
 1,2-Dichloropropane
 Concen: 3.33 ug/L
 RT: 6.41 min Scan# 1810
 Delta R.T. -0.03 min
 Lab File: VU023693.D
 Acq: 06 May 2018 16:23

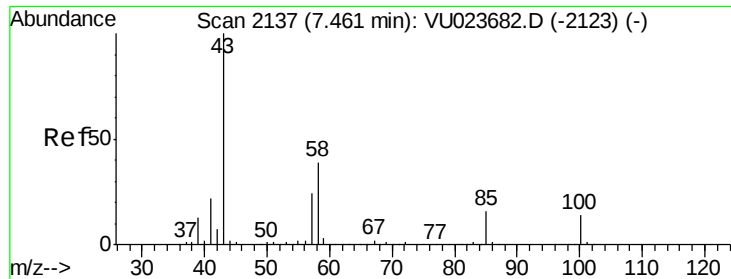
Tgt Ion: 63 Resp: 13583
 Ion Ratio Lower Upper
 63 100
 112 28.7 3.1 4.7#



#38
 Bromodichloromethane
 Concen: 2.52 ug/L
 RT: 6.73 min Scan# 1911
 Delta R.T. -0.03 min
 Lab File: VU023693.D
 Acq: 06 May 2018 16:23

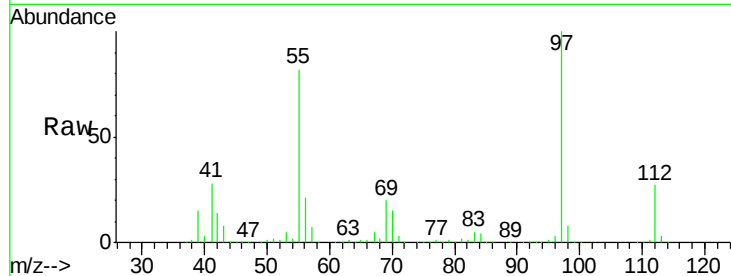
Tgt Ion: 83 Resp: 11578
 Ion Ratio Lower Upper
 83 100
 85 159.3 45.1 83.7#
 127 0.0 6.9 10.3#



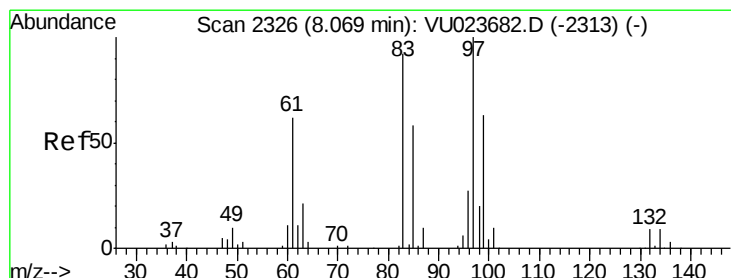
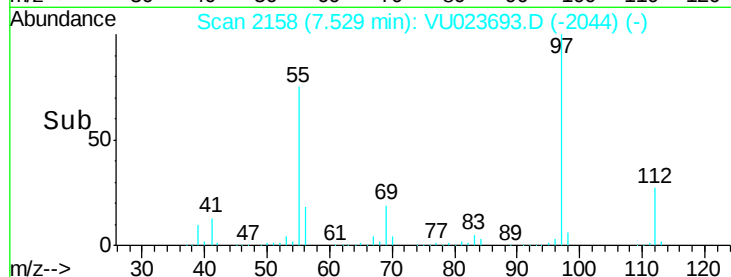
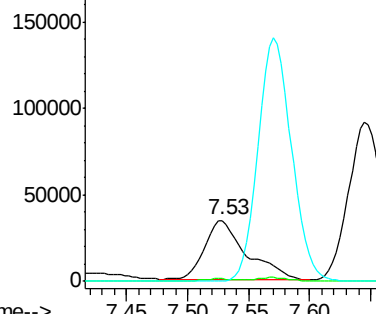


