

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050218\
 Data File : VU023592.D
 Acq On : 02 May 2018 21:24
 Operator : MD/SY
 Sample : J2621-09
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: May 03 07:08:56 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	5.89	114	337011	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	319362	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	154888	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	85353	35.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.46%
7) Chloroethane-d5	1.68	69	73543	40.39	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	80.78%
11) 1,1-Dichloroethene-d2	2.27	63	124042	26.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	53.28%#
21) 2-Butanone-d5	4.18	46	214667	130.08	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	130.08%#
24) Chloroform-d	4.65	84	186232	47.15	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.30%
26) 1,2-Dichloroethane-d4	5.31	65	127231	46.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.62%
32) Benzene-d6	5.35	84	375257	43.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.58%
36) 1,2-Dichloropropane-d6	6.34	67	136461	47.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.10%
41) Toluene-d8	7.57	98	330850	41.88	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.76%
43) trans-1,3-Dichloropropene-	7.85	79	54986	44.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.00%
47) 2-Hexanone-d5	8.31	63	157135	144.17	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	144.17%#
57) 1,1,2,2-Tetrachloroethane-	10.44	84	194474	52.39	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	104.78%
64) 1,2-Dichlorobenzene-d4	11.87	152	142577	47.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.38%

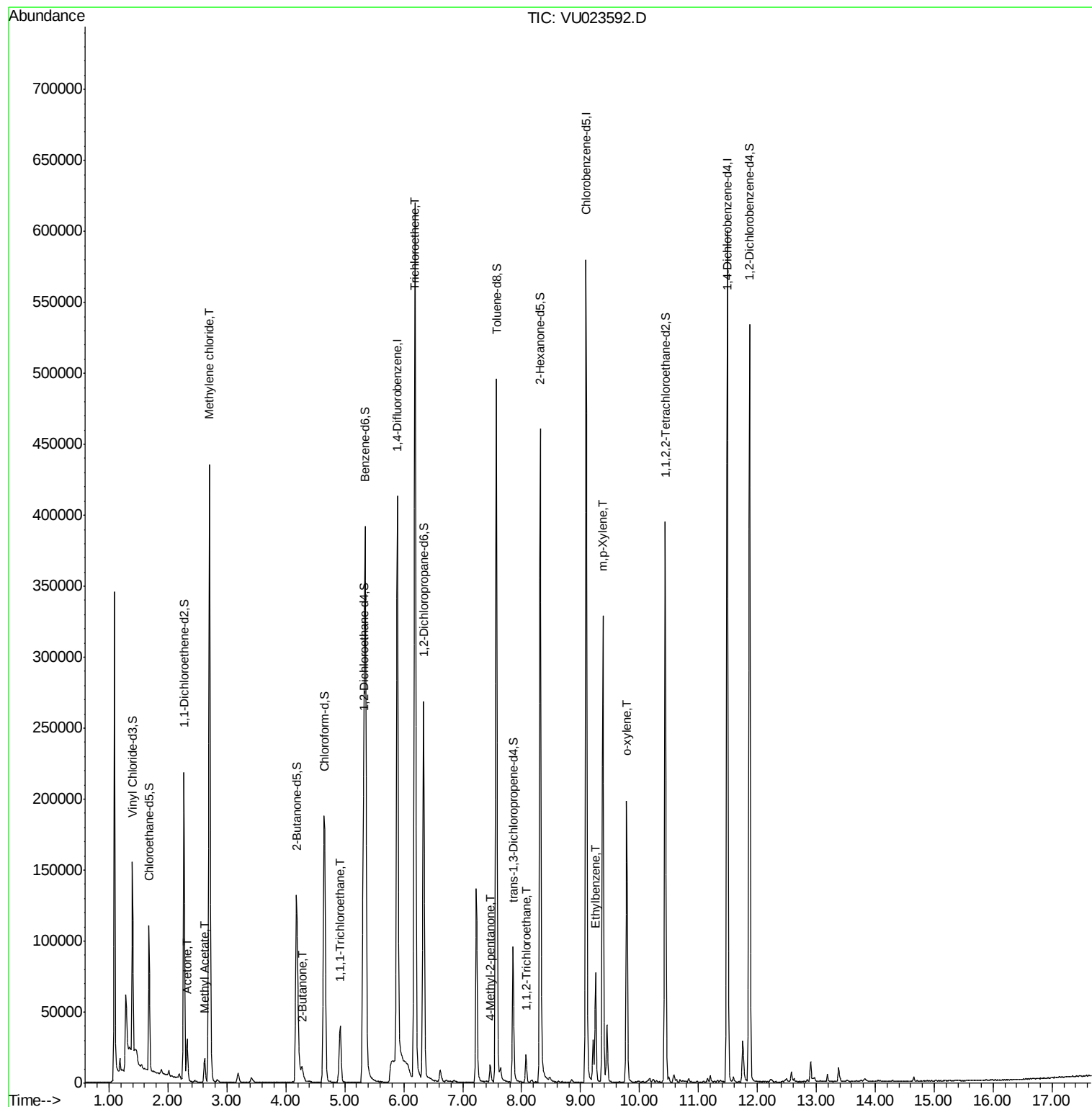
Target Compounds

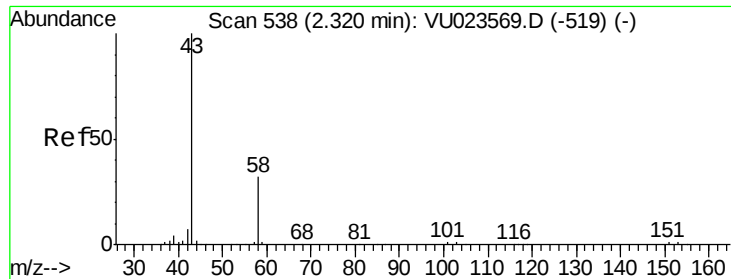
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.32	43	29882	12.19	ug/L	99
15) Methyl Acetate	2.62	43	20861	6.42	ug/L	99
16) Methylene chloride	2.70	84	192752	62.79	ug/L	99
22) 2-Butanone	4.27	43	16488	6.05	ug/L	99
30) 1,1,1-Trichloroethane	4.92	97	30921	7.64	ug/L	99
34) Trichloroethene	6.19	95	219660	76.18	ug/L	98
40) 4-Methyl-2-pentanone	7.47	43	8644	2.20	ug/L	97
45) 1,1,2-Trichloroethane	8.07	97	6080	2.22	ug/L	98
52) Ethylbenzene	9.26	91	52357	4.14	ug/L	98
53) m,p-Xylene	9.38	106	89378	18.53	ug/L	99
54) o-xylene	9.78	106	51481	11.27	ug/L	97

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

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Quant Title : VOC Analysis
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Response via : Initial Calibration





#13

Acetone

Concen: 12.19 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU023592.D

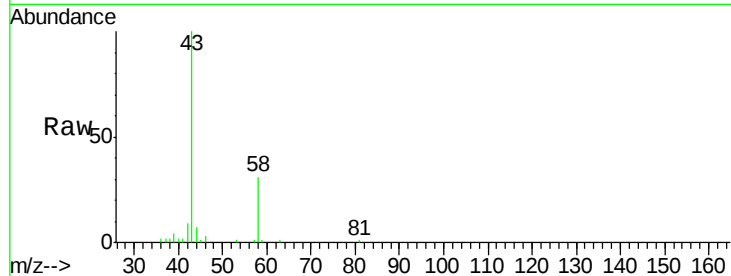
Acq: 02 May 2018 21:24

Tot Ion: 43 Resp: 29882

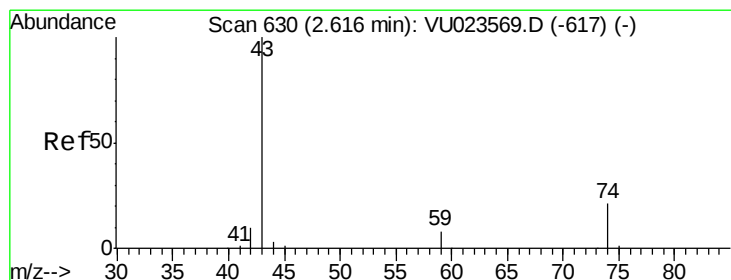
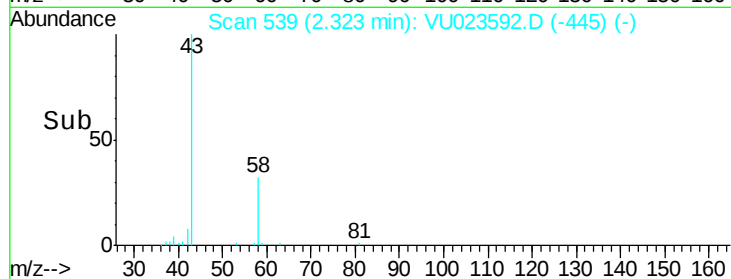
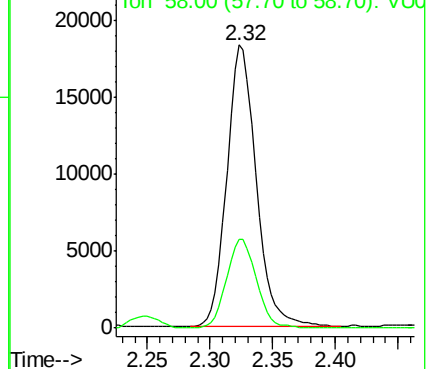
Ion Ratio Lower Upper

