

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050218\
 Data File : VU023590.D
 Acq On : 02 May 2018 20:31
 Operator : MD/SY
 Sample : J2627-17
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: May 03 05:29:41 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 03 05:16:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.90	114	1366	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.10	117	1576	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.50	152	1689	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	417	43.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	86.14%
7) Chloroethane-d5	0.00	69	0	0.00	ug/L	
Spiked Amount	50.000	Range	70 - 130	Recovery	=	0.00%#
11) 1,1-Dichloroethene-d2	2.27	63	749	39.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.36%
21) 2-Butanone-d5	0.00	46	0	0.00	ug/L	
Spiked Amount	100.000	Range	40 - 130	Recovery	=	0.00%#
24) Chloroform-d	4.65	84	111	6.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	13.86%#
26) 1,2-Dichloroethane-d4	5.33	65	800	71.84	ug/L	0.01
Spiked Amount	50.000	Range	70 - 125	Recovery	=	143.68%#
32) Benzene-d6	5.35	84	442	10.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	20.90%#
36) 1,2-Dichloropropane-d6	0.00	67	0	0.00	ug/L	
Spiked Amount	50.000	Range	70 - 120	Recovery	=	0.00%#
41) Toluene-d8	7.58	98	1275	32.71	ug/L	0.01
Spiked Amount	50.000	Range	80 - 120	Recovery	=	65.42%#
43) trans-1,3-Dichloropropene-	7.87	79	67	10.99	ug/L	0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	21.98%#
47) 2-Hexanone-d5	0.00	63	0	0.00	ug/L	
Spiked Amount	100.000	Range	45 - 130	Recovery	=	0.00%#
57) 1,1,2,2-Tetrachloroethane-	10.44	84	164	8.95	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	17.90%#
64) 1,2-Dichlorobenzene-d4	11.88	152	882	26.77	ug/L	0.01
Spiked Amount	50.000	Range	80 - 120	Recovery	=	53.54%#

Target Compounds

						Ovalue
3) Chloromethane	1.33	50	228	14.41	ug/L #	42
8) Chloroethane	1.73	64	96	10.60	ug/L #	53
12) 1,1-Dichloroethene	2.28	96	244	24.47	ug/L	89
13) Acetone	2.33	43	8704	875.79	ug/L	94
14) Carbon disulfide	2.48	76	356	10.36	ug/L #	74
15) Methyl Acetate	2.46	43	524	39.81	ug/L #	54
16) Methylene chloride	2.71	84	75	6.03	ug/L #	1
22) 2-Butanone	4.24	43	41	3.71	ug/L #	51
33) Benzene	5.40	78	272	4.90	ug/L	100
34) Trichloroethene	6.19	95	825	57.98	ug/L	94
40) 4-Methyl-2-pentanone	7.47	43	40	2.06	ug/L #	44
42) Toluene	7.65	91	927	16.10	ug/L	90
48) 2-Hexanone	8.31	43	121	7.15	ug/L #	1
51) Chlorobenzene	9.13	112	855	22.29	ug/L	92
53) m,p-Xylene	9.39	106	98	4.12	ug/L #	32
62) 1,3-Dichlorobenzene	11.52	146	148	2.43	ug/L #	65
63) 1,4-Dichlorobenzene	11.52	146	148	2.33	ug/L #	66

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ALS Vial : 24 Sample Multiplier: 1

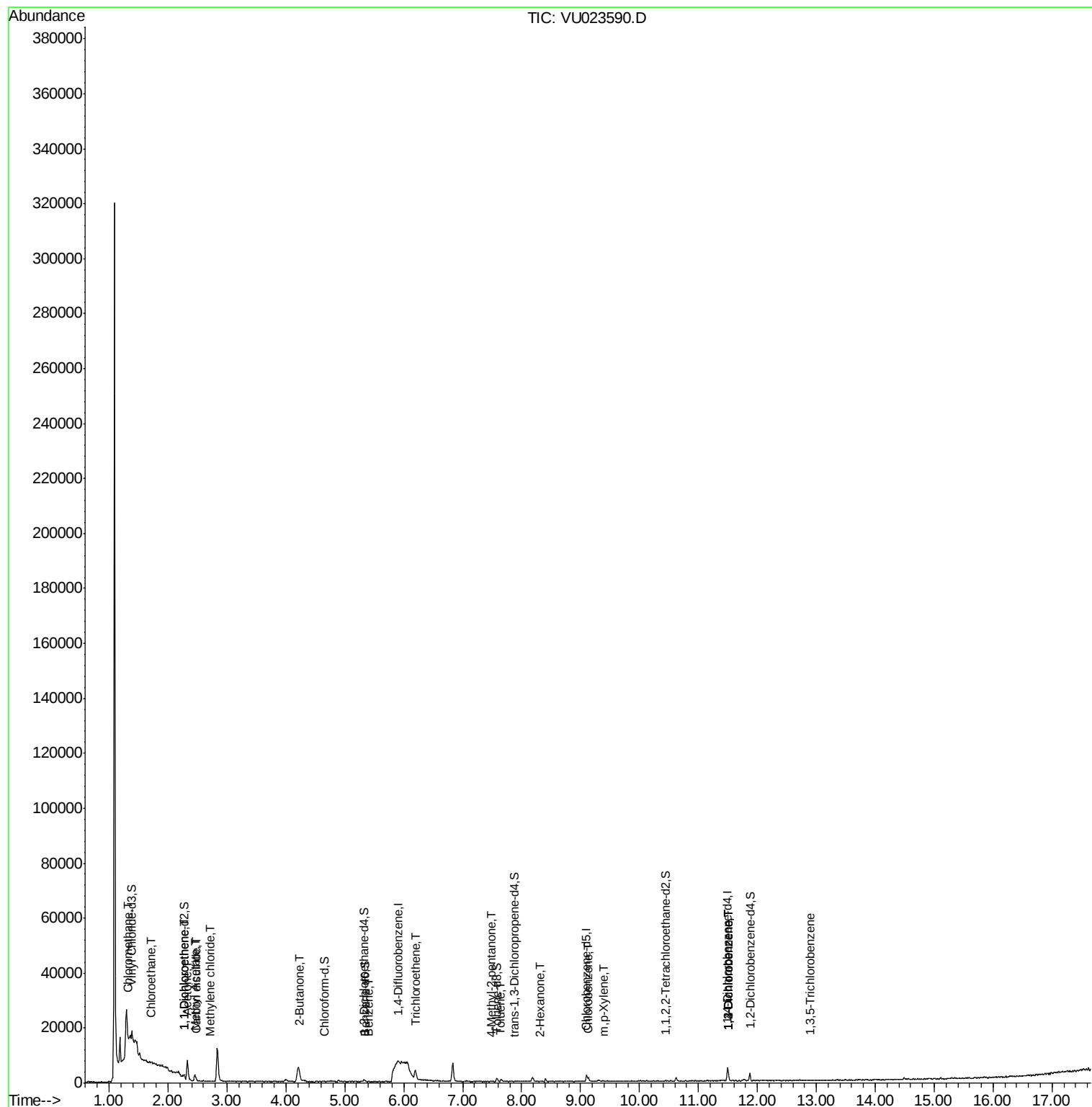
Quant Time: May 03 05:29:41 2018
Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050118WMA.M
Quant Title : VOC Analysis
QLast Update : Thu May 03 05:16:38 2018
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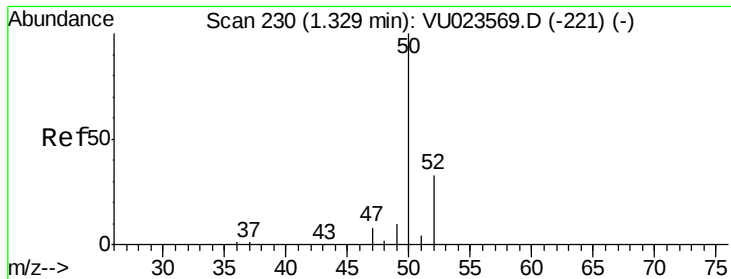
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,2-Dichlorobenzene	11.52	146	148	2.38	ug/L #	64
67) 1,3,5-Trichlorobenzene	12.90	180	62	1.22	ug/L #	18