#40
4-Methyl-2-pentanone
Concen: 16.82 ug/L
RT: 7.53 min Scan# 2158
Delta R.T. 0.07 min
Lab File: VU023693.D
Acq: 06 May 2018 16:23

Tgt Ion: 43 Resp: 83715
Ion Ratio Lower Upper
43 100
58 3.9 30.8 46.2#
100 0.0 10.7 16.1#

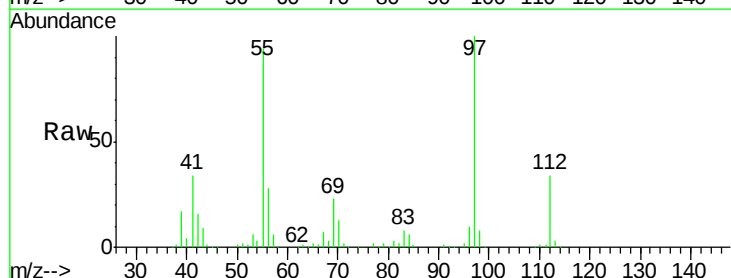


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 100.00 (99.70 to 100.70): VU0

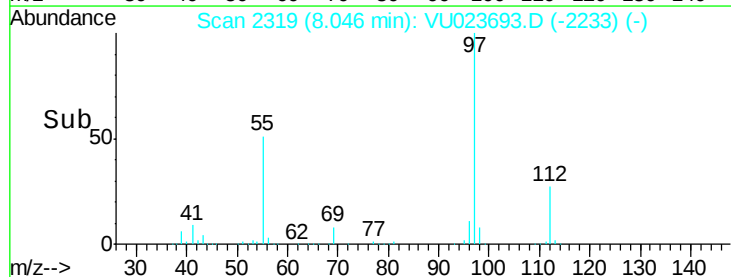
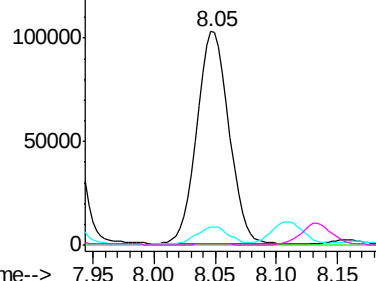


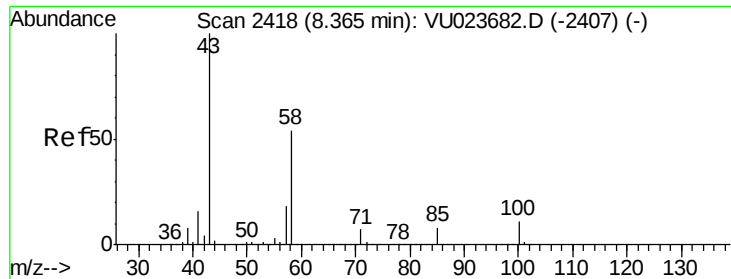
#45
1,1,2-Trichloroethane
Concen: 54.76 ug/L
RT: 8.05 min Scan# 2319
Delta R.T. -0.02 min
Lab File: VU023693.D
Acq: 06 May 2018 16:23

Tgt Ion: 97 Resp: 189626
Ion Ratio Lower Upper
97 100
99 0.3 44.2 82.2#
83 8.4 63.1 117.1#
85 0.6 40.3 74.8#