43 100

58 31.9 0.0 64.8



Abundance Ion 43.00 (42.70 to 43.70): VU0



#15

Methyl Acetate

Concen: 6.42 ug/L

RT: 2.62 min Scan# 632

Delta R.T. 0.01 min

Lab File: VU023592.D

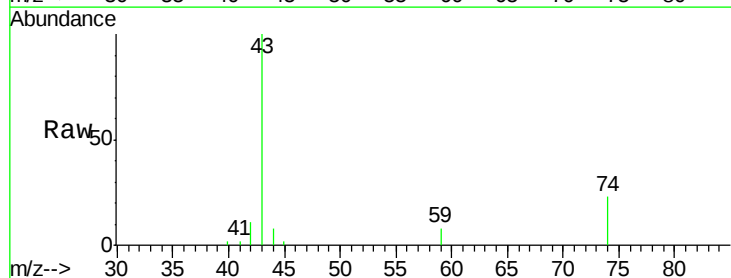
Acq: 02 May 2018 21:24

Tgt Ion: 43 Resp: 20861

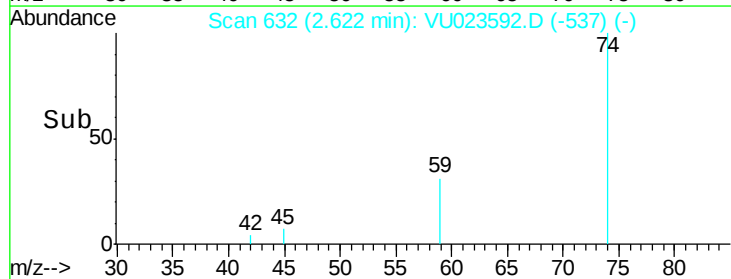
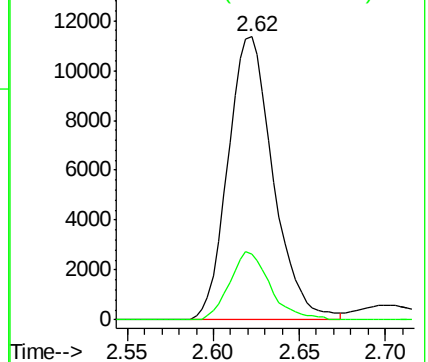
Ion Ratio Lower Upper

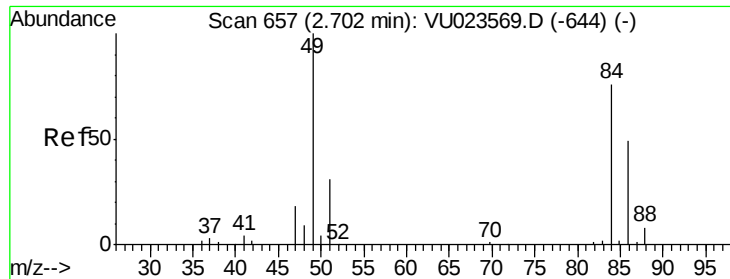
43 100

74 21.6 17.5 26.3



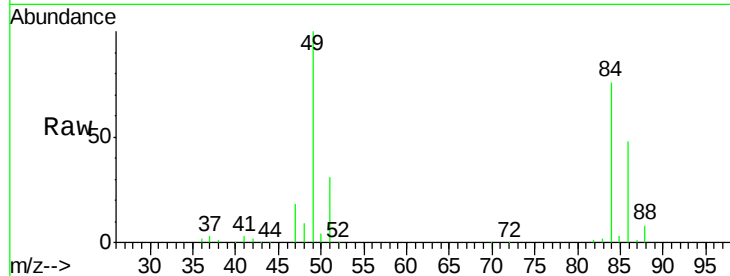
Abundance Ion 43.00 (42.70 to 43.70): VU0