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

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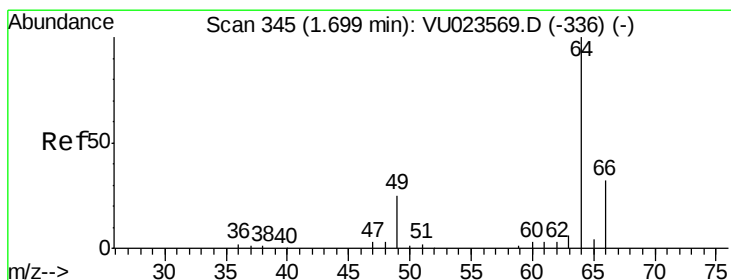
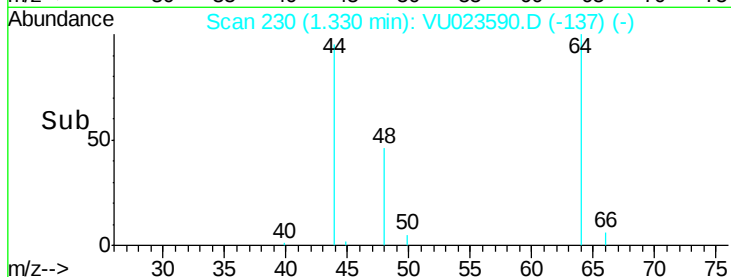
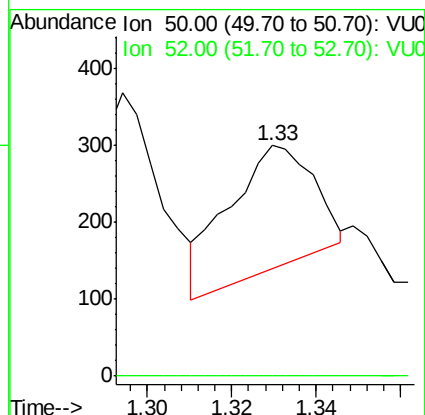
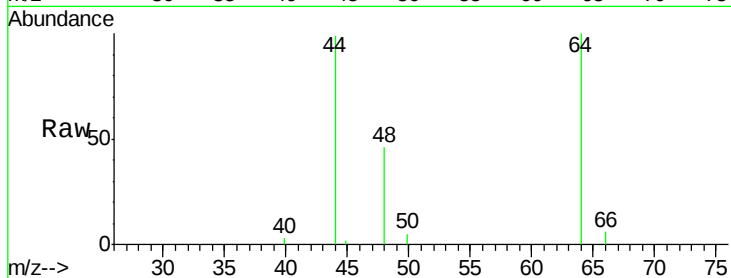
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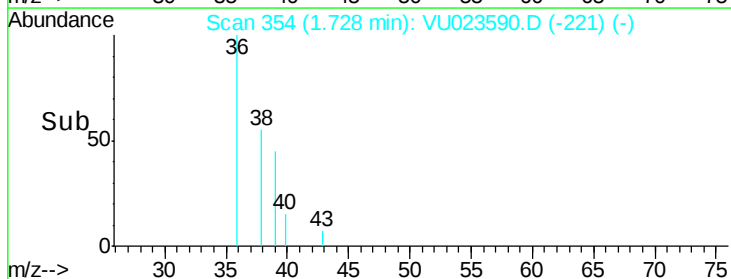
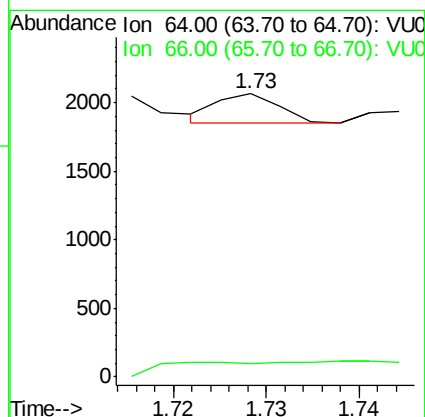
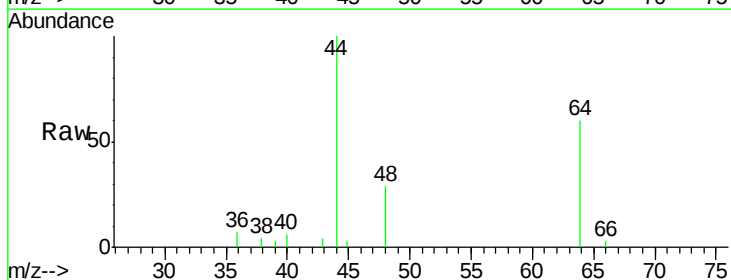
#3
 Chloromethane
 Concen: 14.41 ug/L
 RT: 1.33 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VU023590.D
 Acq: 02 May 2018 20:31

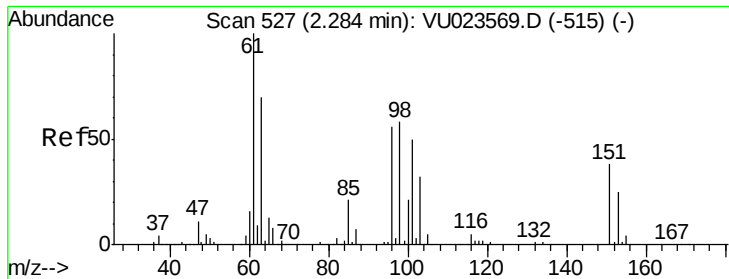
Tot Ion: 50 Resp: 228
 Ion Ratio Lower Upper
 50 100
 52 0.0 22.7 42.1#



#8
 Chloroethane
 Concen: 10.60 ug/L
 RT: 1.73 min Scan# 354
 Delta R.T. 0.03 min
 Lab File: VU023590.D
 Acq: 02 May 2018 20:31