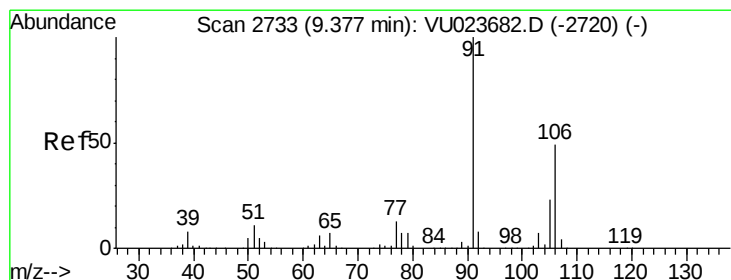
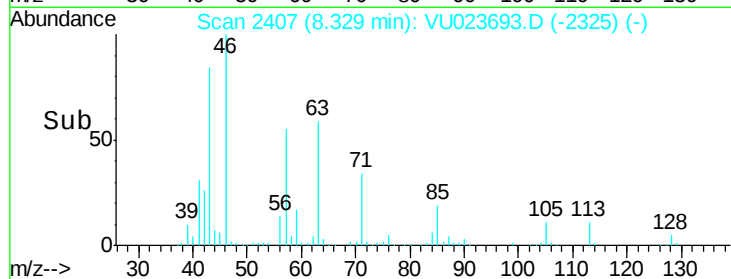
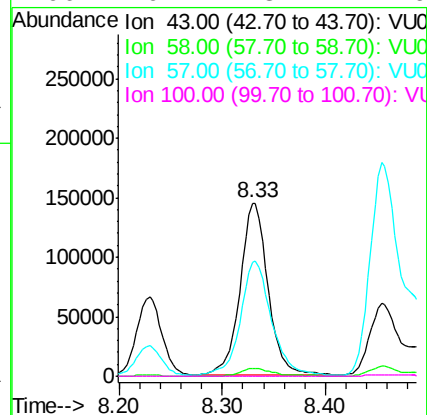
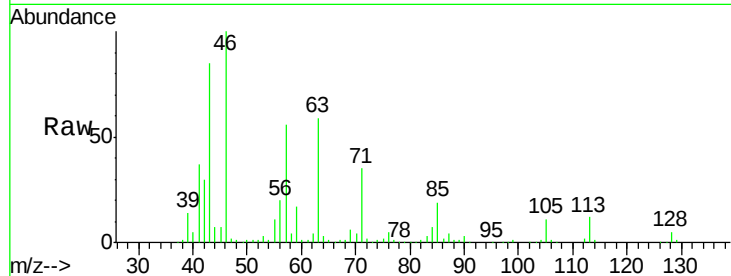
Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 83.00 (82.70 to 83.70): VU0
Ion 85.00 (84.70 to 85.70): VU0





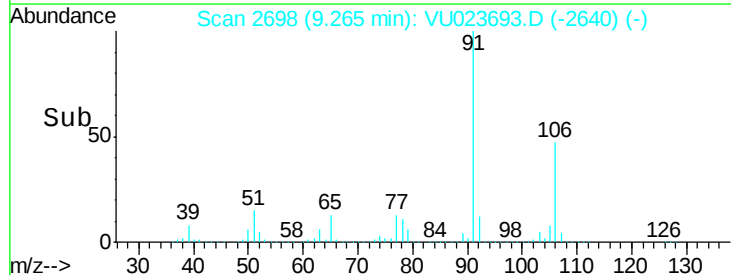
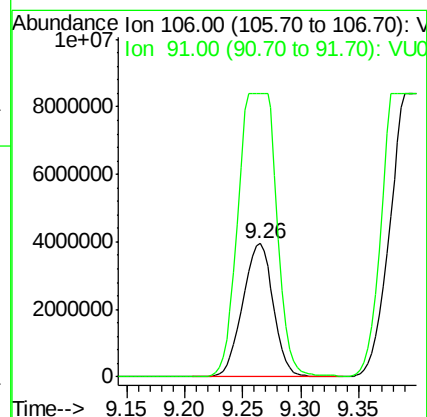
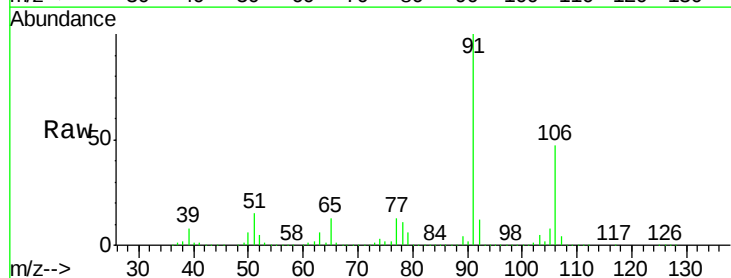
#48
2-Hexanone
Concen: 62.37 ug/L
RT: 8.33 min Scan# 2407
Delta R.T. -0.04 min
Lab File: VU023693.D
Acq: 06 May 2018 16:23