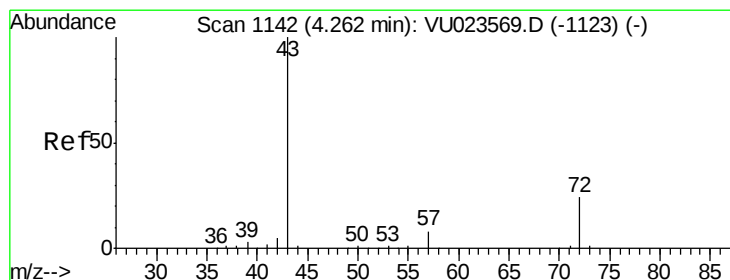
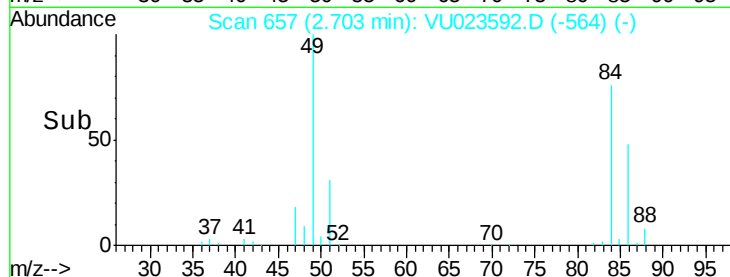
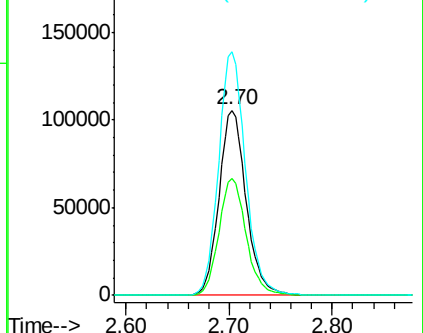


#16
Methvlene chloride
Concen: 62.79 ug/L
RT: 2.70 min Scan# 657
Delta R.T. 0.00 min
Lab File: VU023592.D
Acq: 02 May 2018 21:24

Tot Ion: 84 Resp: 192752
Ion Ratio Lower Upper
84 100
86 63.2 45.6 84.8
49 131.6 91.9 170.7

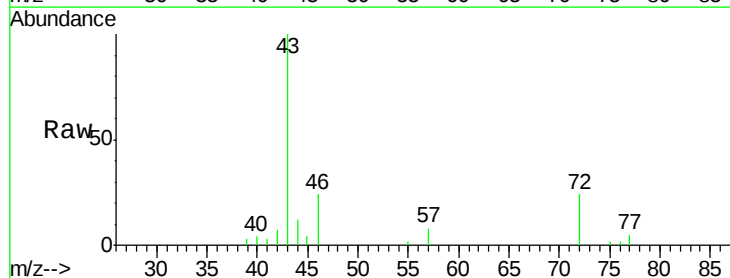


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.00 (48.70 to 49.70): VU0

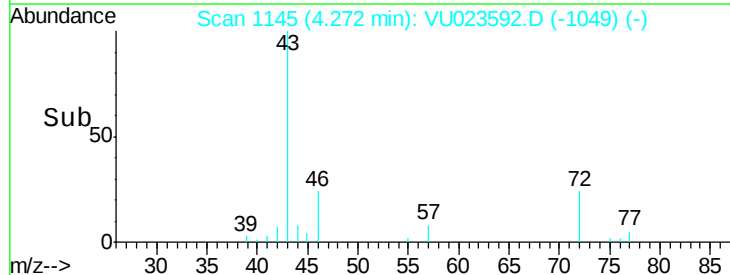
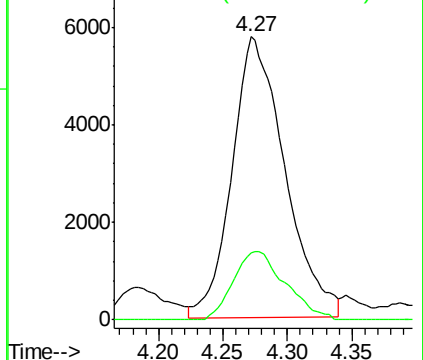


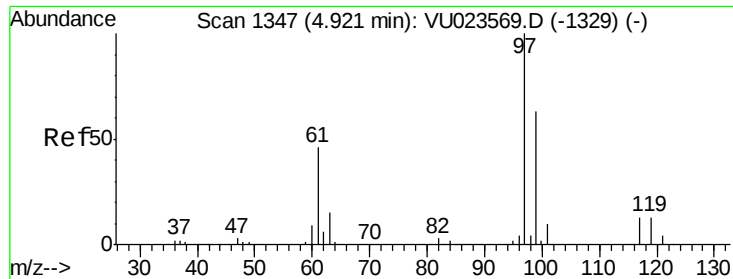
#22
2-Butanone
Concen: 6.05 ug/L
RT: 4.27 min Scan# 1145
Delta R.T. 0.01 min
Lab File: VU023592.D
Acq: 02 May 2018 21:24

