

Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU050818\
 Data File : VU023736.D
 Acq On : 08 May 2018 14:46
 Operator : MD/SY
 Sample : J2717-04MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 09 03:38:57 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM050818WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 09 03:02:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	242909	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	236250	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	113972	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	111819	58.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	117.70%
7) Chloroethane-d5	1.68	69	87466	61.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	123.28%
11) 1,1-Dichloroethene-d2	2.27	63	203218	57.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	115.44%
21) 2-Butanone-d5	4.18	46	192679	137.80	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	137.80%#
24) Chloroform-d	4.65	84	197570	62.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	125.06%#
26) 1,2-Dichloroethane-d4	5.31	65	134132	65.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	131.24%#
32) Benzene-d6	5.35	84	420335	62.10	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	124.20%
36) 1,2-Dichloropropane-d6	6.34	67	143008	64.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	129.20%#
41) Toluene-d8	7.57	98	383694	61.10	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	122.20%#
43) trans-1,3-Dichloropropene-	7.85	79	61283	63.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	127.98%#
47) 2-Hexanone-d5	8.31	63	138098	139.64	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	139.64%#
57) 1,1,2,2-Tetrachloroethane-	10.44	84	190448	63.50	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	127.00%#
64) 1,2-Dichlorobenzene-d4	11.87	152	152691	64.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	129.36%#