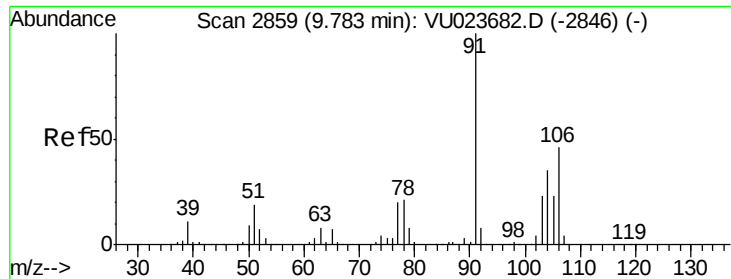
Tgt Ion: 43 Resp: 270311
Ion Ratio Lower Upper
43 100
58 5.2 43.0 64.6#
57 73.2 14.6 22.0#
100 0.1 8.4 12.6#



#53
m,p-Xylene
Concen: 1193.94 ug/L
RT: 9.26 min Scan# 2698
Delta R.T. -0.11 min
Lab File: VU023693.D
Acq: 06 May 2018 16:23

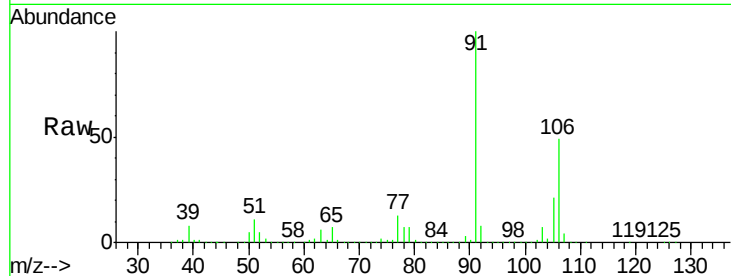
Tgt Ion: 106 Resp: 7275852
Ion Ratio Lower Upper
106 100
91 211.9 144.1 267.5



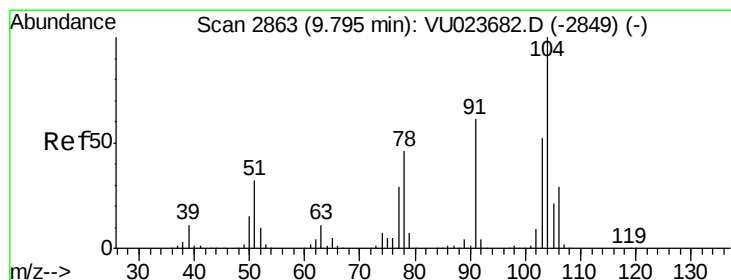
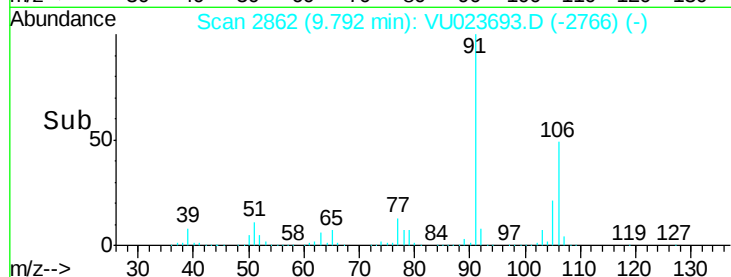
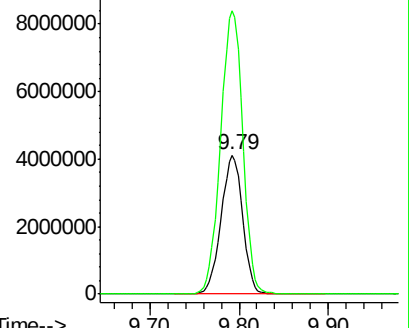


