

Data Path : W:\HPCHEM1\MSVOA_U\DATA\VU052118\
 Data File : VU023991.D
 Acq On : 22 May 2018 01:03
 Operator : MD/SY
 Sample : J3031-09MSD
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Quant Time: May 22 02:04:42 2018
 Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMULM051218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 22 02:00:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	275056	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	274497	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	117052	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	88729	34.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	69.44%
7) Chloroethane-d5	1.67	69	74092	36.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	73.58%
11) 1,1-Dichloroethene-d2	2.27	63	169411	36.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.26%
21) 2-Butanone-d5	4.18	46	175957	98.93	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.93%
24) Chloroform-d	4.65	84	169045	43.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.66%
26) 1,2-Dichloroethane-d4	5.31	65	119979	46.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.48%
32) Benzene-d6	5.35	84	329490	41.12	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.24%
36) 1,2-Dichloropropane-d6	6.34	67	123923	45.79	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.58%
41) Toluene-d8	7.57	98	293221	39.72	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.44%#
43) trans-1,3-Dichloropropene-	7.85	79	47388	41.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	83.26%
47) 2-Hexanone-d5	8.31	63	123080	98.66	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.66%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	174012	45.65	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.30%
64) 1,2-Dichlorobenzene-d4	11.87	152	119580	47.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.60%

