

Data Path : W:\HPCHEM1\MSVOA U\DATA\VU050118\
 Data File : VU023560.D
 Acq On : 01 May 2018 18:04
 Operator : MD/SY
 Sample : J2621-01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: May 02 03:48:11 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	317718	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	303082	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	151097	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	98973	43.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.90%
7) Chloroethane-d5	1.68	69	77518	45.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.32%
11) 1,1-Dichloroethene-d2	2.27	63	147213	33.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.06%
21) 2-Butanone-d5	4.18	46	170945	109.88	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.88%
24) Chloroform-d	4.65	84	183999	49.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.82%
26) 1,2-Dichloroethane-d4	5.31	65	124803	48.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.38%
32) Benzene-d6	5.35	84	387476	47.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.30%
36) 1,2-Dichloropropane-d6	6.34	67	134864	49.51	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.02%
41) Toluene-d8	7.57	98	350716	46.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.56%
43) trans-1,3-Dichloropropene-	7.85	79	55610	47.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.86%
47) 2-Hexanone-d5	8.31	63	128565	124.30	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	124.30%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	174320	49.48	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.96%
64) 1,2-Dichlorobenzene-d4	11.86	152	144855	49.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.28%

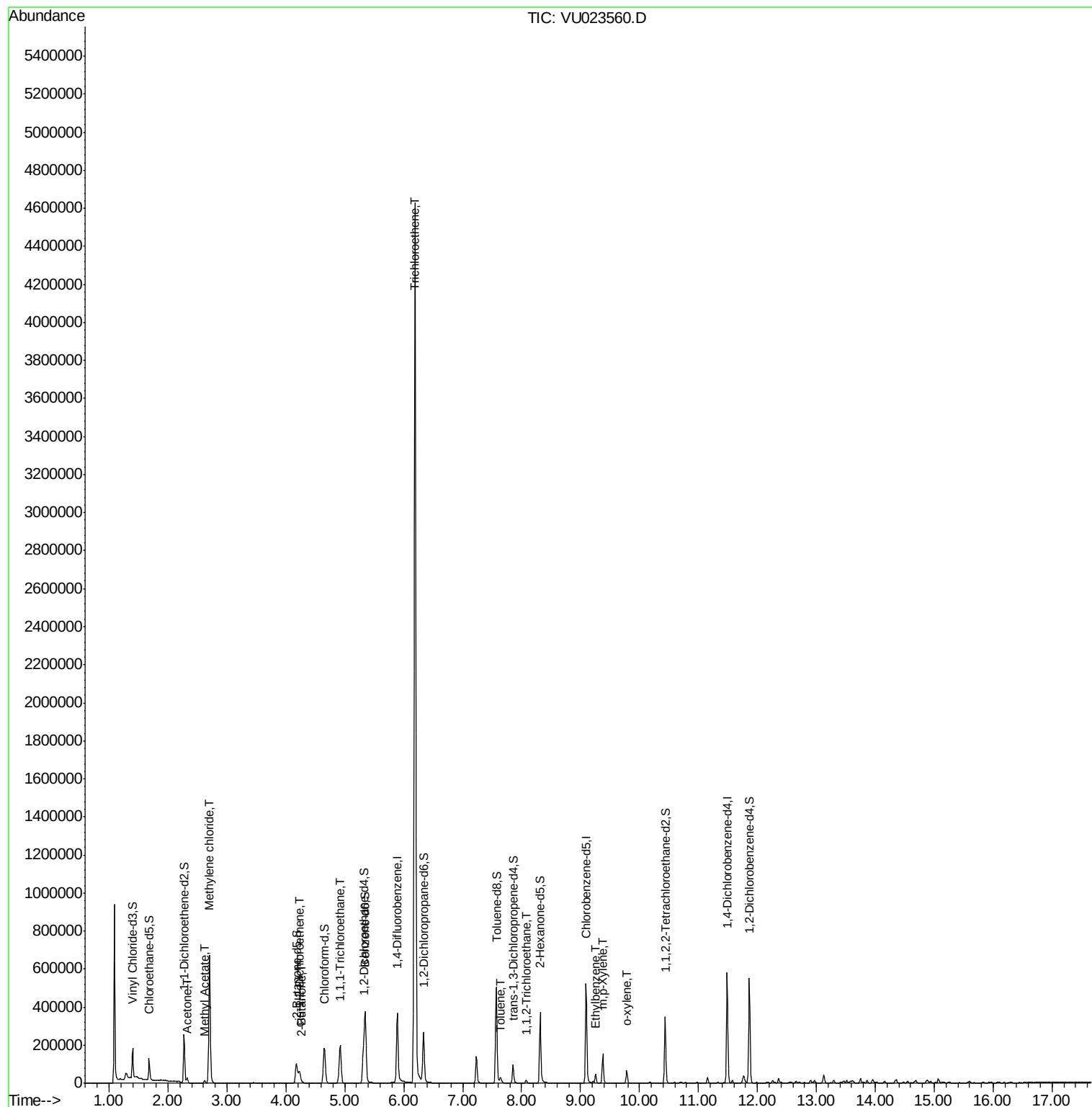
Target Compounds

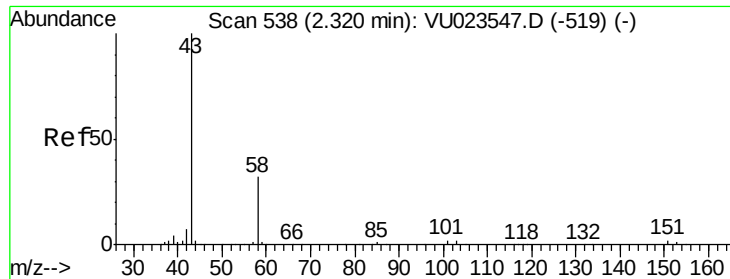
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Acetone	2.32	43	27279	11.80	ug/L	100
15) Methyl Acetate	2.62	43	17182	5.61	ug/L	98
16) Methylene chloride	2.70	84	295929	102.25	ug/L	98
20) cis-1,2-Dichloroethene	4.23	96	31087	11.04	ug/L	97
22) 2-Butanone	4.27	43	5813	2.26	ug/L	100
30) 1,1,1-Trichloroethane	4.92	97	154587	40.27	ug/L	100
34) Trichloroethene	6.19	95	1635828	597.78	ug/L	98
42) Toluene	7.64	91	19346	1.75	ug/L	97
45) 1,1,2-Trichloroethane	8.07	97	5501	2.12	ug/L	96
52) Ethylbenzene	9.26	91	34225	2.85	ug/L	99
53) m,p-Xylene	9.38	106	43608	9.53	ug/L	98
54) o-xylene	9.78	106	18487	4.26	ug/L	99

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

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QLast Update : Wed May 02 03:12:05 2018
Response via : Initial Calibration





#13

Acetone

Concen: 11.80 ug/L

RT: 2.32 min Scan# 539

Delta R.T. 0.00 min

Lab File: VU023560.D

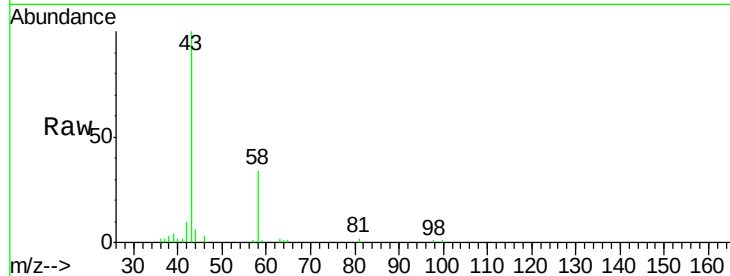
Acq: 01 May 2018 18:04

Tot Ion: 43 Resp: 27279

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

2.32

15000

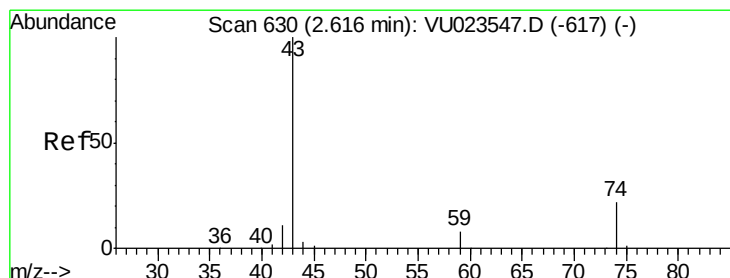
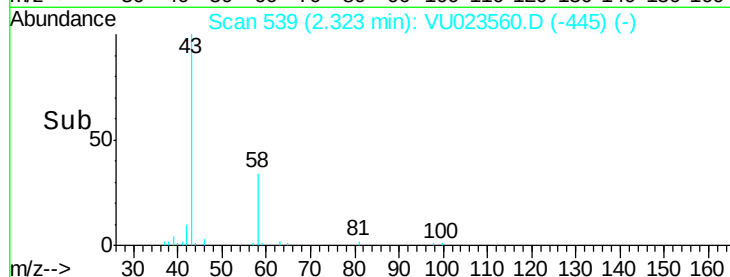
10000