#54
o-xylene
Concen: 1194.63 ug/L
RT: 9.79 min Scan# 2862
Delta R.T. 0.01 min
Lab File: VU023693.D
Acq: 06 May 2018 16:23

Tgt Ion:106 Resp: 6897358
Ion Ratio Lower Upper
106 100
91 203.6 148.9 276.5

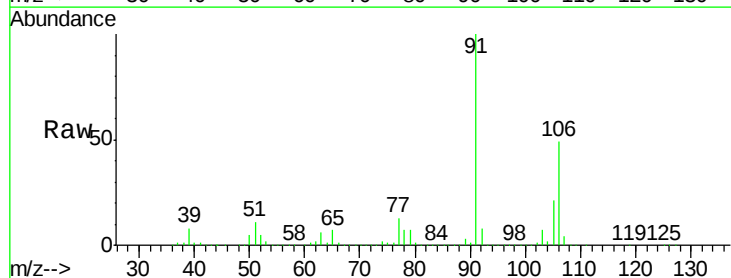


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

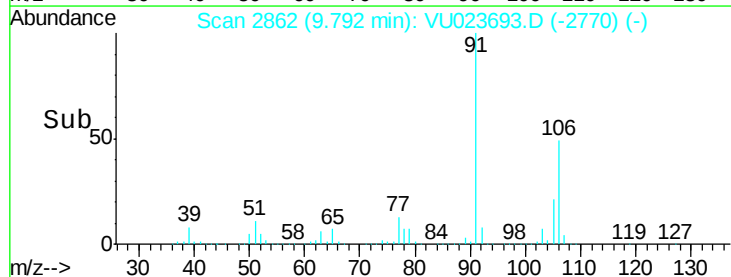
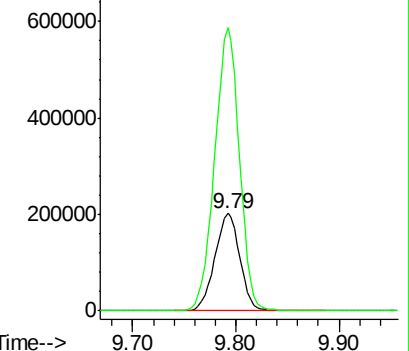


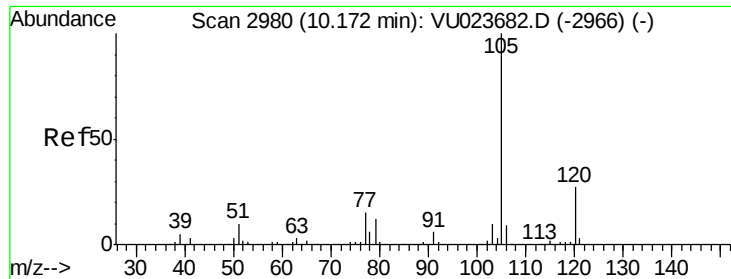
#55
Styrene
Concen: 33.79 ug/L
RT: 9.79 min Scan# 2862
Delta R.T. -0.00 min
Lab File: VU023693.D
Acq: 06 May 2018 16:23

Tgt Ion:104 Resp: 341261
Ion Ratio Lower Upper
104 100
78 290.6 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: 39.70 ug/L

