

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100518\
 Data File : VU027444.D
 Acq On : 05 Oct 2018 10:34
 Operator : MD/SY
 Sample : I.BLK
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 I.BLK

Quant Time: Oct 06 04:14:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 06 04:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	226103	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	212942	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	102336	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	88570	49.78	ug/L	0.00
7) Chloroethane-d5	1.68	69	71046	51.83	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	127062	38.07	ug/L	0.00
21) 2-Butanone-d5	4.18	46	149896	104.35	ug/L	0.00
24) Chloroform-d	4.65	84	137453	48.30	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	100575	50.43	ug/L	0.00
32) Benzene-d6	5.34	84	315837	51.75	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	108227	51.77	ug/L	0.00
41) Toluene-d8	7.57	98	274293	50.28	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	50369	50.00	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	111246	105.37	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	138616	50.71	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	103012	51.45	ug/L	0.00

Target Compounds

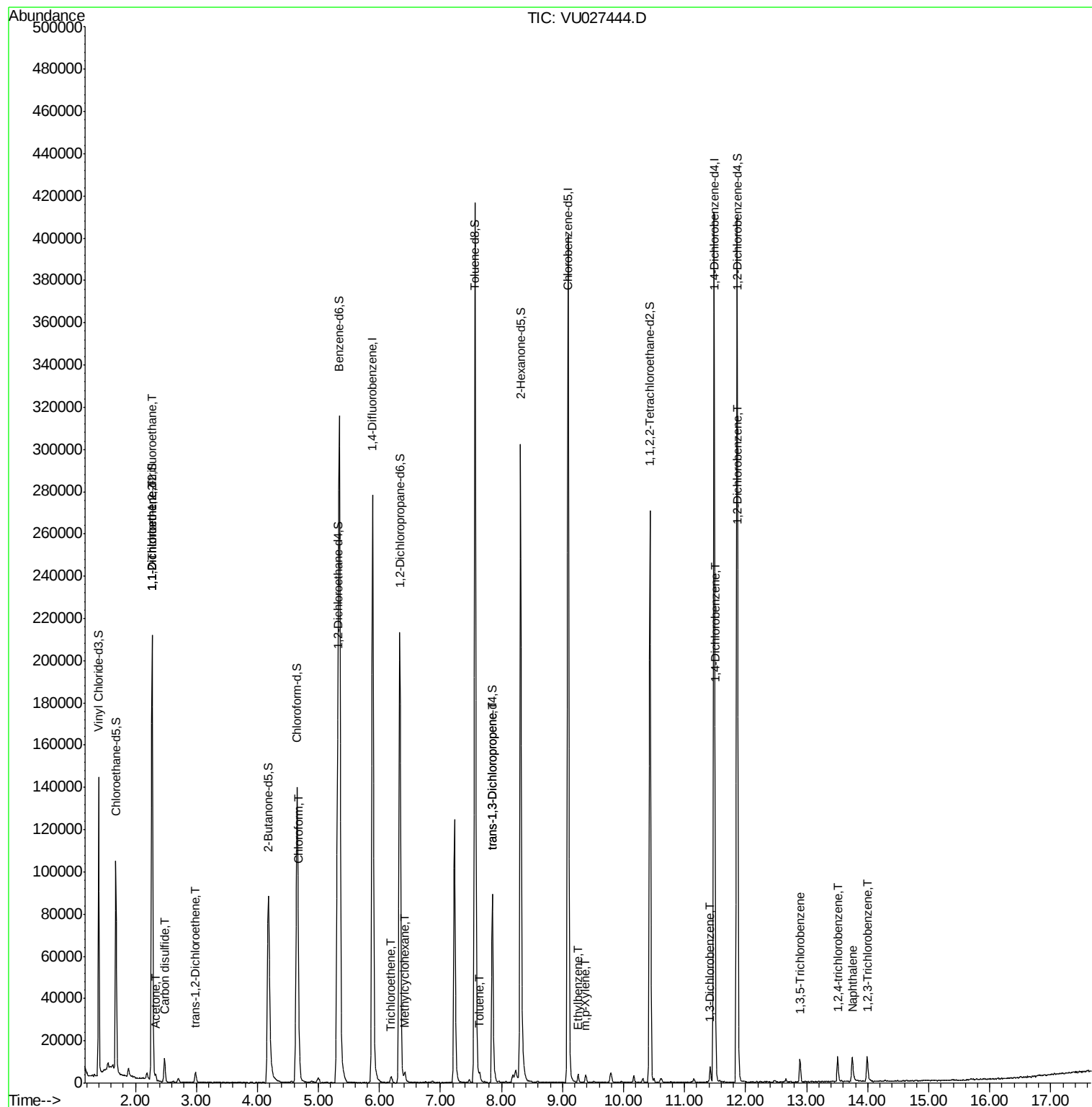
					Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	1700	1.136 ug/L #	51
12) 1,1-Dichloroethene	2.28	96	1555	1.065 ug/L #	1
13) Acetone	2.32	43	965	0.819 ug/L	70
14) Carbon disulfide	2.48	76	13489	2.514 ug/L	97
17) trans-1,2-Dichloroethene	2.98	96	1850	1.144 ug/L	86
25) Chloroform	4.68	83	12341	3.825 ug/L	98
34) Trichloroethene	6.20	95	1260	0.749 ug/L	83
35) Methylcyclohexane	6.41	83	1785	0.610 ug/L #	79
42) Toluene	7.64	91	2690	0.383 ug/L	96
44) trans-1,3-Dichloropropene	7.85	75	1928	0.697 ug/L	85
52) Ethylbenzene	9.25	91	3286	0.422 ug/L	92
53) m,p-Xylene	9.38	106	1317	0.462 ug/L	87
62) 1,3-Dichlorobenzene	11.42	146	3295	1.035 ug/L	97
63) 1,4-Dichlorobenzene	11.51	146	4054	1.220 ug/L	93
65) 1,2-Dichlorobenzene	11.88	146	2869	0.885 ug/L	91
67) 1,3,5-Trichlorobenzene	12.89	180	3915	1.591 ug/L	96
68) 1,2,4-trichlorobenzene	13.51	180	4432	1.958 ug/L	98
69) Naphthalene	13.75	128	11429	1.638 ug/L	98
70) 1,2,3-Trichlorobenzene	13.99	180	5145	2.236 ug/L #	92

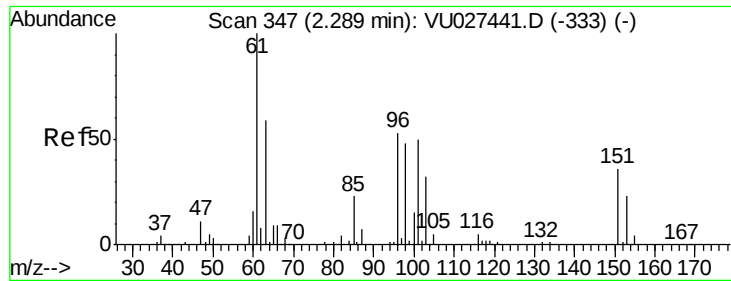
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100518\
Data File : VU027444.D
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MSVOA_U
ClientSampleId :
I.BLK

Quant Time: Oct 06 04:14:07 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM100518WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Oct 06 04:10:10 2018
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.136 ug/L