5000

0

Time-->

2.25 2.30 2.35 2.40



#15

Methyl Acetate

Concen: 5.61 ug/L

RT: 2.62 min Scan# 631

Delta R.T. 0.00 min

Lab File: VU023560.D

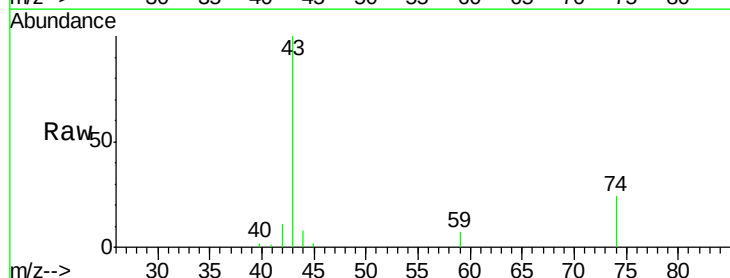
Acq: 01 May 2018 18:04

Tgt Ion: 43 Resp: 17182

Ion Ratio Lower Upper

43 100

74 20.9 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

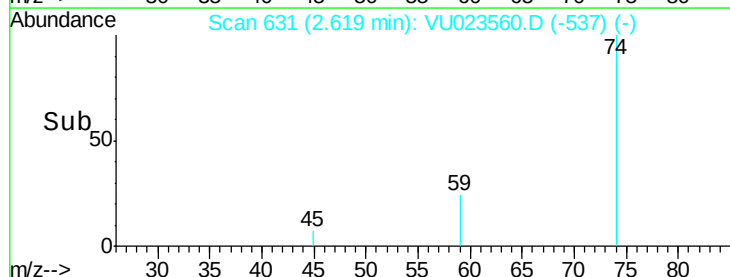
4000

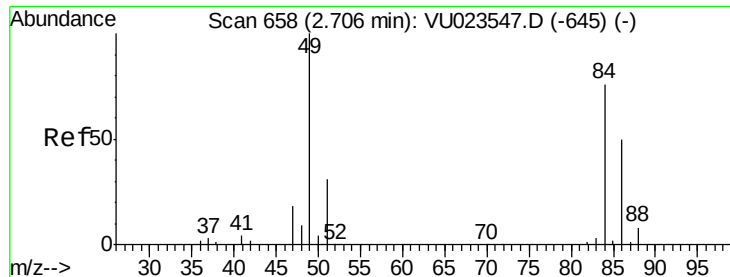
2000

0

Time-->

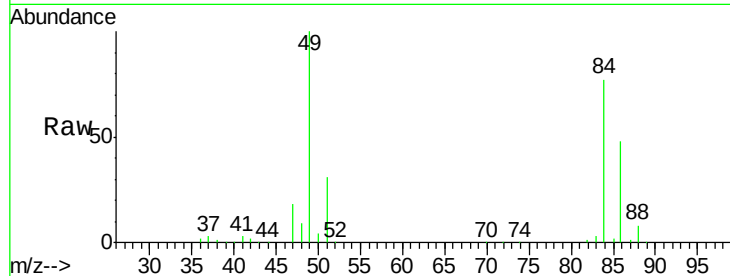
2.55 2.60 2.65 2.70



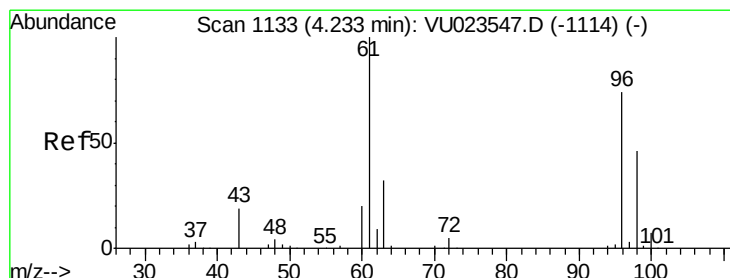
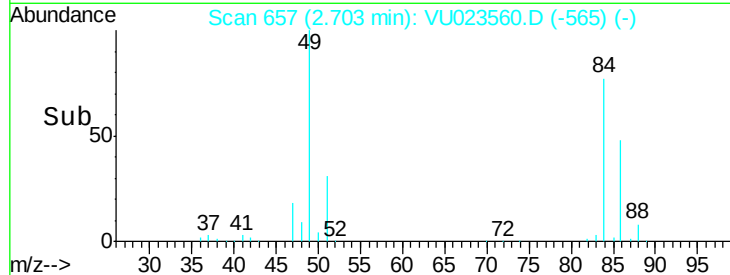
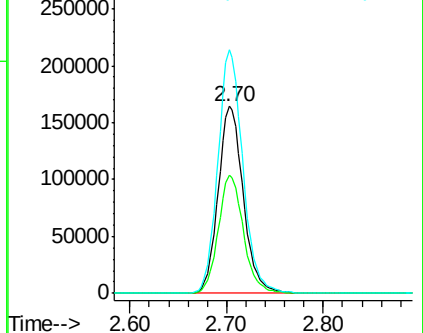


#16
Methvlene chloride
Concen: 102.25 ug/L
RT: 2.70 min Scan# 657
Delta R.T. -0.00 min
Lab File: VU023560.D
Acq: 01 May 2018 18:04