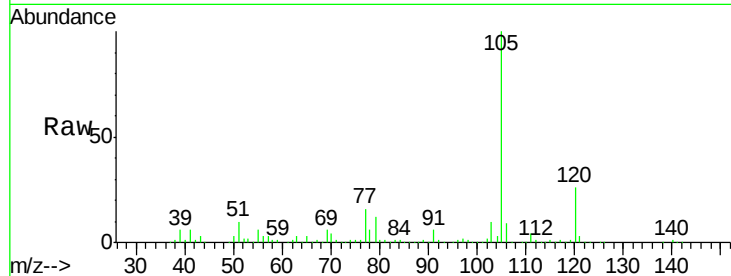
RT: 10.17 min Scan# 2981

Delta R.T. 0.00 min

Lab File: VU023693.D

Acq: 06 May 2018 16:23

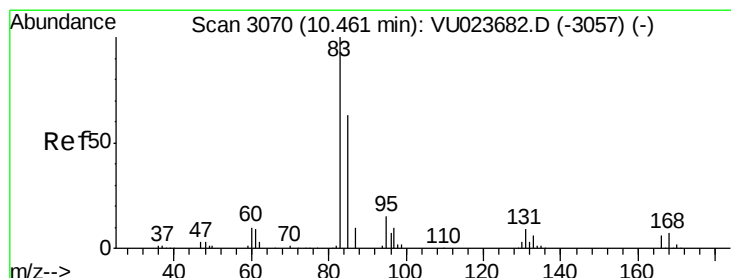
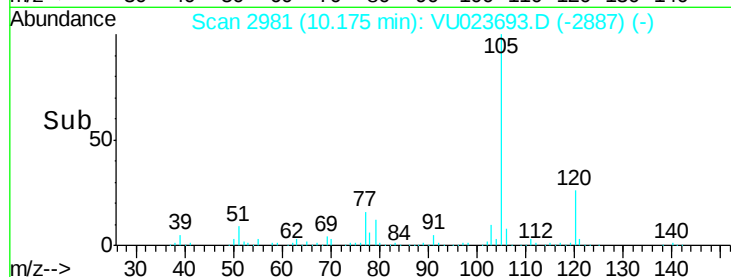
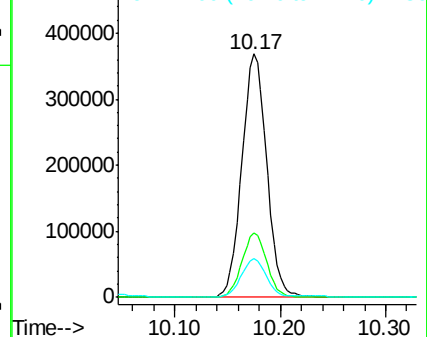
Tgt Ion:	105	Resp:	601648
Ion	Ratio	Lower	Upper
105	100		
120	26.4	20.9	31.3
77	15.7	12.6	18.8



