

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050118\
 Data File : VU023566.D
 Acq On : 01 May 2018 20:42
 Operator : MD/SY
 Sample : J2621-07
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: May 02 04:12:46 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	356990	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	332466	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	167269	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	96952	38.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.64%
7) Chloroethane-d5	1.68	69	78478	40.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	81.38%
11) 1,1-Dichloroethene-d2	2.27	63	147791	29.96	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	59.92%#
21) 2-Butanone-d5	4.18	46	198005	113.27	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	113.27%
24) Chloroform-d	4.65	84	190742	45.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.18%
26) 1,2-Dichloroethane-d4	5.31	65	130068	44.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.40%
32) Benzene-d6	5.35	84	397868	44.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.20%
36) 1,2-Dichloropropane-d6	6.34	67	139782	46.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.56%
41) Toluene-d8	7.57	98	357563	43.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.96%
43) trans-1,3-Dichloropropene-	7.85	79	59293	46.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.20%
47) 2-Hexanone-d5	8.31	63	143841	126.77	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	126.77%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	187944	48.63	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.26%
64) 1,2-Dichlorobenzene-d4	11.87	152	149030	45.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.34%

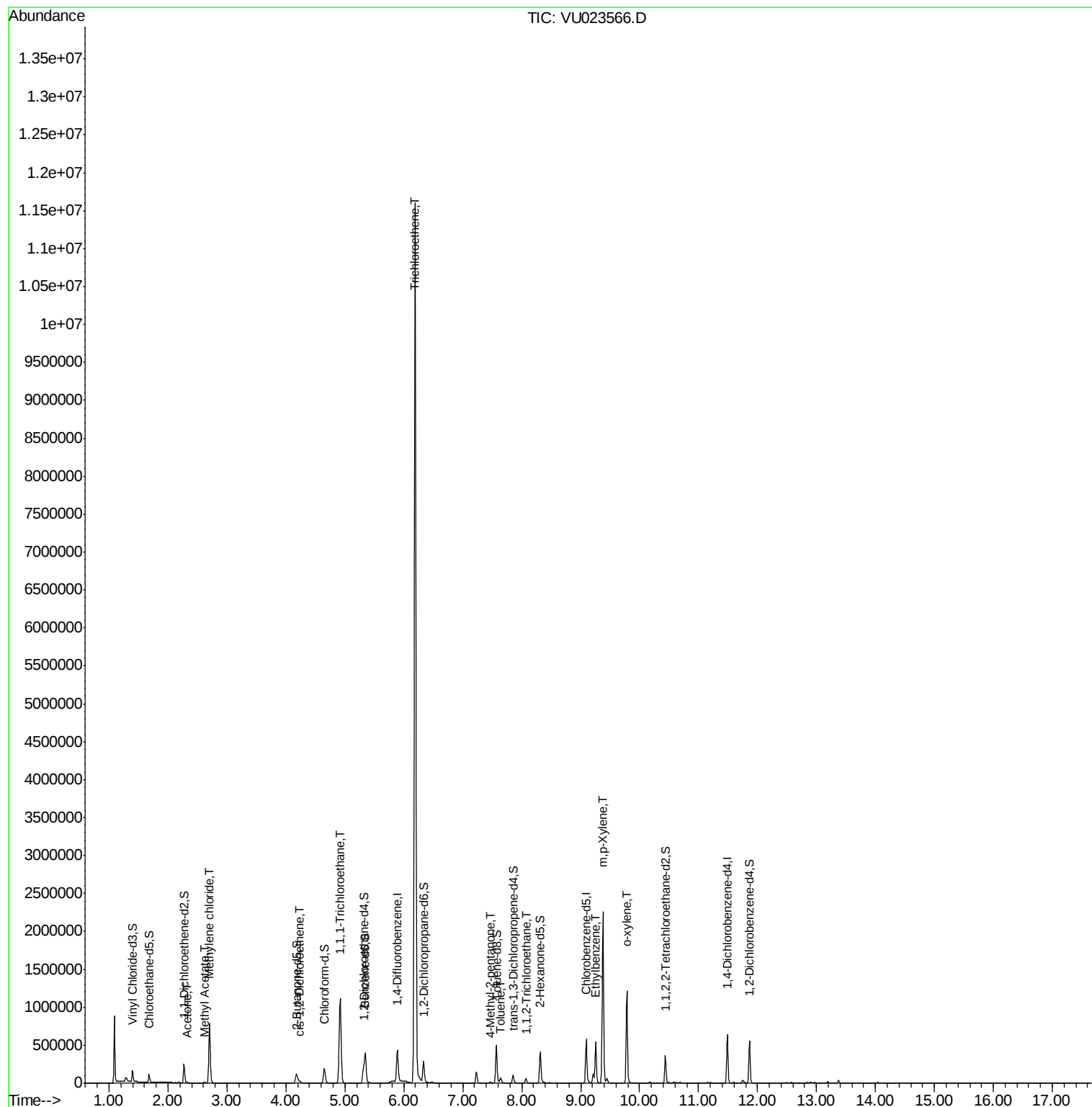
Target Compounds

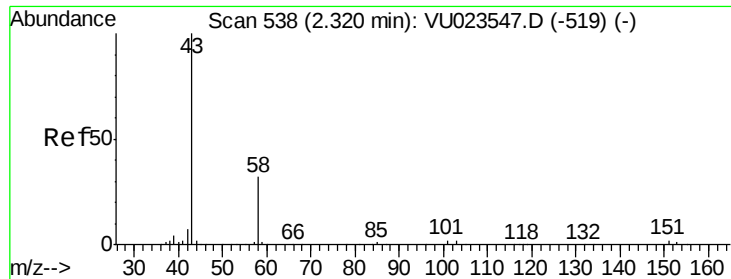
						Ovalue
13) Acetone	2.32	43	12757	4.91	ug/L	98
15) Methyl Acetate	2.62	43	17654	5.13	ug/L	99
16) Methylene chloride	2.70	84	344498	105.94	ug/L	100
20) cis-1,2-Dichloroethene	4.23	96	11260	3.56	ug/L	98
30) 1,1,1-Trichloroethane	4.92	97	863780	205.12	ug/L	99
34) Trichloroethene	6.19	95	4098308	1365.28	ug/L	97
40) 4-Methyl-2-pentanone	7.47	43	7611	1.86	ug/L	99
42) Toluene	7.64	91	49787	4.10	ug/L	100
45) 1,1,2-Trichloroethane	8.07	97	20054	7.03	ug/L	97
52) Ethylbenzene	9.26	91	389051	29.56	ug/L	100
53) m,p-Xylene	9.38	106	626040	124.70	ug/L	100
54) o-xylene	9.78	106	319499	67.17	ug/L	98

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

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Quant Title : VOC Analysis
QLast Update : Wed May 02 03:12:05 2018
Response via : Initial Calibration





#13

Acetone

Concen: 4.91 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU023566.D

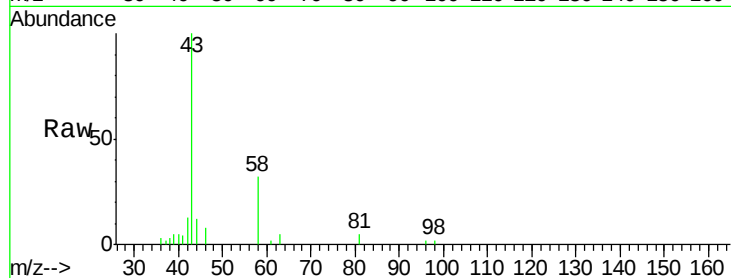
Acq: 01 May 2018 20:42

Tot Ion: 43 Resp: 12757

Ion Ratio Lower Upper

43 100

58 31.1 0.0 64.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

2.32

8000

6000

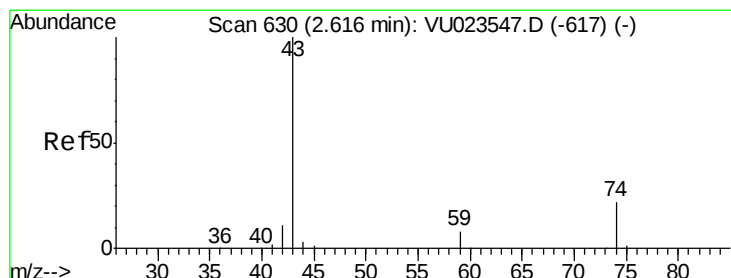
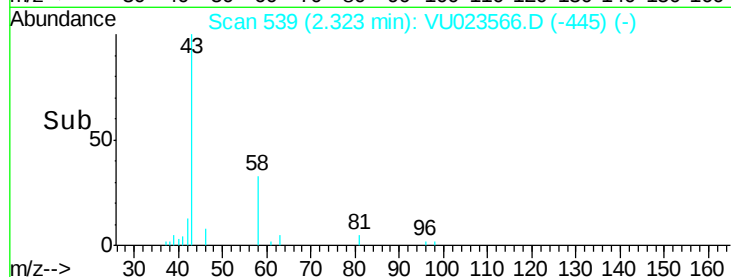
4000

2000

0

Time-->

2.25 2.30 2.35 2.40



#15

Methyl Acetate

Concen: 5.13 ug/L

RT: 2.62 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU023566.D

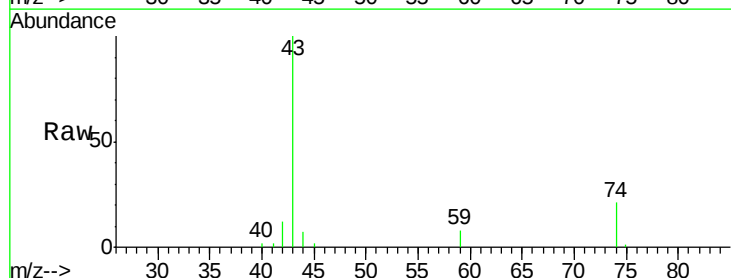
Acq: 01 May 2018 20:42

Tgt Ion: 43 Resp: 17654

Ion Ratio Lower Upper

43 100

74 21.4 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 74.00 (73.70 to 74.70): VU0

