

Data File : VU023554.D
Acq On : 01 May 2018 15:26
Operator : MD/SY
Sample : J2558-06MS
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 02 03:14:15 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	327696	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	312555	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	149553	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	115302	49.64	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.28%
7) Chloroethane-d5	1.68	69	89812	50.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.46%
11) 1,1-Dichloroethene-d2	2.27	63	225521	49.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.60%
21) 2-Butanone-d5	4.18	46	176381	109.92	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.92%
24) Chloroform-d	4.65	84	209482	54.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.08%
26) 1,2-Dichloroethane-d4	5.31	65	140311	52.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.06%
32) Benzene-d6	5.35	84	448463	53.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.96%
36) 1,2-Dichloropropane-d6	6.34	67	152047	54.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.26%
41) Toluene-d8	7.57	98	410876	53.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.30%
43) trans-1,3-Dichloropropene-	7.85	79	64338	53.21	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	106.42%
47) 2-Hexanone-d5	8.31	63	119941	112.44	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.44%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	186506	51.33	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.66%
64) 1,2-Dichlorobenzene-d4	11.86	152	159623	54.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.42%

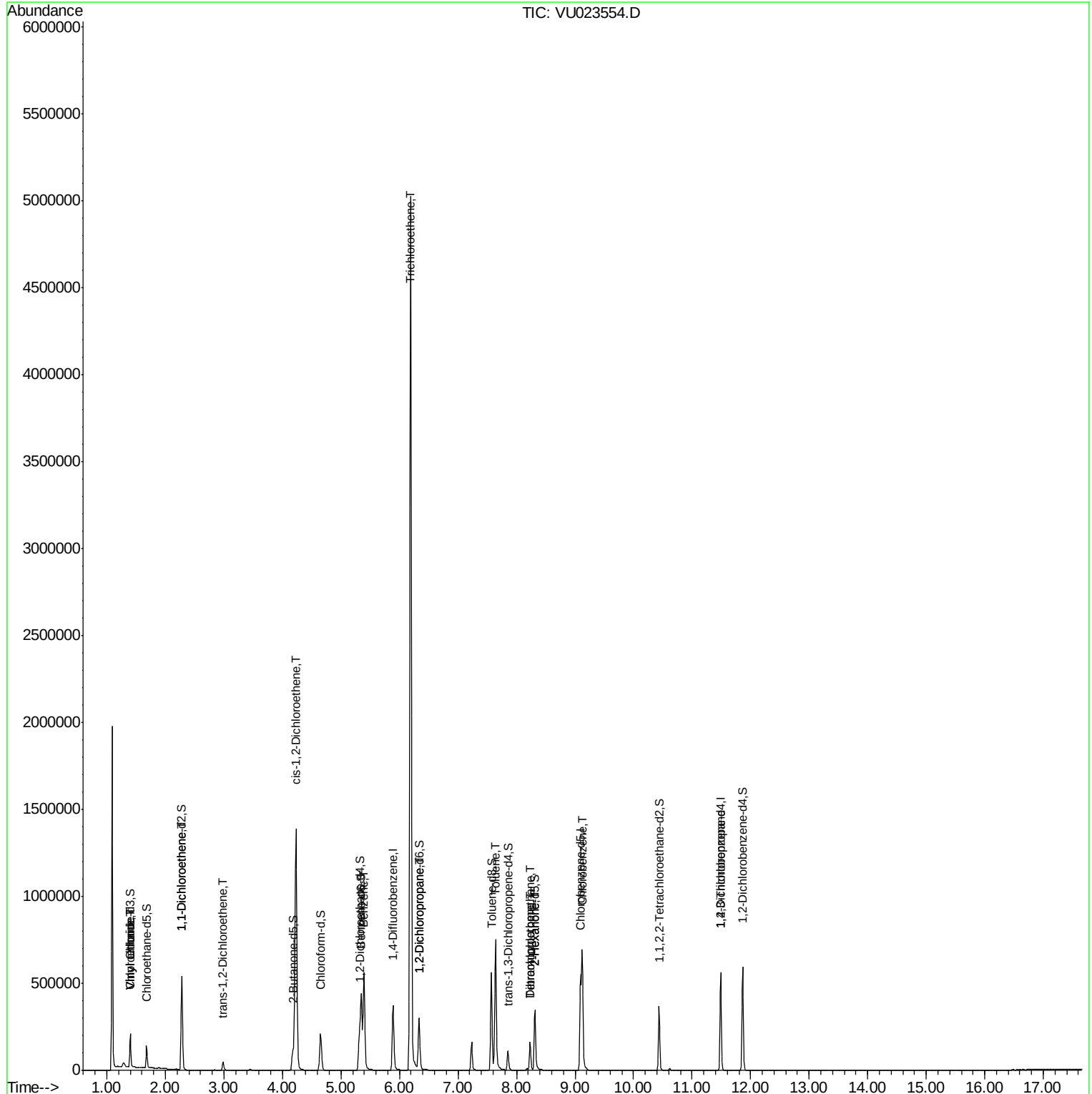
Target Compounds

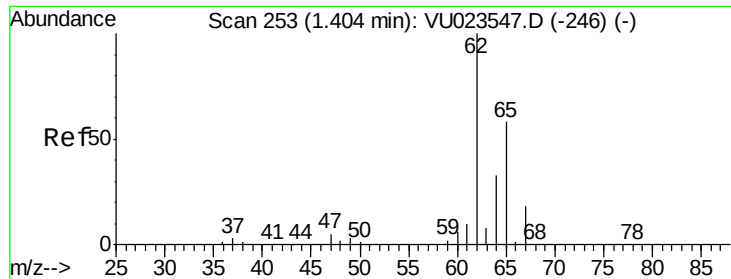
						Qvalue
5) Vinyl chloride	1.40	62	6106	1.70	ug/L	# 1
8) Chloroethane	1.40	64	3468	1.60	ug/L	99
12) 1,1-Dichloroethene	2.28	96	118444	49.52	ug/L	93
17) trans-1,2-Dichloroethene	2.99	96	19309	7.38	ug/L	92
20) cis-1,2-Dichloroethene	4.23	96	768177	264.48	ug/L	99
33) Benzene	5.39	78	553172	50.22	ug/L	100
34) Trichloroethene	6.19	95	1794214	635.79	ug/L	98
37) 1,2-Dichloropropane	6.33	63	15540	4.92	ug/L	# 88
42) Toluene	7.64	91	585995	51.33	ug/L	100
46) Tetrachloroethene	8.23	164	40320	17.53	ug/L	98
48) 2-Hexanone	8.31	43	15367	4.58	ug/L	# 68
49) Dibromochloromethane	8.23	129	36738	13.00	ug/L	# 11
51) Chlorobenzene	9.12	112	373888	49.15	ug/L	99
59) 1,2,3-Trichloropropane	11.49	75	18074	5.19	ug/L	90

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

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#5

Vinyl chloride

Concen: 1.70 ug/L

RT: 1.40 min Scan# 253

Delta R.T. 0.00 min

Lab File: VU023554.D

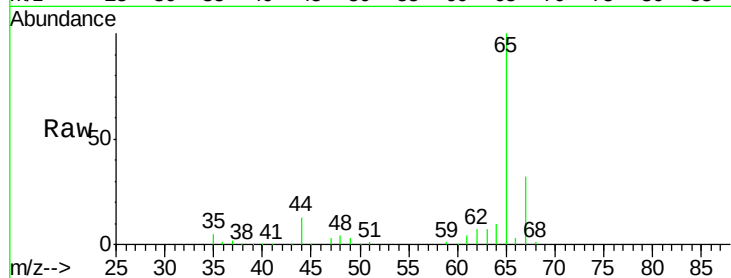
Acq: 01 May 2018 15:26

Tgt Ion: 62 Resp: 6106

Ion Ratio Lower Upper

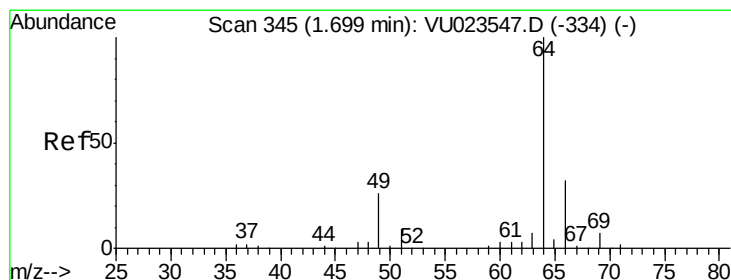
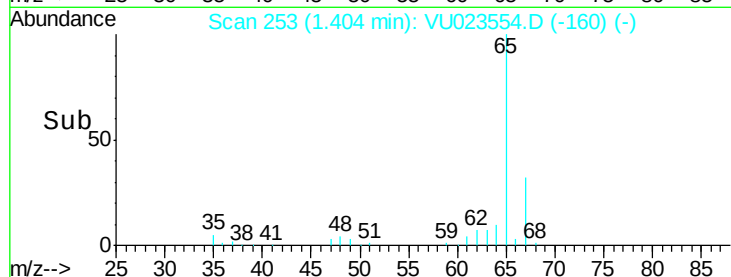
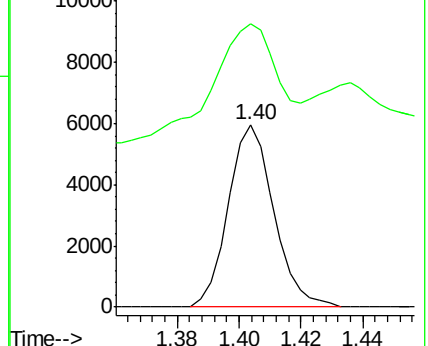
62 100

64 154.9 24.1 44.7#



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#8

Chloroethane

Concen: 1.60 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.30 min

Lab File: VU023554.D

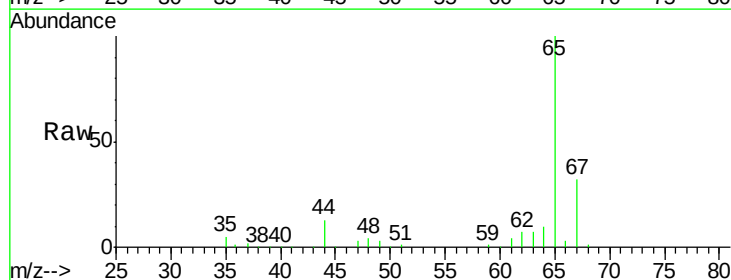
Acq: 01 May 2018 15:26

Tgt Ion: 64 Resp: 3468

Ion Ratio Lower Upper

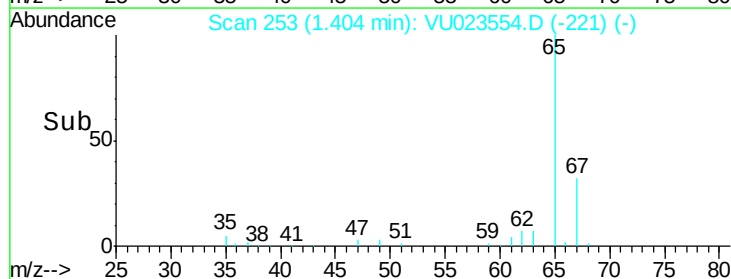
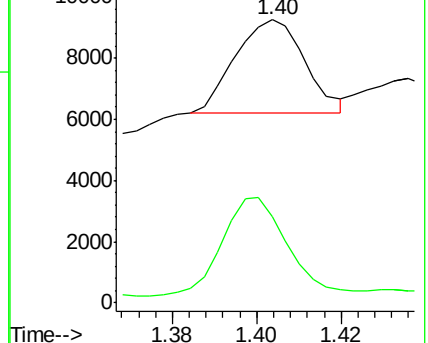
64 100