Tot Ion: 84 Resp: 295929
Ion Ratio Lower Upper
84 100
86 62.9 45.6 84.8
49 130.2 91.9 170.7

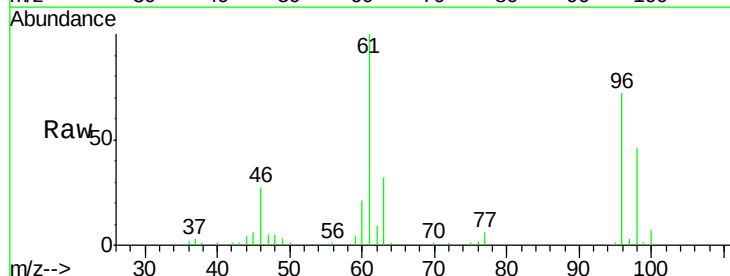


Abundance Ion 84.00 (83.70 to 84.70): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.00 (48.70 to 49.70): VU0

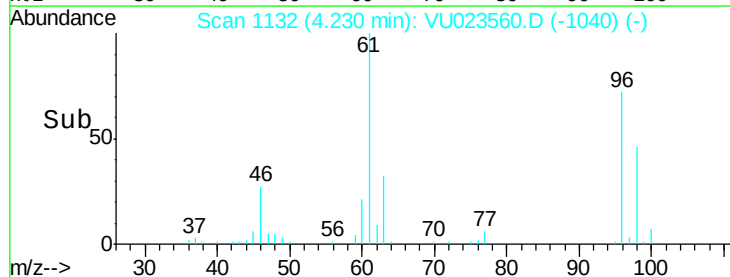
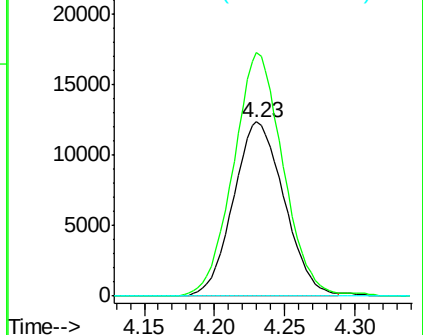


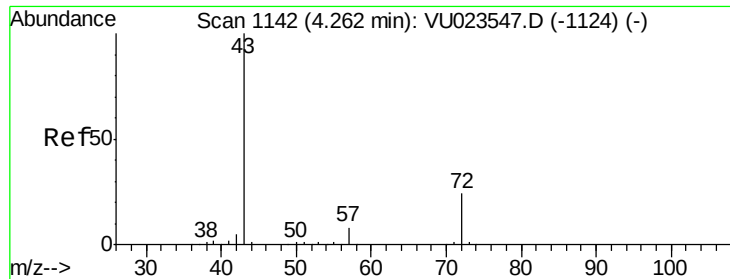
#20
cis-1,2-Dichloroethene
Concen: 11.04 ug/L
RT: 4.23 min Scan# 1132
Delta R.T. -0.00 min
Lab File: VU023560.D
Acq: 01 May 2018 18:04

Tgt Ion: 96 Resp: 31087
Ion Ratio Lower Upper
96 100
61 139.7 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: 2.26 ug/L

