

Data File : VU023561.D
Acq On : 01 May 2018 18:30
Operator : MD/SY
Sample : J2621-02MS
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 02 03:15:57 2018
Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 02 03:12:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	347645	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	325198	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	163572	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	102308	41.52	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.04%
7) Chloroethane-d5	1.68	69	80683	42.96	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	85.92%
11) 1,1-Dichloroethene-d2	2.27	63	211300	43.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.98%
21) 2-Butanone-d5	4.18	46	182082	106.96	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	106.96%
24) Chloroform-d	4.65	84	193150	47.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.80%
26) 1,2-Dichloroethane-d4	5.31	65	130184	45.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.88%
32) Benzene-d6	5.35	84	404697	46.38	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.76%
36) 1,2-Dichloropropane-d6	6.33	67	141407	48.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.78%
41) Toluene-d8	7.57	98	371823	46.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.44%
43) trans-1,3-Dichloropropene-	7.85	79	60347	47.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.94%
47) 2-Hexanone-d5	8.31	63	136719	123.19	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	123.19%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	185474	49.06	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.12%
64) 1,2-Dichlorobenzene-d4	11.86	152	153948	48.24	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.48%

Target Compounds

						Qvalue
12) 1,1-Dichloroethene	2.28	96	110105	43.40	ug/L	97
13) Acetone	2.32	43	27661	10.94	ug/L	100
15) Methyl Acetate	2.62	43	16834	5.02	ug/L	96
16) Methylene chloride	2.70	84	411341	129.89	ug/L	99
20) cis-1,2-Dichloroethene	4.23	96	29806	9.67	ug/L	96
22) 2-Butanone	4.27	43	5986	2.13	ug/L	89
27) 1,2-Dichloroethane	5.40	62	5125	1.22	ug/L #	75
30) 1,1,1-Trichloroethane	4.92	97	144056	34.97	ug/L	100
31) Carbon tetrachloride	4.92	117	19517	5.45	ug/L	96
33) Benzene	5.39	78	500521	43.68	ug/L	100
34) Trichloroethene	6.19	95	1630665	555.37	ug/L	99
42) Toluene	7.64	91	543009	45.72	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	5385	1.93	ug/L	96
48) 2-Hexanone	8.31	43	16954	4.85	ug/L #	65
51) Chlorobenzene	9.12	112	331834	41.93	ug/L	99
52) Ethylbenzene	9.26	91	33971	2.64	ug/L	100
53) m,p-Xylene	9.38	106	41648	8.48	ug/L	99

Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU050118\
Quantitation Report (Not Reviewed)

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Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 18 Sample Multiplier: 1

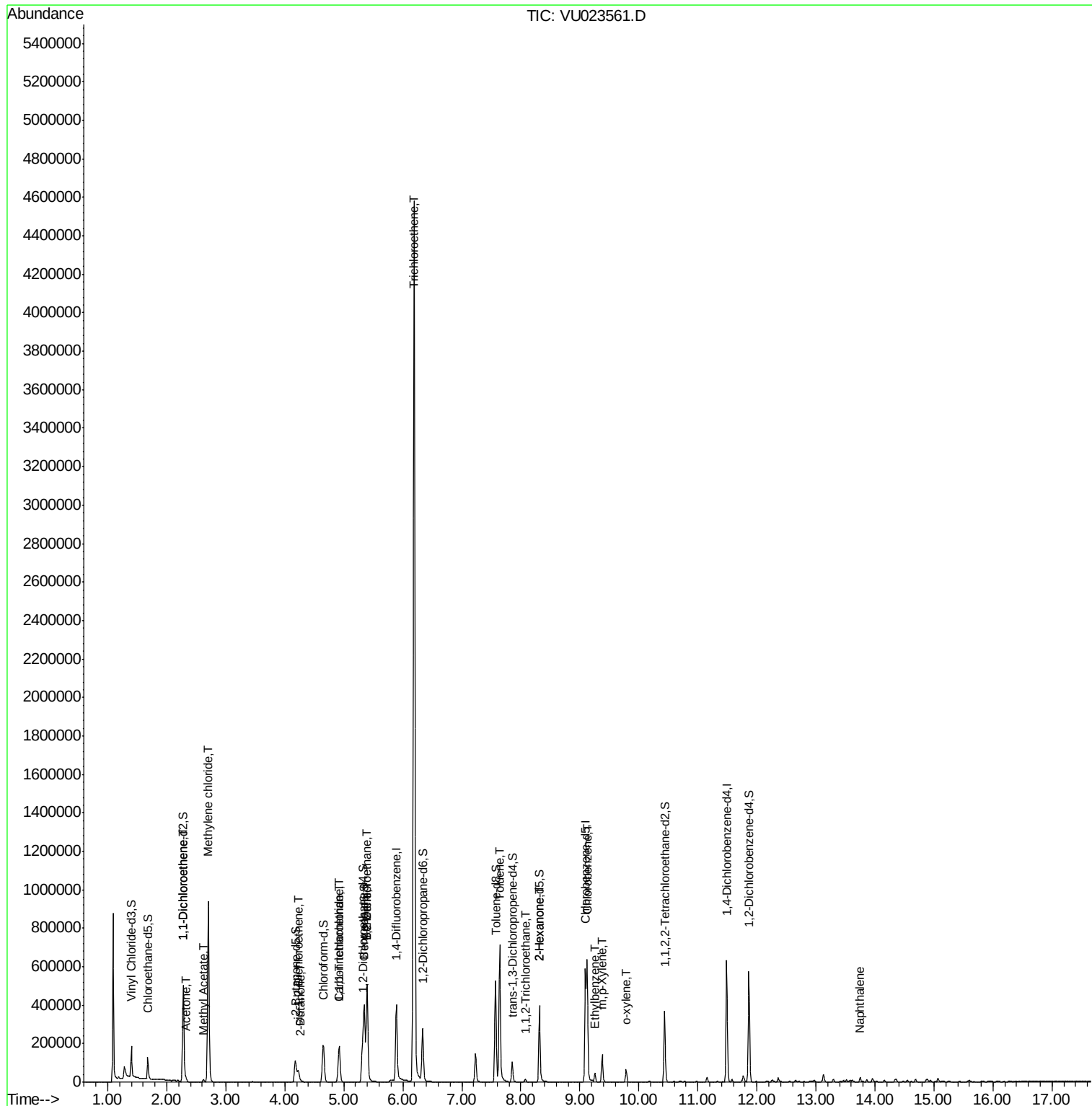
Quant Time: May 02 03:15:57 2018
Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
Quant Title : VOC Analysis
QLast Update : Wed May 02 03:12:05 2018
Response via : Initial Calibration

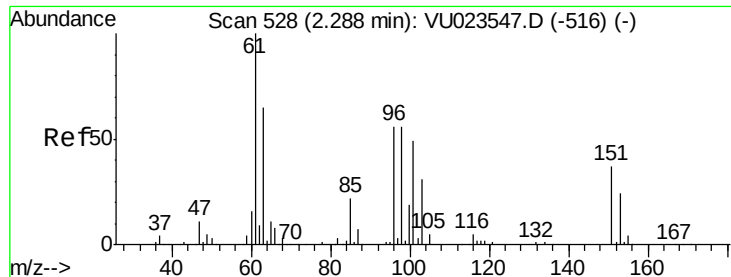
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) o-xylene	9.78	106	17271	3.71	ug/L	96
69) Naphthalene	13.75	128	17390	1.58	ug/L	98