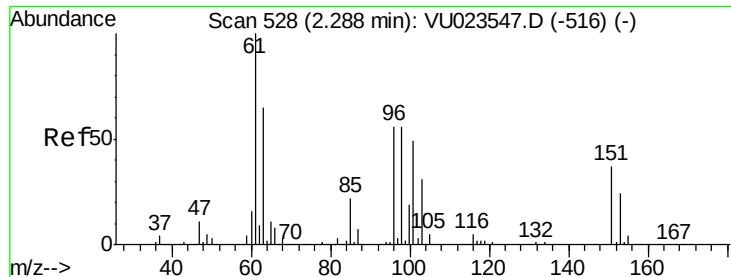
66 30.6 21.7 40.3



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0





#12

1,1-Dichloroethene

Concen: 49.52 ug/L

RT: 2.28 min Scan# 527

Delta R.T. -0.00 min

Lab File: VU023554.D

Acq: 01 May 2018 15:26

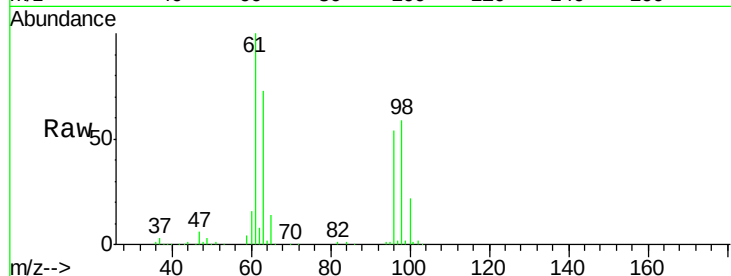
Tgt Ion: 96 Resp: 118444

Ion Ratio Lower Upper

96 100

61 184.7 125.9 233.7

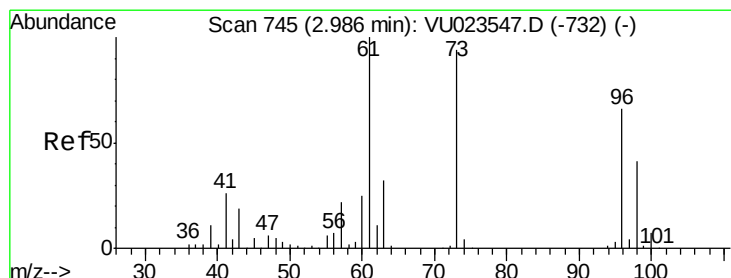
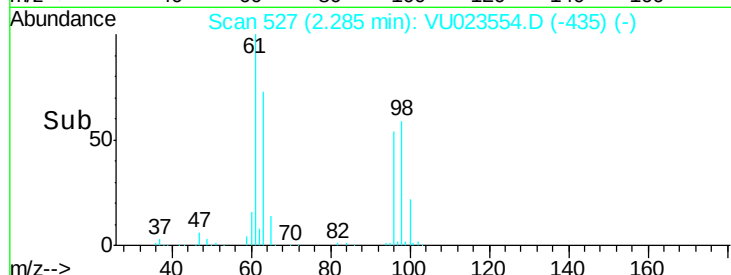
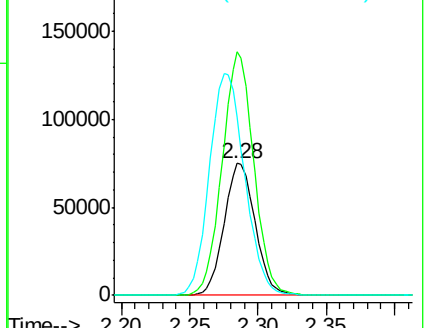
63 135.1 84.8 157.6



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



#17

trans-1,2-Dichloroethene

Concen: 7.38 ug/L

RT: 2.99 min Scan# 745

Delta R.T. 0.00 min

Lab File: VU023554.D

Acq: 01 May 2018 15:26

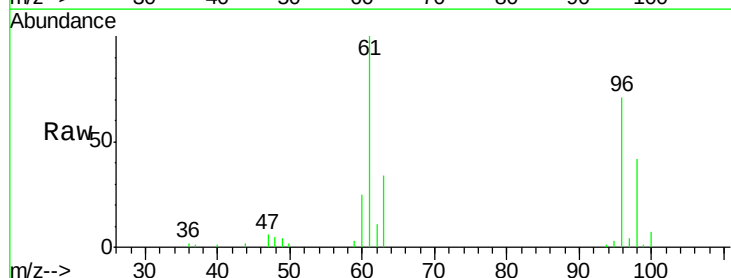
Tgt Ion: 96 Resp: 19309

Ion Ratio Lower Upper

96 100

61 140.8 106.9 198.5

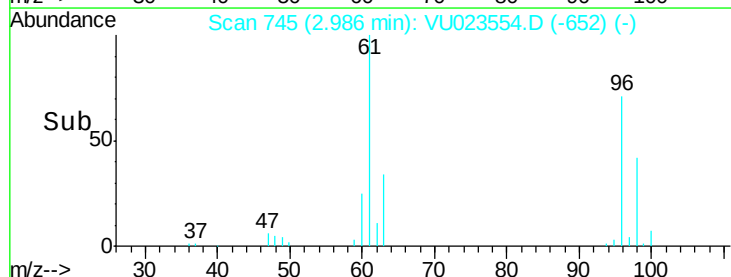
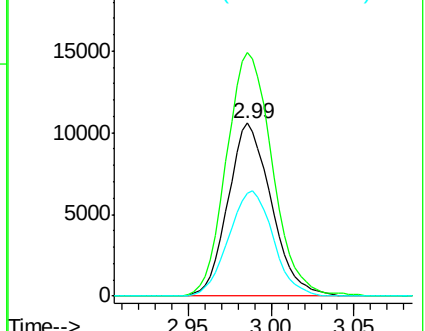
98 59.4 44.2 82.2