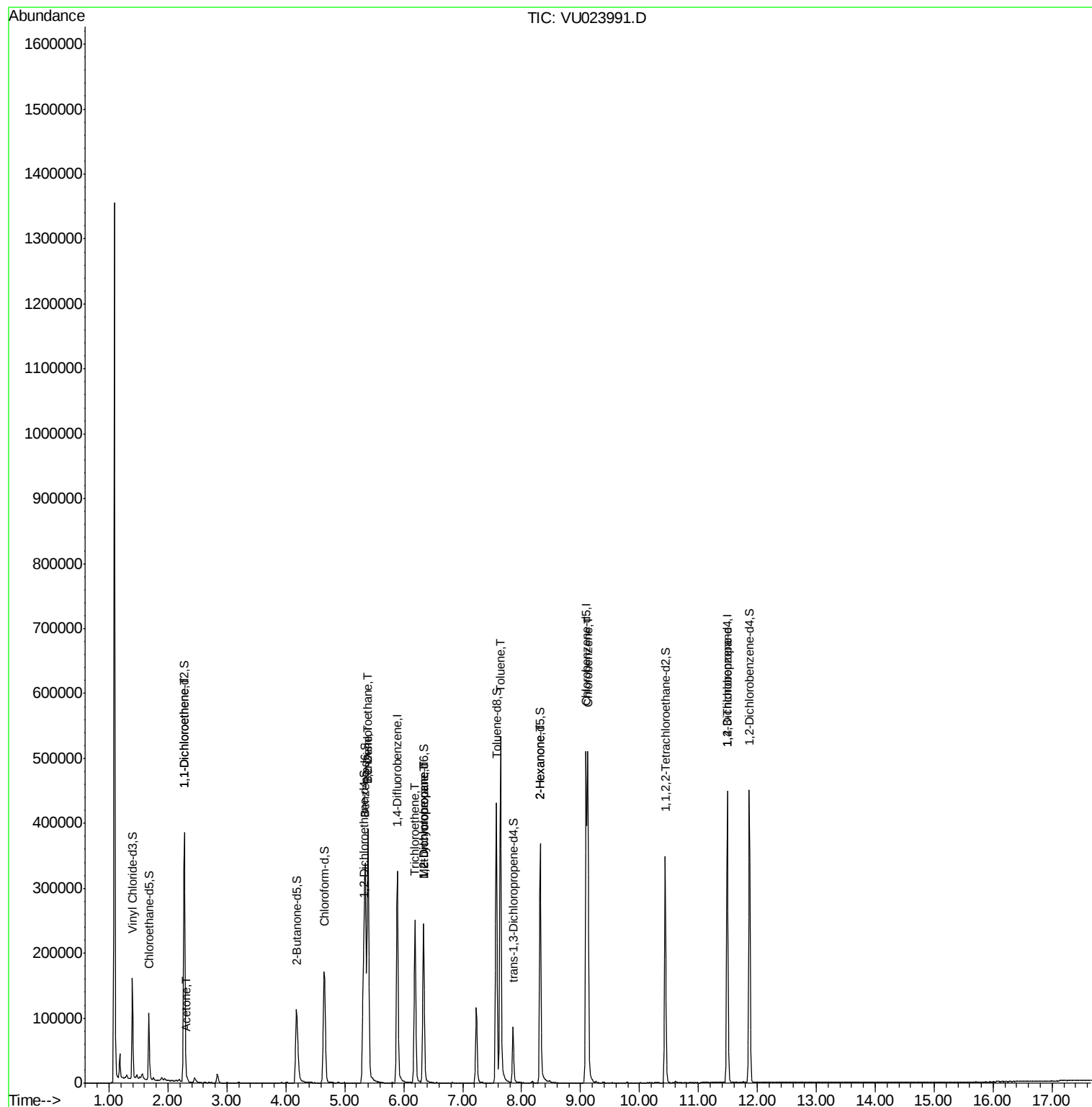
Target Compounds

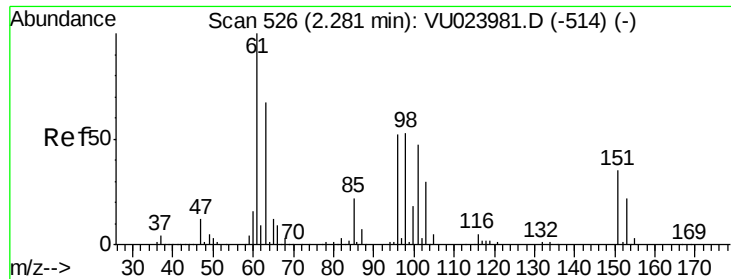
						Qvalue
12) 1,1-Dichloroethene	2.28	96	75069	36.54	ug/L	93
13) Acetone	2.32	43	5553	3.10	ug/L	98
27) 1,2-Dichloroethane	5.39	62	3660	1.11	ug/L #	74
33) Benzene	5.39	78	383699	42.49	ug/L	100
34) Trichloroethene	6.19	95	91199	39.59	ug/L	97
35) Methylcyclohexane	6.34	83	27187	8.32	ug/L #	16
37) 1,2-Dichloropropane	6.34	63	13035	4.88	ug/L #	88
42) Toluene	7.64	91	394294	41.90	ug/L	99
48) 2-Hexanone	8.31	43	16053	5.25	ug/L #	68
51) Chlorobenzene	9.12	112	260328	40.77	ug/L	97
59) 1,2,3-Trichloropropane	11.49	75	14983	4.32	ug/L	93

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

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 36.54 ug/L

RT: 2.28 min Scan# 526

Delta R.T. -0.00 min

Lab File: VU023991.D

Acq: 22 May 2018 01:03

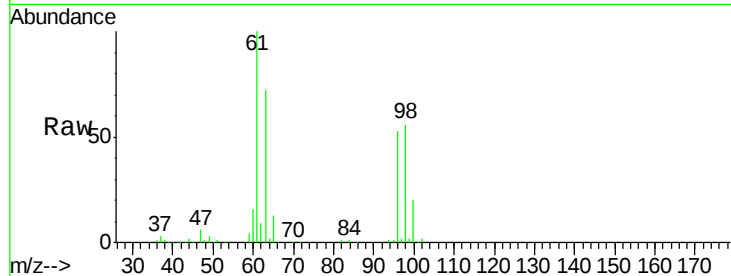
Tgt Ion: 96 Resp: 75069

Ion Ratio Lower Upper

96 100

61 187.0 129.5 240.5

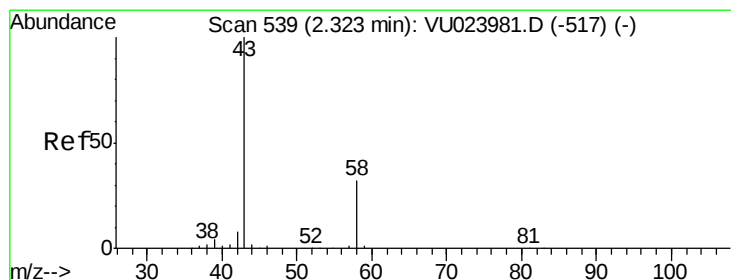
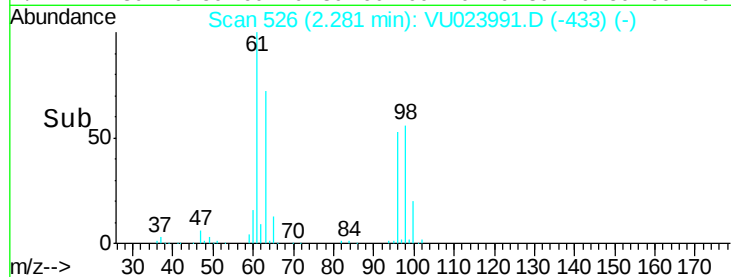
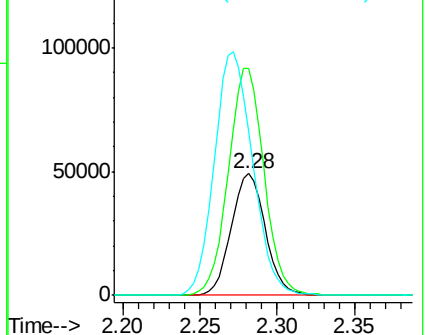
63 134.9 106.9 198.5