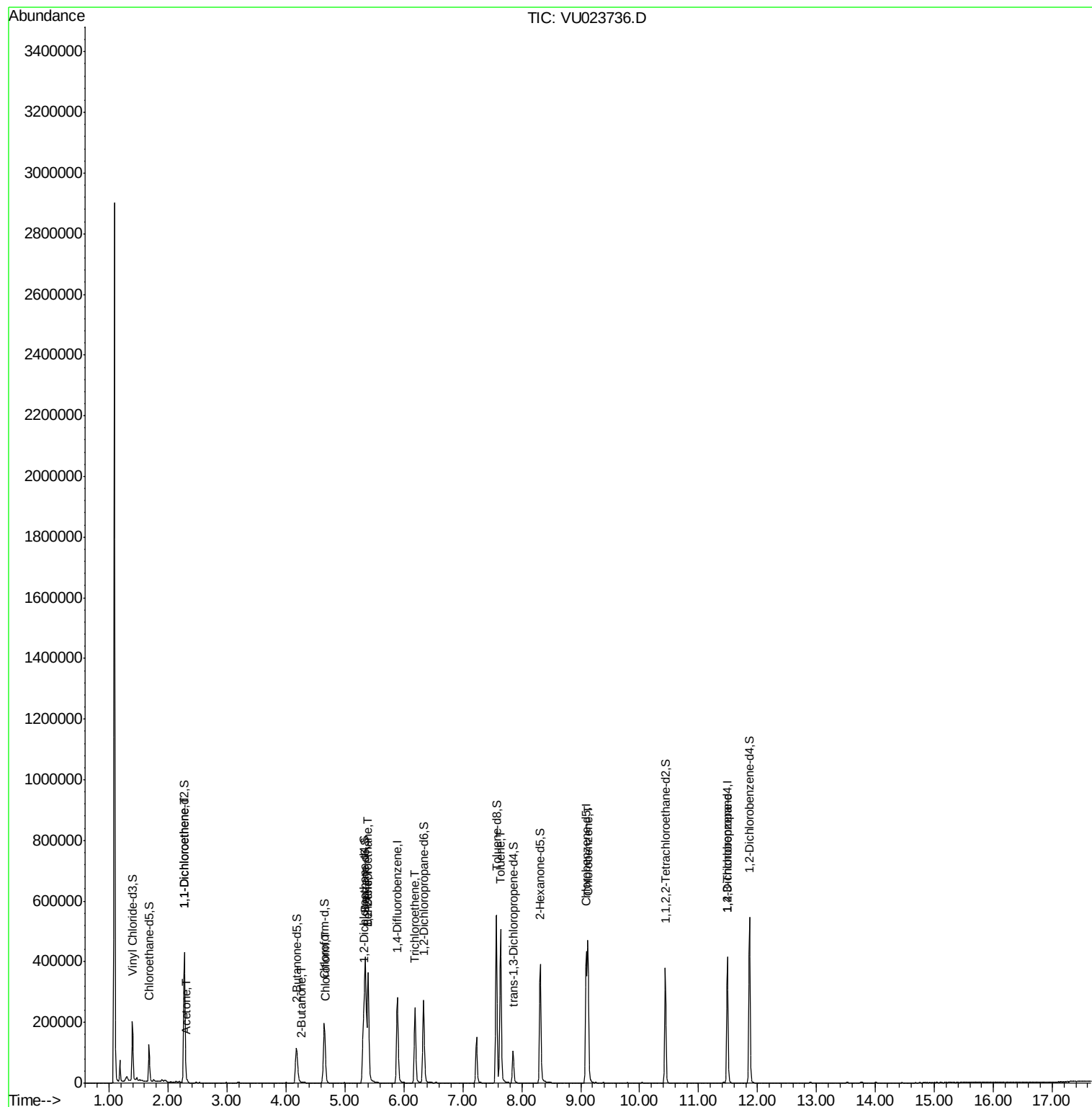
Target Compounds

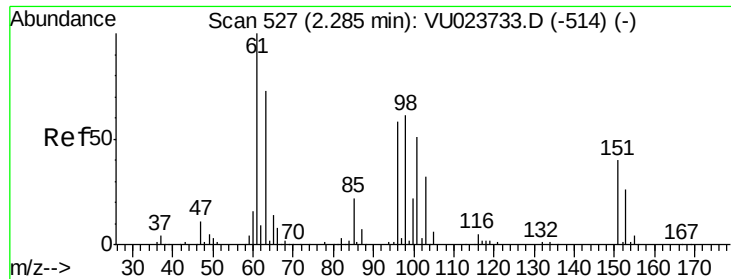
						Qvalue
12) 1,1-Dichloroethene	2.28	96	75598	45.05	ug/L	96
13) Acetone	2.32	43	6478	4.20	ug/L	99
22) 2-Butanone	4.27	43	2866	1.54	ug/L #	64
25) Chloroform	4.68	83	4386	1.22	ug/L	90
27) 1,2-Dichloroethane	5.39	62	3558	1.29	ug/L #	73
33) Benzene	5.39	78	365313	45.89	ug/L	100
34) Trichloroethene	6.19	95	88217	43.41	ug/L	97
42) Toluene	7.64	91	382499	45.98	ug/L	100
51) Chlorobenzene	9.12	112	247778	44.42	ug/L	98
59) 1,2,3-Trichloropropane	11.49	75	14108	5.18	ug/L	93

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

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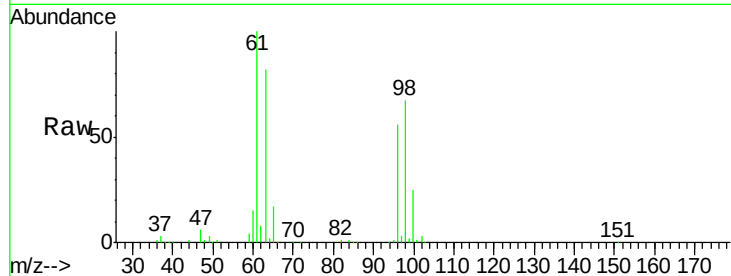
Quant Time: May 09 03:38:57 2018
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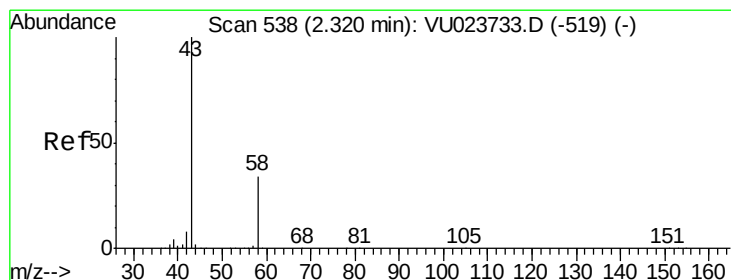
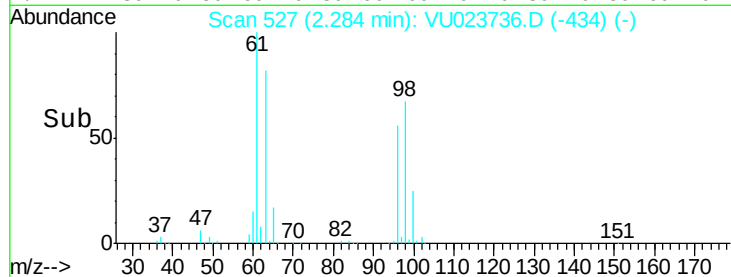
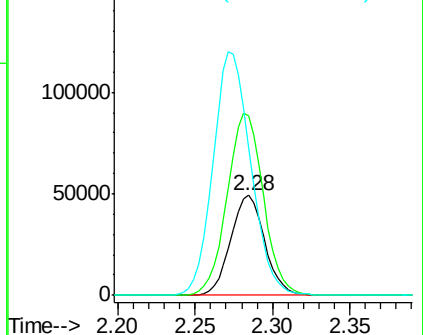