2.62

10000

8000

6000

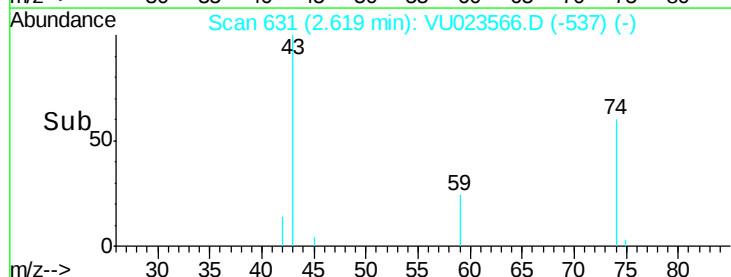
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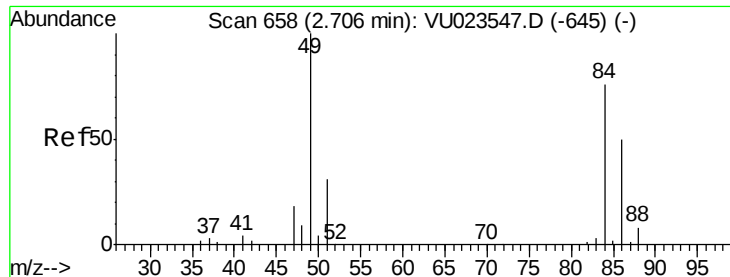
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0

Time-->

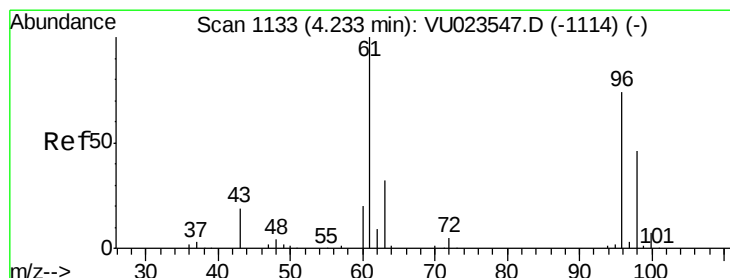
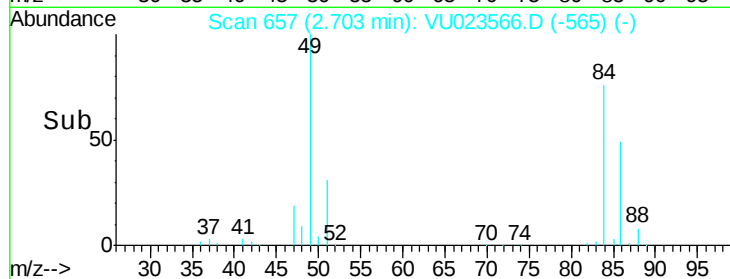
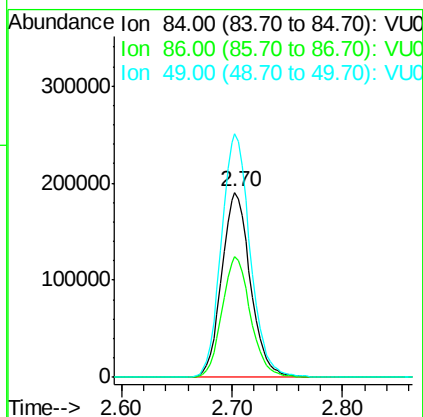
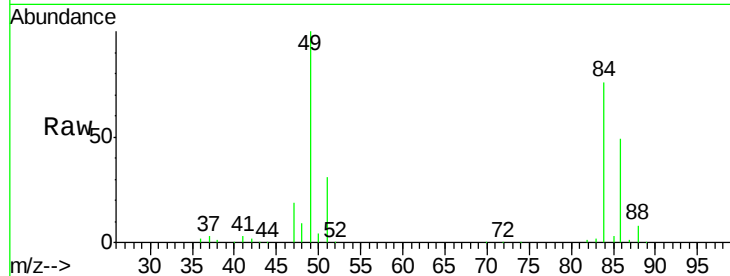
2.55 2.60 2.65 2.70