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

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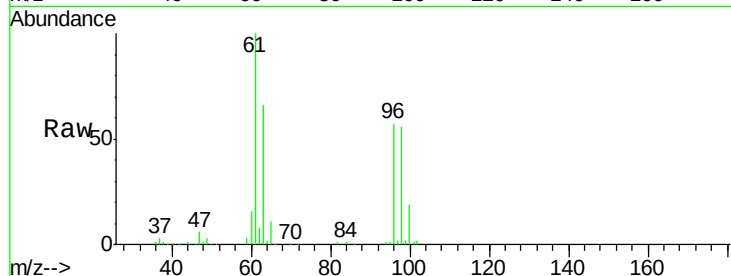
Quant Time: May 02 03:15:57 2018
Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
Quant Title : VOC Analysis
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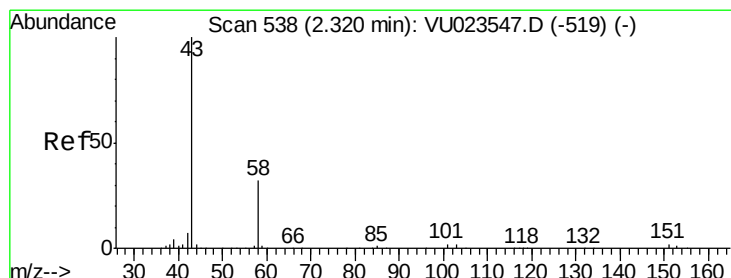
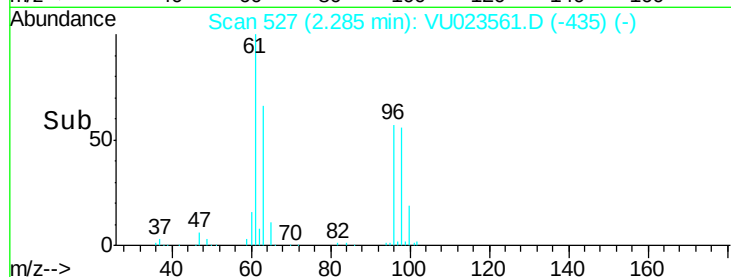
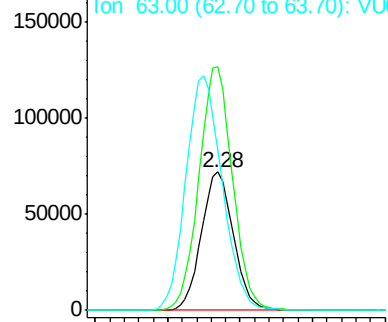


#12
 1,1-Dichloroethene
 Concen: 43.40 ug/L
 RT: 2.28 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VU023561.D
 Acq: 01 May 2018 18:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.2	125.9	233.7
63	115.9	84.8	157.6

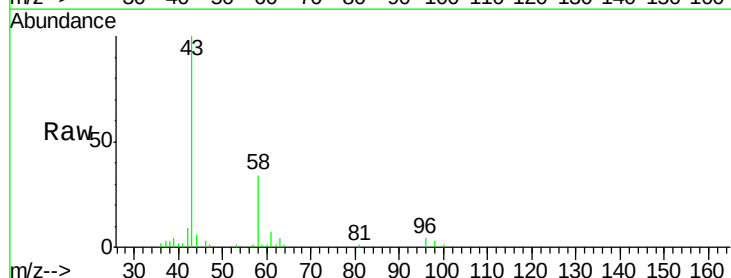


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 63.00 (62.70 to 63.70): VU0

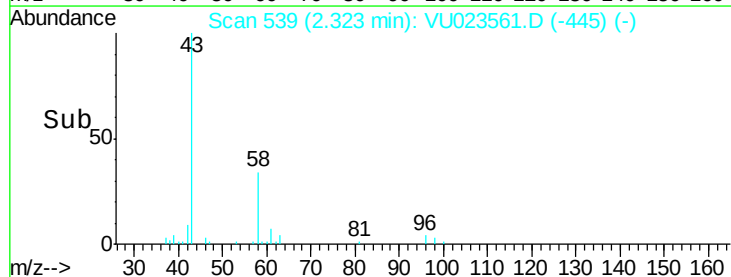
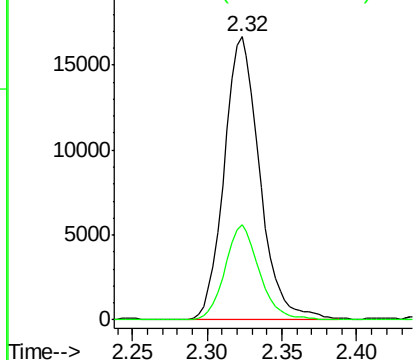


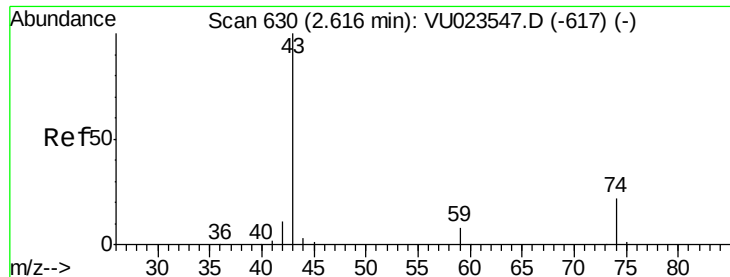
#13
 Acetone
 Concen: 10.94 ug/L
 RT: 2.32 min Scan# 539
 Delta R.T. 0.00 min
 Lab File: VU023561.D
 Acq: 01 May 2018 18:30

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.3	0.0	64.8



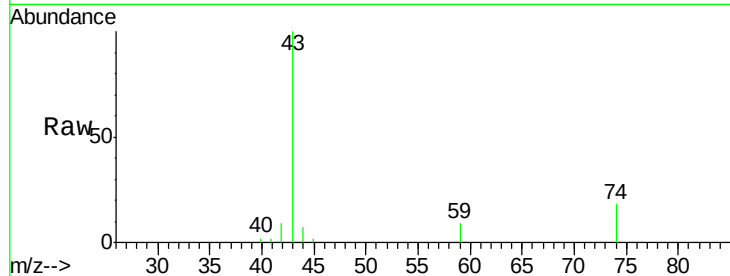
Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 58.00 (57.70 to 58.70): VU0



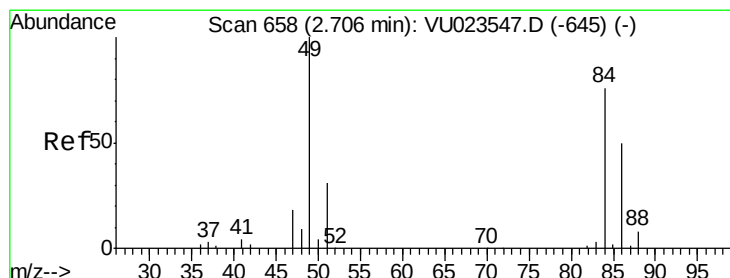
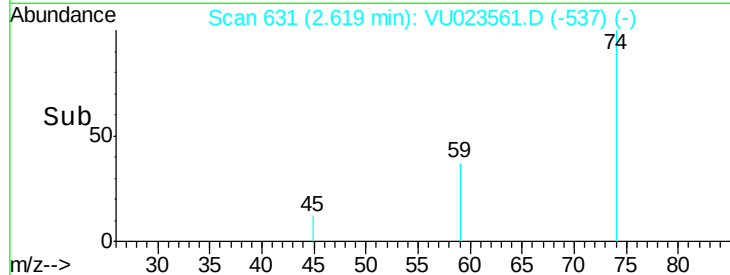
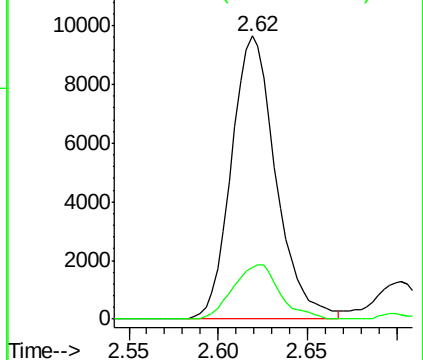