Tgt Ion: 64 Resp: 96
 Ion Ratio Lower Upper
 64 100
 66 4.9 21.7 40.3#





#12

1,1-Dichloroethene

Concen: 24.47 ug/L

RT: 2.28 min Scan# 527

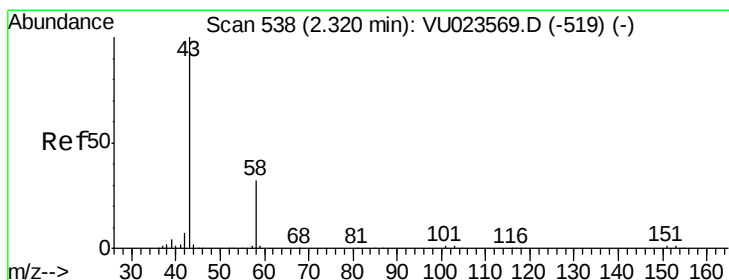
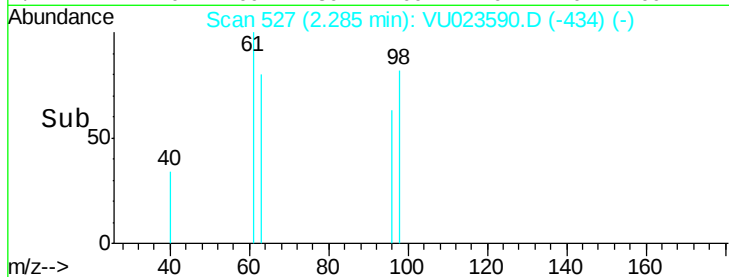
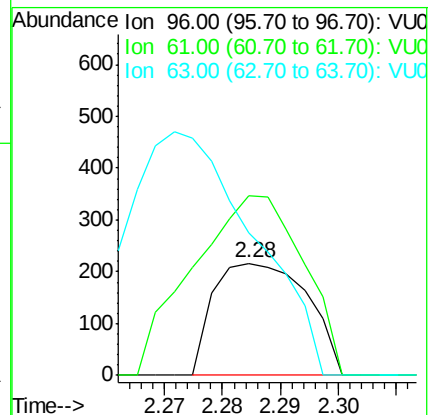
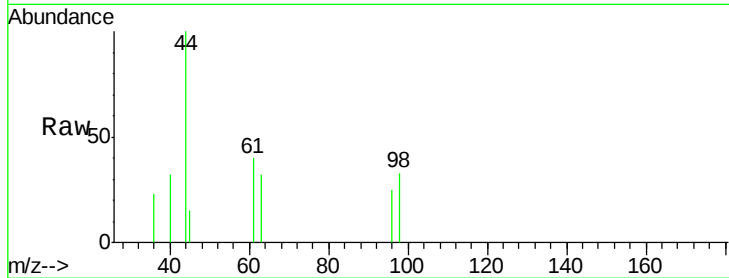
Delta R.T. 0.00 min

Lab File: VU023590.D

Acq: 02 May 2018 20:31

Tot Ion: 96 Resp: 244

Ion	Ratio	Lower	Upper
96	100		
61	159.4	125.9	233.7
63	127.2	84.8	157.6



#13

Acetone

Concen: 875.79 ug/L

RT: 2.33 min Scan# 541

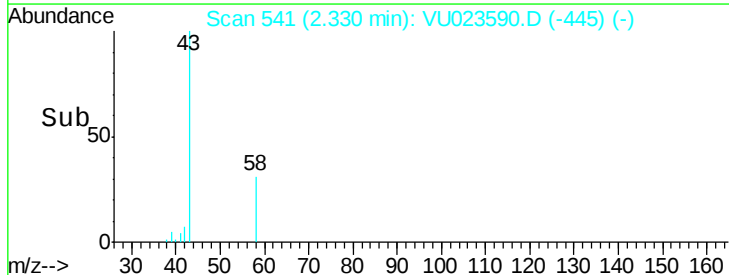
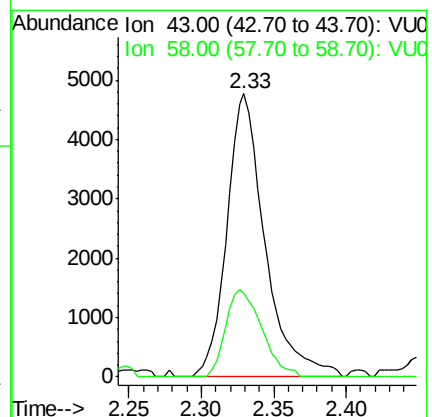
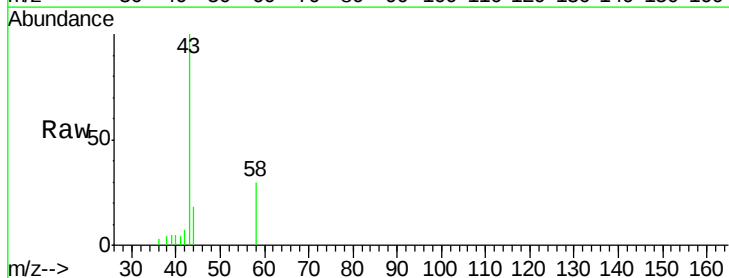
Delta R.T. 0.01 min

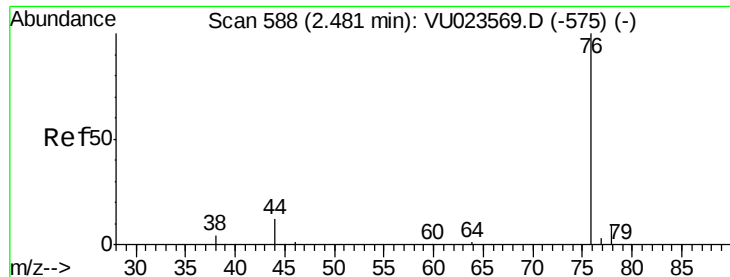
Lab File: VU023590.D

Acq: 02 May 2018 20:31

Tgt Ion: 43 Resp: 8704

Ion	Ratio	Lower	Upper
43	100		
58	29.0	0.0	64.8





#14

Carbon disulfide

Concen: 10.36 ug/L

RT: 2.48 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU023590.D

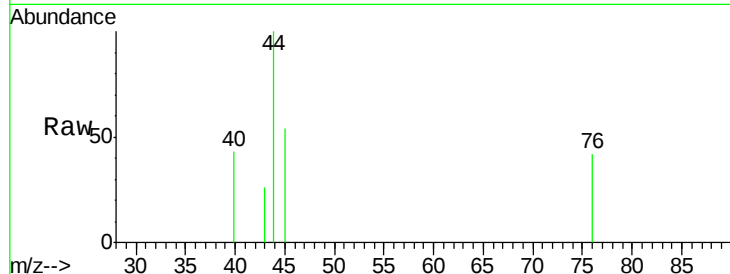
Acq: 02 May 2018 20:31

Tot Ion: 76 Resp: 356

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.2#



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0

2.48

250

200

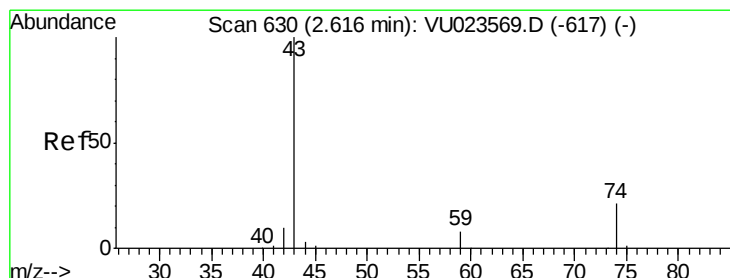
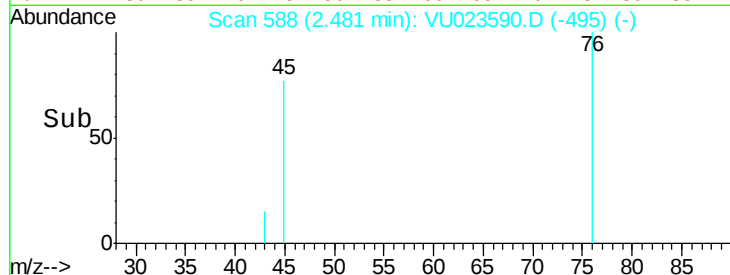
150