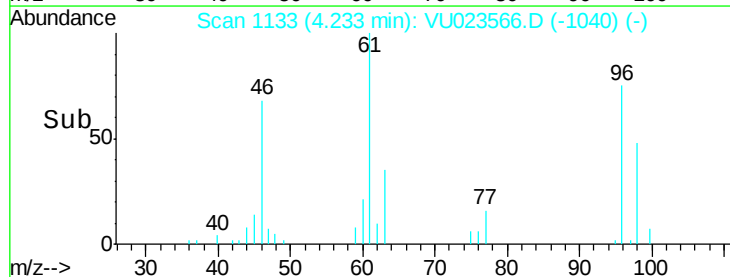
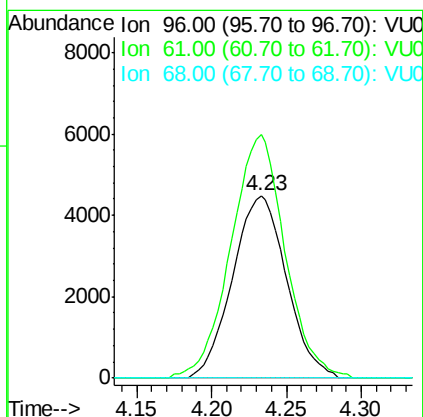
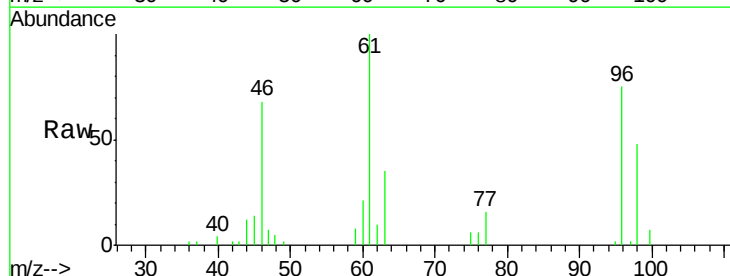
#16
Methylene chloride
Concen: 105.94 ug/L
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU023566.D
Acq: 01 May 2018 20:42

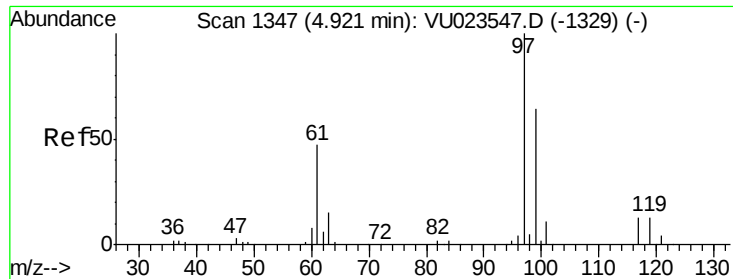
Tot Ion: 84 Resp: 344498
Ion Ratio Lower Upper
84 100
86 65.1 45.6 84.8
49 131.8 91.9 170.7



#20
cis-1,2-Dichloroethene
Concen: 3.56 ug/L
RT: 4.23 min Scan# 1133
Delta R.T. -0.00 min
Lab File: VU023566.D
Acq: 01 May 2018 20:42

Tgt Ion: 96 Resp: 11260
Ion Ratio Lower Upper
96 100
61 133.3 95.3 177.1
68 0.0 0.0 0.0

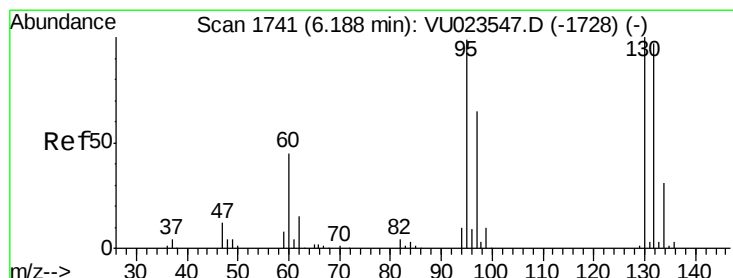
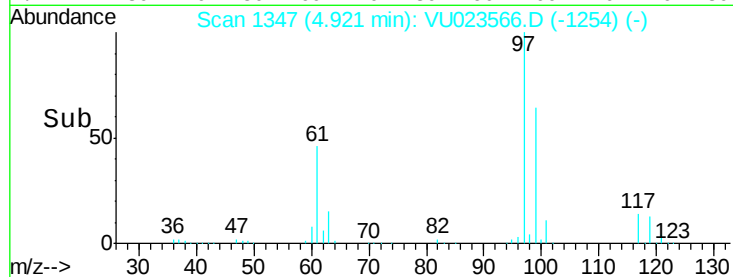
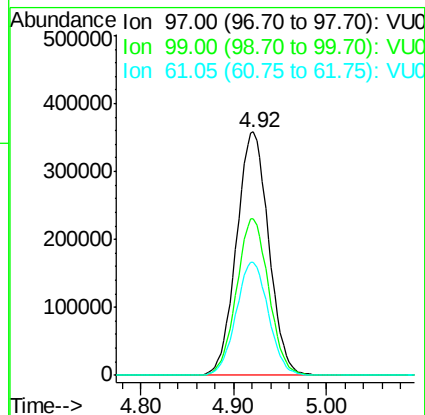
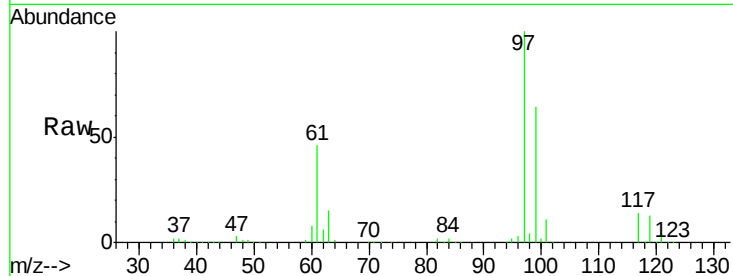