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: 3.10 ug/L

RT: 2.32 min Scan# 539

Delta R.T. -0.00 min

Lab File: VU023991.D

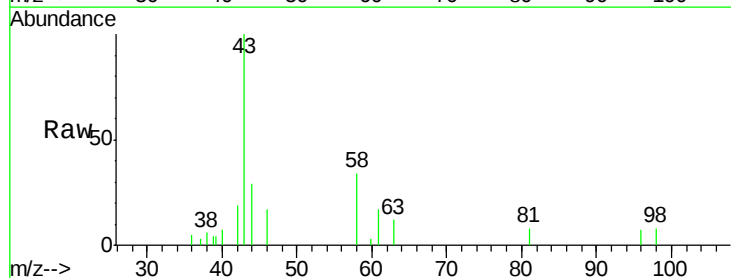
Acq: 22 May 2018 01:03

Tgt Ion: 43 Resp: 5553

Ion Ratio Lower Upper

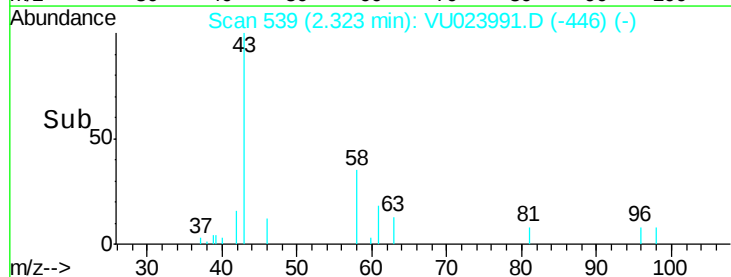
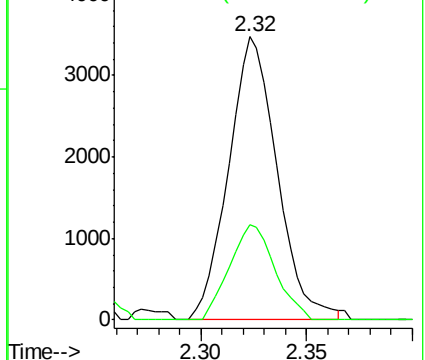
43 100