100

50

0

Time-->



#15

Methyl Acetate

Concen: 39.81 ug/L

RT: 2.46 min Scan# 581

Delta R.T. -0.16 min

Lab File: VU023590.D

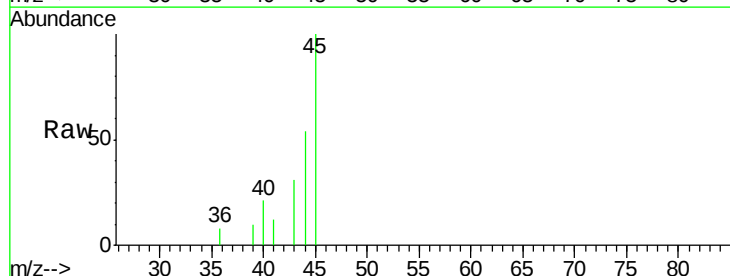
Acq: 02 May 2018 20:31

Tgt Ion: 43 Resp: 524

Ion Ratio Lower Upper

43 100

74 0.0 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.46

400

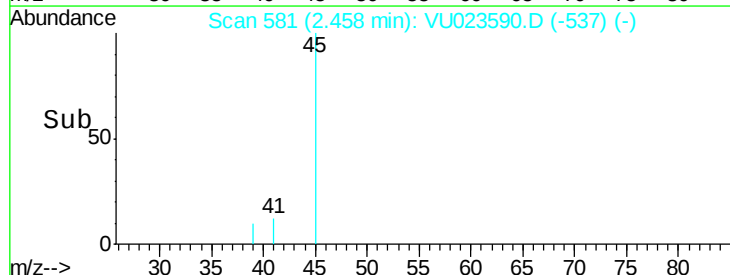
300

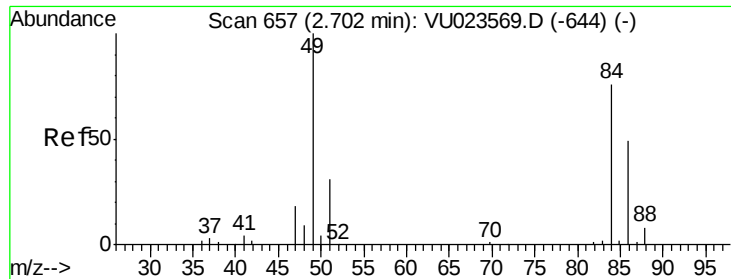
200

100

0

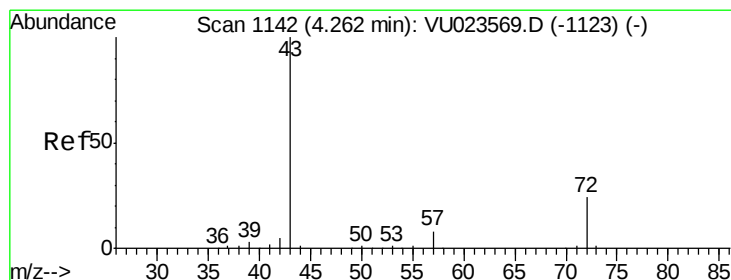
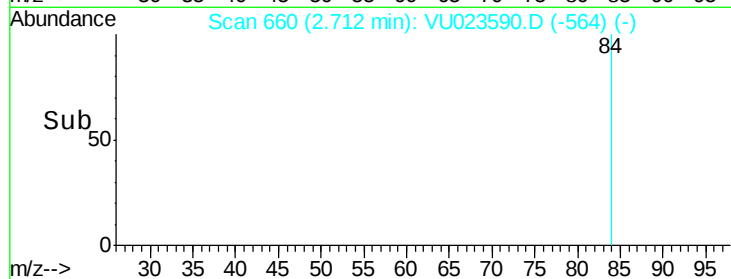
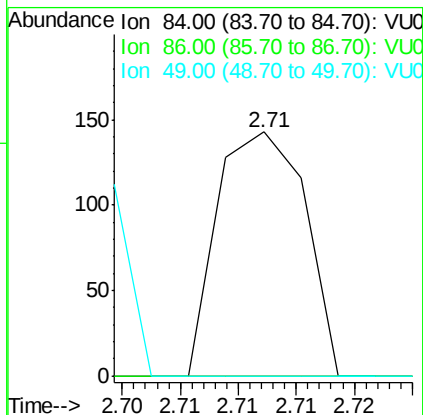
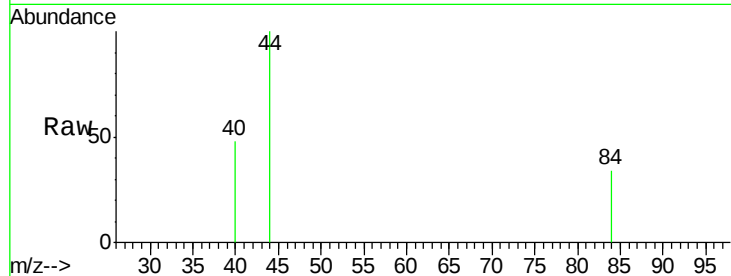
Time-->





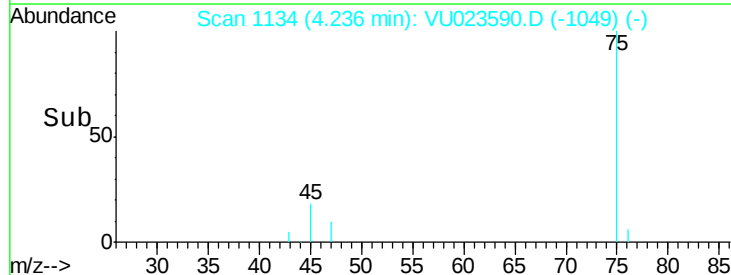
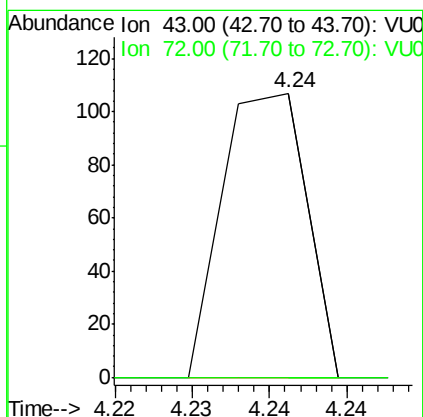
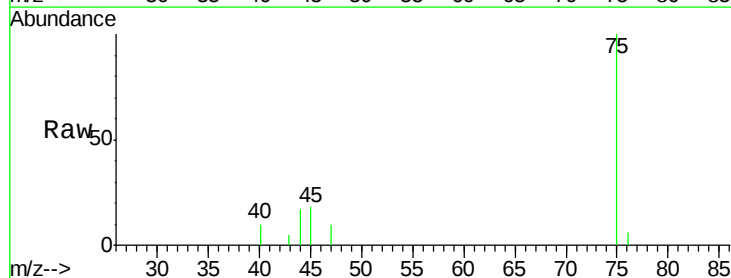
#16
Methvlene chloride
Concen: 6.03 ug/L
RT: 2.71 min Scan# 660
Delta R.T. 0.01 min
Lab File: VU023590.D
Acq: 02 May 2018 20:31