#15
Methyl Acetate
Concen: 5.02 ug/L
RT: 2.62 min Scan# 631
Delta R.T. 0.00 min
Lab File: VU023561.D
Acq: 01 May 2018 18:30

Tgt Ion: 43 Resp: 16834
Ion Ratio Lower Upper
43 100
74 20.1 17.5 26.3

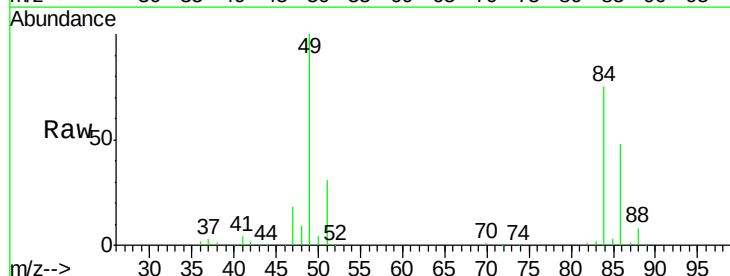


Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 74.00 (73.70 to 74.70): VU0

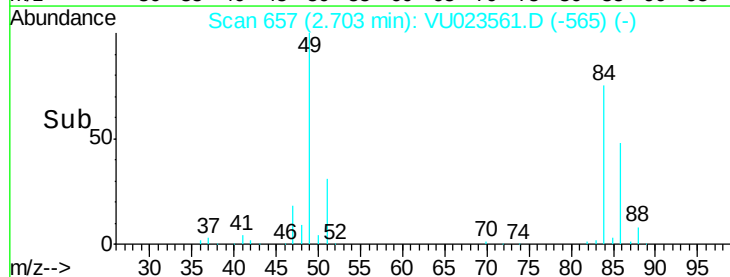
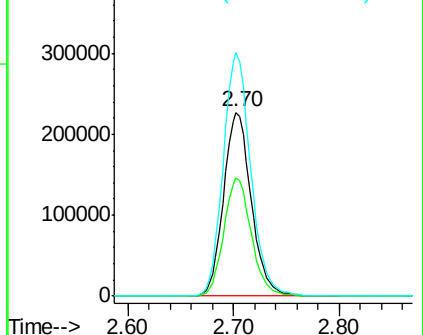


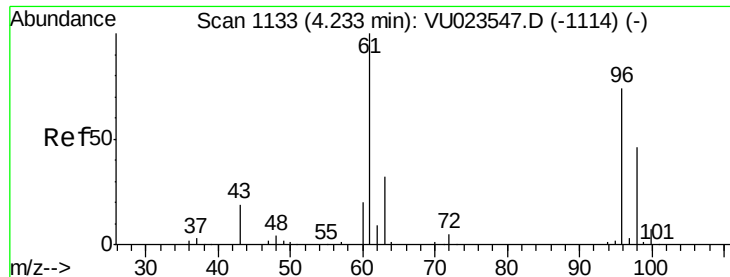
#16
Methylene chloride
Concen: 129.89 ug/L
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU023561.D
Acq: 01 May 2018 18:30

Tgt Ion: 84 Resp: 411341
Ion Ratio Lower Upper
84 100
86 64.3 45.6 84.8
49 132.5 91.9 170.7



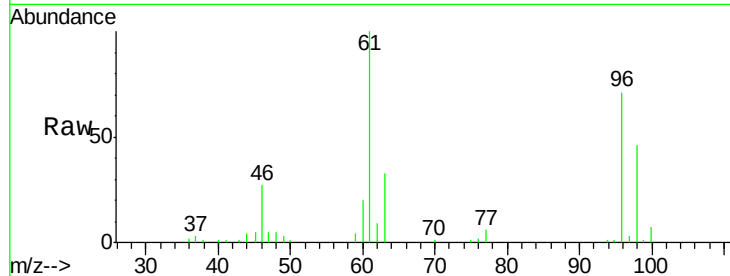
Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.00 (48.70 to 49.70): VU0



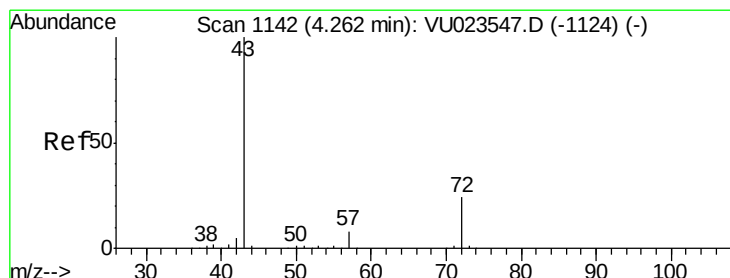
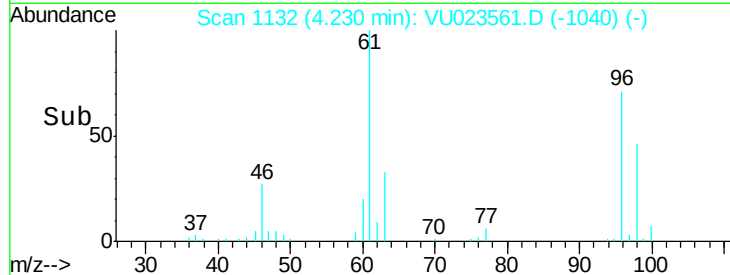
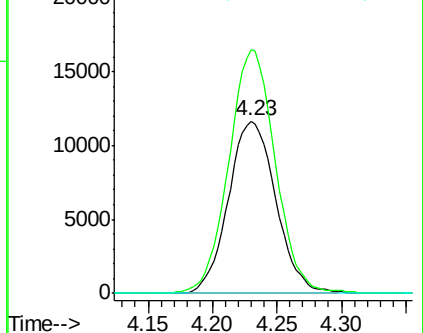


#20
 cis-1,2-Dichloroethene
 Concen: 9.67 ug/L
 RT: 4.23 min Scan# 1132
 Delta R.T. -0.00 min
 Lab File: VU023561.D
 Acq: 01 May 2018 18:30

Tgt Ion: 96 Resp: 29806
 Ion Ratio Lower Upper
 96 100
 61 141.5 95.3 177.1
 68 0.0 0.0 0.0

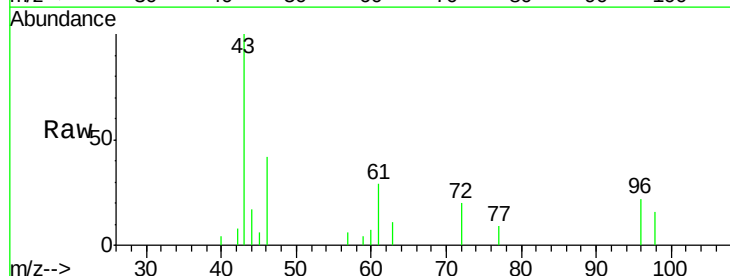


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

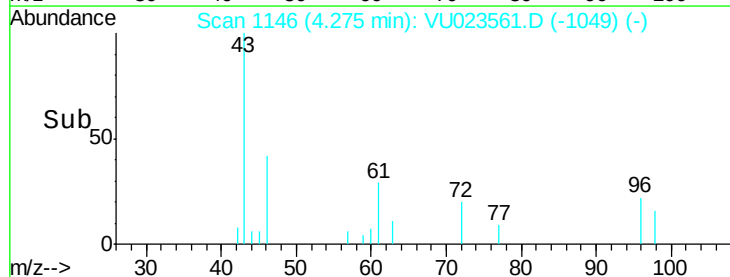
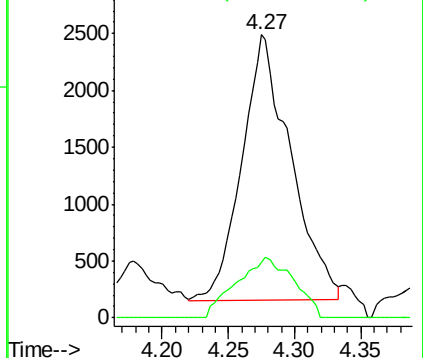