#12
 1,1-Dichloroethene
 Concen: 45.05 ug/L
 RT: 2.28 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VU023736.D
 Acq: 08 May 2018 14:46

Tgt Ion: 96 Resp: 75598
 Ion Ratio Lower Upper
 96 100
 61 179.8 126.4 234.8
 63 148.4 97.3 180.7

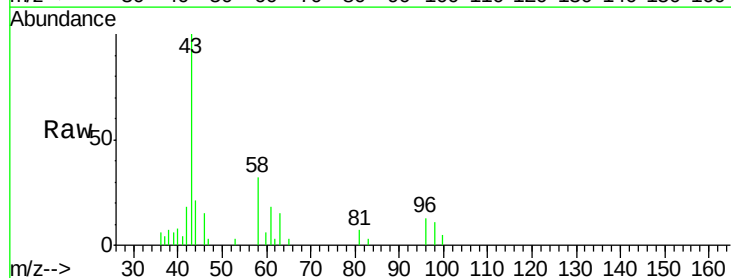


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 63.00 (62.70 to 63.70): VU0

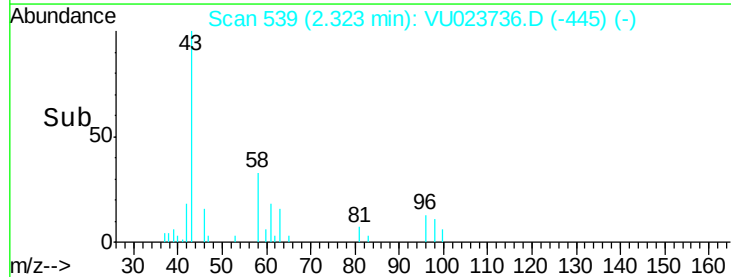
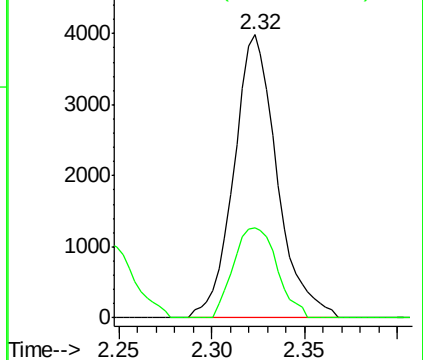


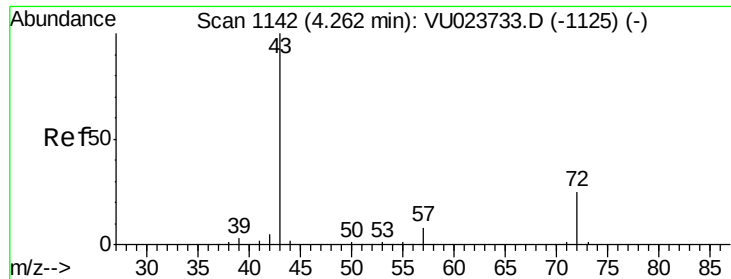
#13
 Acetone
 Concen: 4.20 ug/L
 RT: 2.32 min Scan# 539
 Delta R.T. 0.00 min
 Lab File: VU023736.D
 Acq: 08 May 2018 14:46