Tgt Ion: 43 Resp: 16488
Ion Ratio Lower Upper
43 100
72 23.9 12.3 36.8



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





#30

1,1,1-Trichloroethane

Concen: 7.64 ug/L

RT: 4.92 min Scan# 1346

Delta R.T. -0.00 min

Lab File: VU023592.D

Acq: 02 May 2018 21:24

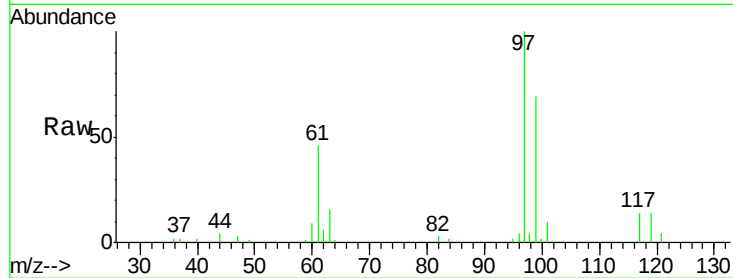
Tot Ion: 97 Resp: 30921

Ion Ratio Lower Upper

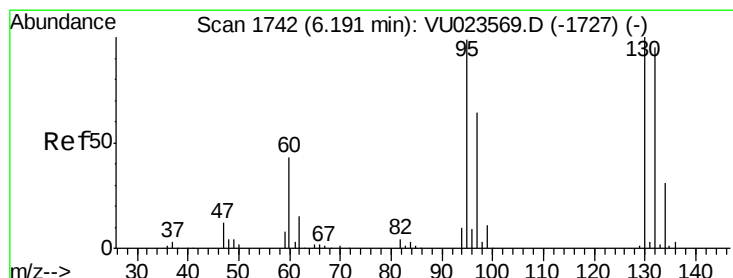
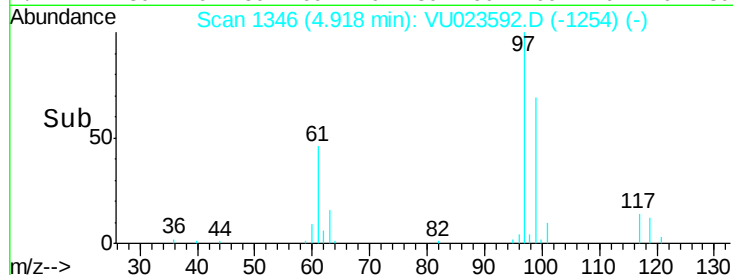
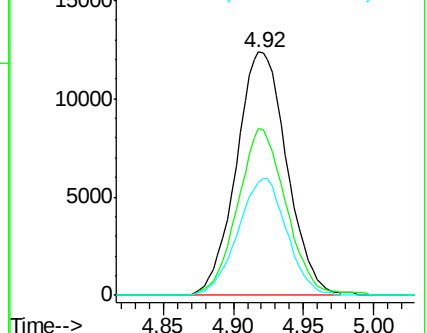
97 100