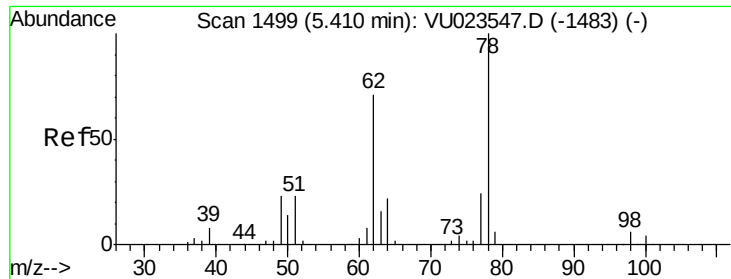
#22
 2-Butanone
 Concen: 2.13 ug/L
 RT: 4.27 min Scan# 1146
 Delta R.T. 0.01 min
 Lab File: VU023561.D
 Acq: 01 May 2018 18:30

Tgt Ion: 43 Resp: 5986
 Ion Ratio Lower Upper
 43 100
 72 18.8 12.3 36.8



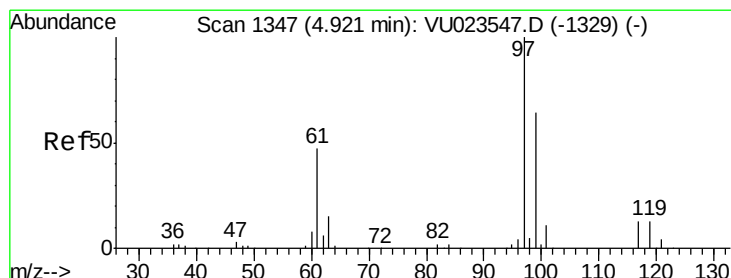
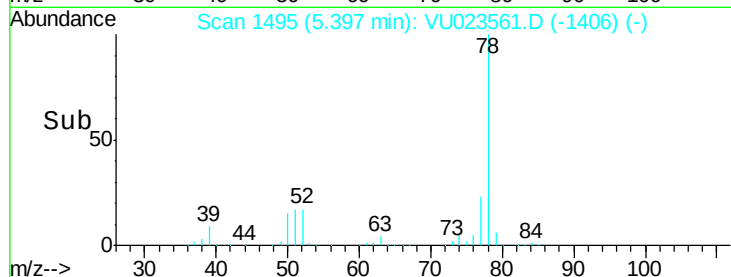
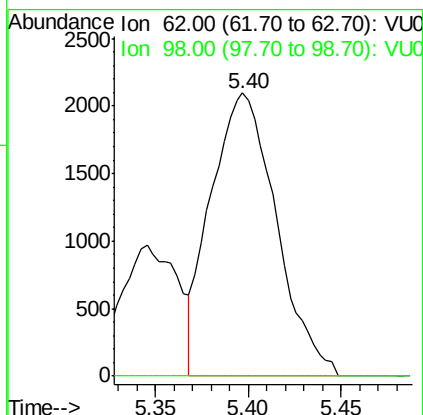
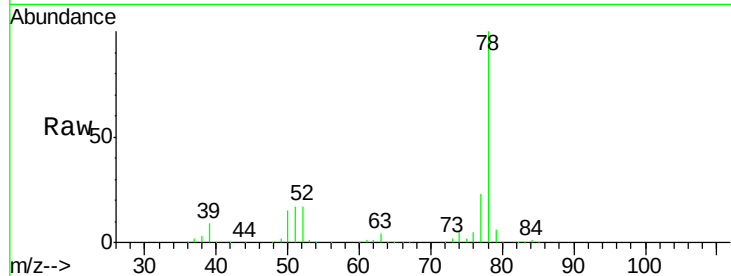
Abundance Ion 43.00 (42.70 to 43.70): VU0
 Ion 72.00 (71.70 to 72.70): VU0





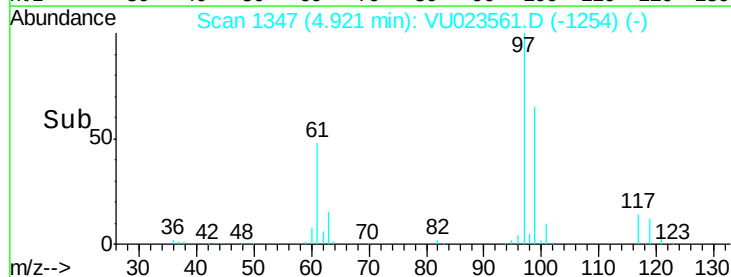
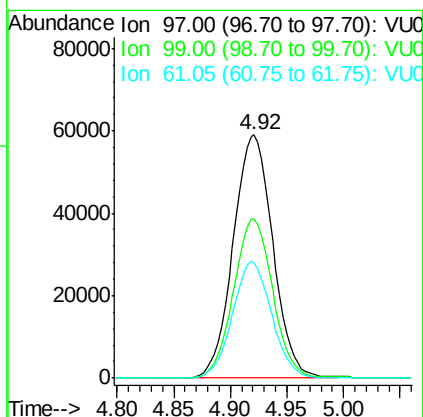
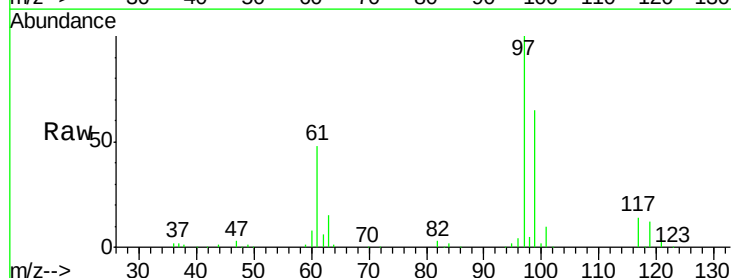
#27
 1,2-Dichloroethane
 Concen: 1.22 ug/L
 RT: 5.40 min Scan# 1495
 Delta R.T. -0.01 min
 Lab File: VU023561.D
 Acq: 01 May 2018 18:30

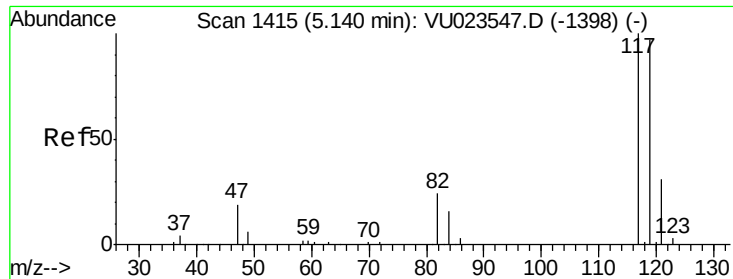
Tgt Ion: 62 Resp: 5125
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.3 10.9#



#30
 1,1,1-Trichloroethane
 Concen: 34.97 ug/L
 RT: 4.92 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: VU023561.D
 Acq: 01 May 2018 18:30