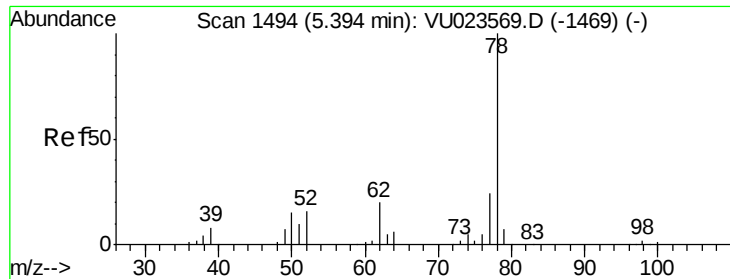
Tot Ion: 84 Resp: 75
Ion Ratio Lower Upper
84 100
86 0.0 45.6 84.8#
49 0.0 91.9 170.7#



#22
2-Butanone
Concen: 3.71 ug/L
RT: 4.24 min Scan# 1134
Delta R.T. -0.03 min
Lab File: VU023590.D
Acq: 02 May 2018 20:31

Tgt Ion: 43 Resp: 41
Ion Ratio Lower Upper
43 100
72 0.0 12.3 36.8#





#33

Benzene

Concen: 4.90 ug/L

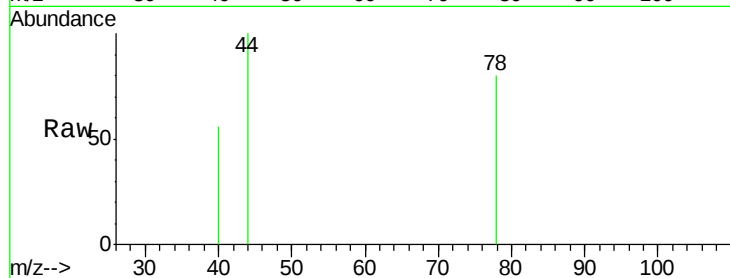
RT: 5.40 min Scan# 1495

Delta R.T. 0.00 min

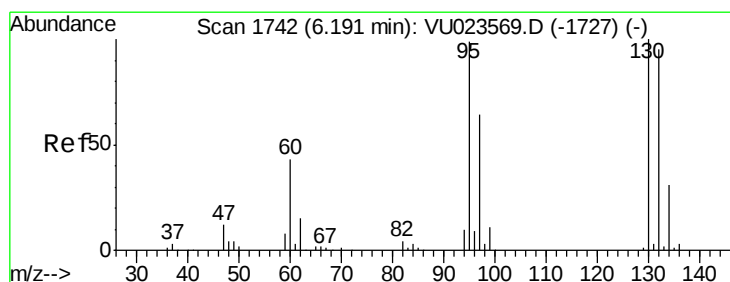
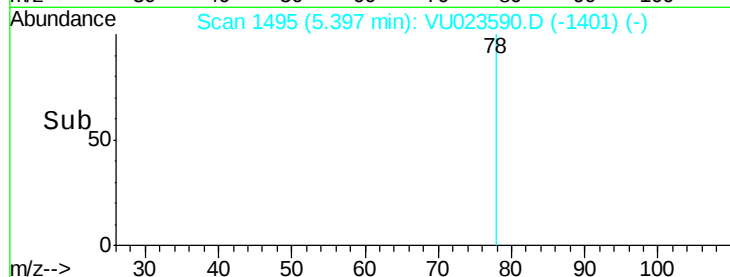
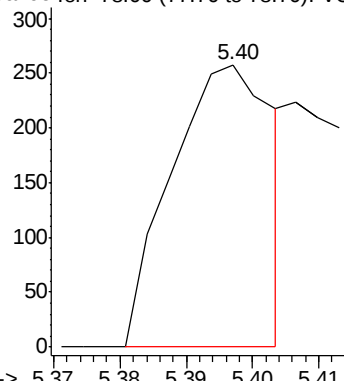
Lab File: VU023590.D

Acq: 02 May 2018 20:31

Tgt Ion: 78 Resp: 272



Abundance Ion 78.00 (77.70 to 78.70): VU0



#34

Trichloroethene

Concen: 57.98 ug/L

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU023590.D

Acq: 02 May 2018 20:31

Tgt Ion: 95 Resp: 825

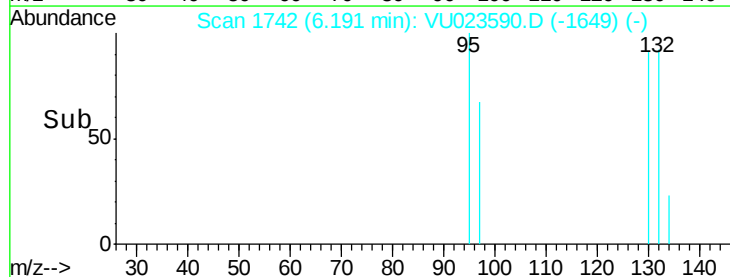
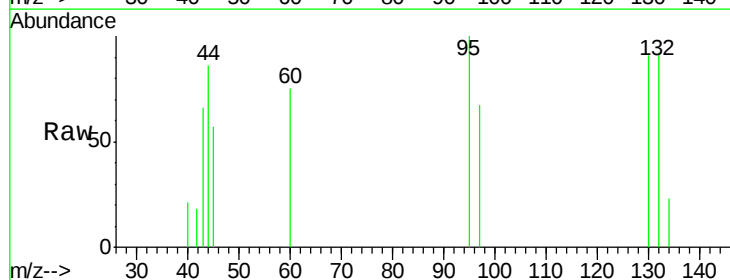
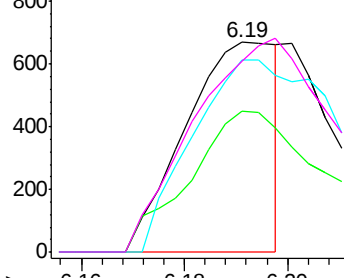
Ion	Ratio	Lower	Upper
95	100		
97	67.1	46.3	85.9
132	91.8	68.5	127.1
130	91.3	70.8	131.4

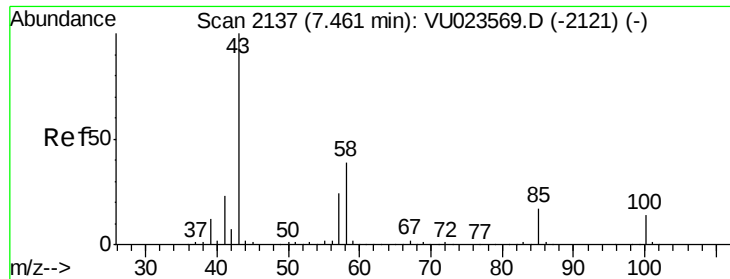
Abundance Ion 95.00 (94.70 to 95.70): VU0