99 65.8 51.8 77.6

61 46.5 37.7 56.5



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0



#34

Trichloroethene

Concen: 76.18 ug/L

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU023592.D

Acq: 02 May 2018 21:24

Tgt Ion: 95 Resp: 219660

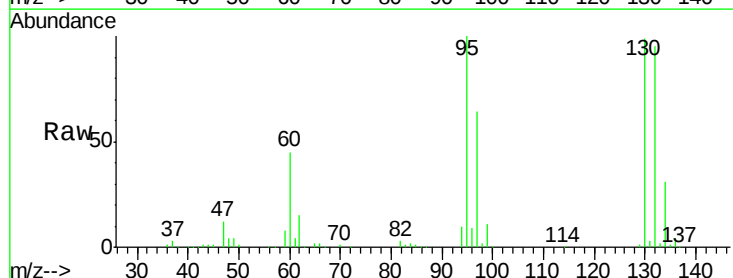
Ion Ratio Lower Upper

95 100

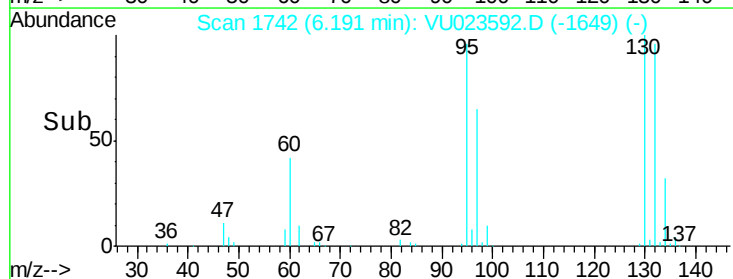
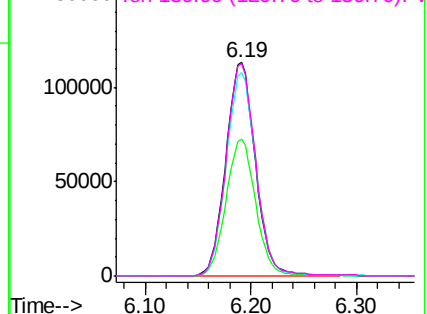
97 64.2 46.3 85.9

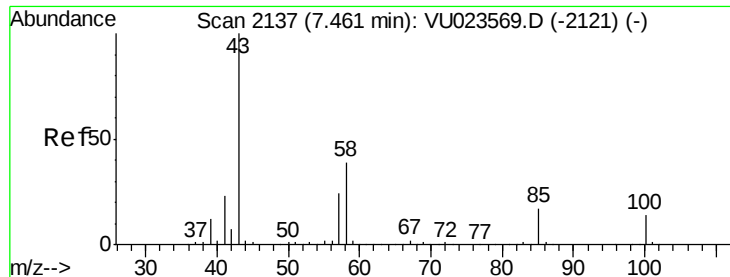
132 95.4 68.5 127.1

130 99.3 70.8 131.4



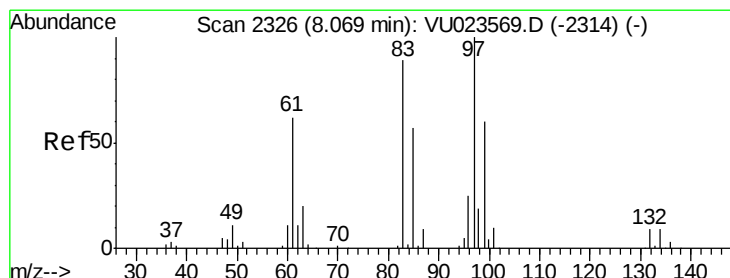
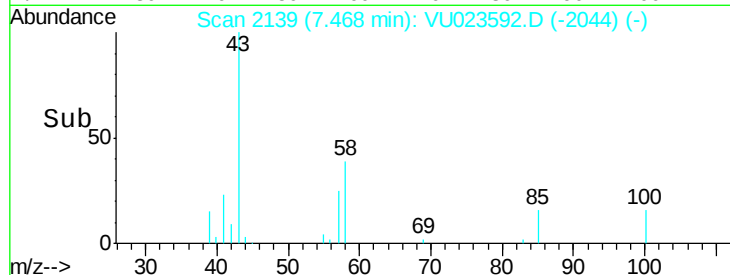
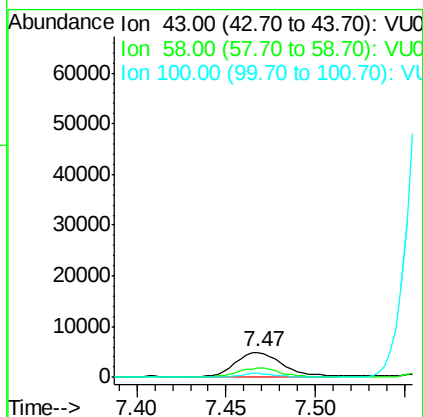
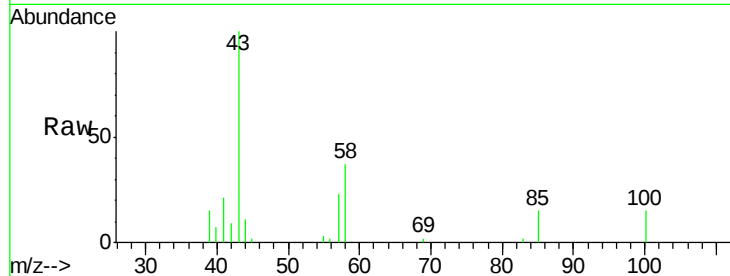
Abundance Ion 95.00 (94.70 to 95.70): VU0
Ion 97.00 (96.70 to 97.70): VU0
Ion 132.00 (131.70 to 132.70): V
Ion 130.00 (129.70 to 130.70): V