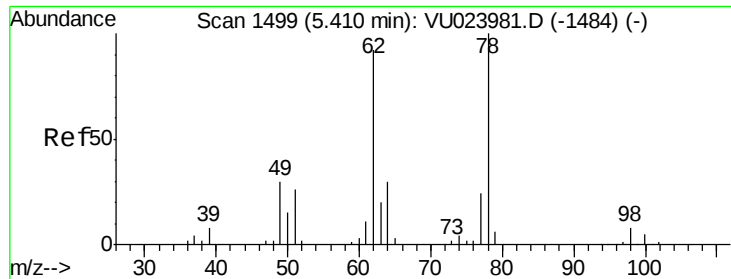
58 31.4 0.0 65.6



Abundance Ion 43.00 (42.70 to 43.70): VU0

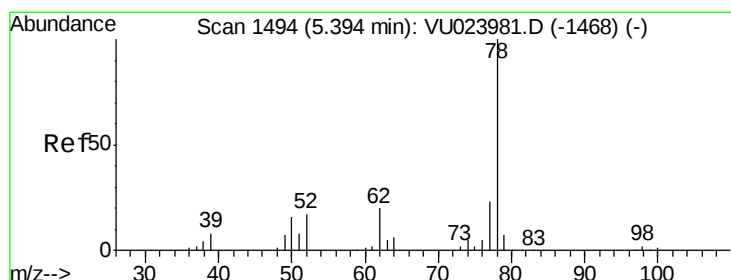
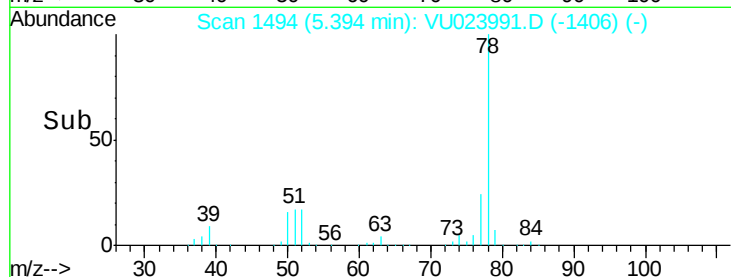
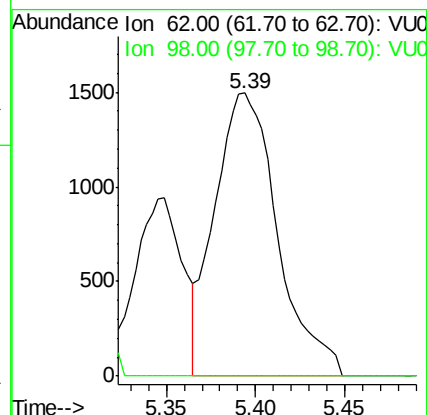
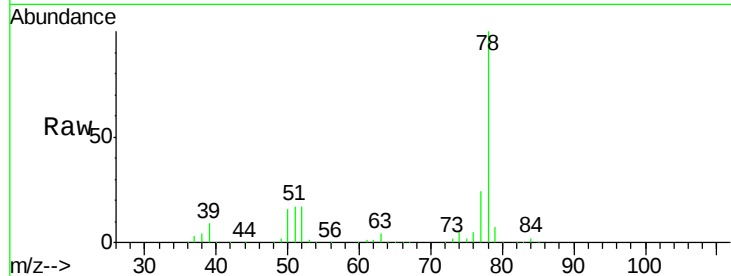
Ion 58.00 (57.70 to 58.70): VU0





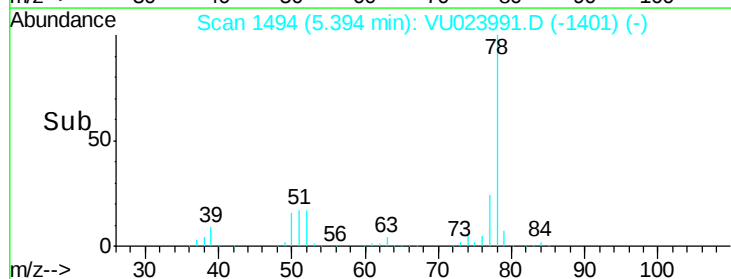
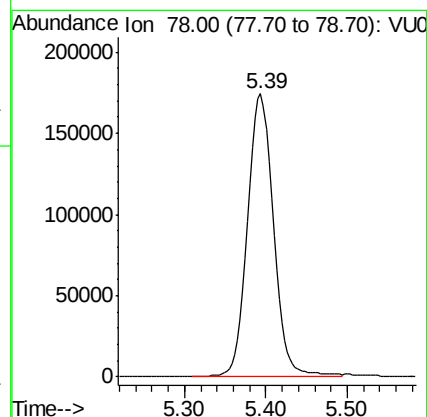
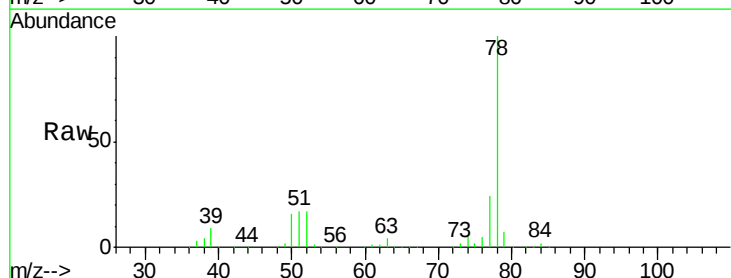
#27
 1,2-Dichloroethane
 Concen: 1.11 ug/L
 RT: 5.39 min Scan# 1494
 Delta R.T. -0.02 min
 Lab File: VU023991.D
 Acq: 22 May 2018 01:03

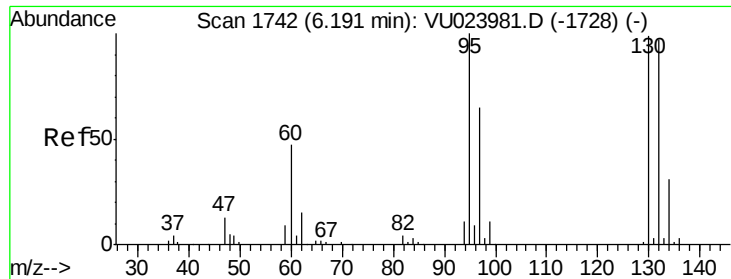
Tgt Ion: 62 Resp: 3660
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.5 11.3#