Tgt Ion: 97 Resp: 144056
 Ion Ratio Lower Upper
 97 100
 99 64.7 51.8 77.6
 61 47.3 37.7 56.5





#31

Carbon tetrachloride

Concen: 5.45 ug/L

RT: 4.92 min Scan# 1347

Delta R.T. -0.22 min

Lab File: VU023561.D

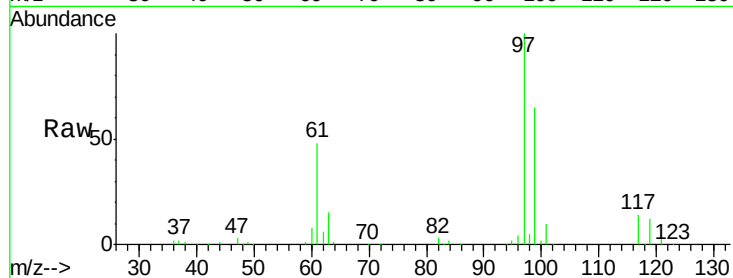
Acq: 01 May 2018 18:30

Tgt Ion: 117 Resp: 19517

Ion Ratio Lower Upper

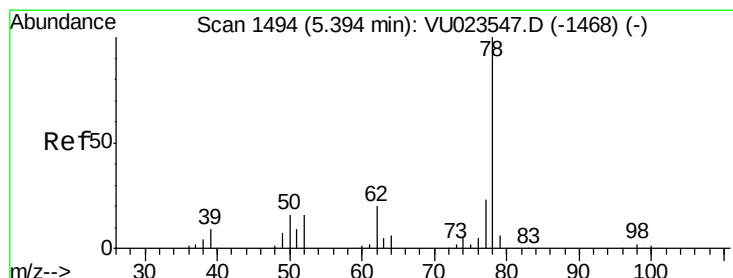
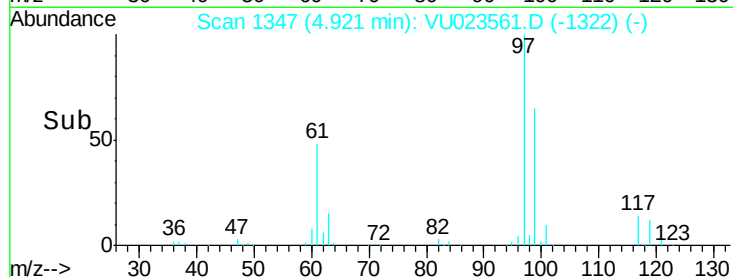
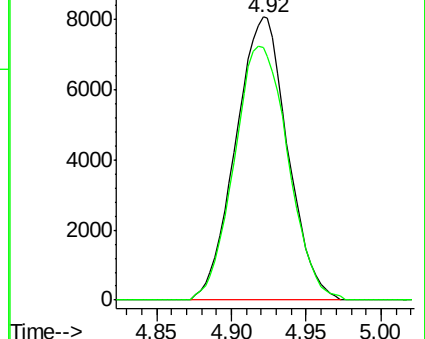
117 100

119 93.2 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 43.68 ug/L

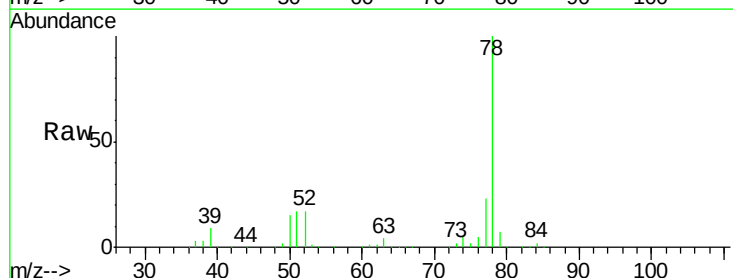
RT: 5.39 min Scan# 1494

Delta R.T. -0.00 min

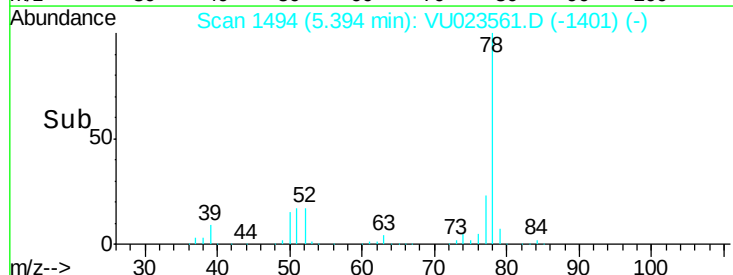
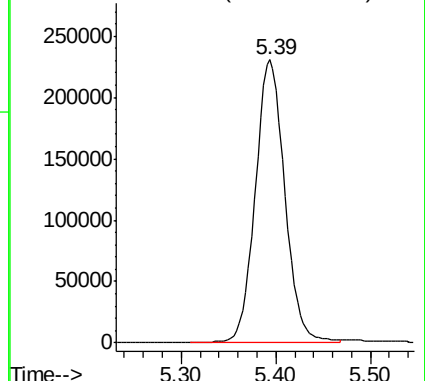
Lab File: VU023561.D

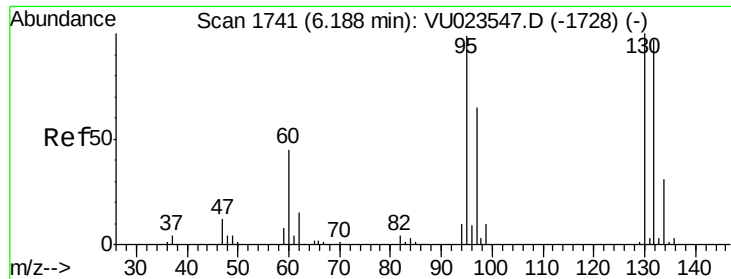
Acq: 01 May 2018 18:30

Tgt Ion: 78 Resp: 500521



Abundance Ion 78.00 (77.70 to 78.70): VU0

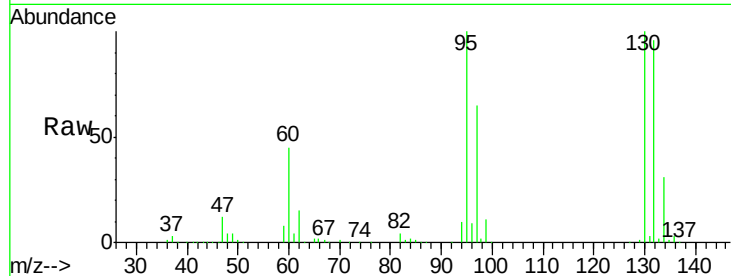




#34
 Trichloroethene
 Concen: 555.37 ug/L
 RT: 6.19 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VU023561.D
 Acq: 01 May 2018 18:30

Tgt Ion: 95 Resp: 1630665

Ion	Ratio	Lower	Upper
95	100		
97	64.7	46.3	85.9
132	96.5	68.5	127.1
130	100.3	70.8	131.4