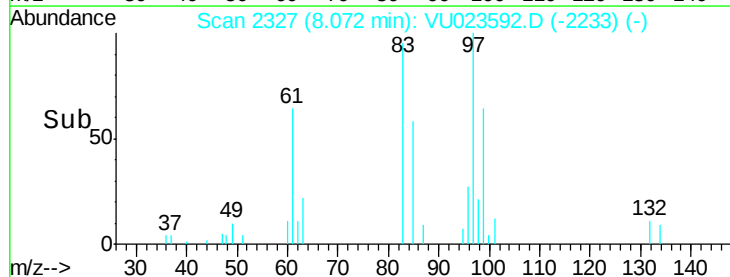
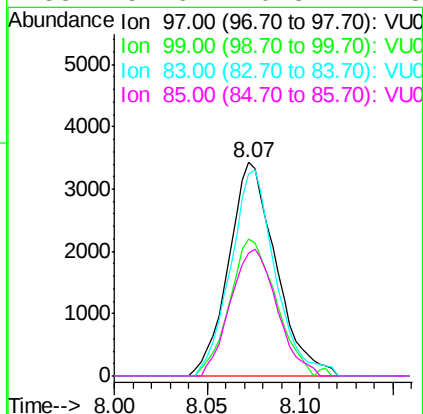
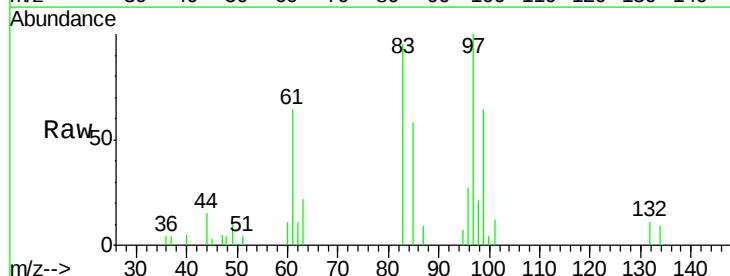
#40
 4-Methyl-2-pentanone
 Concen: 2.20 ug/L
 RT: 7.47 min Scan# 2139
 Delta R.T. 0.01 min
 Lab File: VU023592.D
 Acq: 02 May 2018 21:24

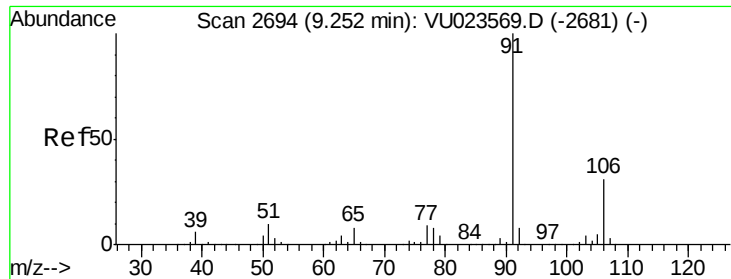
Tot Ion: 43 Resp: 8644
 Ion Ratio Lower Upper
 43 100
 58 36.7 30.8 46.2
 100 12.6 10.7 16.1



#45
 1,1,2-Trichloroethane
 Concen: 2.22 ug/L
 RT: 8.07 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VU023592.D
 Acq: 02 May 2018 21:24

Tgt Ion: 97 Resp: 6080
 Ion Ratio Lower Upper
 97 100
 99 63.9 44.2 82.2
 83 94.8 63.1 117.1
 85 57.6 40.3 74.8





#52

Ethylbenzene

Concen: 4.14 ug/L

RT: 9.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU023592.D

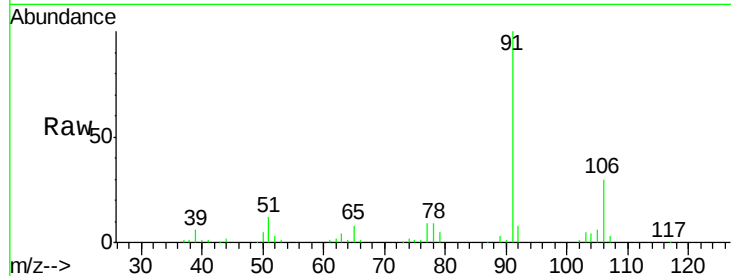
Acq: 02 May 2018 21:24

Tot Ion: 91 Resp: 52357

Ion Ratio Lower Upper

91 100

106 29.9 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VU023569.D (-2681) (-)