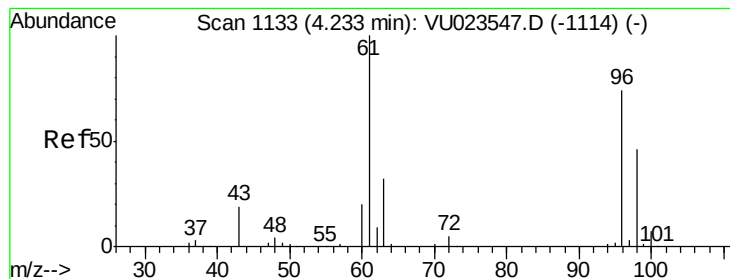


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#20

cis-1,2-Dichloroethene

Concen: 264.48 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VU023554.D

Acq: 01 May 2018 15:26

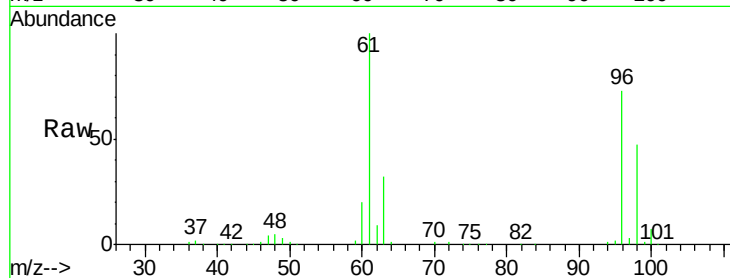
Tgt Ion: 96 Resp: 768177

Ion Ratio Lower Upper

96 100

61 137.4 95.3 177.1

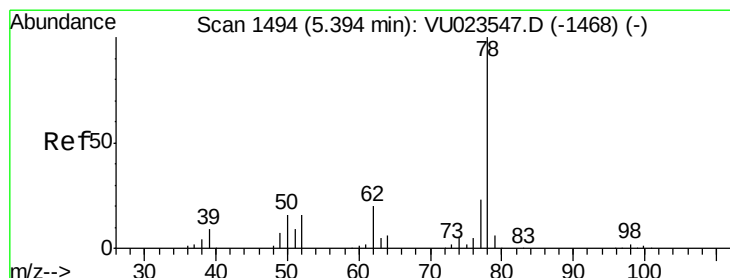
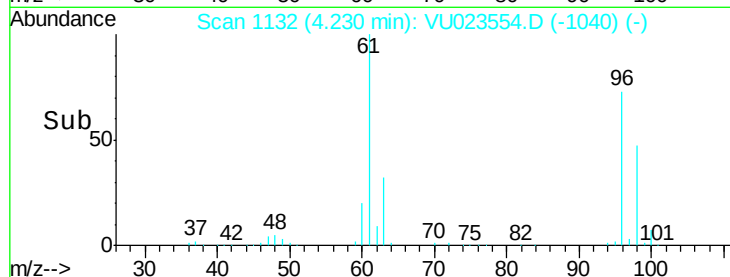
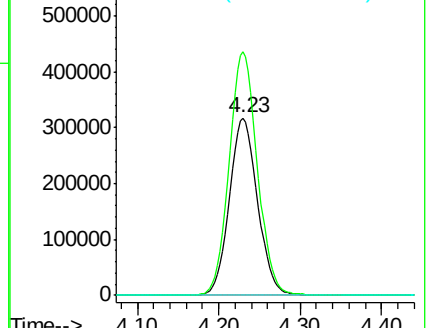
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU023547.D (-1114) (-)

Ion 61.00 (60.70 to 61.70): VU023547.D (-1114) (-)

Ion 68.00 (67.70 to 68.70): VU023547.D (-1114) (-)



#33

Benzene

Concen: 50.22 ug/L

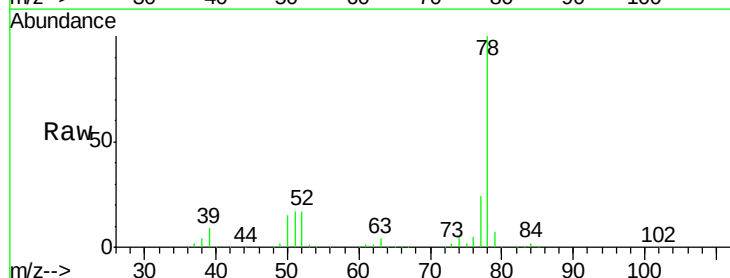
RT: 5.39 min Scan# 1494

Delta R.T. 0.00 min

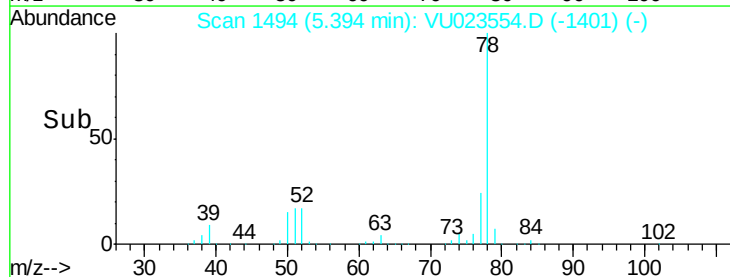
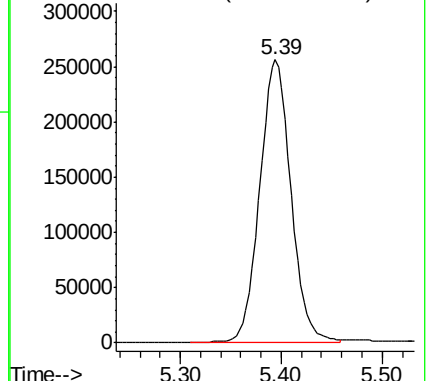
Lab File: VU023554.D