#30
 1,1,1-Trichloroethane
 Concen: 205.12 ug/L
 RT: 4.92 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: VU023566.D
 Acq: 01 May 2018 20:42

Tot Ion: 97 Resp: 863780

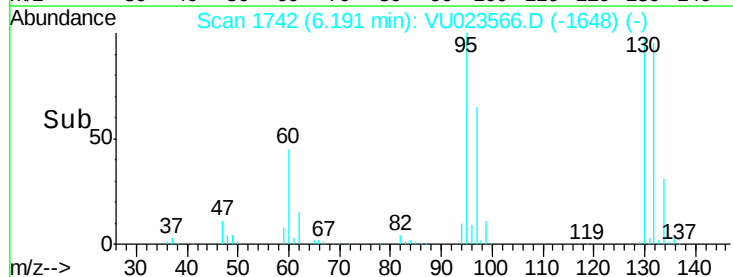
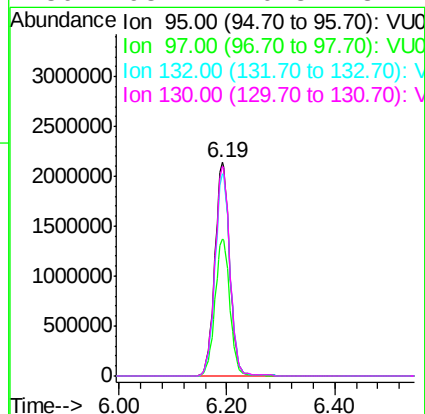
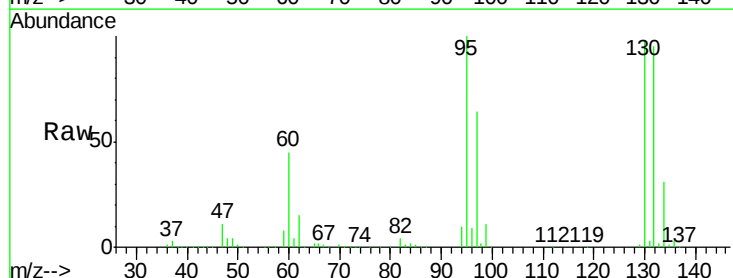
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.8	77.6
61	46.6	37.7	56.5

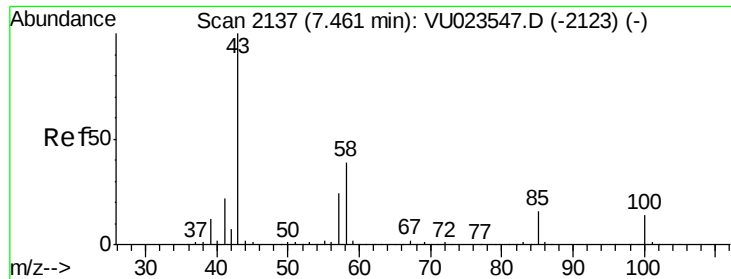


#34
 Trichloroethene
 Concen: 1365.28 ug/L
 RT: 6.19 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VU023566.D
 Acq: 01 May 2018 20:42