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





#40

4-Methyl-2-pentanone

Concen: 2.06 ug/L

RT: 7.47 min Scan# 2140

Delta R.T. 0.01 min

Lab File: VU023590.D

Acq: 02 May 2018 20:31

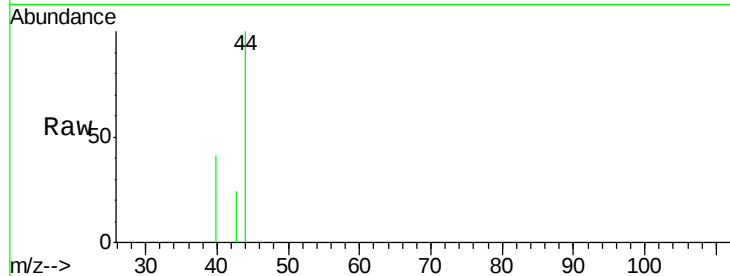
Tot Ion: 43 Resp: 40

Ion Ratio Lower Upper

43 100

58 0.0 30.8 46.2#

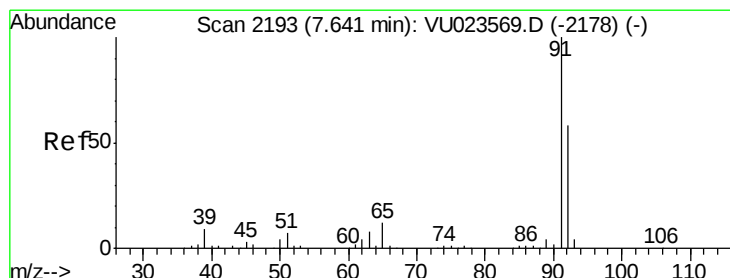
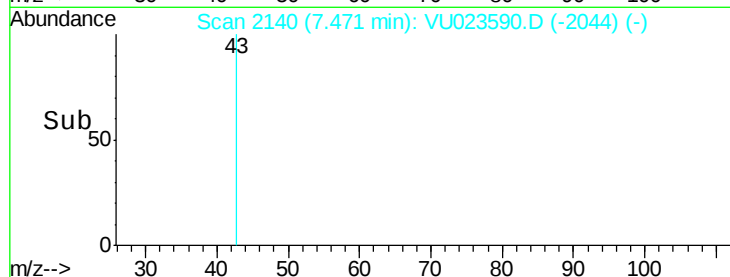
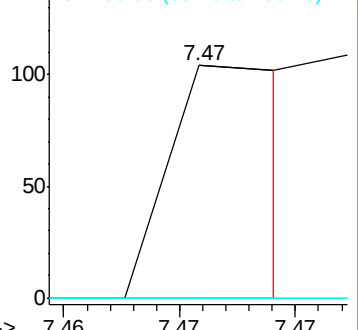
100 0.0 10.7 16.1#



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



#42

Toluene

Concen: 16.10 ug/L

RT: 7.65 min Scan# 2195

Delta R.T. 0.01 min

Lab File: VU023590.D

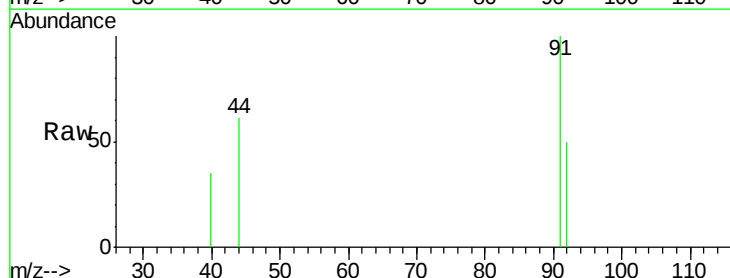
Acq: 02 May 2018 20:31

Tgt Ion: 91 Resp: 927

Ion Ratio Lower Upper

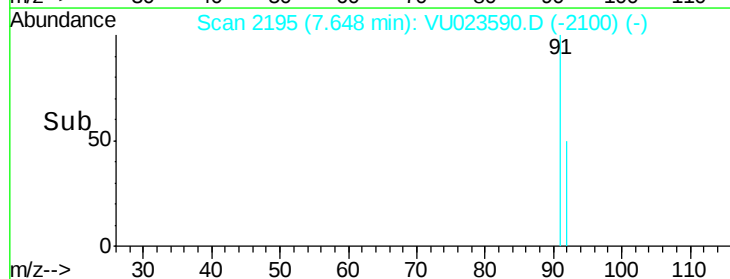
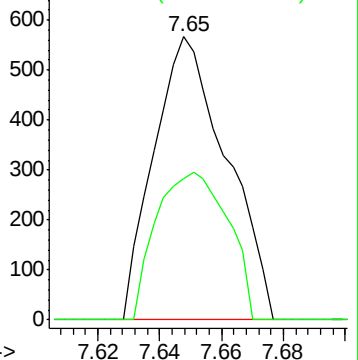
91 100

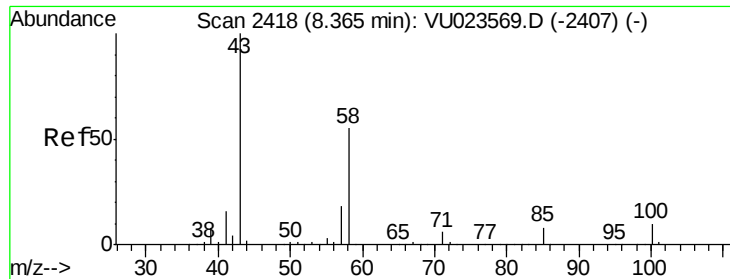
92 49.9 40.3 74.9



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0





#48

2-Hexanone

Concen: 7.15 ug/L

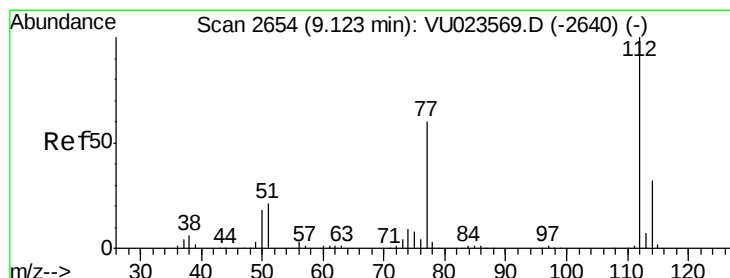
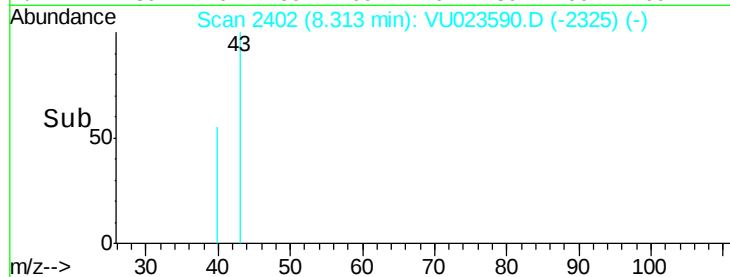
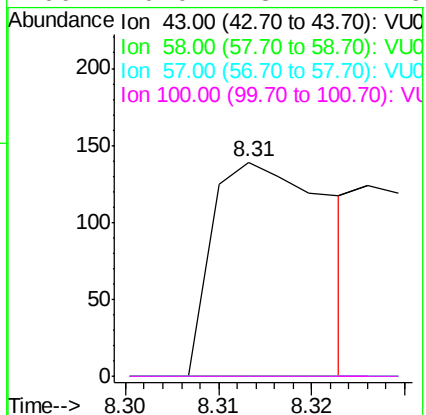
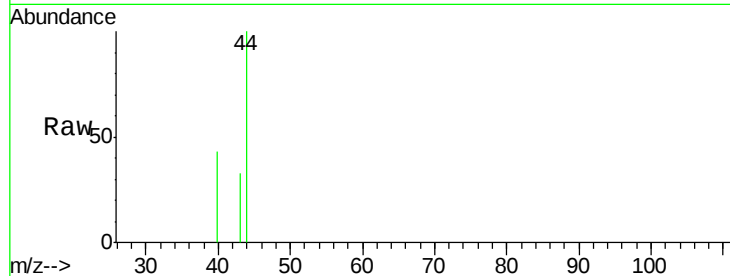
RT: 8.31 min Scan# 2402