RT: 2.28 min Scan# 345

Delta R.T. -0.01 min

Lab File: VU027444.D

Acq: 05 Oct 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

I.BLK

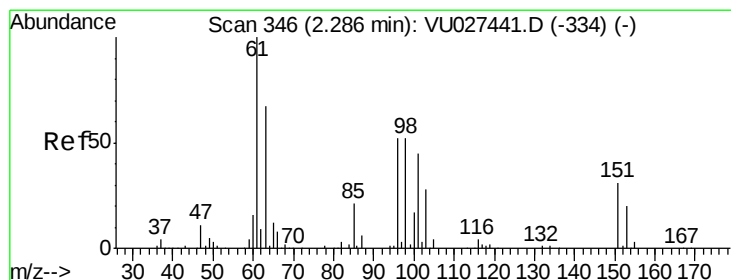
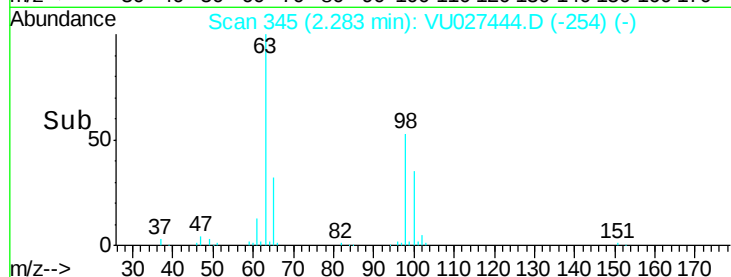
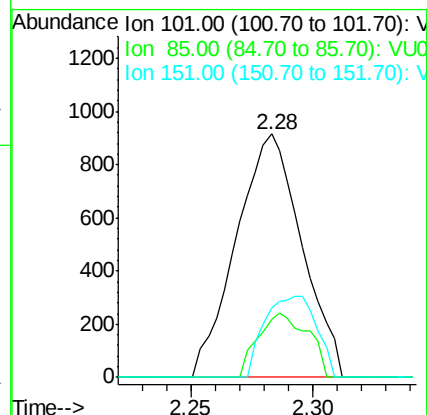
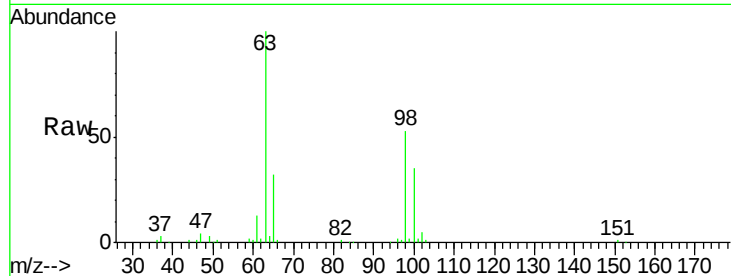
Tgt Ion:101 Resp: 1700

Ion Ratio Lower Upper

101 100

85 16.5 35.9 53.9#

151 26.2 55.7 83.5#



#12

1,1-Dichloroethene

Concen: 1.065 ug/L

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU027444.D

Acq: 05 Oct 2018 10:34

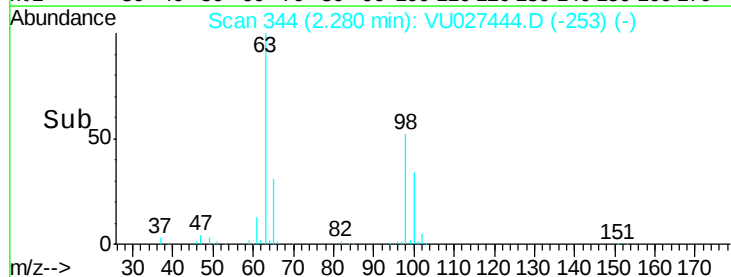
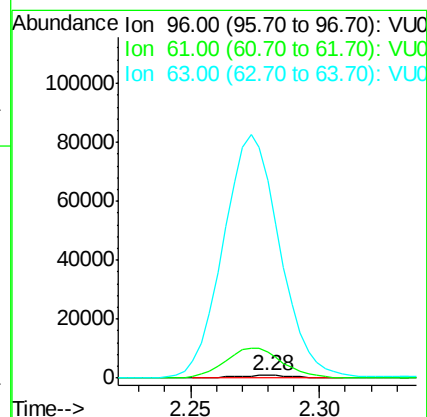
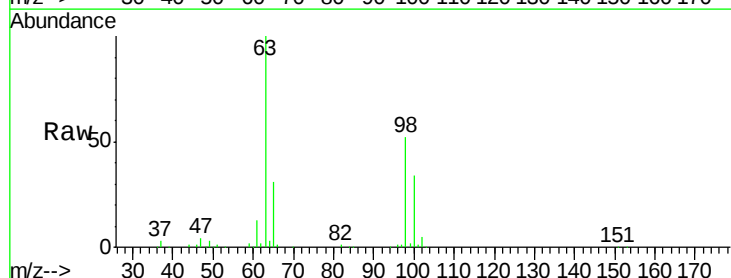
Tgt Ion: 96 Resp: 1555

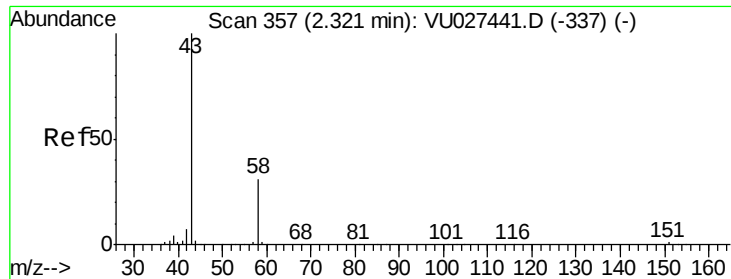
Ion Ratio Lower Upper

96 100

61 1006.8 135.2 251.0#

63 7766.7 94.3 175.1#





#13

Acetone

Concen: 0.819 ug/L

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU027444.D

Acq: 05 Oct 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

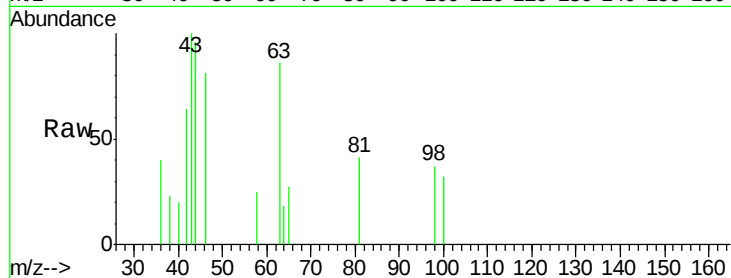
I.BLK

Tgt Ion: 43 Resp: 965

Ion Ratio Lower Upper

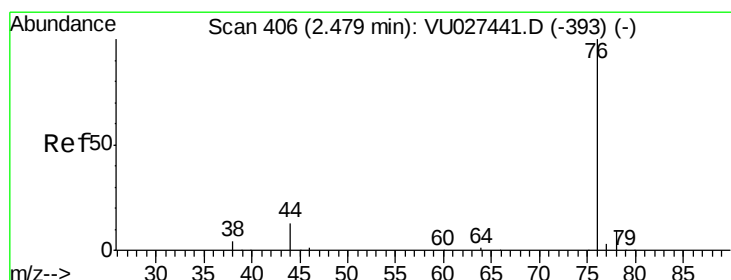
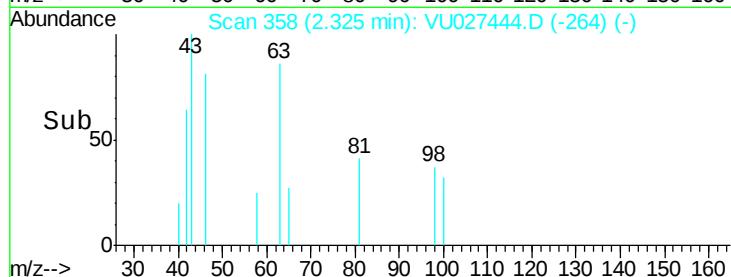
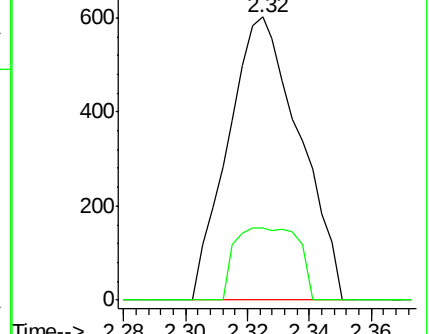
43 100