Tgt Ion: 95 Resp: 4098308

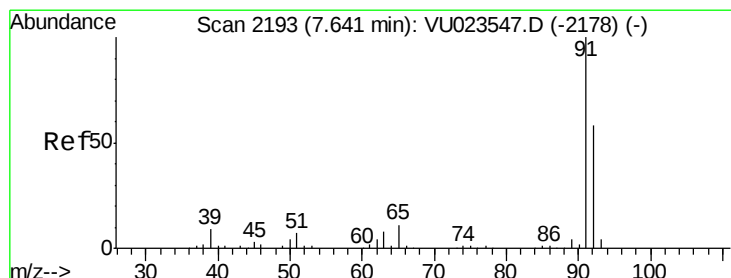
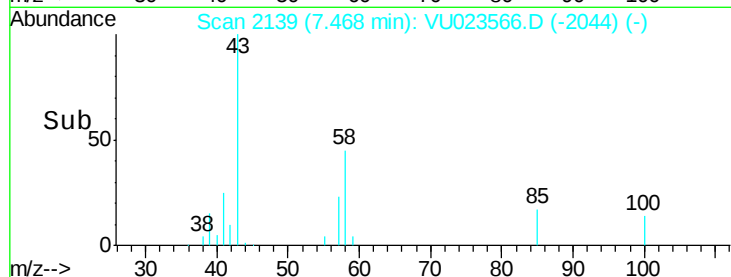
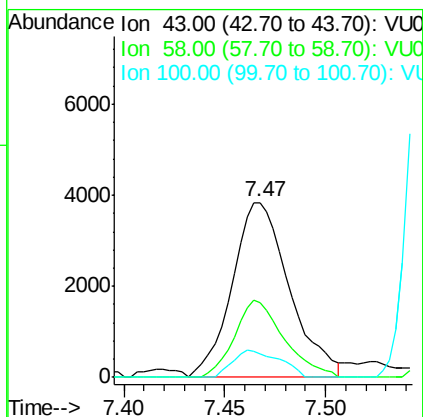
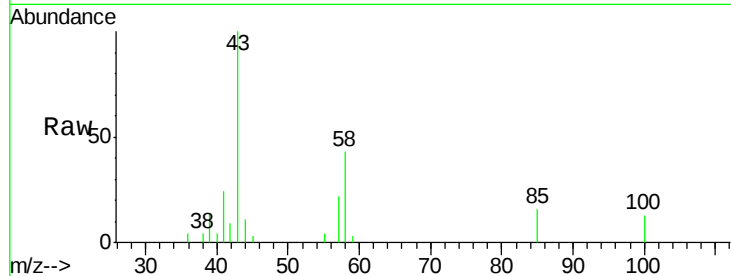
Ion	Ratio	Lower	Upper
95	100		
97	64.4	46.3	85.9
132	94.6	68.5	127.1
130	98.2	70.8	131.4





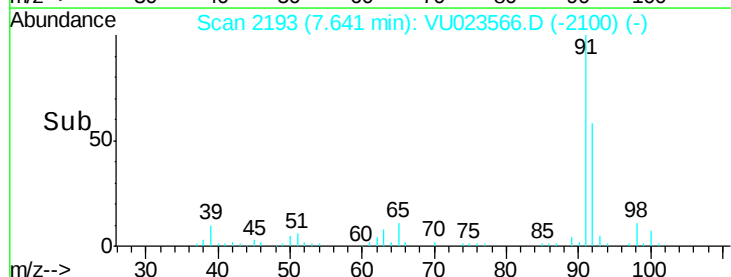
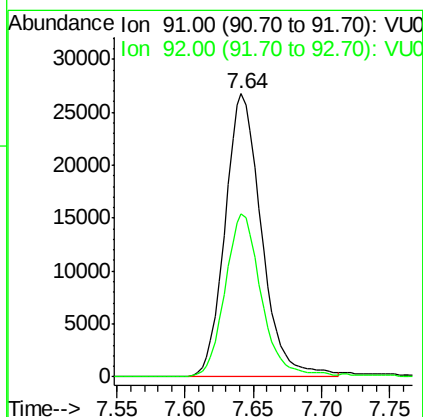
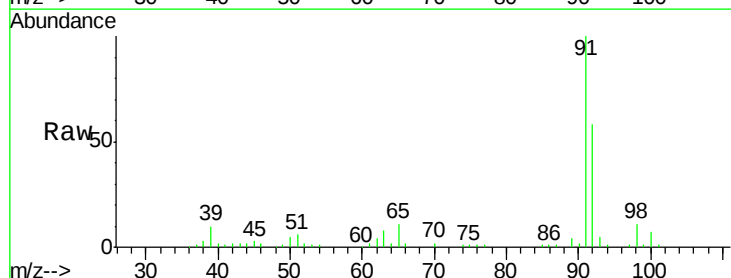
#40
4-Methyl-2-pentanone
Concen: 1.86 ug/L
RT: 7.47 min Scan# 2139
Delta R.T. 0.01 min
Lab File: VU023566.D
Acq: 01 May 2018 20:42

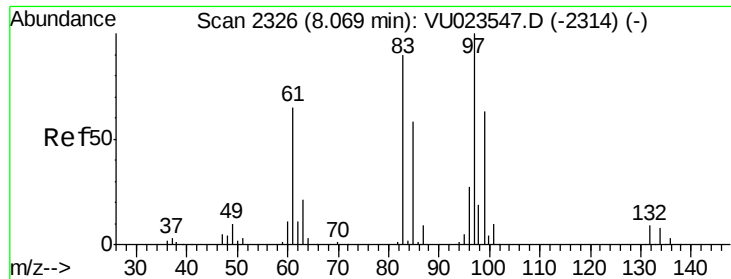
Tot Ion: 43 Resp: 7611
Ion Ratio Lower Upper
43 100
58 38.4 30.8 46.2
100 12.8 10.7 16.1