Tgt Ion: 43 Resp: 6478
 Ion Ratio Lower Upper
 43 100
 58 32.1 0.0 65.4



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





#22

2-Butanone

Concen: 1.54 ug/L

RT: 4.27 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VU023736.D

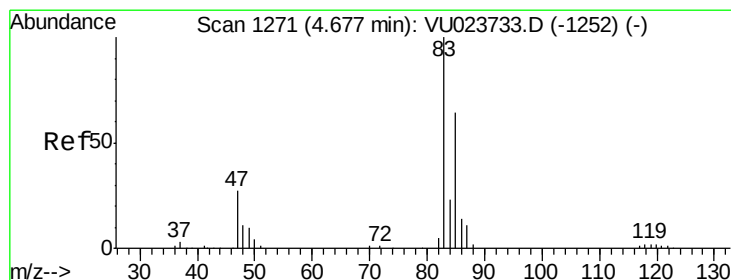
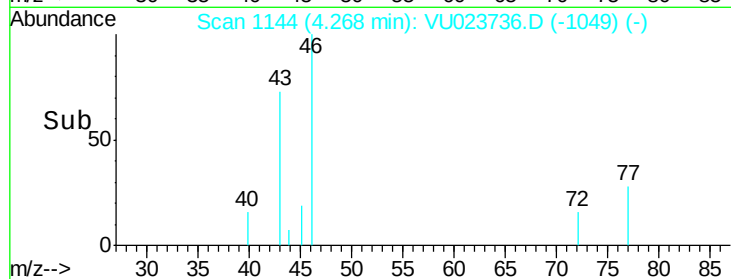
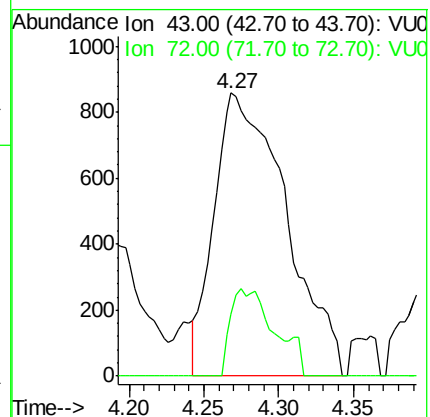
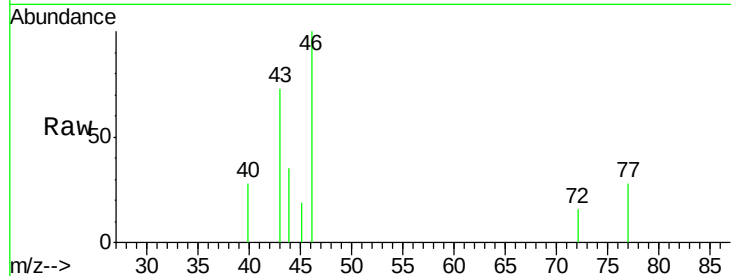
Acq: 08 May 2018 14:46

Tgt Ion: 43 Resp: 2866

Ion Ratio Lower Upper

43 100

72 7.2 12.7 38.0#



#25

Chloroform

Concen: 1.22 ug/L

RT: 4.68 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VU023736.D

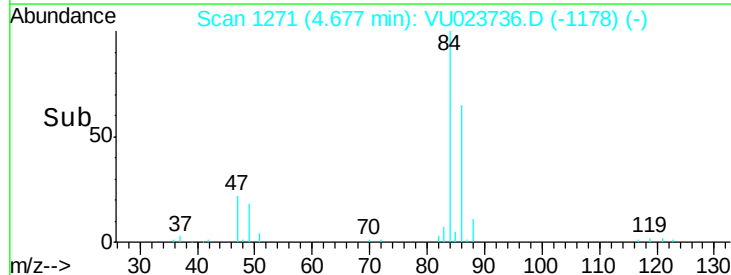
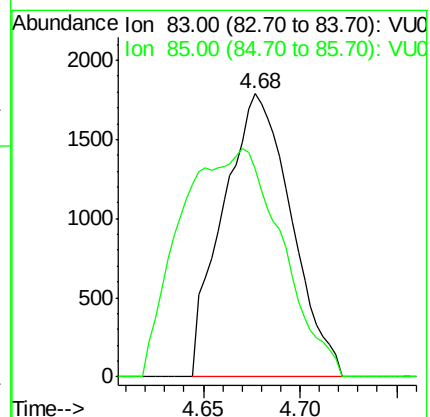
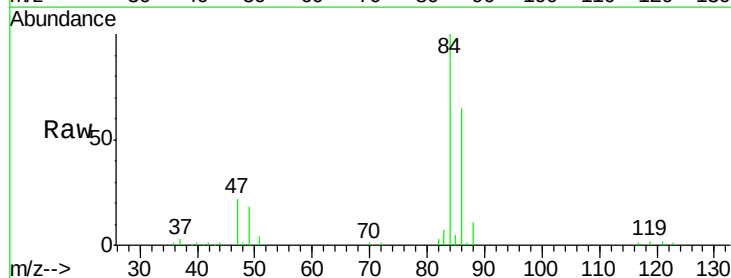
Acq: 08 May 2018 14:46