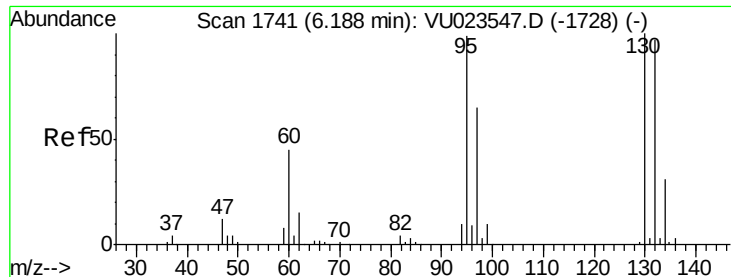
Acq: 01 May 2018 15:26

Tgt Ion: 78 Resp: 553172



Abundance Ion 78.00 (77.70 to 78.70): VU023547.D (-1468) (-)





#34

Trichloroethene

Concen: 635.79 ug/L

RT: 6.19 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VU023554.D

Acq: 01 May 2018 15:26

Tgt Ion: 95 Resp: 1794214

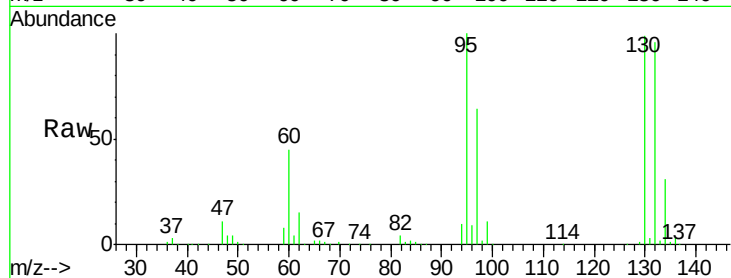
Ion Ratio Lower Upper

95 100

97 64.5 46.3 85.9

132 96.1 68.5 127.1

130 99.2 70.8 131.4

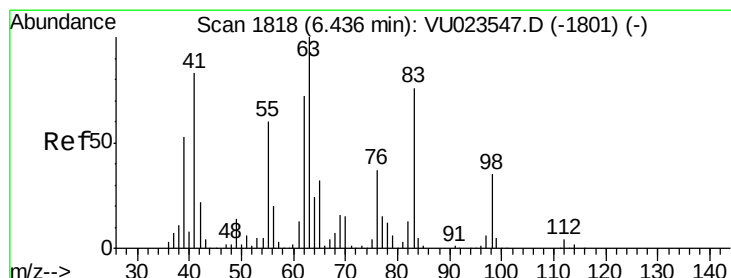
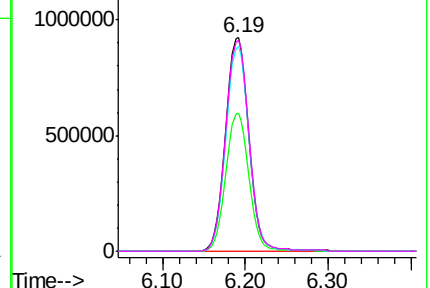
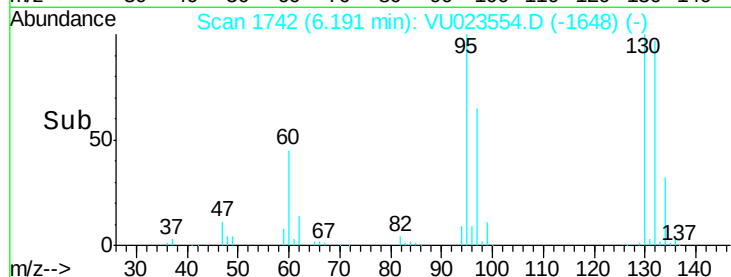