58 14.3 0.0 60.8



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0



#14

Carbon disulfide

Concen: 2.514 ug/L

RT: 2.48 min Scan# 406

Delta R.T. 0.00 min

Lab File: VU027444.D

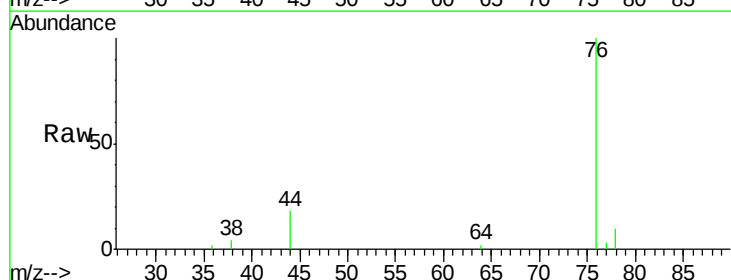
Acq: 05 Oct 2018 10:34

Tgt Ion: 76 Resp: 13489

Ion Ratio Lower Upper

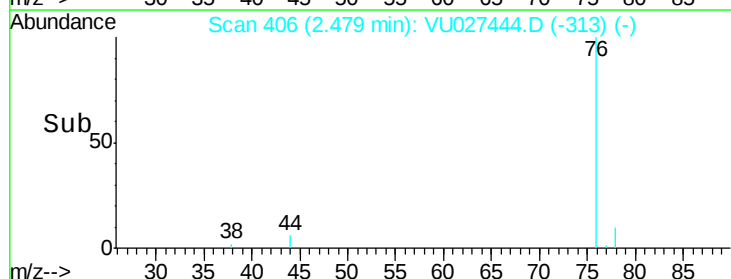
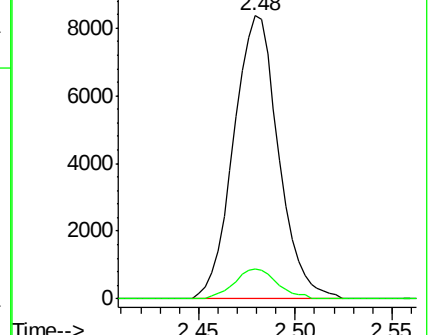
76 100

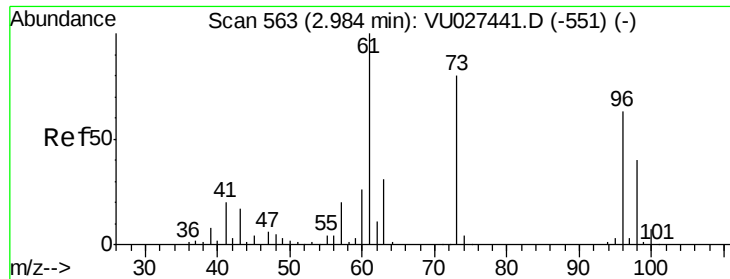
78 10.4 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU0

Ion 78.00 (77.70 to 78.70): VU0





#17

trans-1,2-Dichloroethene

Concen: 1.144 ug/L

RT: 2.98 min Scan# 562

Delta R.T. -0.00 min

Lab File: VU027444.D

Acq: 05 Oct 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

I.BLK

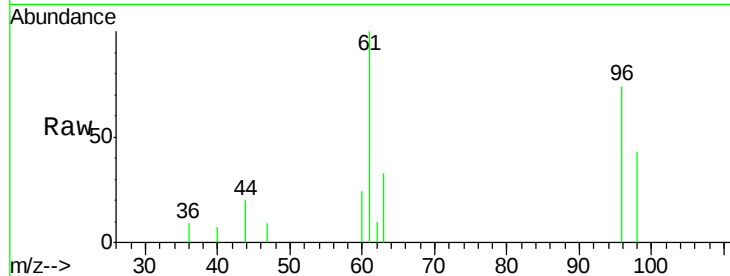
Tgt Ion: 96 Resp: 1850

Ion Ratio Lower Upper

96 100

61 135.8 110.9 205.9

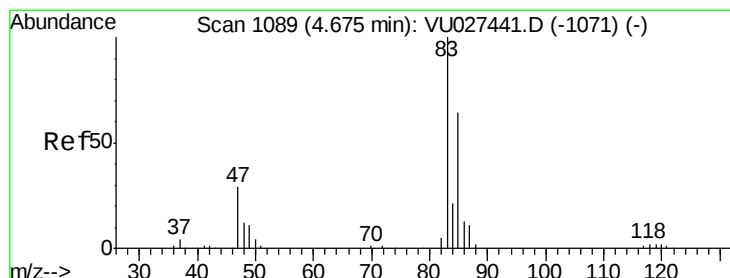
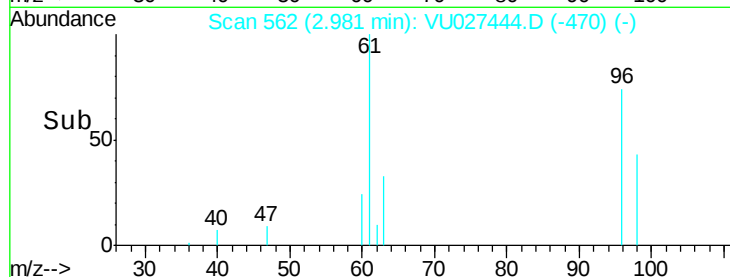
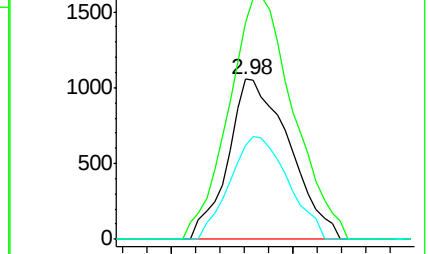
98 58.3 43.7 81.1



Abundance Ion 96.00 (95.70 to 96.70): VU027441.D (-551) (-)

Ion 61.00 (60.70 to 61.70): VU027441.D (-551) (-)

Ion 98.00 (97.70 to 98.70): VU027441.D (-551) (-)