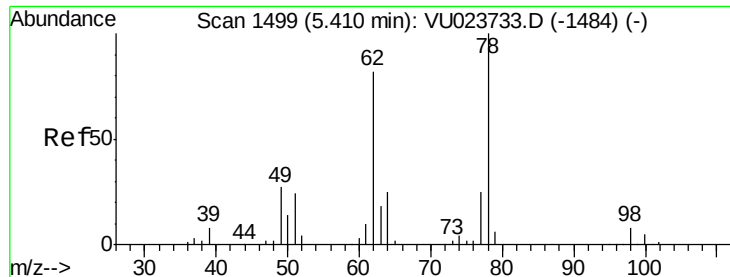
Tgt Ion: 83 Resp: 4386

Ion Ratio Lower Upper

83 100

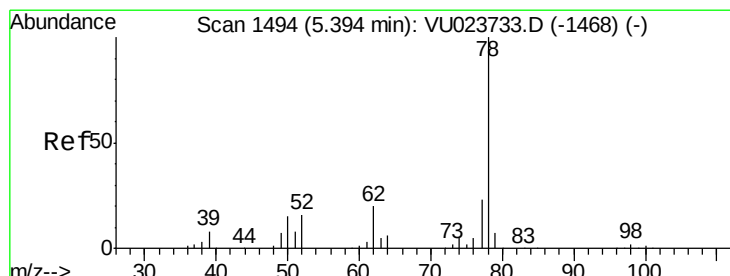
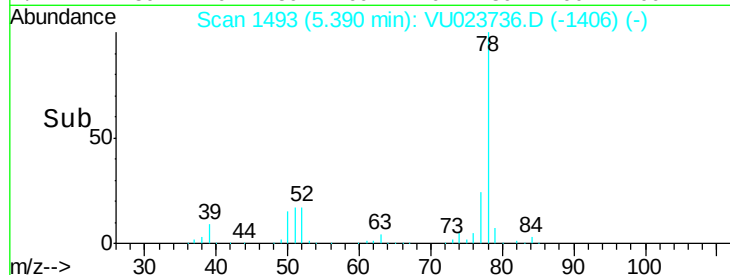
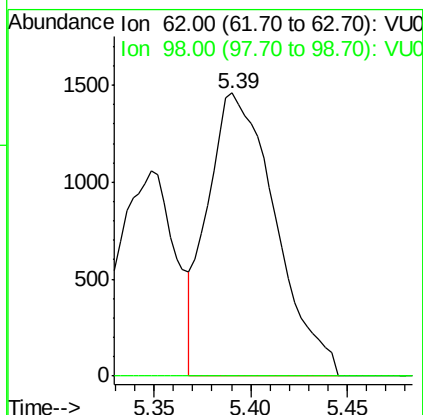
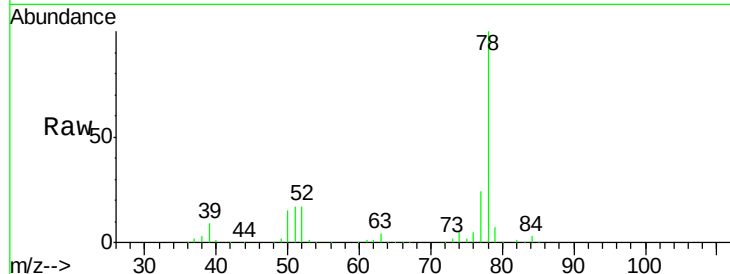
85 73.5 45.7 84.9