Abundance Ion 95.00 (94.70 to 95.70): VU0

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



#37

1,2-Dichloropropane

Concen: 4.92 ug/L

RT: 6.33 min Scan# 1786

Delta R.T. -0.10 min

Lab File: VU023554.D

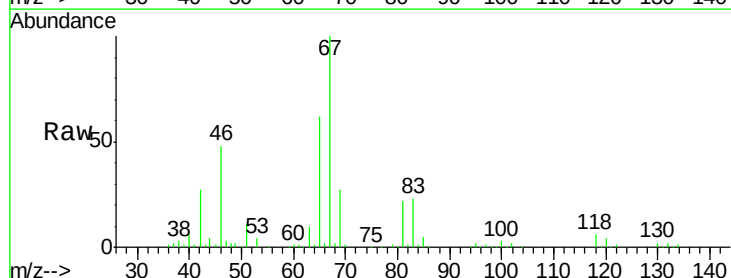
Acq: 01 May 2018 15:26

Tgt Ion: 63 Resp: 15540

Ion Ratio Lower Upper

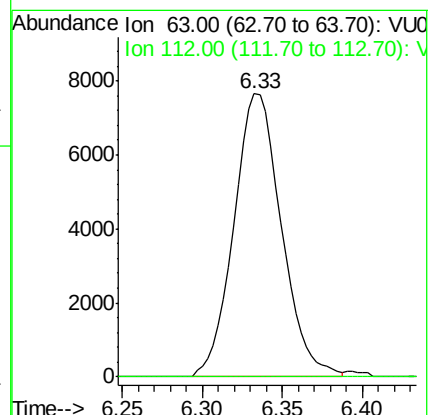
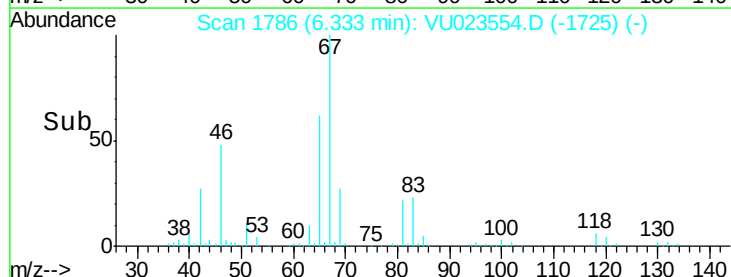
63 100

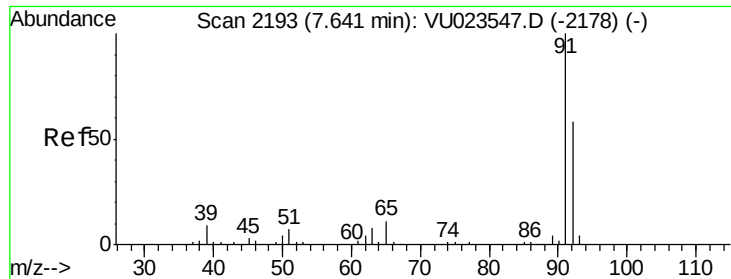
112 0.0 3.1 4.7#



Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V





#42

Toluene

Concen: 51.33 ug/L

RT: 7.64 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VU023554.D

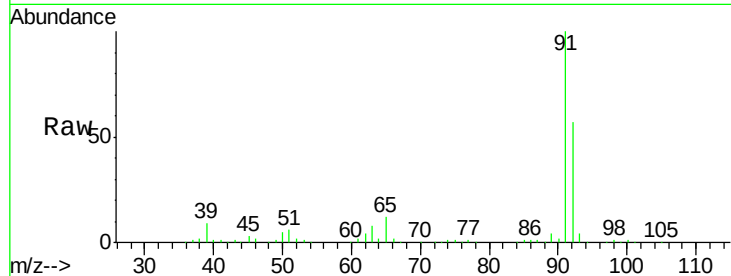
Acq: 01 May 2018 15:26

Tgt Ion: 91 Resp: 585995

Ion Ratio Lower Upper

91 100

92 57.4 40.3 74.9



Abundance Ion 91.00 (90.70 to 91.70): VU023547.D (-2178) (-)

Ion 92.00 (91.70 to 92.70): VU023547.D (-2178) (-)

7.64

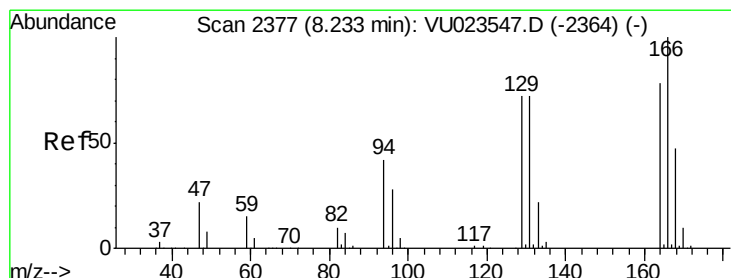
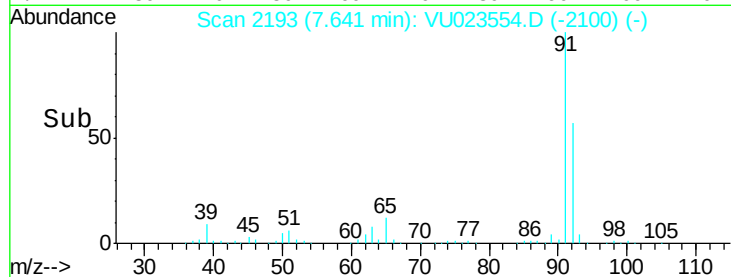
300000

200000

100000

0

Time-->



#46

Tetrachloroethene

Concen: 17.53 ug/L

RT: 8.23 min Scan# 2376

Delta R.T. -0.00 min

Lab File: VU023554.D

Acq: 01 May 2018 15:26

Tgt Ion: 164 Resp: 40320

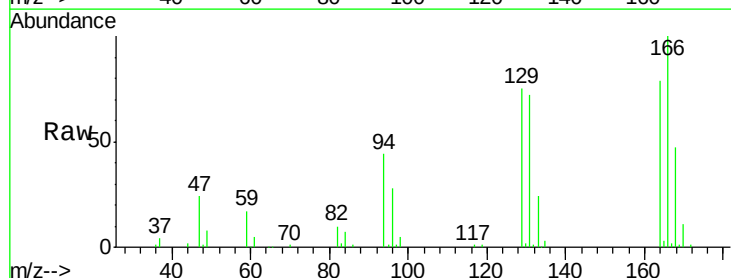
Ion Ratio Lower Upper

164 100

129 95.5 64.2 119.2

131 91.1 64.1 119.1

166 126.9 89.4 166.0



Abundance Ion 164.00 (163.70 to 164.70): VU023547.D (-2364) (-)

Ion 129.00 (128.70 to 129.70): VU023547.D (-2364) (-)

Ion 131.00 (130.70 to 131.70): VU023547.D (-2364) (-)

Ion 166.00 (165.70 to 166.70): VU023547.D (-2364) (-)