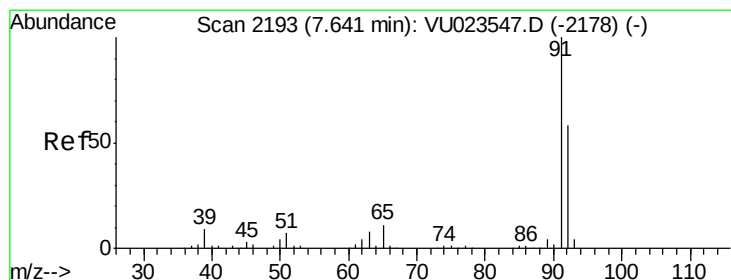
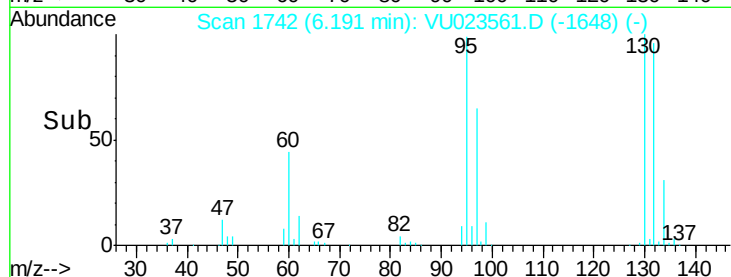
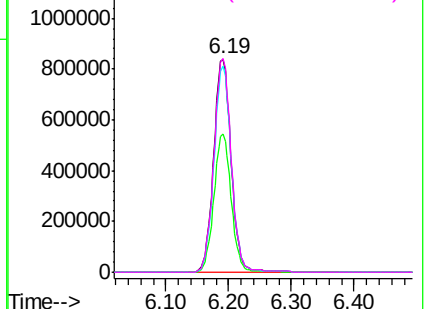
Abundance

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

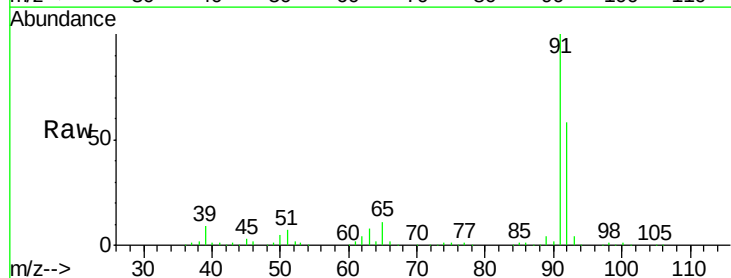
Ion 130.00 (129.70 to 130.70): V



#42
 Toluene
 Concen: 45.72 ug/L
 RT: 7.64 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VU023561.D
 Acq: 01 May 2018 18:30

Tgt Ion: 91 Resp: 543009

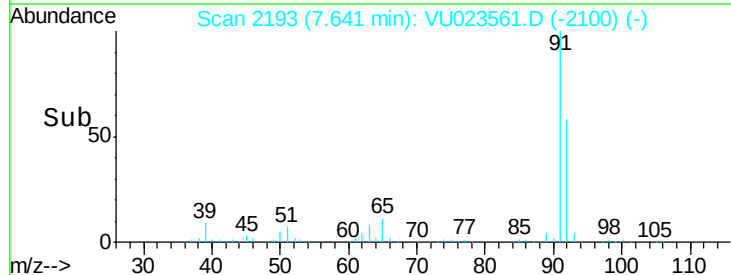
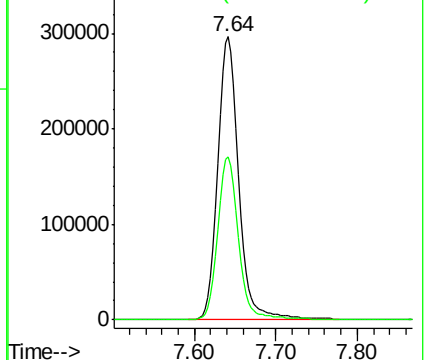
Ion	Ratio	Lower	Upper
91	100		
92	57.8	40.3	74.9

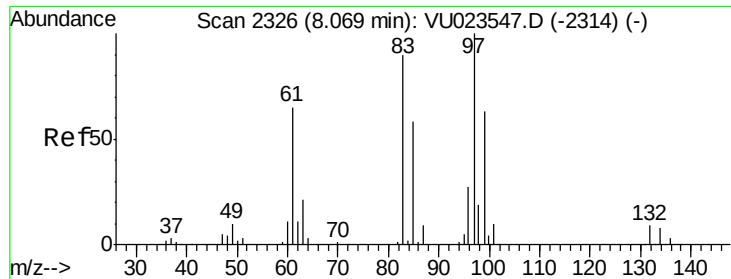


Abundance

Ion 91.00 (90.70 to 91.70): VU0

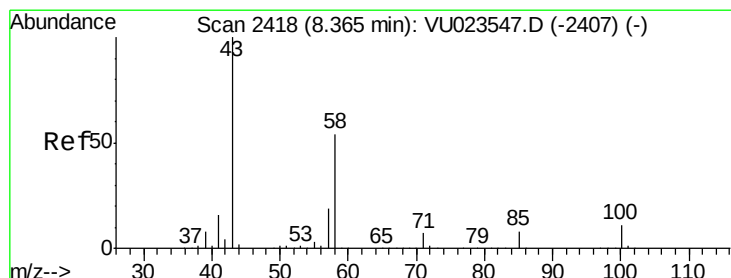
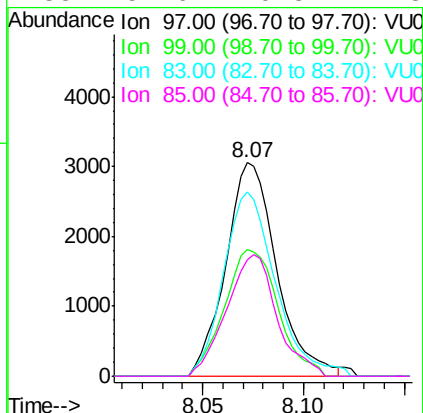
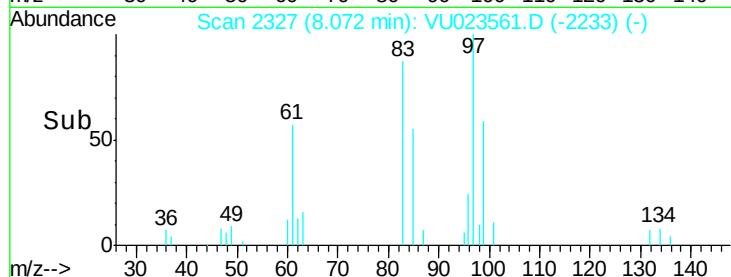
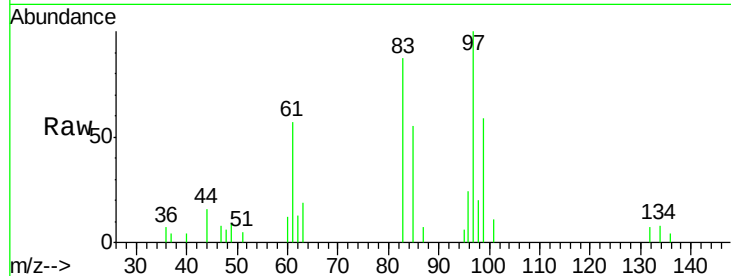
Ion 92.00 (91.70 to 92.70): VU0