#42
Toluene
Concen: 4.10 ug/L
RT: 7.64 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VU023566.D
Acq: 01 May 2018 20:42

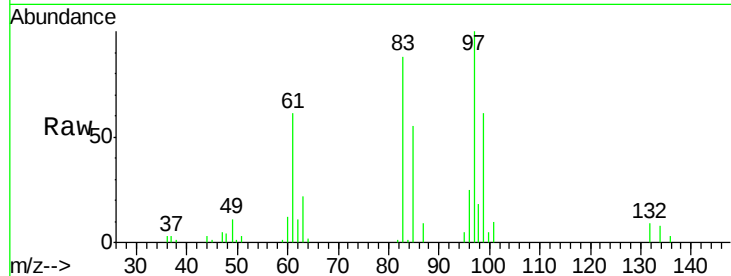
Tgt Ion: 91 Resp: 49787
Ion Ratio Lower Upper
91 100
92 57.8 40.3 74.9



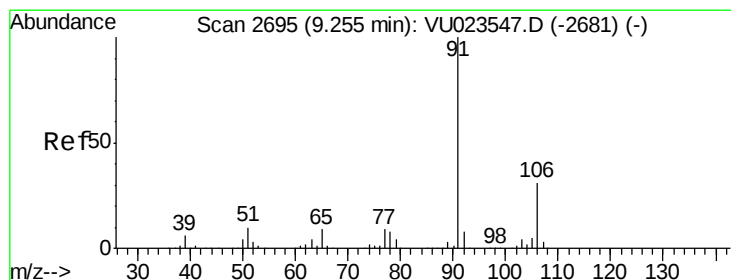
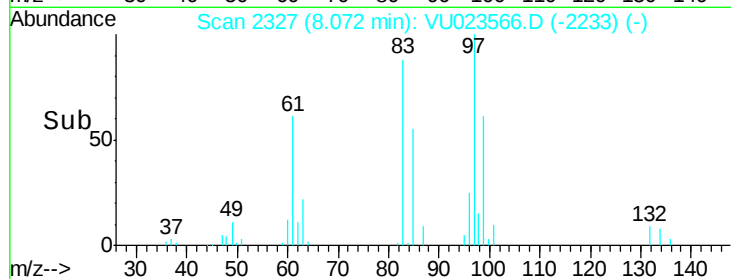
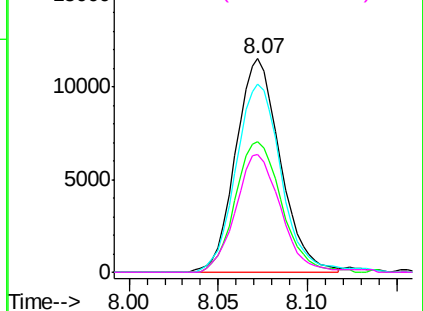


#45
 1,1,2-Trichloroethane
 Concen: 7.03 ug/L
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU023566.D
 Acq: 01 May 2018 20:42

Tot Ion:	97	Resp:	20054
Ion	Ratio	Lower	Upper
97	100		
99	61.2	44.2	82.2
83	87.8	63.1	117.1
85	55.3	40.3	74.8

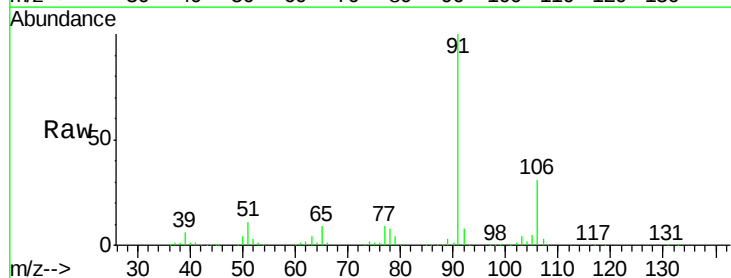


Abundance Ion 97.00 (96.70 to 97.70): VU0
 Ion 99.00 (98.70 to 99.70): VU0
 Ion 83.00 (82.70 to 83.70): VU0
 Ion 85.00 (84.70 to 85.70): VU0

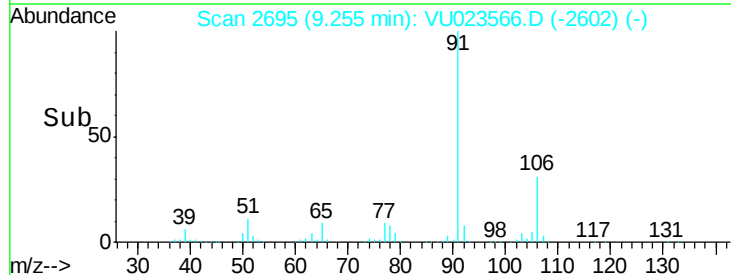
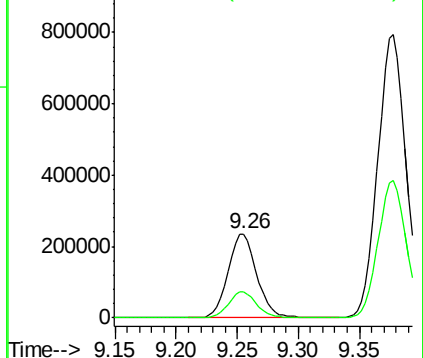