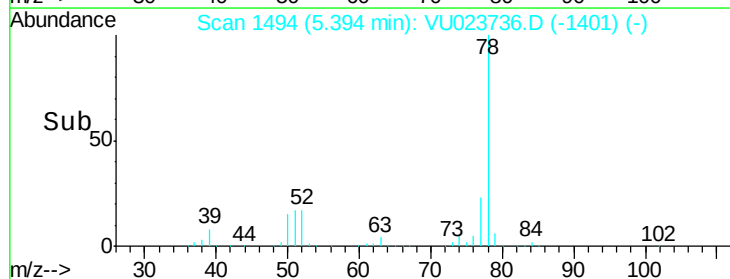
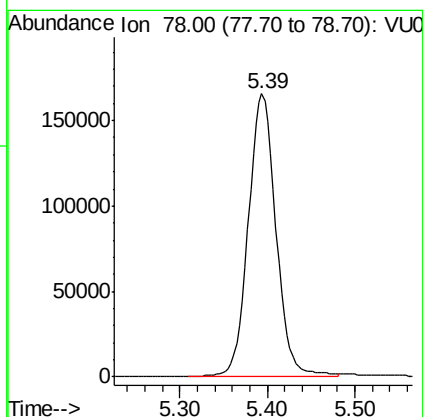
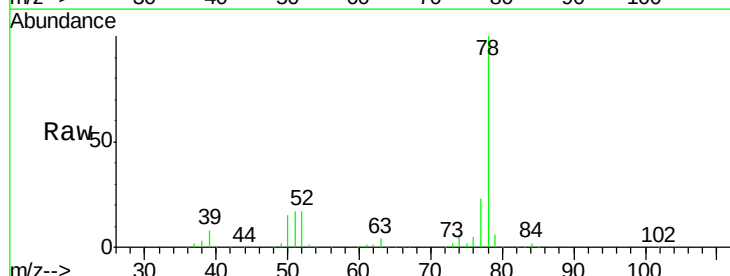
#27
 1,2-Dichloroethane
 Concen: 1.29 ug/L
 RT: 5.39 min Scan# 1493
 Delta R.T. -0.02 min
 Lab File: VU023736.D
 Acq: 08 May 2018 14:46

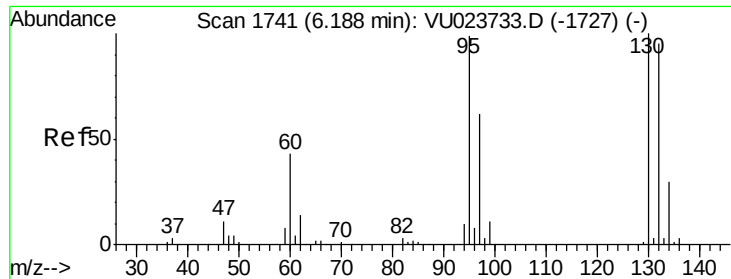
Tgt Ion: 62 Resp: 3558
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.8 11.8#



#33
 Benzene
 Concen: 45.89 ug/L
 RT: 5.39 min Scan# 1494
 Delta R.T. -0.00 min
 Lab File: VU023736.D
 Acq: 08 May 2018 14:46