RT: 4.27 min Scan# 1146

Delta R.T. 0.01 min

Lab File: VU023560.D

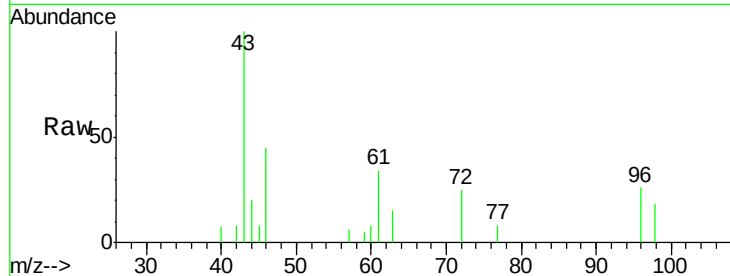
Acq: 01 May 2018 18:04

Tot Ion: 43 Resp: 5813

Ion Ratio Lower Upper

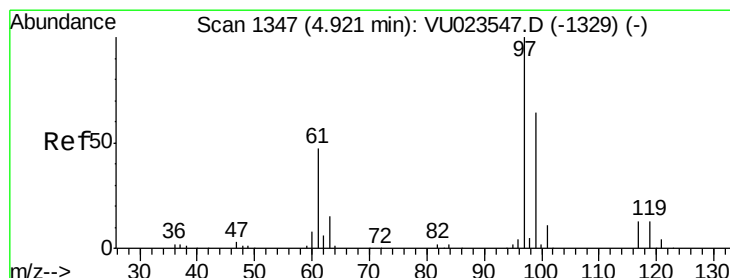
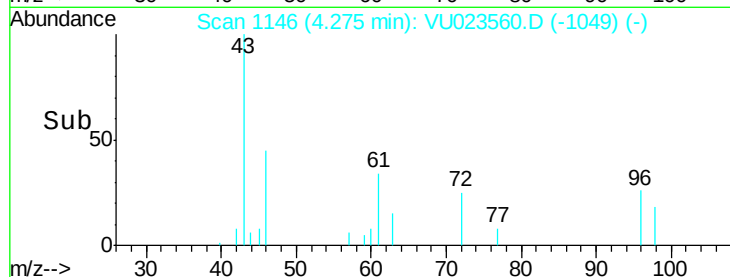
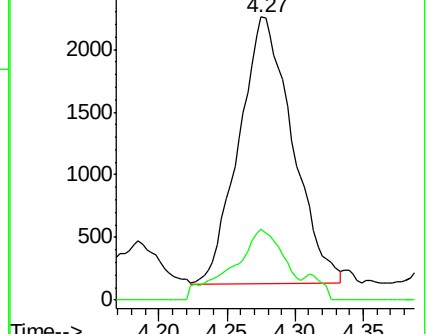
43 100

72 24.5 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: 40.27 ug/L

RT: 4.92 min Scan# 1347

Delta R.T. 0.00 min

Lab File: VU023560.D

Acq: 01 May 2018 18:04

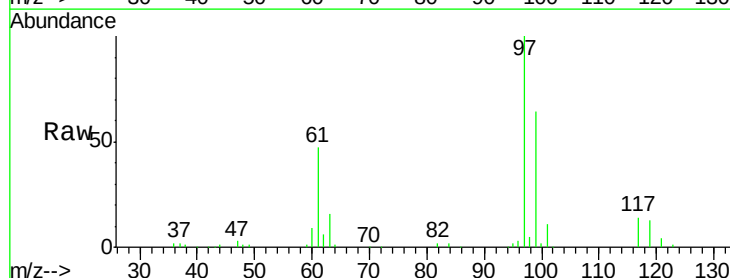
Tgt Ion: 97 Resp: 154587

Ion Ratio Lower Upper

97 100

99 64.1 51.8 77.6

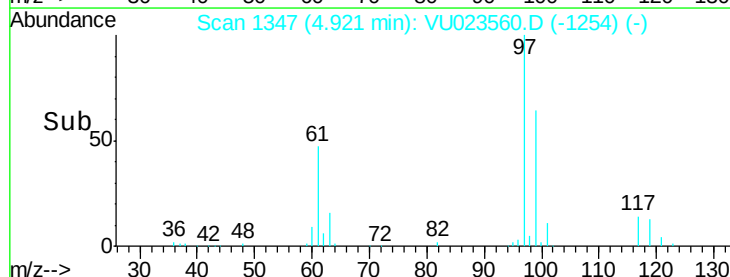
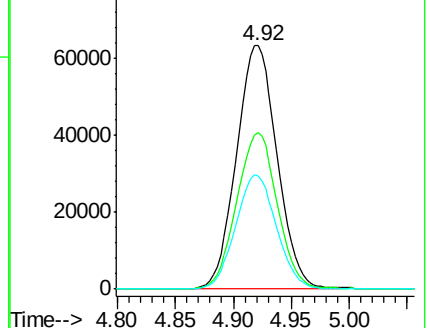
61 47.0 37.7 56.5