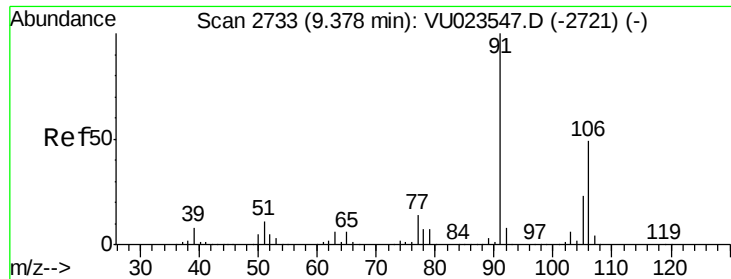
#52
 Ethylbenzene
 Concen: 29.56 ug/L
 RT: 9.26 min Scan# 2695
 Delta R.T. -0.00 min
 Lab File: VU023566.D
 Acq: 01 May 2018 20:42

Tgt Ion:	91	Resp:	389051
Ion	Ratio	Lower	Upper
91	100		
106	31.0	21.6	40.0



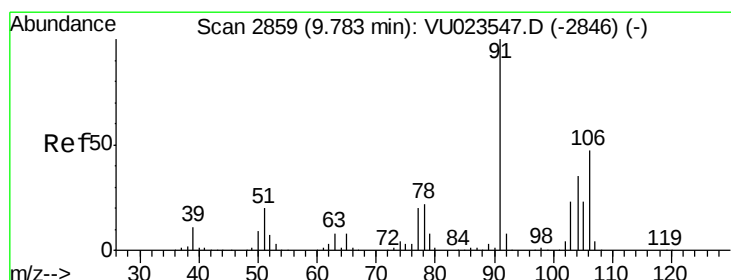
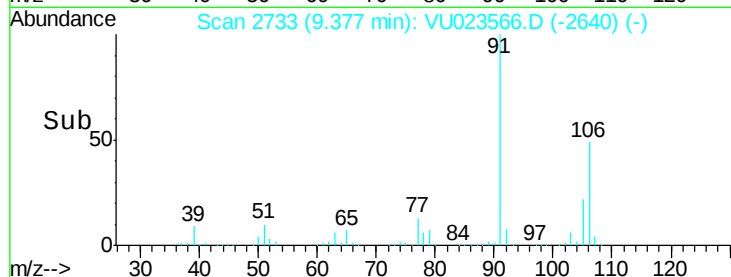
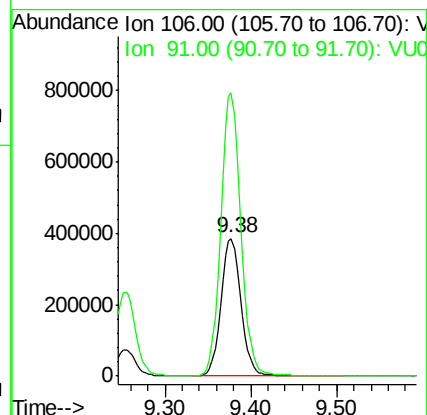
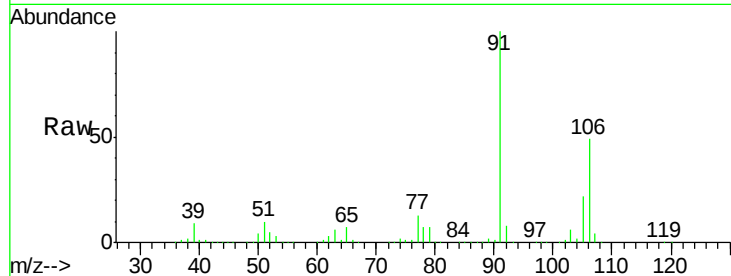
Abundance Ion 91.00 (90.70 to 91.70): VU0
 Ion 106.00 (105.70 to 106.70): V





#53
 m,p-Xylene
 Concen: 124.70 ug/L
 RT: 9.38 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VU023566.D
 Acq: 01 May 2018 20:42

Tot Ion:106 Resp: 626040
 Ion Ratio Lower Upper
 106 100
 91 205.5 144.1 267.5



#54
 o-xylene
 Concen: 67.17 ug/L
 RT: 9.78 min Scan# 2859
 Delta R.T. -0.00 min
 Lab File: VU023566.D
 Acq: 01 May 2018 20:42

Tgt Ion:106 Resp: 319499
 Ion Ratio Lower Upper
 106 100
 91 216.3 148.9 276.5