#33
 Benzene
 Concen: 42.49 ug/L
 RT: 5.39 min Scan# 1494
 Delta R.T. -0.00 min
 Lab File: VU023991.D
 Acq: 22 May 2018 01:03

Tgt Ion: 78 Resp: 383699





#34

Trichloroethene

Concen: 39.59 ug/L

RT: 6.19 min Scan# 1742

Delta R.T. -0.00 min

Lab File: VU023991.D

Acq: 22 May 2018 01:03

Tgt Ion: 95 Resp: 91199

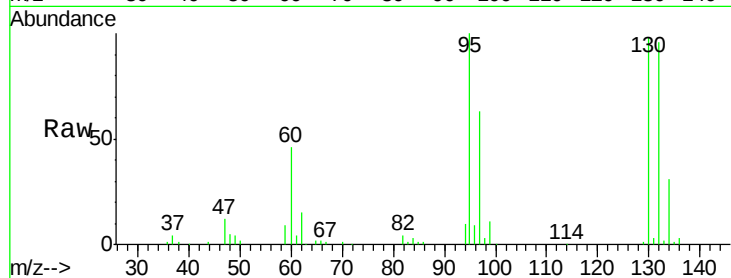
Ion Ratio Lower Upper

95 100

97 63.2 45.4 84.2

132 96.4 69.0 128.1

130 97.7 71.7 133.1

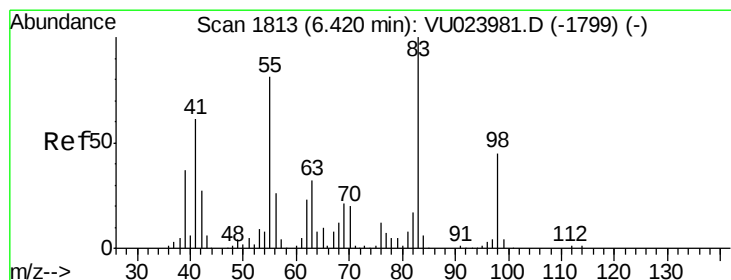
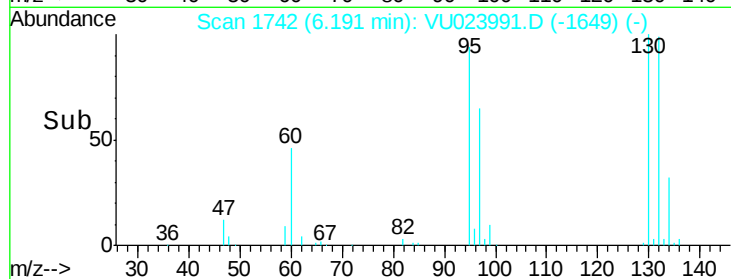
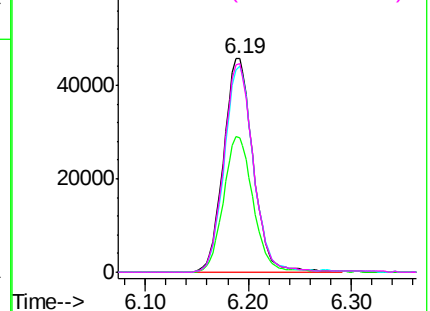