#25

Chloroform

Concen: 3.825 ug/L

RT: 4.68 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VU027444.D

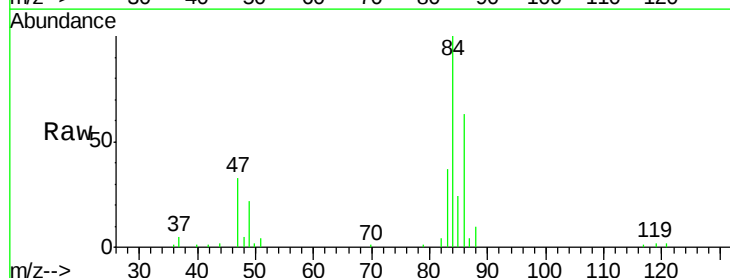
Acq: 05 Oct 2018 10:34

Tgt Ion: 83 Resp: 12341

Ion Ratio Lower Upper

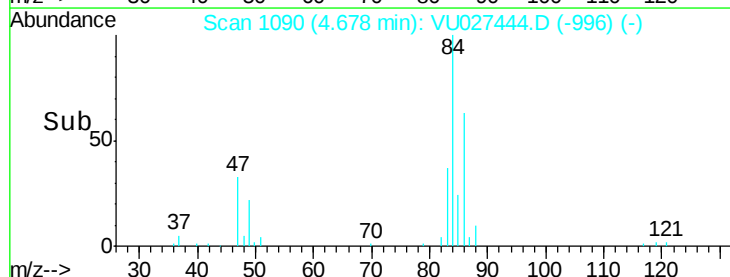
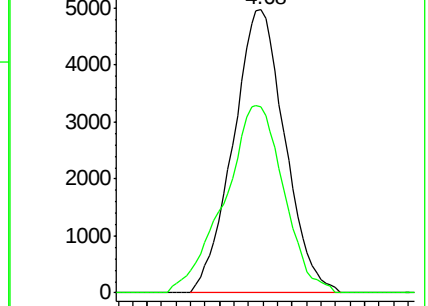
83 100

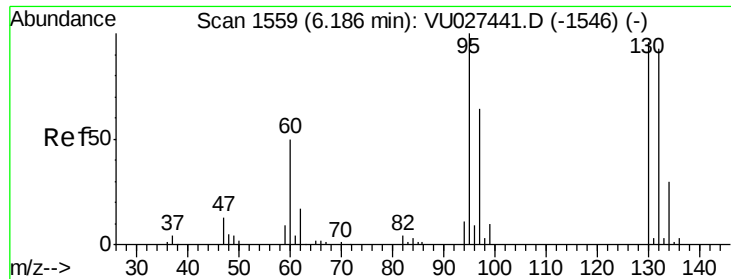
85 65.6 45.0 83.6



Abundance Ion 83.00 (82.70 to 83.70): VU027441.D (-1071) (-)

Ion 85.00 (84.70 to 85.70): VU027441.D (-1071) (-)

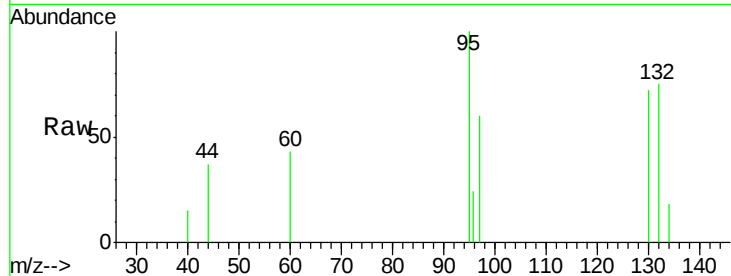




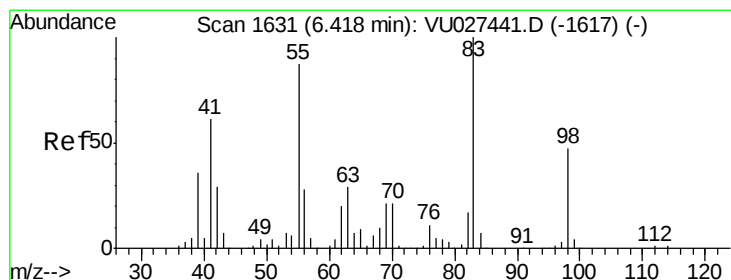
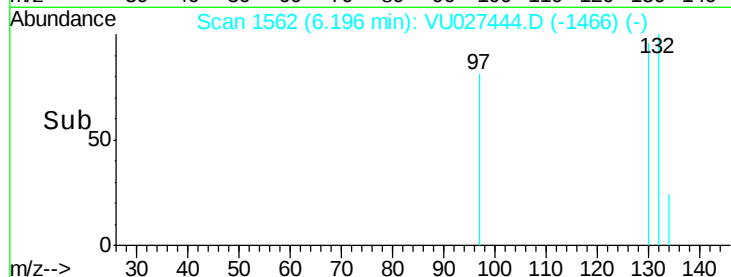
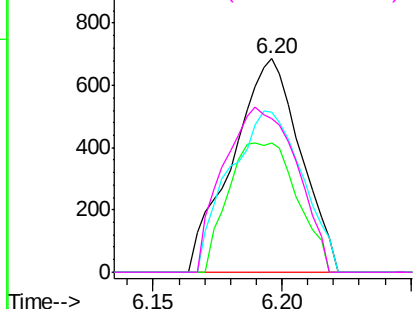
#34
 Trichloroethene
 Concen: 0.749 ug/L
 RT: 6.20 min Scan# 1562
 Delta R.T. 0.01 min
 Lab File: VU027444.D
 Acq: 05 Oct 2018 10:34

Instrument :
 MSVOA_U
 ClientSampled :
 I.BLK

Tgt Ion: 95 Resp: 1260
 Ion Ratio Lower Upper
 95 100
 97 60.5 44.9 83.3
 132 74.8 64.8 120.4
 130 71.7 67.1 124.7

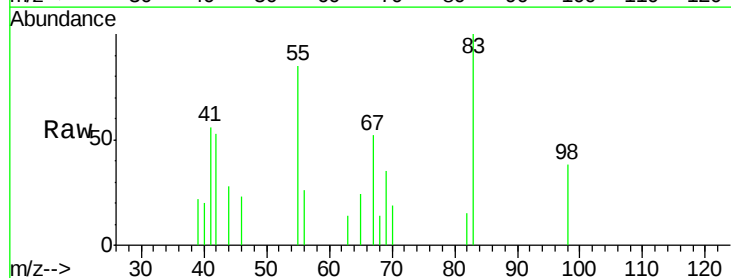


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 97.00 (96.70 to 97.70): VU0
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

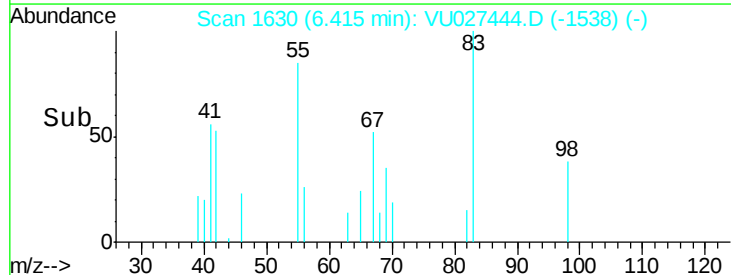
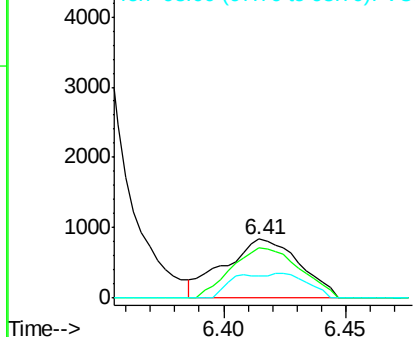