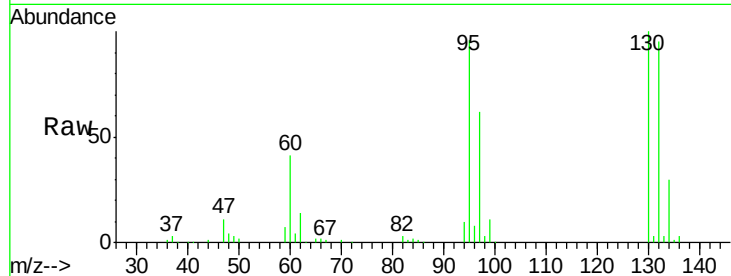
Tgt Ion: 78 Resp: 365313



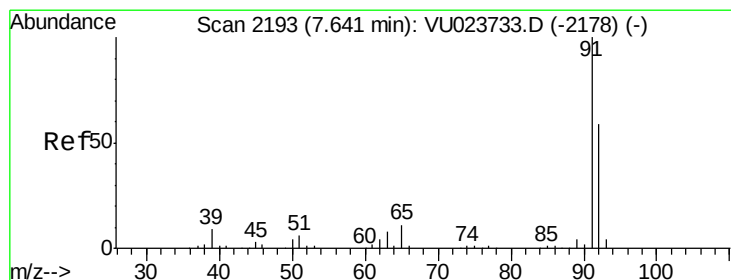
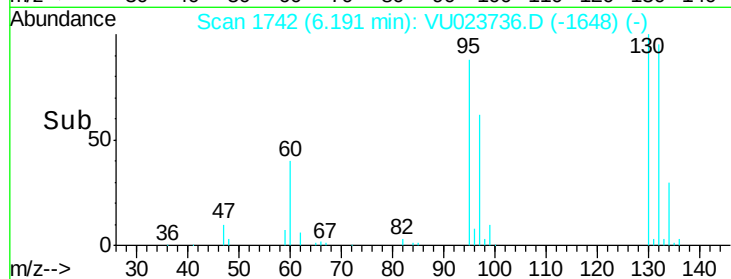
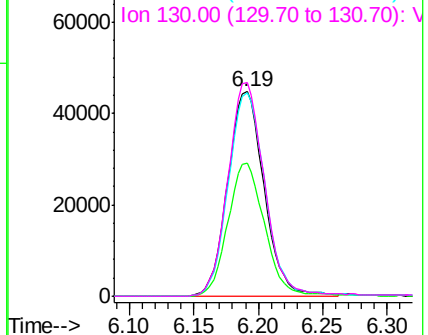


#34
 Trichloroethene
 Concen: 43.41 ug/L
 RT: 6.19 min Scan# 1742
 Delta R.T. 0.00 min
 Lab File: VU023736.D
 Acq: 08 May 2018 14:46

Tgt Ion: 95 Resp: 88217
 Ion Ratio Lower Upper
 95 100
 97 65.0 44.2 82.2
 132 99.4 67.8 125.8
 130 104.4 69.6 129.2

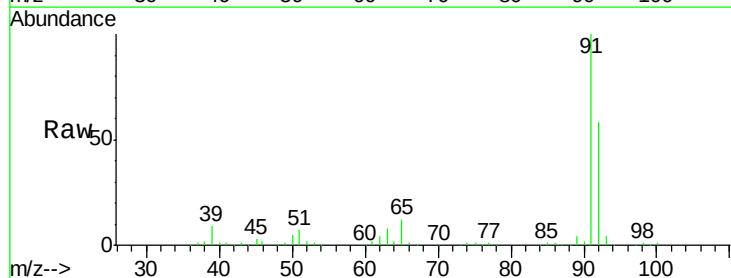


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

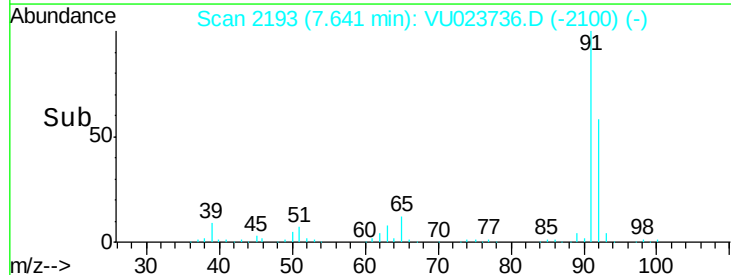
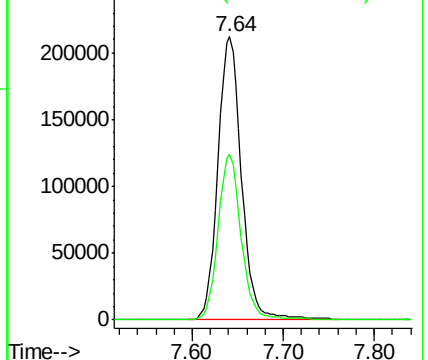


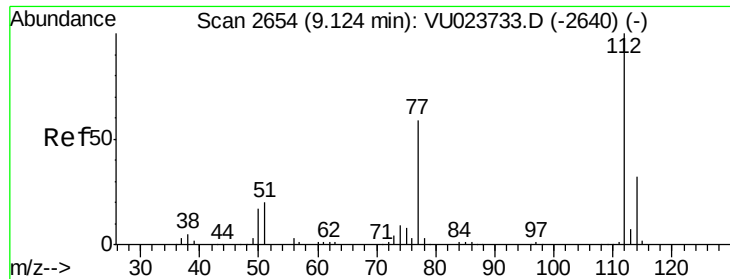
#42
 Toluene
 Concen: 45.98 ug/L
 RT: 7.64 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VU023736.D
 Acq: 08 May 2018 14:46