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#35

Methylcyclohexane

Concen: 8.32 ug/L

RT: 6.34 min Scan# 1787

Delta R.T. -0.08 min

Lab File: VU023991.D

Acq: 22 May 2018 01:03

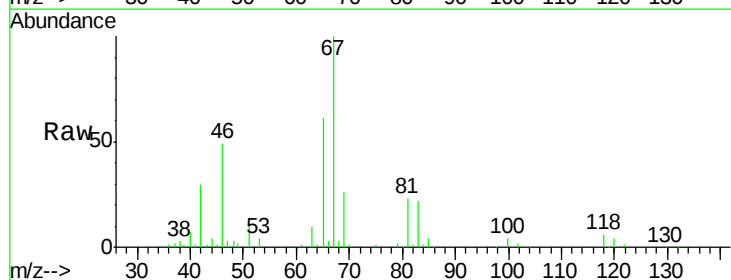
Tgt Ion: 83 Resp: 27187

Ion Ratio Lower Upper

83 100

55 0.2 67.2 100.8#

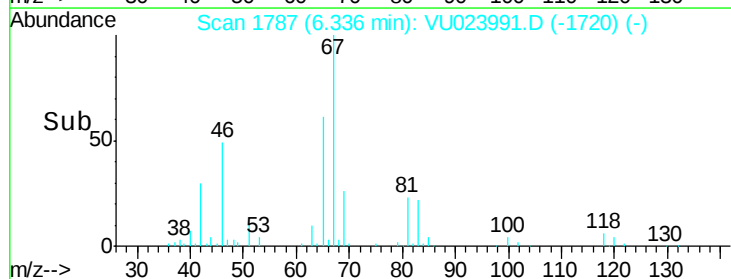
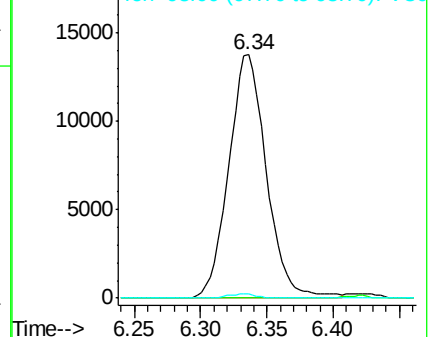
98 1.3 36.6 54.8#

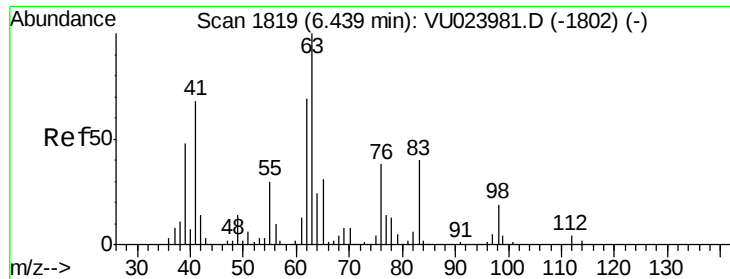


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

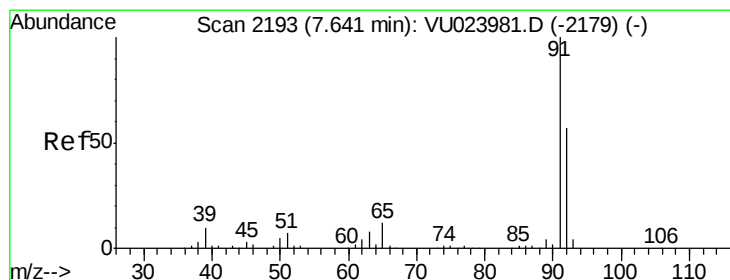
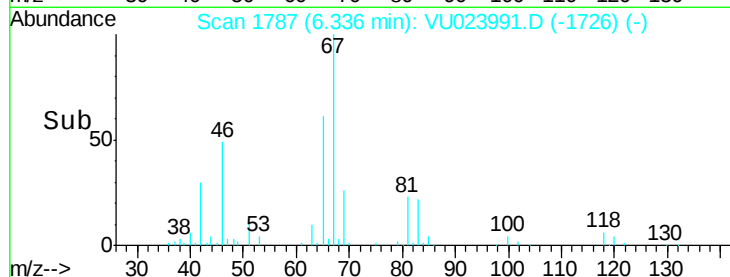
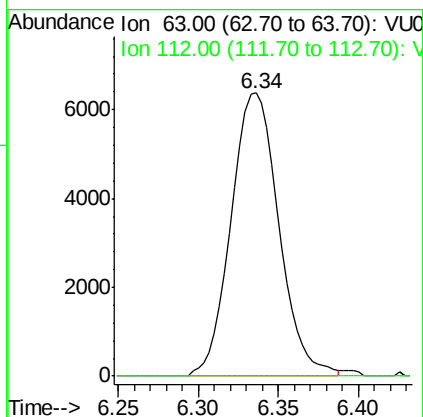
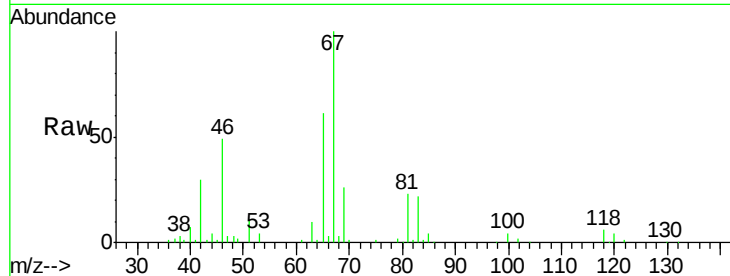
Ion 98.00 (97.70 to 98.70): VU0