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 3.01 ug/L

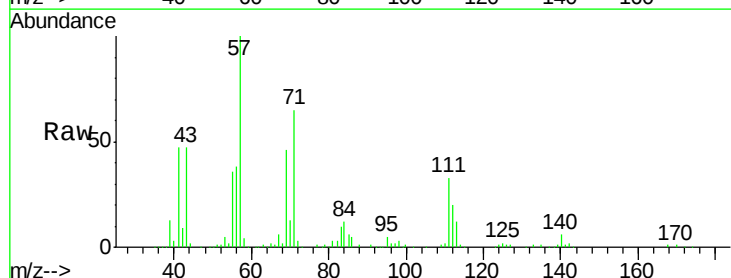
RT: 10.47 min Scan# 3072

Delta R.T. 0.01 min

Lab File: VU023693.D

Acq: 06 May 2018 16:23

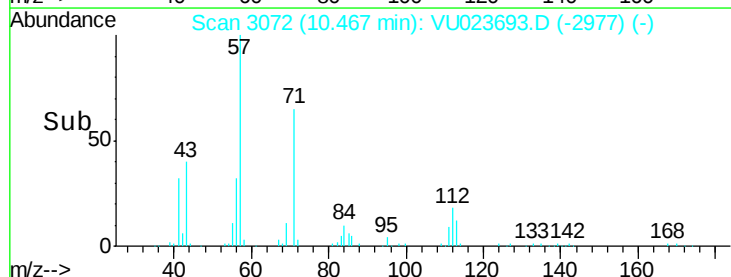
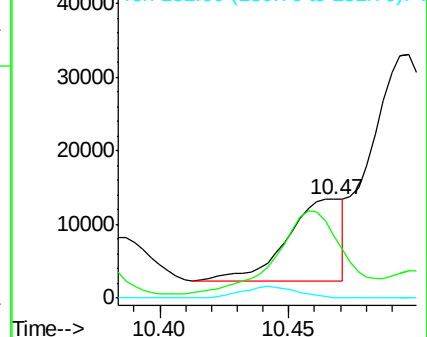
Tgt Ion:	83	Resp:	17116
Ion	Ratio	Lower	Upper
83	100		
85	63.9	45.6	84.6
131	0.9	7.9	11.9#

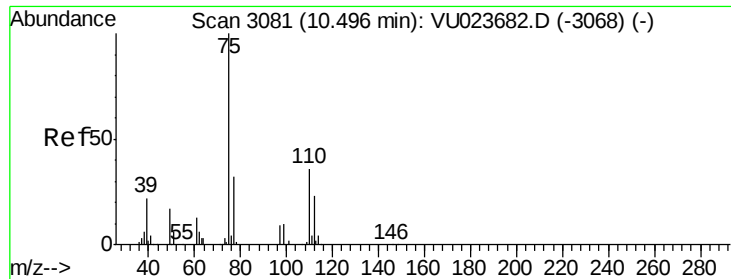


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 1.31 ug/L

RT: 10.60 min Scan# 3112

Delta R.T. 0.10 min

Lab File: VU023693.D

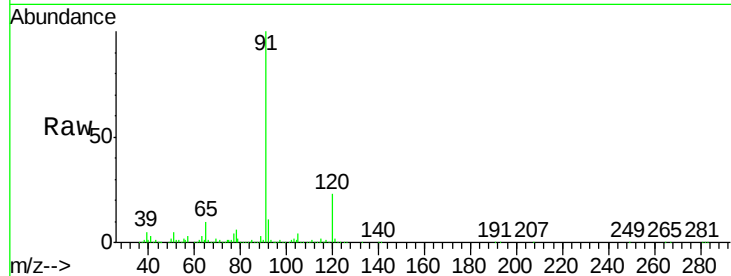
Acq: 06 May 2018 16:23

Tgt Ion: 75 Resp: 5878

Ion Ratio Lower Upper

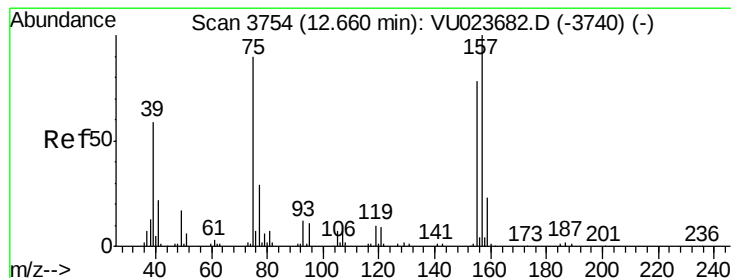
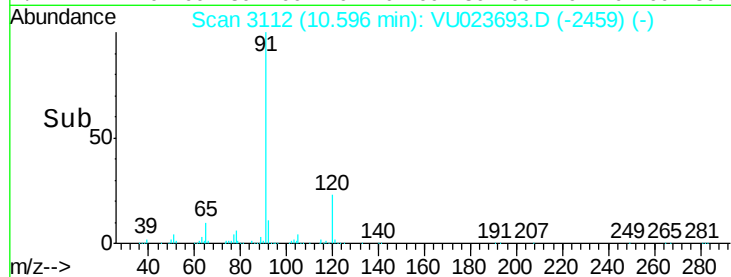
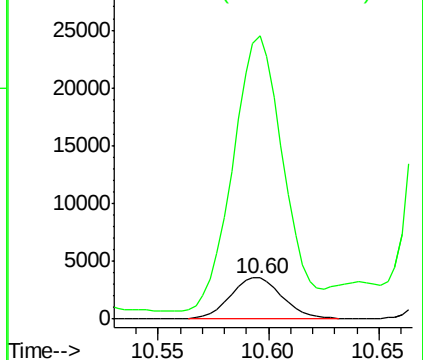
75 100