Delta R.T. -0.05 min

Lab File: VU023590.D

Acq: 02 May 2018 20:31

Tot Ion:	43	Resp:	121
Ion	Ratio	Lower	Upper
43	100		
58	0.0	43.0	64.6#
57	644.6	14.6	22.0#
100	0.0	8.4	12.6#



#51

Chlorobenzene

Concen: 22.29 ug/L

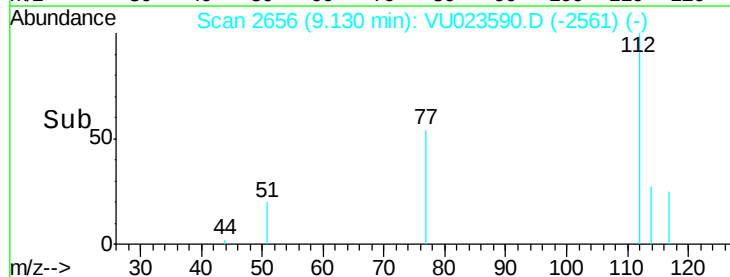
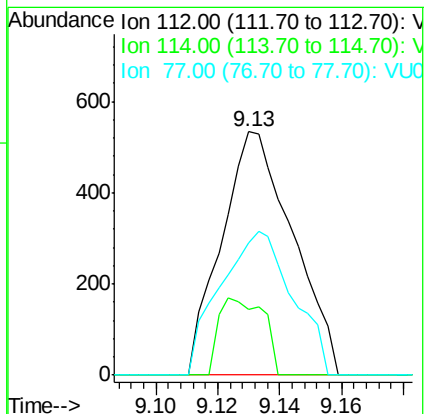
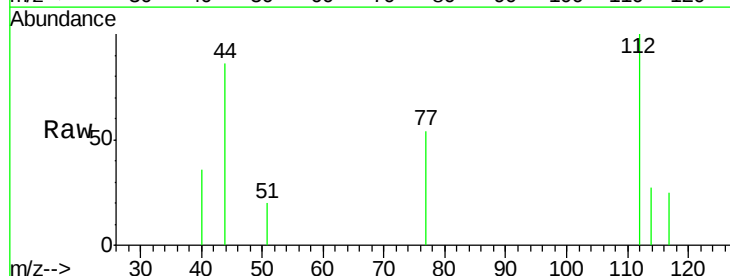
RT: 9.13 min Scan# 2656

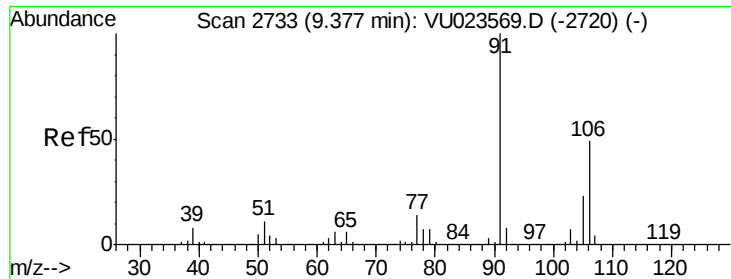
Delta R.T. 0.01 min

Lab File: VU023590.D

Acq: 02 May 2018 20:31

Tgt Ion:	112	Resp:	855
Ion	Ratio	Lower	Upper
112	100		
114	27.0	22.7	42.3
77	54.3	47.5	71.3





#53

m,p-Xylene

Concen: 4.12 ug/L

RT: 9.39 min Scan# 2738

Delta R.T. 0.02 min

Lab File: VU023590.D

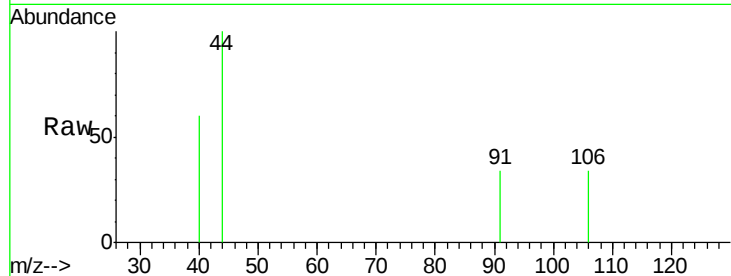
Acq: 02 May 2018 20:31

Tot Ion:106 Resp: 98

Ion Ratio Lower Upper

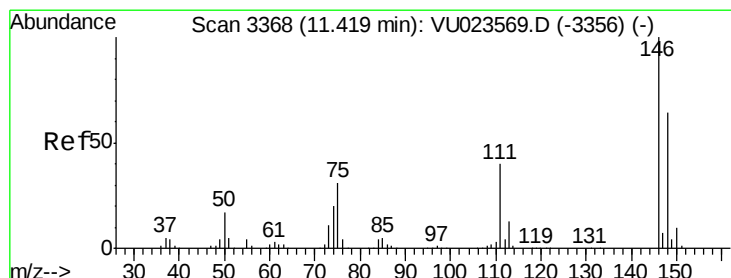
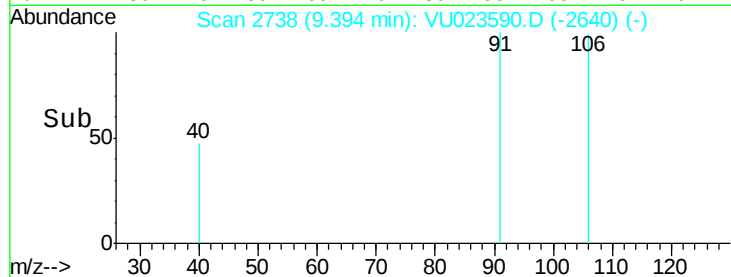
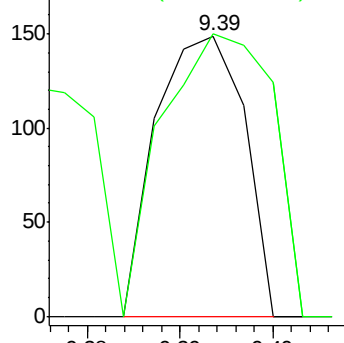
106 100

91 100.7 144.1 267.5#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#62

1,3-Dichlorobenzene

Concen: 2.43 ug/L

RT: 11.52 min Scan# 3399

Delta R.T. 0.10 min

Lab File: VU023590.D

Acq: 02 May 2018 20:31

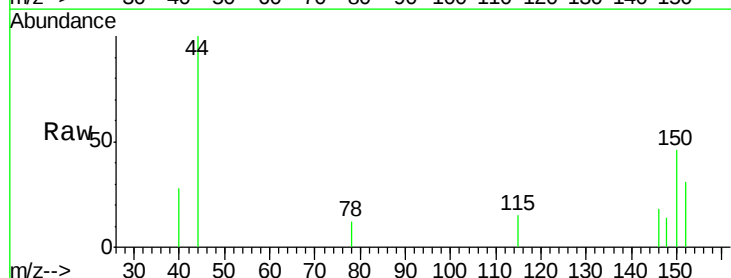
Tgt Ion:146 Resp: 148

Ion Ratio Lower Upper

146 100

111 0.0 27.9 51.7#

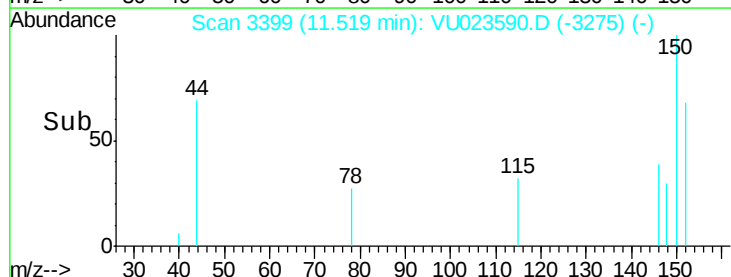
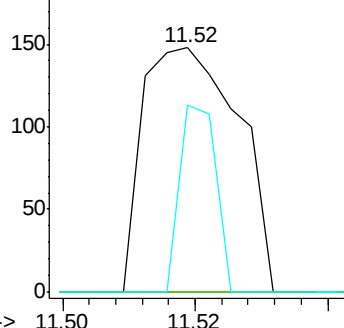
148 76.4 44.4 82.5