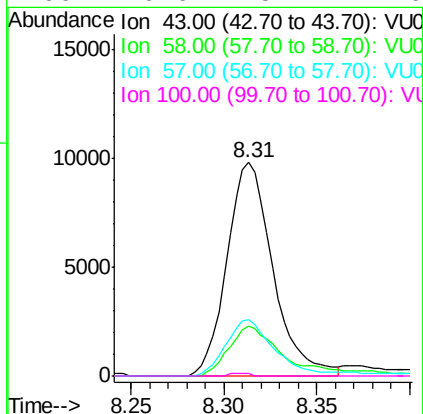
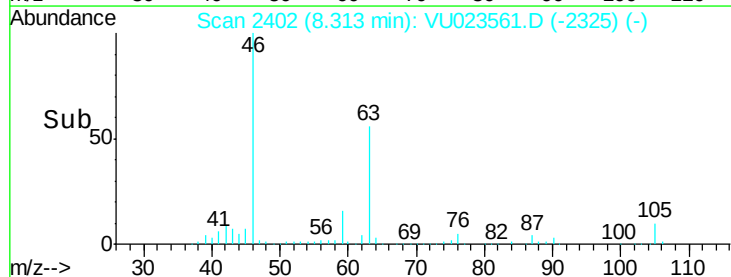
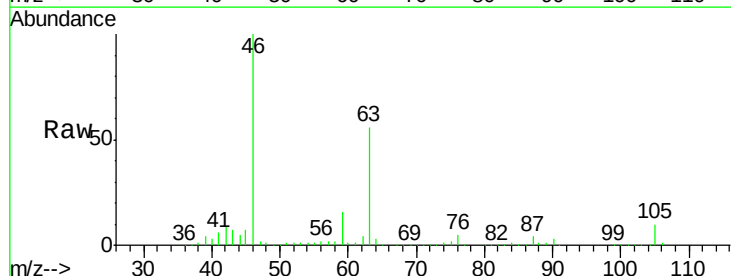
#45
 1,1,2-Trichloroethane
 Concen: 1.93 ug/L
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU023561.D
 Acq: 01 May 2018 18:30

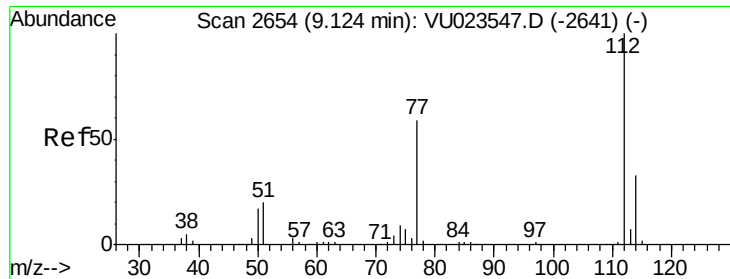
Tgt Ion:	97	Resp:	5385
Ion	Ratio	Lower	Upper
97	100		
99	59.3	44.2	82.2
83	86.6	63.1	117.1
85	54.6	40.3	74.8



#48
 2-Hexanone
 Concen: 4.85 ug/L
 RT: 8.31 min Scan# 2402
 Delta R.T. -0.05 min
 Lab File: VU023561.D
 Acq: 01 May 2018 18:30

Tgt Ion:	43	Resp:	16954
Ion	Ratio	Lower	Upper
43	100		
58	24.2	43.0	64.6#
57	27.3	14.6	22.0#
100	0.6	8.4	12.6#





#51

Chlorobenzene

Concen: 41.93 ug/L

RT: 9.12 min Scan# 2654

Delta R.T. -0.00 min

Lab File: VU023561.D

Acq: 01 May 2018 18:30

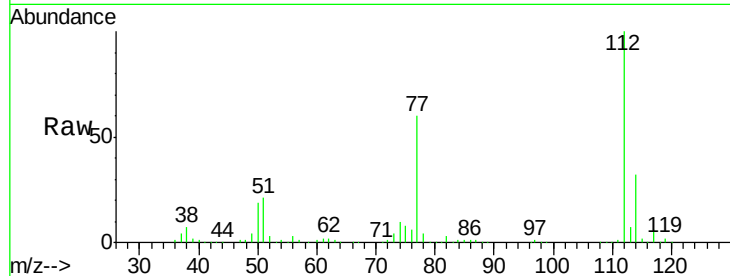
Tgt Ion: 112 Resp: 331834

Ion Ratio Lower Upper

112 100

114 32.2 22.7 42.3

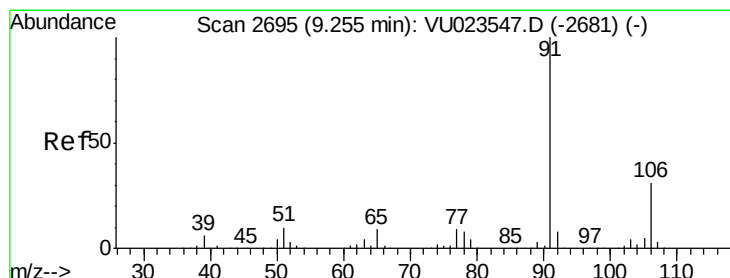
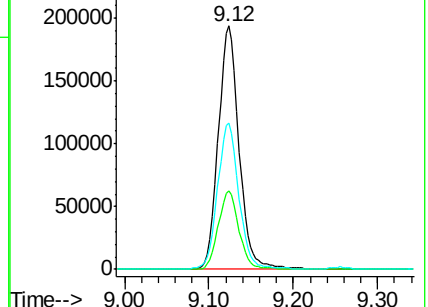
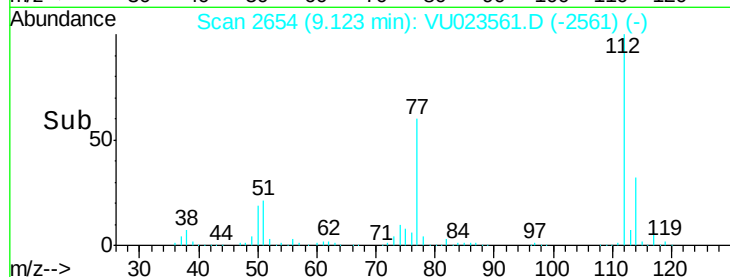
77 60.2 47.5 71.3



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#52

Ethylbenzene

Concen: 2.64 ug/L

RT: 9.26 min Scan# 2695

Delta R.T. -0.00 min

Lab File: VU023561.D

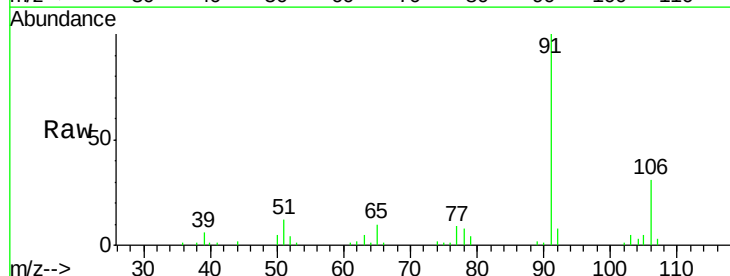
Acq: 01 May 2018 18:30

Tgt Ion: 91 Resp: 33971

Ion Ratio Lower Upper

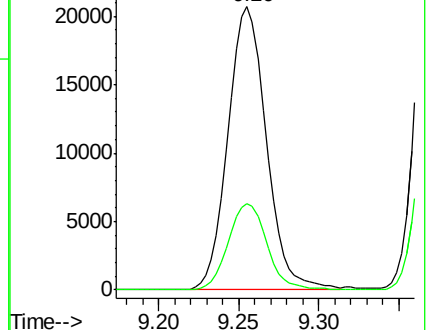
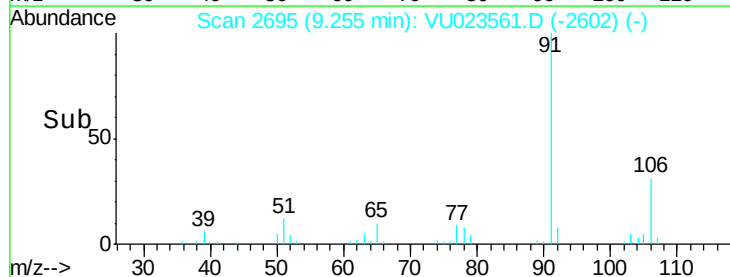
91 100