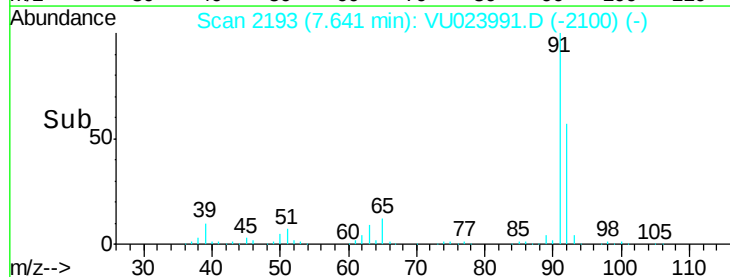
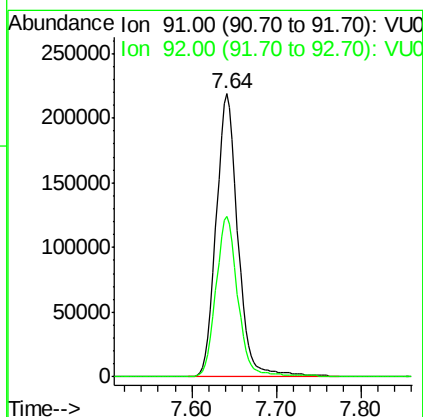
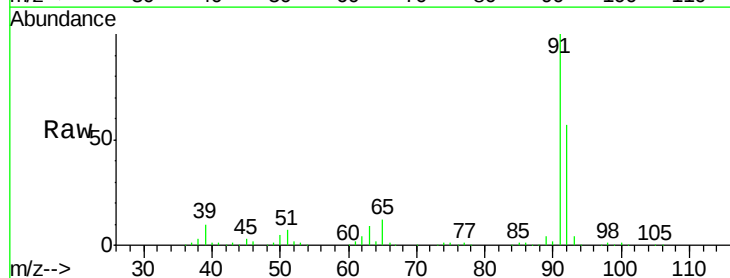
#37
 1,2-Dichloropropane
 Concen: 4.88 ug/L
 RT: 6.34 min Scan# 1787
 Delta R.T. -0.10 min
 Lab File: VU023991.D
 Acq: 22 May 2018 01:03

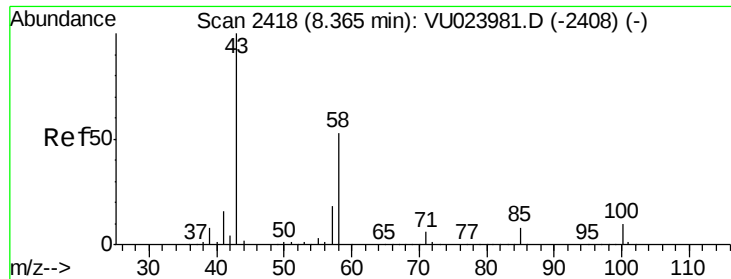
Tgt Ion: 63 Resp: 13035
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.2 4.8#



#42
 Toluene
 Concen: 41.90 ug/L
 RT: 7.64 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VU023991.D
 Acq: 22 May 2018 01:03

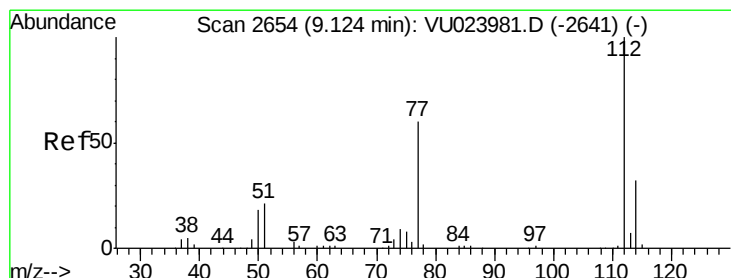
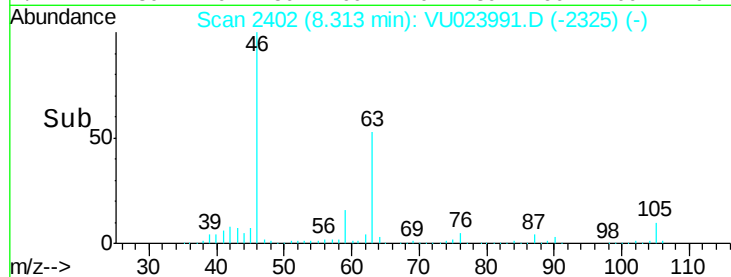
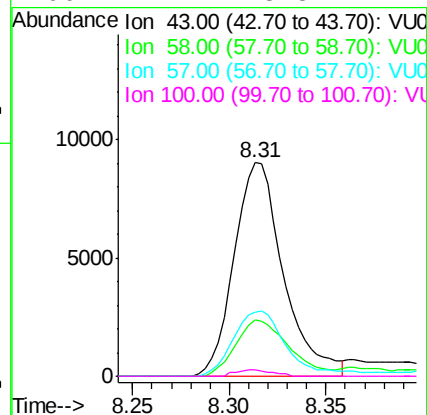
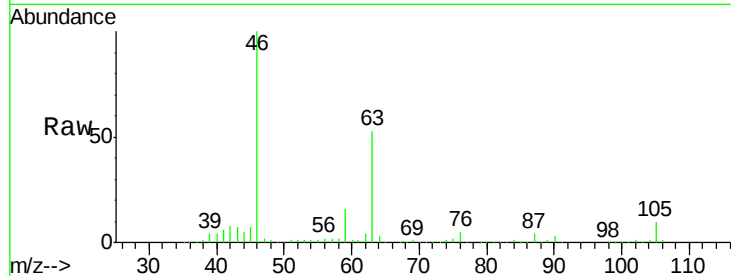
Tgt Ion: 91 Resp: 394294
 Ion Ratio Lower Upper
 91 100
 92 56.8 40.0 74.4