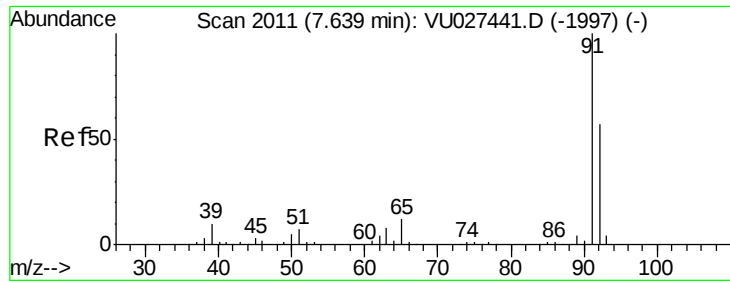
#35
 Methylcyclohexane
 Concen: 0.610 ug/L
 RT: 6.41 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VU027444.D
 Acq: 05 Oct 2018 10:34

Tgt Ion: 83 Resp: 1785
 Ion Ratio Lower Upper
 83 100
 55 78.3 69.9 104.9
 98 17.6 37.1 55.7#



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





#42

Toluene

Concen: 0.383 ug/L

RT: 7.64 min Scan# 2012

Delta R.T. 0.00 min

Lab File: VU027444.D

Acq: 05 Oct 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

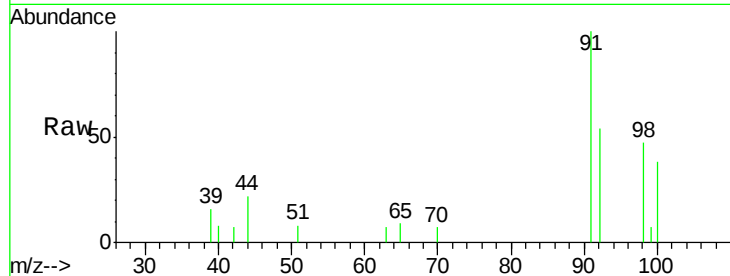
I.BLK

Tgt Ion: 91 Resp: 2690

Ion Ratio Lower Upper

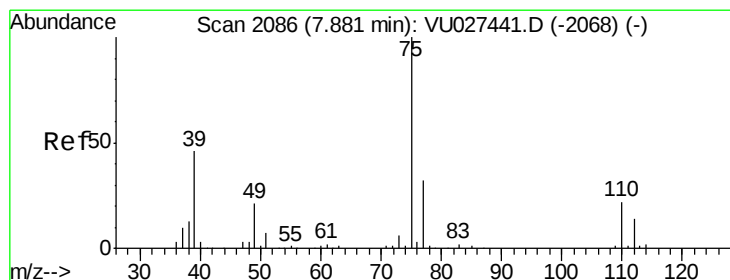
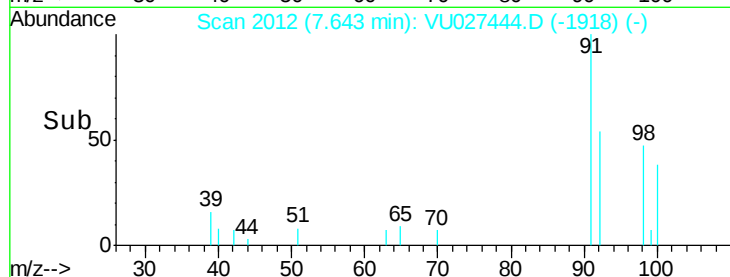
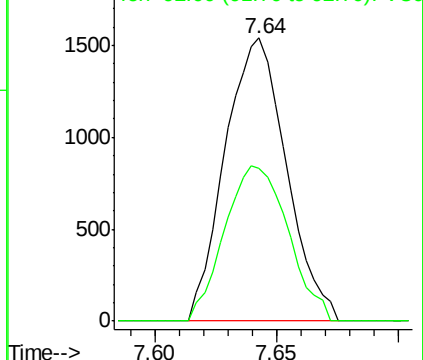
91 100

92 54.1 40.2 74.6



Abundance Ion 91.00 (90.70 to 91.70): VU0

Ion 92.00 (91.70 to 92.70): VU0



#44

trans-1,3-Dichloropropene

Concen: 0.697 ug/L

RT: 7.85 min Scan# 2076

Delta R.T. -0.03 min

Lab File: VU027444.D

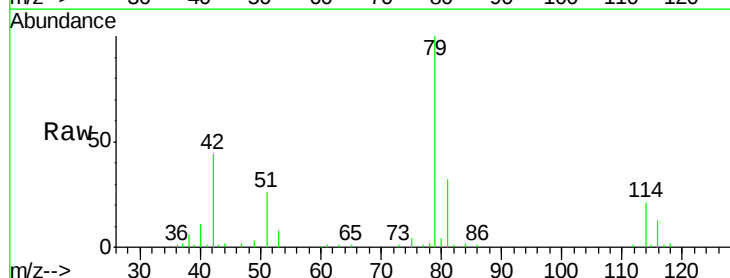
Acq: 05 Oct 2018 10:34

Tgt Ion: 75 Resp: 1928

Ion Ratio Lower Upper

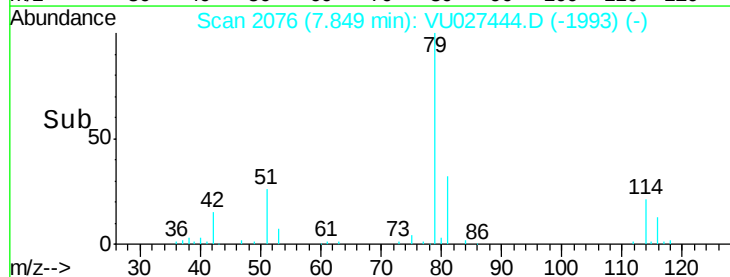
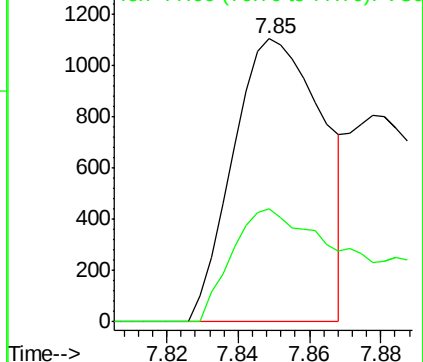
75 100

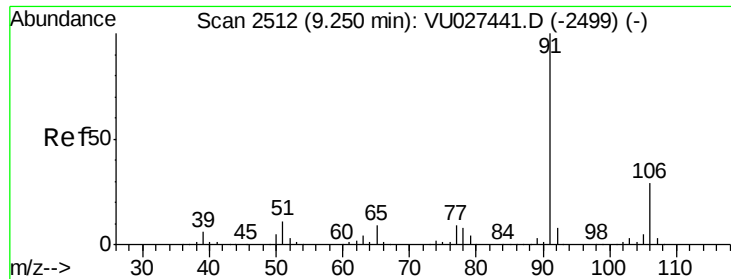
77 39.9 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0





#52

Ethylbenzene

Concen: 0.422 ug/L

RT: 9.25 min Scan# 2513

Delta R.T. 0.00 min

Lab File: VU027444.D

Acq: 05 Oct 2018 10:34

Instrument :

MSVOA_U

ClientSampleId :