40000

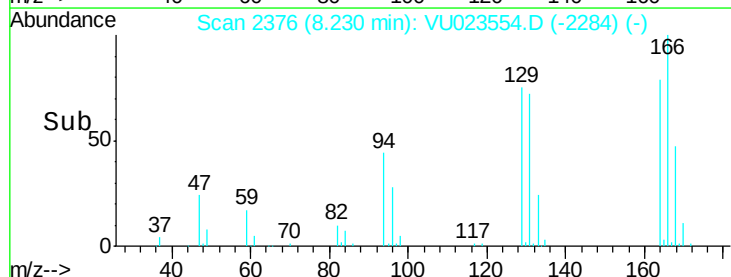
30000

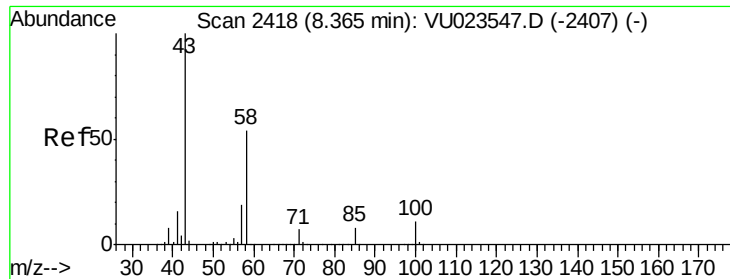
20000

10000

0

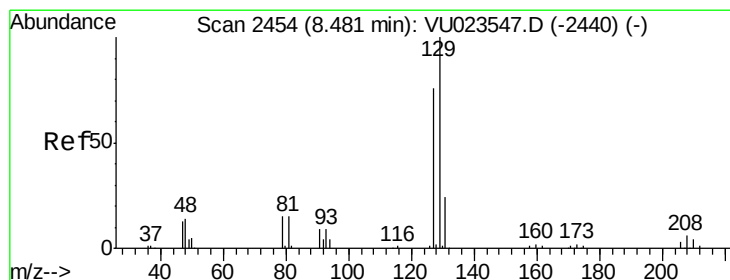
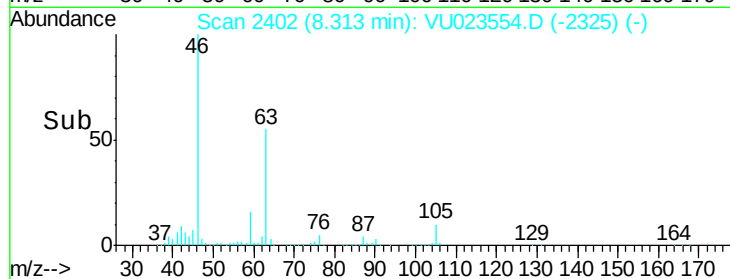
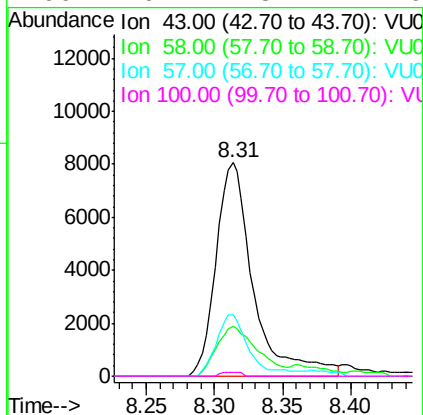
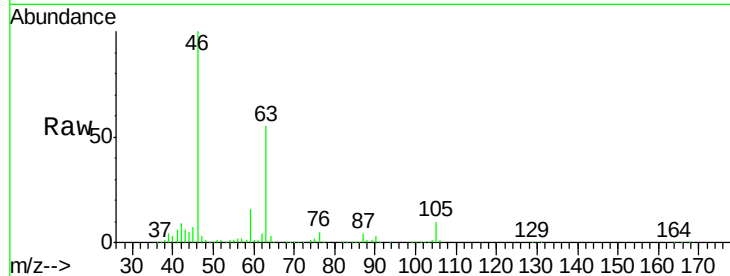
Time-->





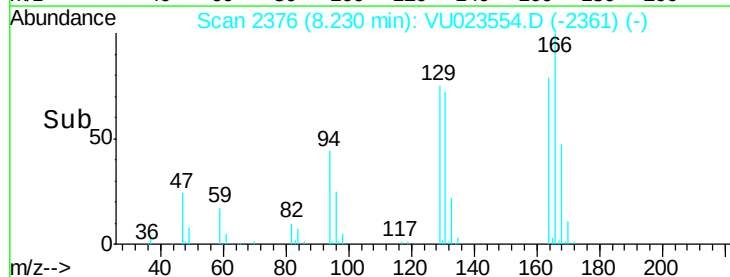
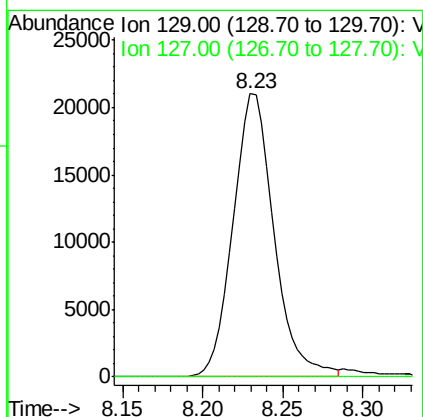
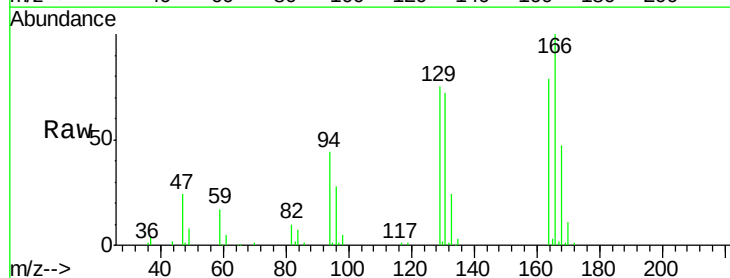
#48
2-Hexanone
Concen: 4.58 ug/L
RT: 8.31 min Scan# 2402
Delta R.T. -0.05 min
Lab File: VU023554.D
Acq: 01 May 2018 15:26