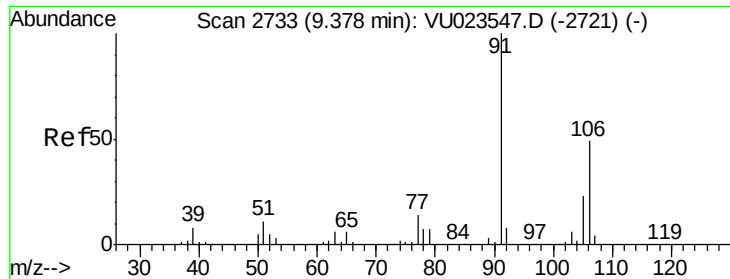
106 30.5 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): V

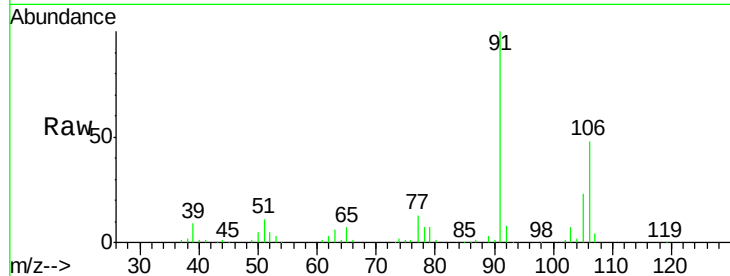
Ion 106.00 (105.70 to 106.70): V



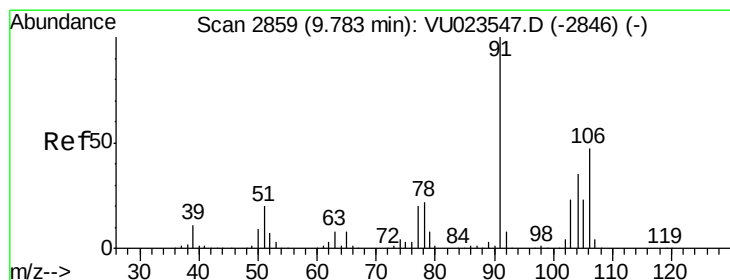
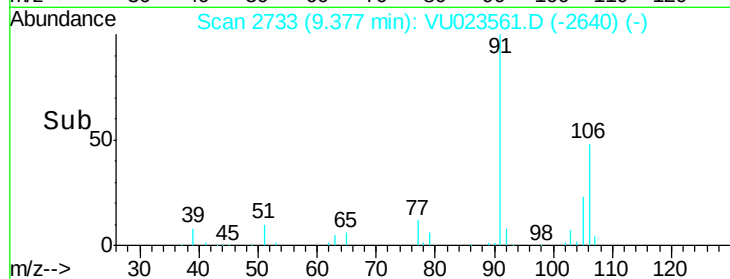
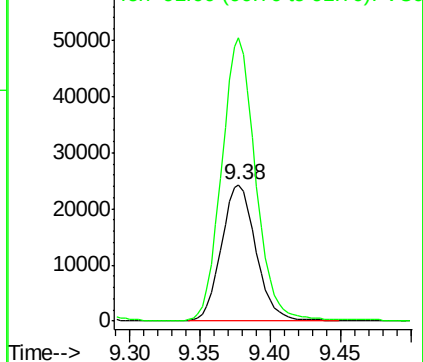


#53
m,p-Xylene
Concen: 8.48 ug/L
RT: 9.38 min Scan# 2733
Delta R.T. -0.00 min
Lab File: VU023561.D
Acq: 01 May 2018 18:30

Tgt Ion:106 Resp: 41648
Ion Ratio Lower Upper
106 100
91 207.2 144.1 267.5

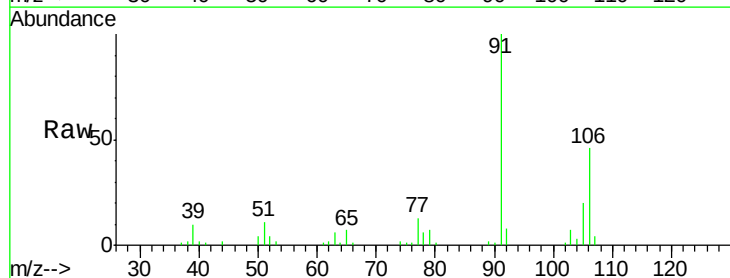


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VU0

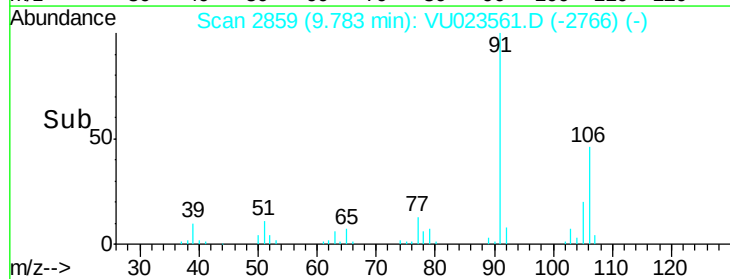
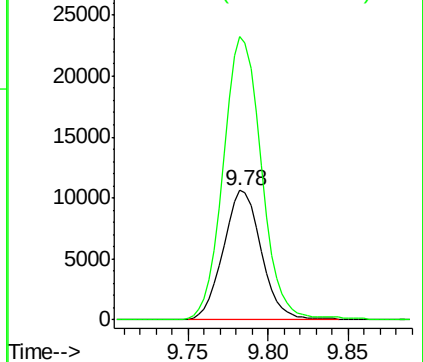


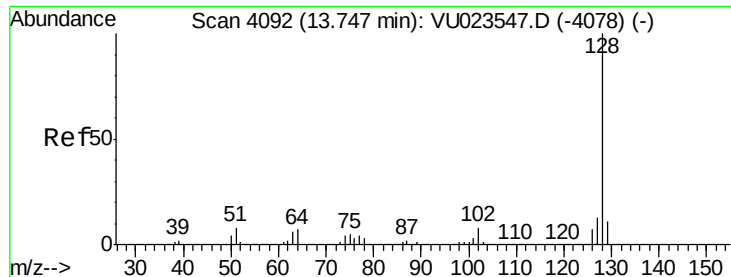
#54
o-xylene
Concen: 3.71 ug/L
RT: 9.78 min Scan# 2859
Delta R.T. -0.00 min
Lab File: VU023561.D
Acq: 01 May 2018 18:30

Tgt Ion:106 Resp: 17271
Ion Ratio Lower Upper
106 100
91 218.5 148.9 276.5



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





#69

Naphthalene

Concen: 1.58 ug/L

RT: 13.75 min Scan# 4092

Delta R.T. -0.00 min

Lab File: VU023561.D

Acq: 01 May 2018 18:30

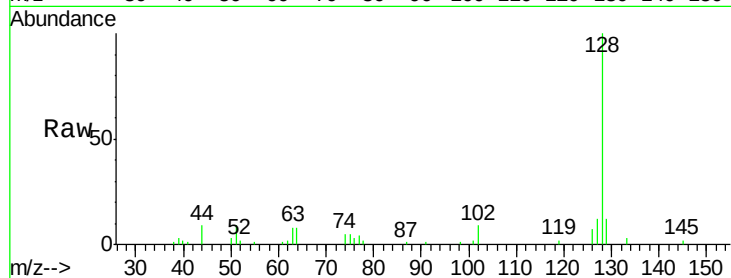
Tgt Ion:128 Resp: 17390

Ion Ratio Lower Upper

128 100

127 12.5 10.3 15.5

129 12.2 8.6 13.0



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