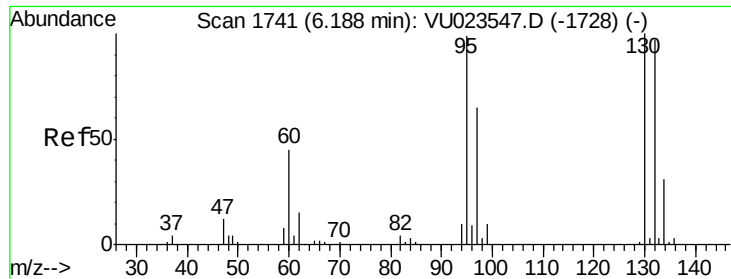


Abundance Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

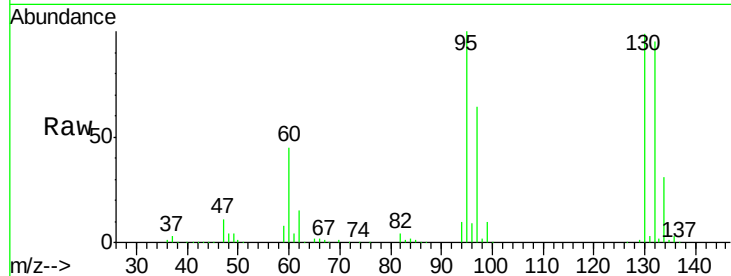




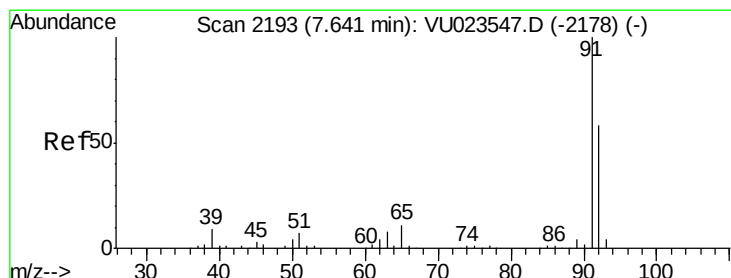
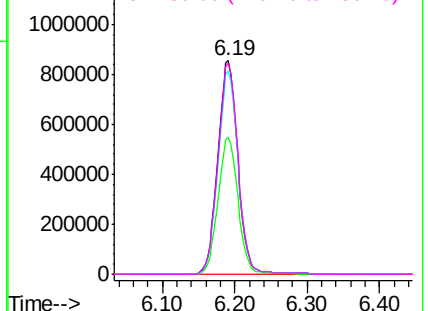
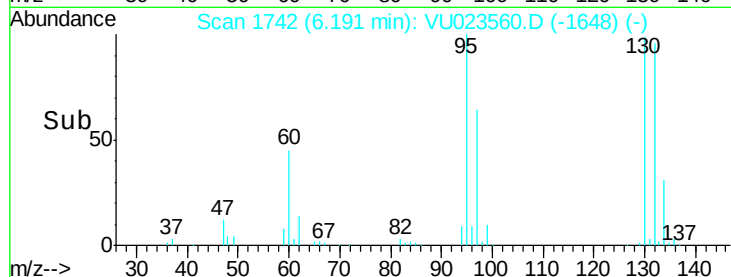
#34
 Trichloroethene
 Concen: 597.78 ug/L
 RT: 6.19 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VU023560.D
 Acq: 01 May 2018 18:04

Tot Ion: 95 Resp: 1635828

Ion	Ratio	Lower	Upper
95	100		
97	64.2	46.3	85.9
132	95.1	68.5	127.1
130	98.8	70.8	131.4



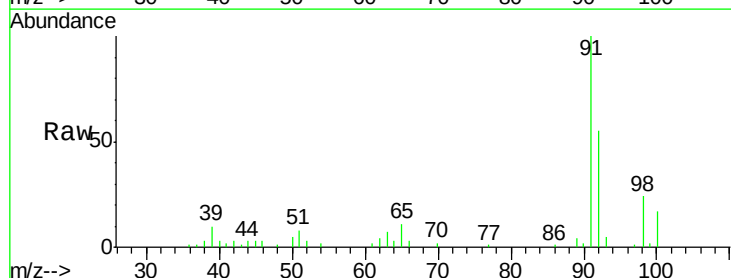
Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V



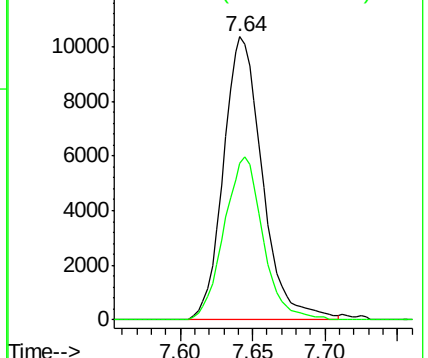
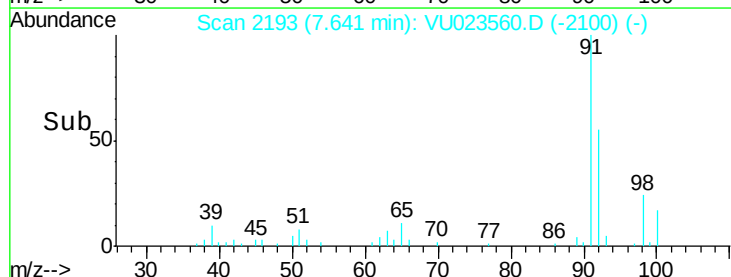
#42
 Toluene
 Concen: 1.75 ug/L
 RT: 7.64 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VU023560.D
 Acq: 01 May 2018 18:04

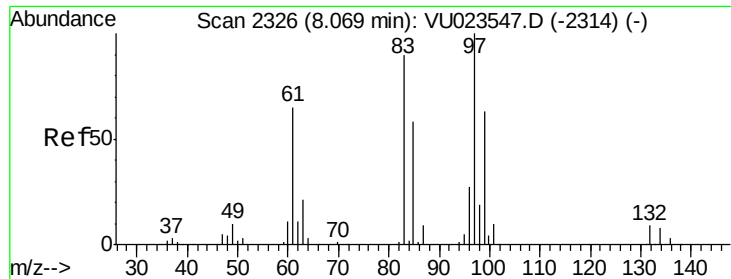
Tgt Ion: 91 Resp: 19346

Ion	Ratio	Lower	Upper
91	100		
92	55.4	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: 2.12 ug/L