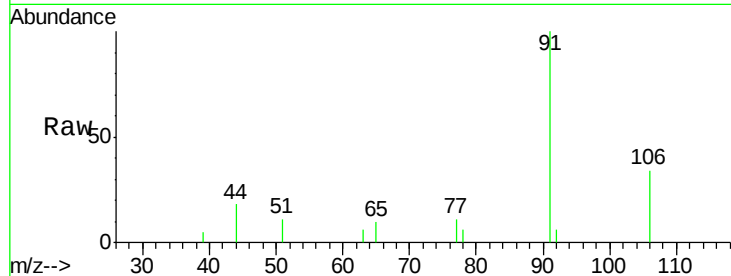
I.BLK

Tgt Ion: 91 Resp: 3286

Ion Ratio Lower Upper

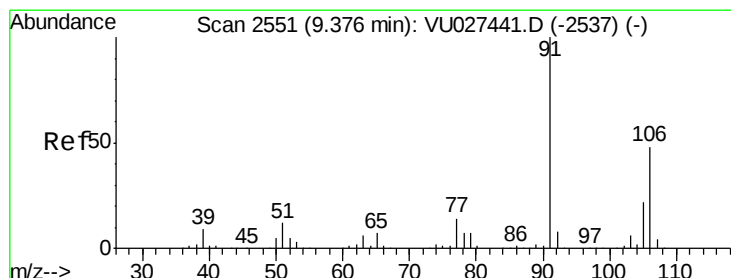
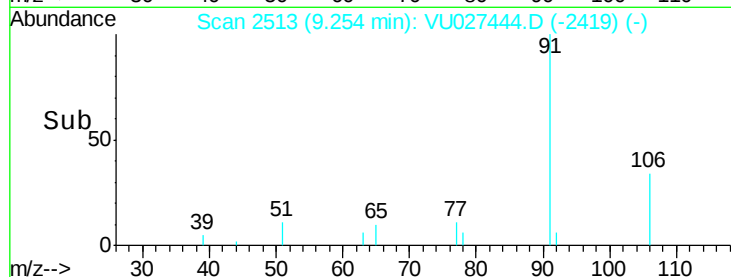
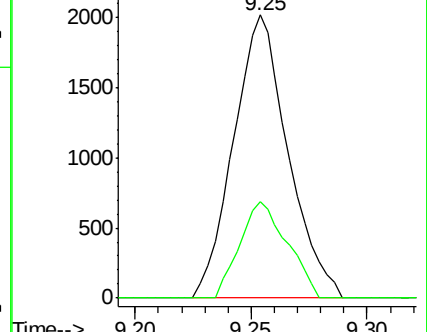
91 100

106 34.0 20.6 38.4



Abundance Ion 91.00 (90.70 to 91.70): VU027444.D (-2499) (-)

Ion 106.00 (105.70 to 106.70): VU027444.D (-2499) (-)



#53

m,p-Xylene

Concen: 0.462 ug/L

RT: 9.38 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VU027444.D

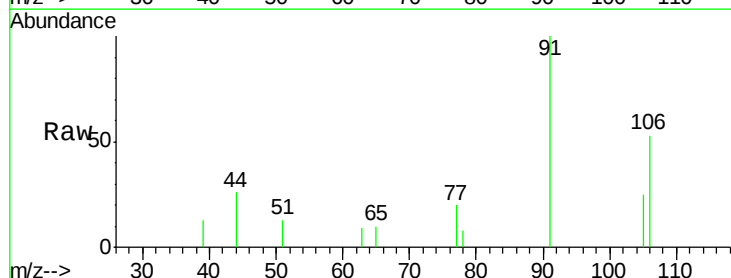
Acq: 05 Oct 2018 10:34

Tgt Ion: 106 Resp: 1317

Ion Ratio Lower Upper

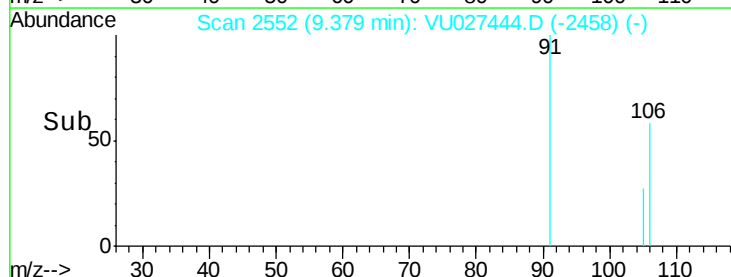
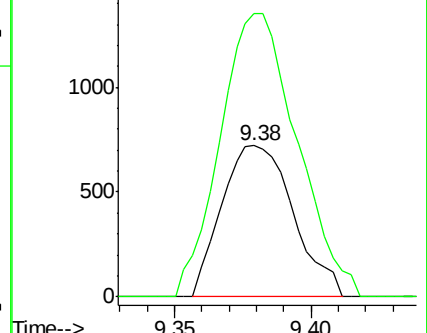
106 100

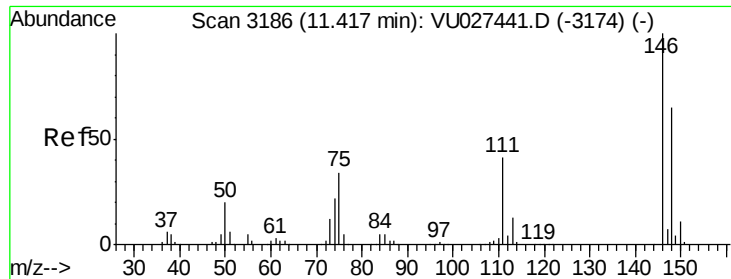
91 187.0 145.0 269.4



Abundance Ion 106.00 (105.70 to 106.70): VU027444.D (-2537) (-)

Ion 91.00 (90.70 to 91.70): VU027444.D (-2537) (-)





#62

1,3-Dichlorobenzene

Concen: 1.035 ug/L

RT: 11.42 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VU027444.D

Acq: 05 Oct 2018 10:34

Instrument :

MSVOA_U

ClientSampled :

I.BLK

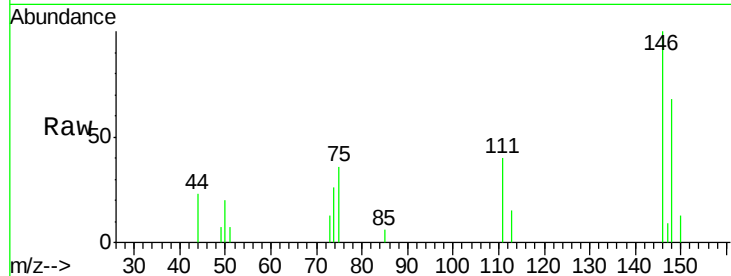
Tgt Ion:146 Resp: 3295

Ion Ratio Lower Upper

146 100

111 40.1 29.0 53.8

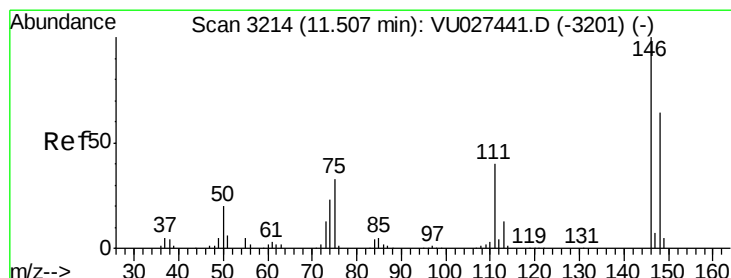
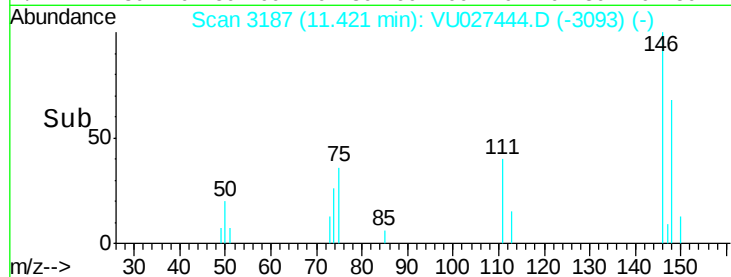
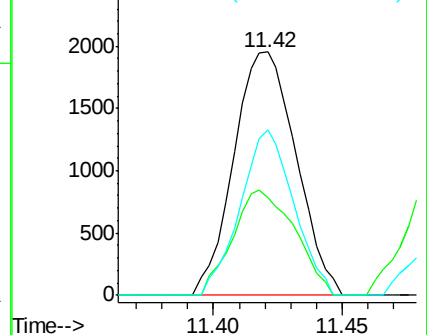
148 67.7 45.4 84.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 1.220 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. 0.00 min