Tgt Ion: 91 Resp: 382499
 Ion Ratio Lower Upper
 91 100
 92 58.5 40.9 76.0



Abundance Ion 91.00 (90.70 to 91.70): VU0
 Ion 92.00 (91.70 to 92.70): VU0





#51

Chlorobenzene

Concen: 44.42 ug/L

RT: 9.12 min Scan# 2654

Delta R.T. -0.00 min

Lab File: VU023736.D

Acq: 08 May 2018 14:46

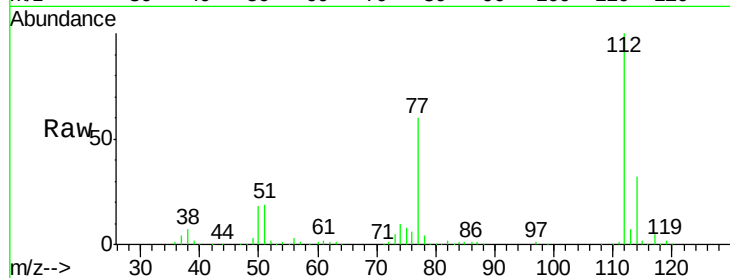
Tgt Ion: 112 Resp: 247778

Ion Ratio Lower Upper

112 100

114 31.8 22.6 42.0

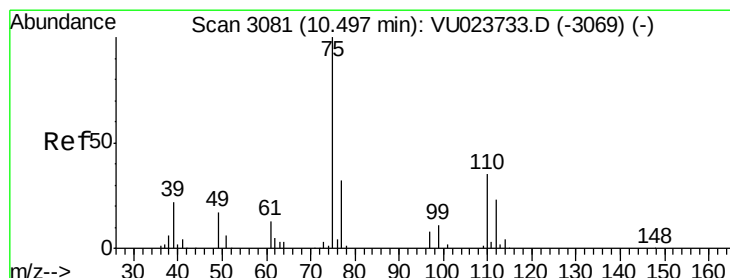
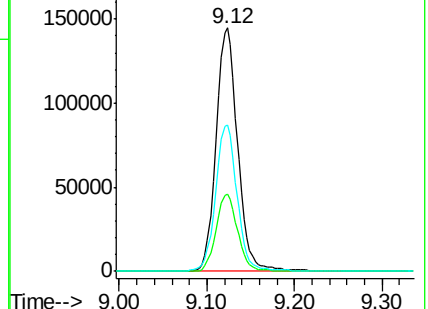
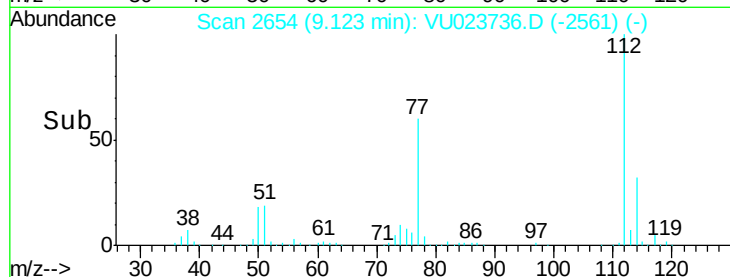
77 60.2 46.9 70.3



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



#59

1,2,3-Trichloropropane

Concen: 5.18 ug/L

RT: 11.49 min Scan# 3389

Delta R.T. 0.99 min

Lab File: VU023736.D

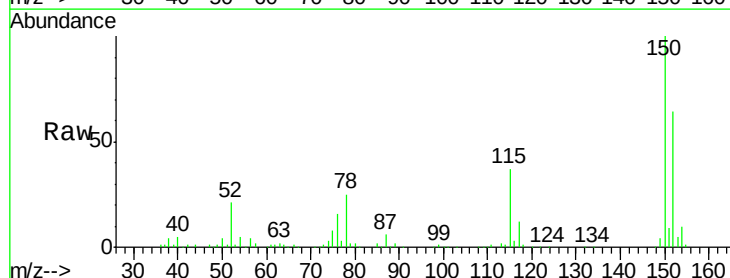
Acq: 08 May 2018 14:46

Tgt Ion: 75 Resp: 14108

Ion Ratio Lower Upper

75 100

77 35.7 25.6 38.4



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