RT: 8.07 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VU023560.D

Acq: 01 May 2018 18:04

Tot Ion: 97 Resp: 5501

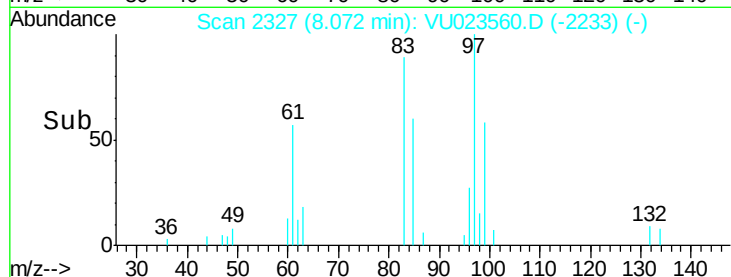
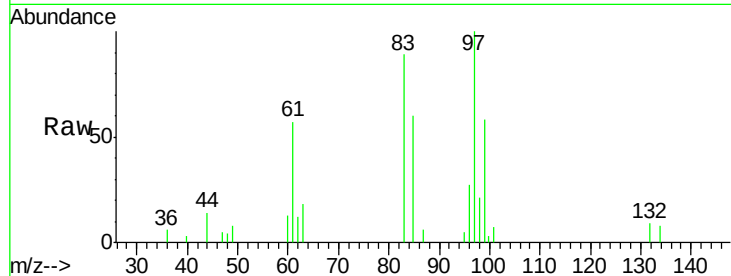
Ion Ratio Lower Upper

97 100

99 58.5 44.2 82.2

83 88.8 63.1 117.1

85 60.5 40.3 74.8

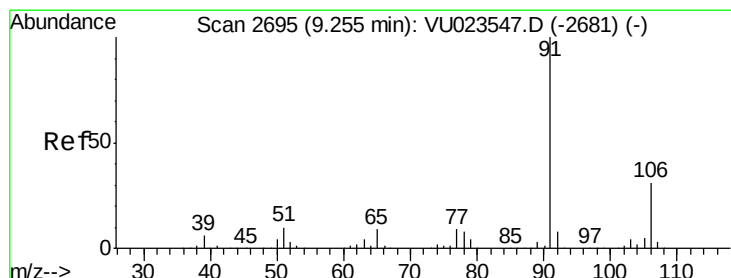
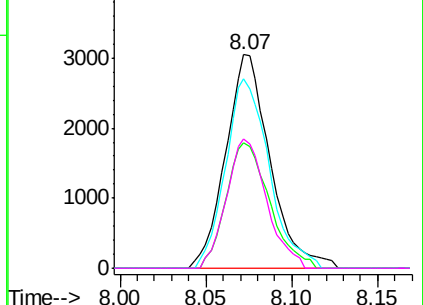


Abundance Ion 97.00 (96.70 to 97.70): VU0

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: 2.85 ug/L

RT: 9.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VU023560.D

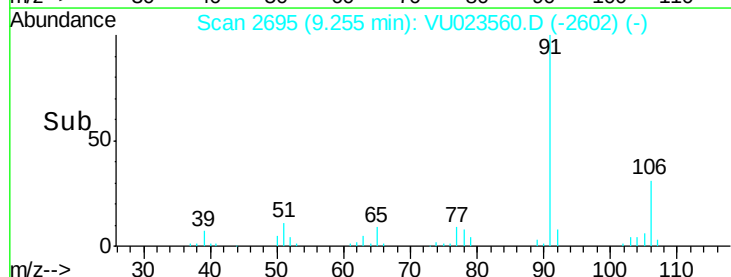
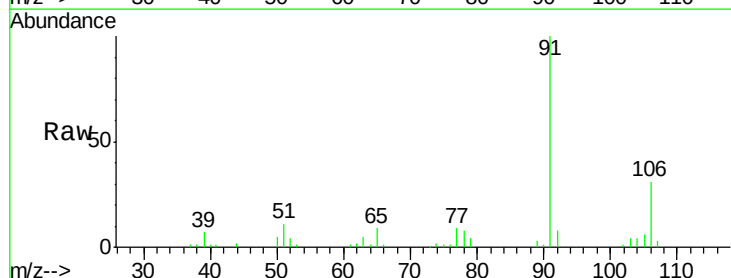
Acq: 01 May 2018 18:04