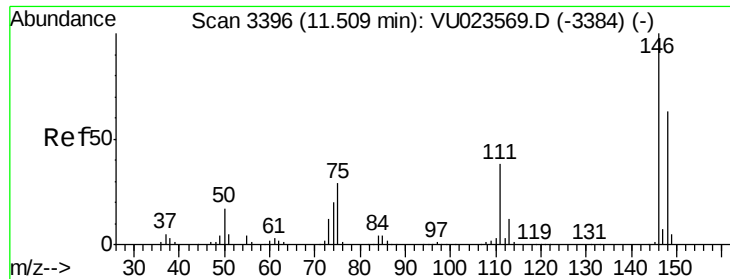


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#63

1,4-Dichlorobenzene

Concen: 2.33 ug/L

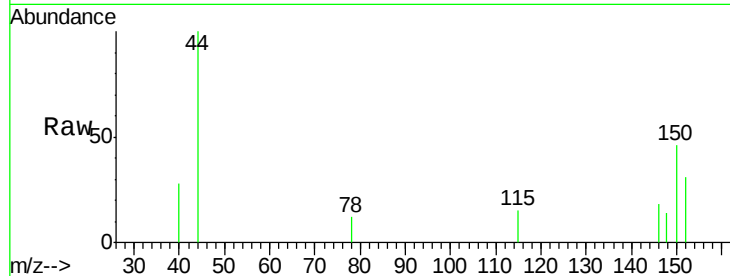
RT: 11.52 min Scan# 3399

Delta R.T. 0.01 min

Lab File: VU023590.D

Acq: 02 May 2018 20:31

Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	26.8	49.8#
148	76.4	44.8	83.2

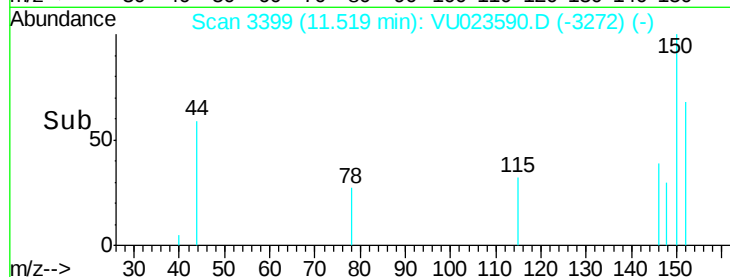


Abundance Ion 146.00 (145.70 to 146.70): V

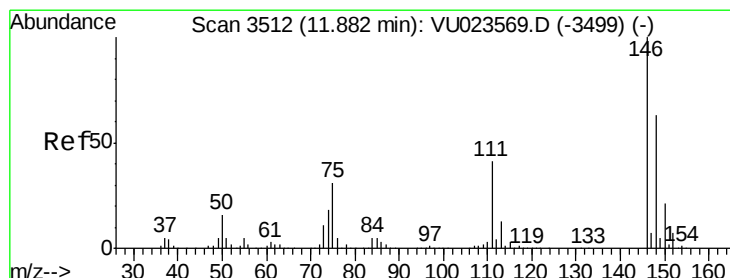
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

11.52



Time--> 11.50 11.52



#65

1,2-Dichlorobenzene

Concen: 2.38 ug/L

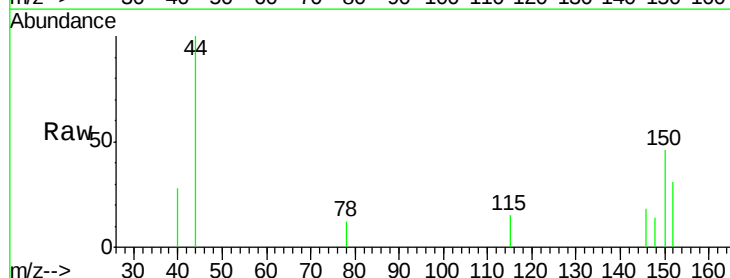
RT: 11.52 min Scan# 3399

Delta R.T. -0.36 min

Lab File: VU023590.D

Acq: 02 May 2018 20:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	0.0	32.9	49.3#
148	76.4	51.0	76.4

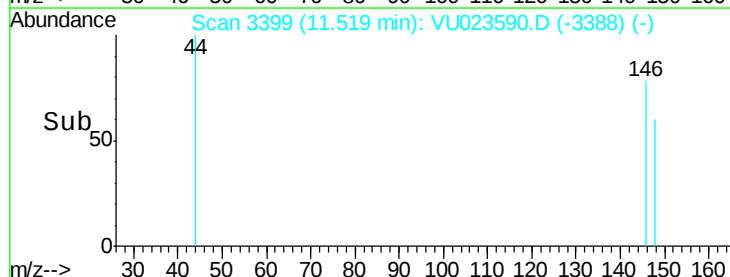


Abundance Ion 146.00 (145.70 to 146.70): V

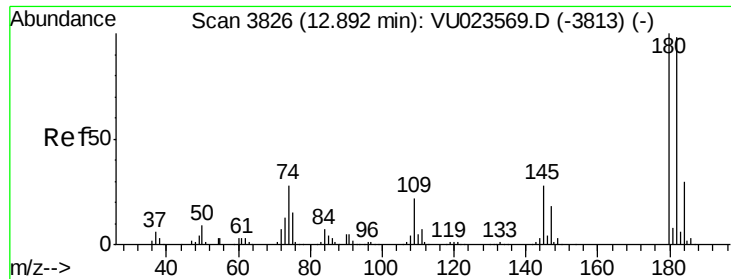
Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

11.52

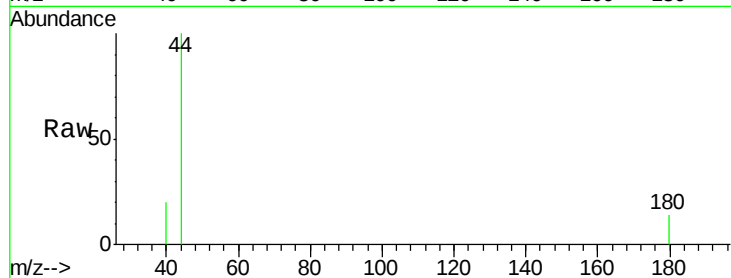


Time--> 11.50 11.52



#67
 1,3,5-Trichlorobenzene
 Concen: 1.22 ug/L
 RT: 12.90 min Scan# 3829
 Delta R.T. 0.01 min
 Lab File: VU023590.D
 Acq: 02 May 2018 20:31

Tot Ion:	180	Resp:	62
Ion	Ratio	Lower	Upper
180	100		
182	0.0	76.5	114.7#
184	0.0	24.1	36.1#
145	0.0	22.2	33.4#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V