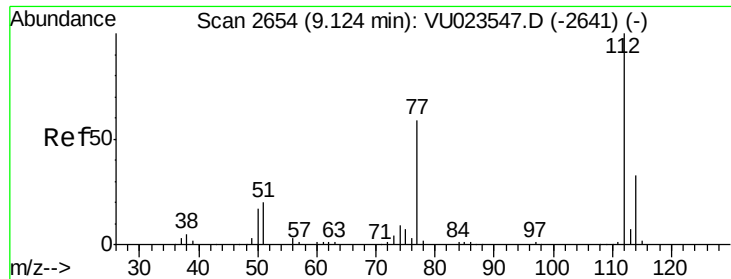
Tgt Ion:	43	Resp:	15367
Ion	Ratio	Lower	Upper
43	100		
58	25.3	43.0	64.6#
57	23.6	14.6	22.0#
100	0.7	8.4	12.6#



#49
Dibromochloromethane
Concen: 13.00 ug/L
RT: 8.23 min Scan# 2376
Delta R.T. -0.25 min
Lab File: VU023554.D
Acq: 01 May 2018 15:26

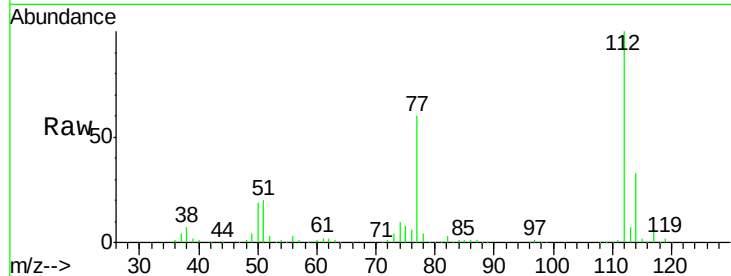
Tgt Ion:	129	Resp:	36738
Ion	Ratio	Lower	Upper
129	100		
127	0.0	53.3	99.1#



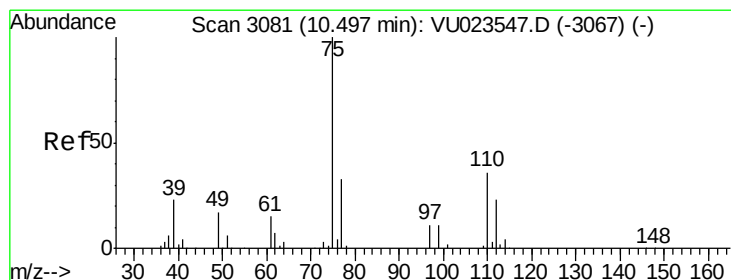
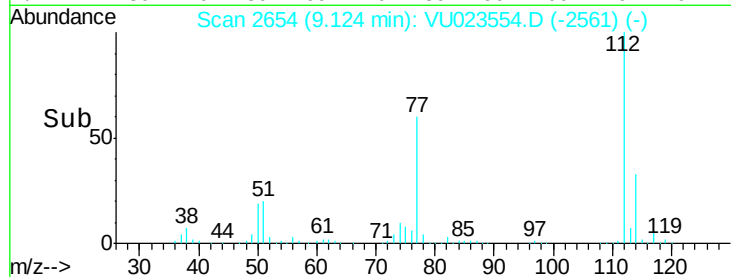
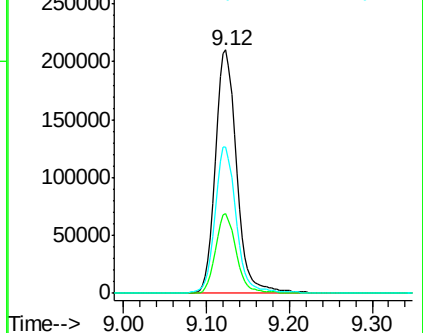


#51
Chlorobenzene
Concen: 49.15 ug/L
RT: 9.12 min Scan# 2654
Delta R.T. 0.00 min
Lab File: VU023554.D
Acq: 01 May 2018 15:26

Tgt Ion: 112 Resp: 373888
Ion Ratio Lower Upper
112 100
114 32.5 22.7 42.3
77 60.2 47.5 71.3

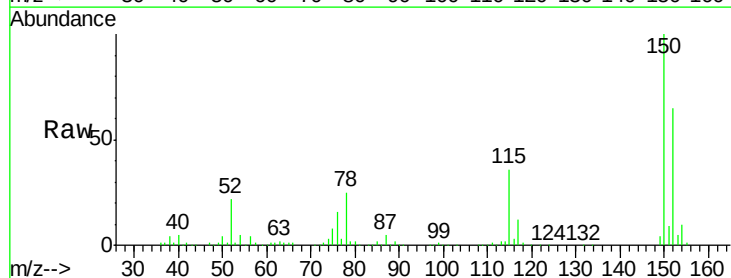


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V



#59
1,2,3-Trichloropropane
Concen: 5.19 ug/L
RT: 11.49 min Scan# 3389
Delta R.T. 0.99 min
Lab File: VU023554.D
Acq: 01 May 2018 15:26

Tgt Ion: 75 Resp: 18074
Ion Ratio Lower Upper
75 100
77 37.9 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VU
Ion 77.00 (76.70 to 77.70): VU