Tgt Ion: 91 Resp: 34225

Ion Ratio Lower Upper

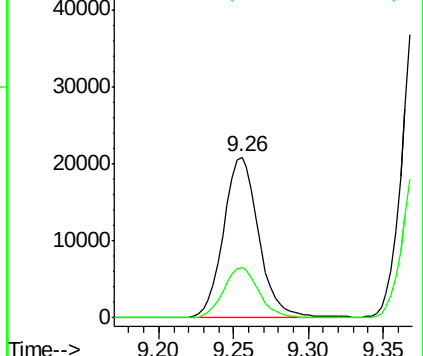
91 100

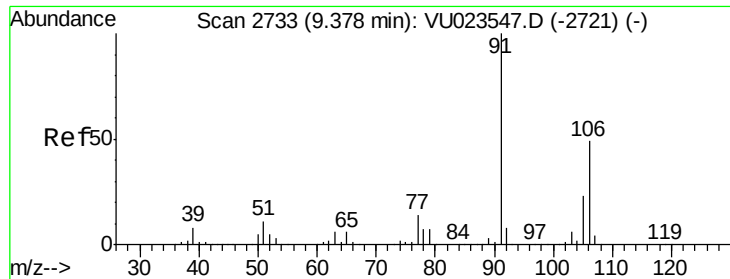
106 31.5 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 9.53 ug/L

RT: 9.38 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VU023560.D

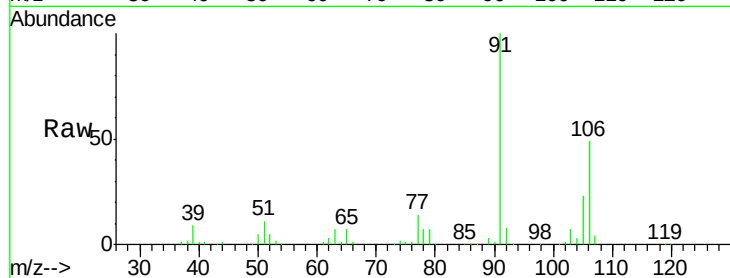
Acq: 01 May 2018 18:04

Tot Ion:106 Resp: 43608

Ion Ratio Lower Upper

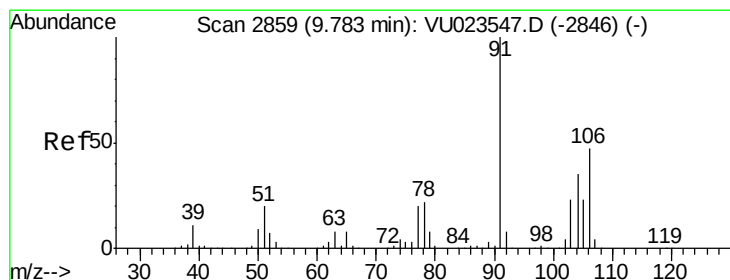
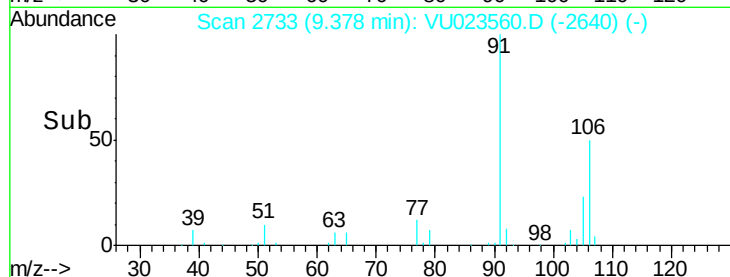
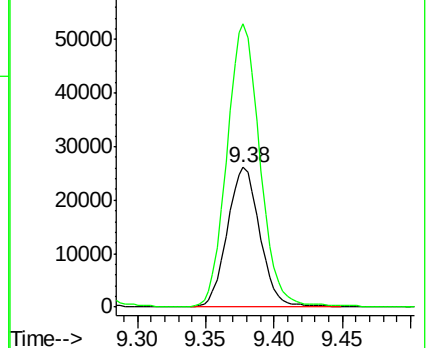
106 100

91 202.4 144.1 267.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#54

o-xylene

Concen: 4.26 ug/L

RT: 9.78 min Scan# 2859

Delta R.T. 0.00 min

Lab File: VU023560.D

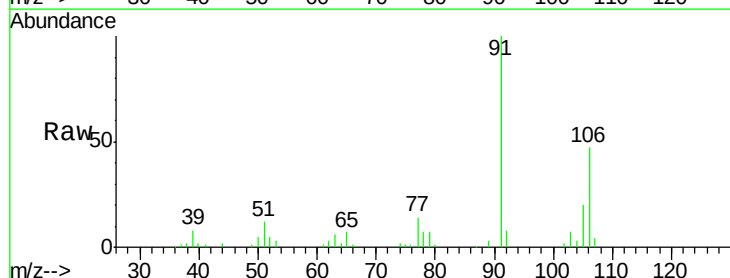
Acq: 01 May 2018 18:04

Tgt Ion:106 Resp: 18487

Ion Ratio Lower Upper

106 100

91 214.6 148.9 276.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0