Lab File: VU027444.D

Acq: 05 Oct 2018 10:34

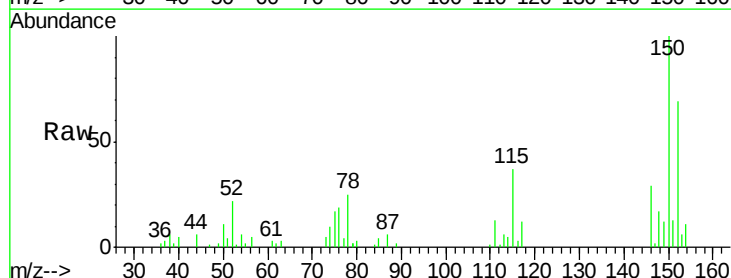
Tgt Ion:146 Resp: 4054

Ion Ratio Lower Upper

146 100

111 43.6 28.1 52.1

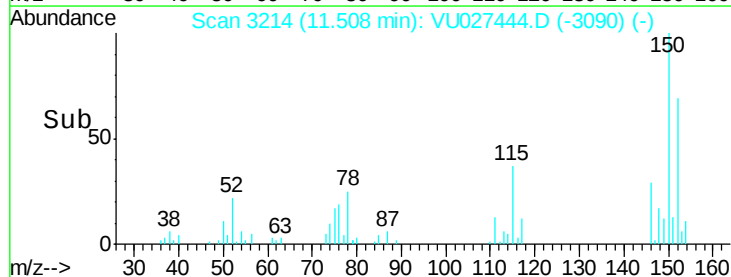
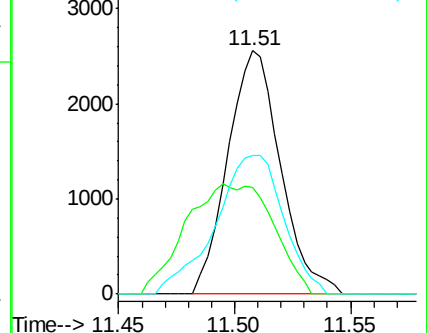
148 57.1 44.4 82.5

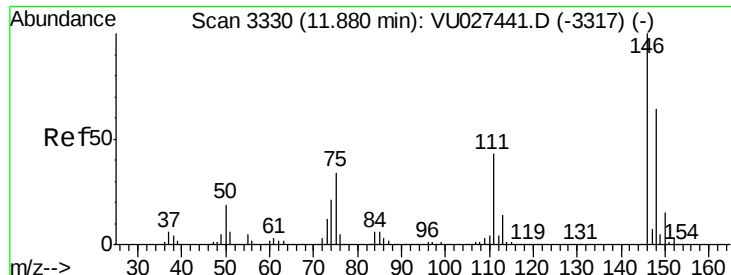


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.885 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU027444.D

Acq: 05 Oct 2018 10:34

Instrument :

MSVOA_U

ClientSampled :

I.BLK

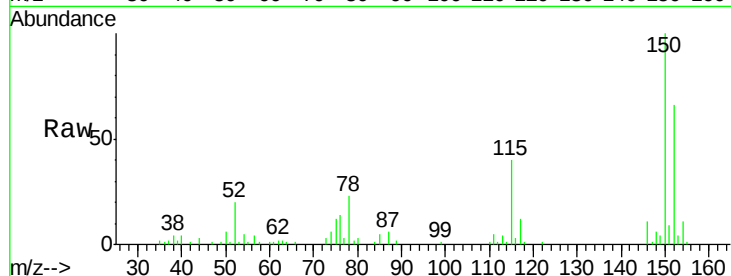
Tgt Ion:146 Resp: 2869

Ion Ratio Lower Upper

146 100

111 49.0 34.9 52.3

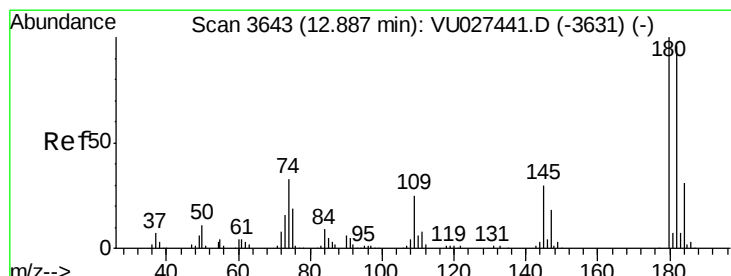
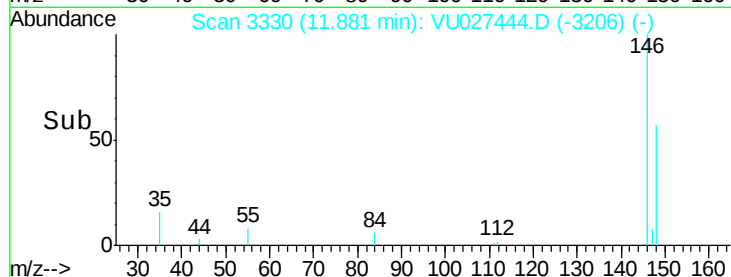
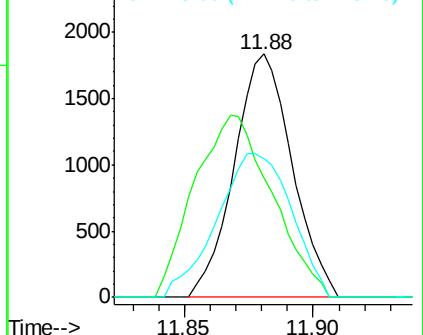
148 56.8 51.6 77.4



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#67

1,3,5-Trichlorobenzene

Concen: 1.591 ug/L

RT: 12.89 min Scan# 3644

Delta R.T. 0.00 min

Lab File: VU027444.D

Acq: 05 Oct 2018 10:34

Tgt Ion:180 Resp: 3915

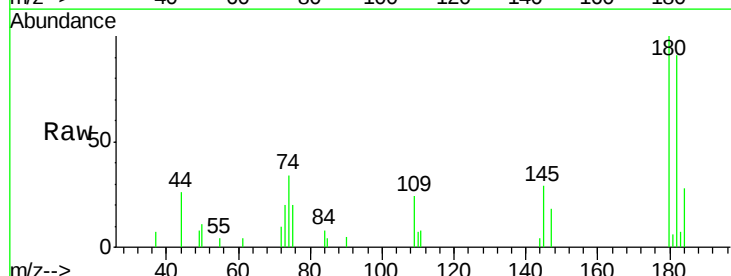
Ion Ratio Lower Upper

180 100

182 90.1 76.7 115.1

184 29.6 24.5 36.7

145 28.5 23.8 35.8

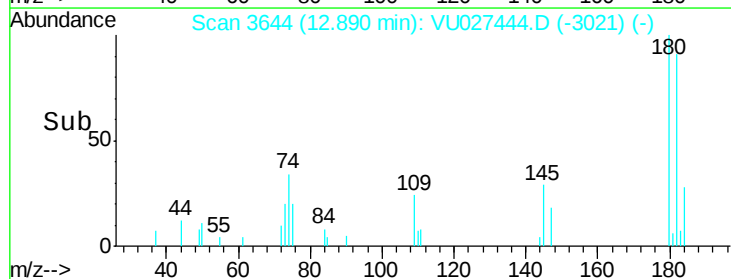
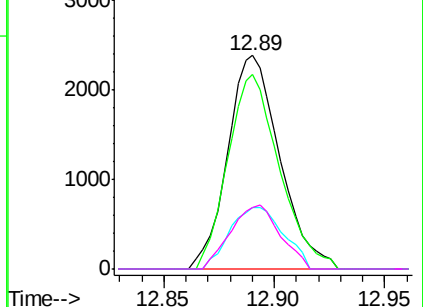