Ion 106.00 (105.70 to 106.70): VU023569.D (-2681) (-)

9.26

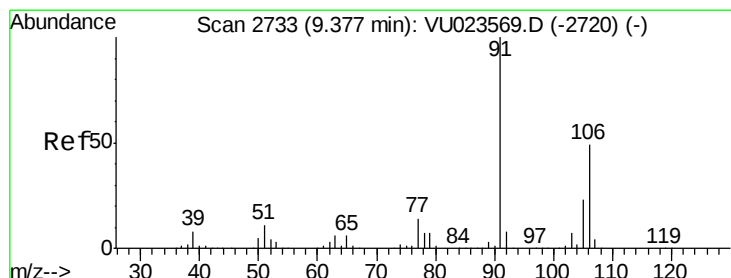
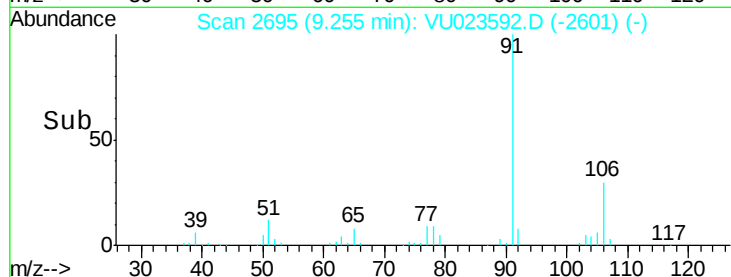
30000

20000

10000

0

Time-->



#53

m,p-Xylene

Concen: 18.53 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU023592.D

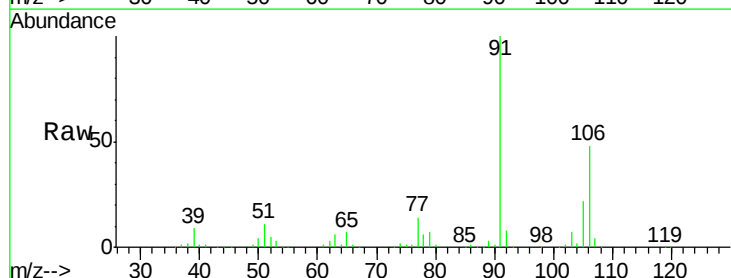
Acq: 02 May 2018 21:24

Tgt Ion: 106 Resp: 89378

Ion Ratio Lower Upper

106 100

91 207.6 144.1 267.5



Abundance Ion 106.00 (105.70 to 106.70): VU023569.D (-2720) (-)

Ion 91.00 (90.70 to 91.70): VU023569.D (-2720) (-)

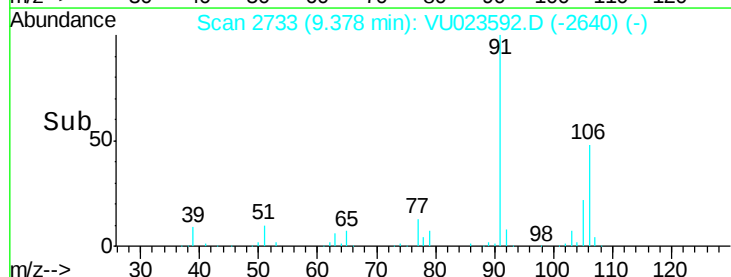
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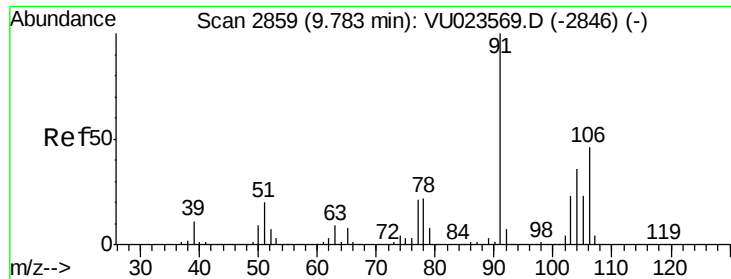
100000

50000

0

Time-->





#54
 o-xylene
 Concen: 11.27 ug/L
 RT: 9.78 min Scan# 2859
 Delta R.T. 0.00 min
 Lab File: VU023592.D
 Acq: 02 May 2018 21:24

Tot Ion:106 Resp: 51481
 Ion Ratio Lower Upper
 106 100
 91 217.0 148.9 276.5