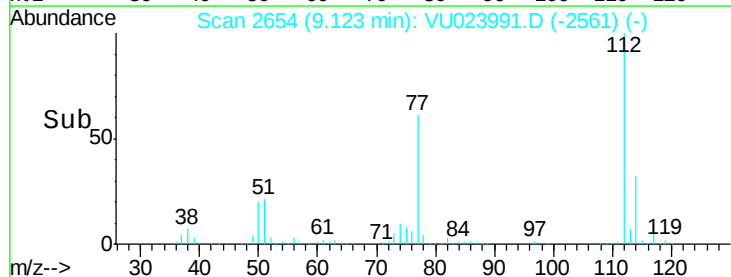
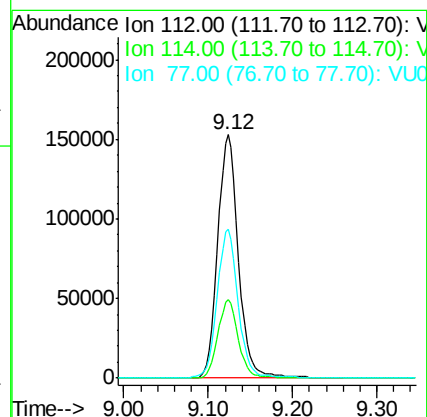
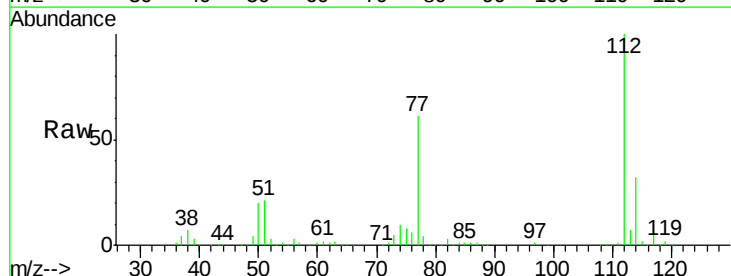
#48
2-Hexanone
Concen: 5.25 ug/L
RT: 8.31 min Scan# 2402
Delta R.T. -0.05 min
Lab File: VU023991.D
Acq: 22 May 2018 01:03

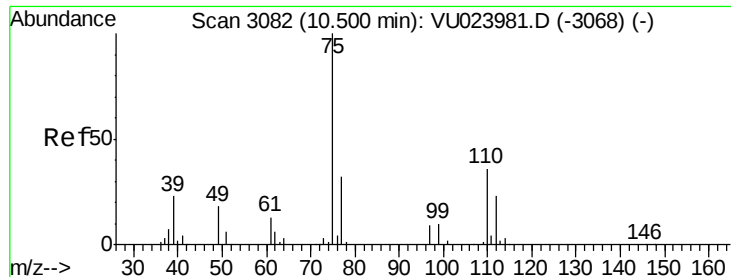
Tgt Ion:	43	Resp:	16053
Ion	Ratio	Lower	Upper
43	100		
58	28.3	42.6	63.8#
57	32.2	14.9	22.3#
100	2.2	8.5	12.7#



#51
Chlorobenzene
Concen: 40.77 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. -0.00 min
Lab File: VU023991.D
Acq: 22 May 2018 01:03

Tgt Ion:	112	Resp:	260328
Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.7	42.1
77	61.4	46.7	70.1





#59

1,2,3-Trichloropropane

Concen: 4.32 ug/L

RT: 11.49 min Scan# 3390

Delta R.T. 0.99 min

Lab File: VU023991.D

Acq: 22 May 2018 01:03

Tgt Ion: 75 Resp: 14983

Ion Ratio Lower Upper

75 100

77 36.6 26.2 39.4