77 644.4 25.9 38.9#



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: 47.89 ug/L

RT: 12.66 min Scan# 3754

Delta R.T. -0.00 min

Lab File: VU023693.D

Acq: 06 May 2018 16:23

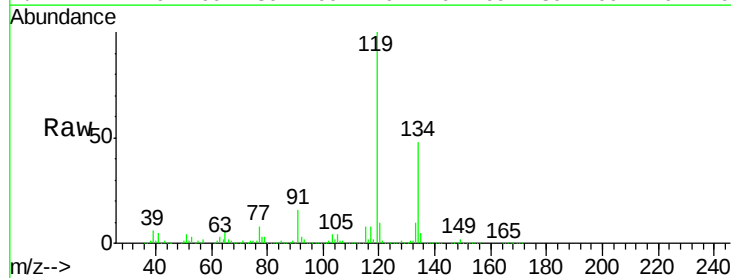
Tgt Ion: 75 Resp: 56270

Ion Ratio Lower Upper

75 100

155 2.5 68.9 103.3#

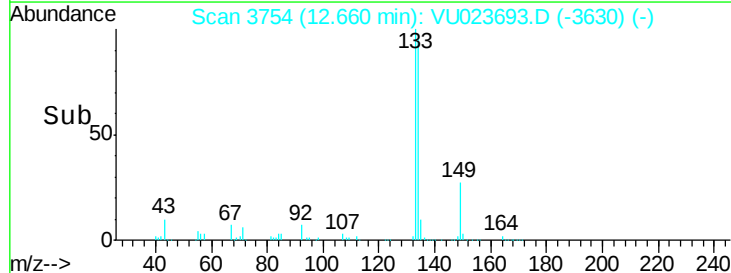
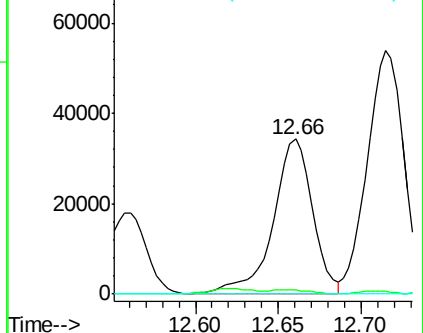
157 0.0 89.9 134.9#

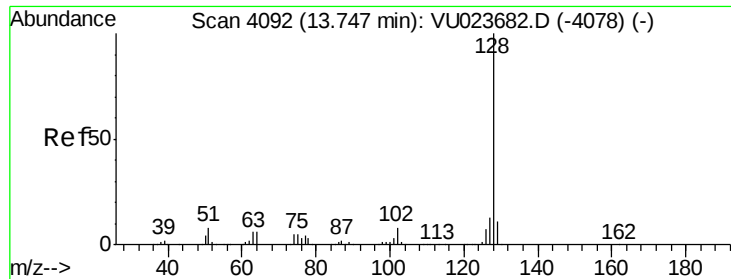


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#69

Naphthalene

Concen: 405.28 ug/L

RT: 13.75 min Scan# 4093

Delta R.T. 0.00 min

Lab File: VU023693.D

Acq: 06 May 2018 16:23

Tgt Ion:128 Resp: 5985376

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

129 10.9 8.6 13.0