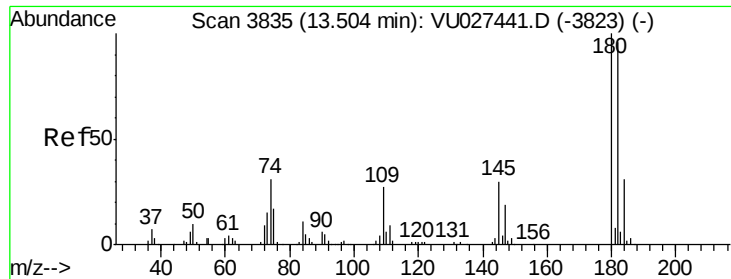
Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V

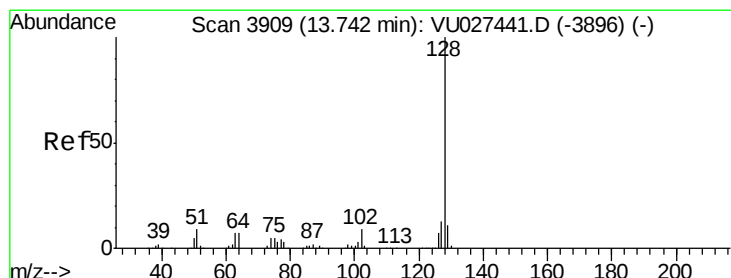
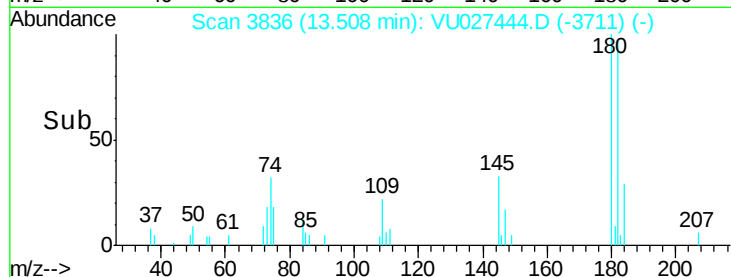
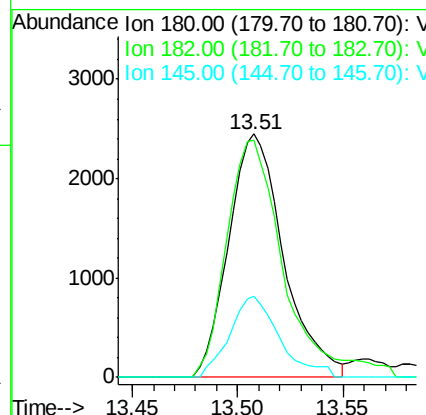
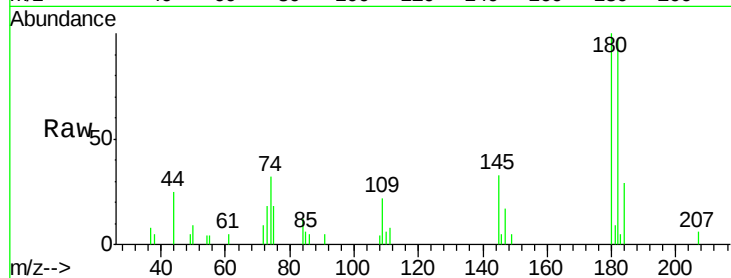




#68
 1,2,4-trichlorobenzene
 Concen: 1.958 ug/L
 RT: 13.51 min Scan# 3836
 Delta R.T. 0.00 min
 Lab File: VU027444.D
 Acq: 05 Oct 2018 10:34

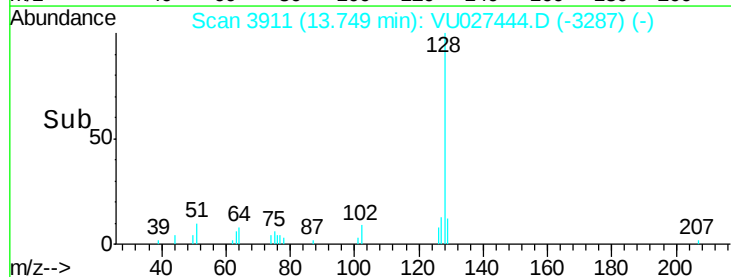
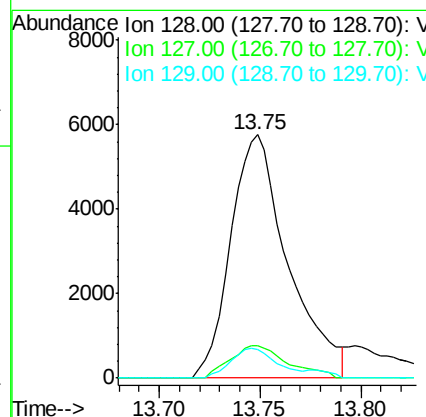
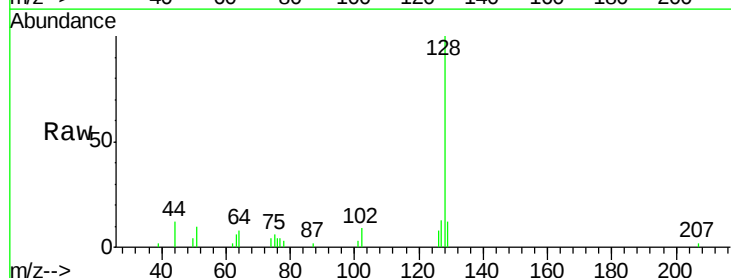
Instrument :
 MSVOA_U
 ClientSampleId :
 I.BLK

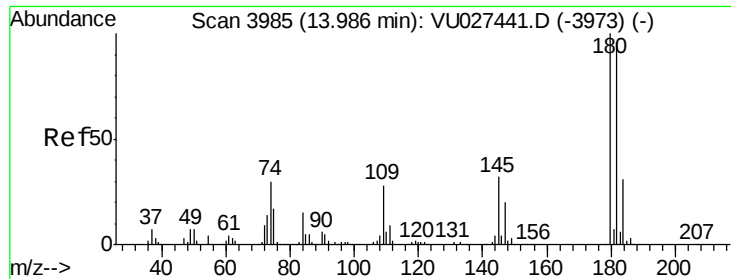
Tgt Ion:180 Resp: 4432
 Ion Ratio Lower Upper
 180 100
 182 97.3 76.3 114.5
 145 29.2 24.2 36.2



#69
 Naphthalene
 Concen: 1.638 ug/L
 RT: 13.75 min Scan# 3911
 Delta R.T. 0.01 min
 Lab File: VU027444.D
 Acq: 05 Oct 2018 10:34

Tgt Ion:128 Resp: 11429
 Ion Ratio Lower Upper
 128 100
 127 13.5 10.4 15.6
 129 9.9 8.6 12.8

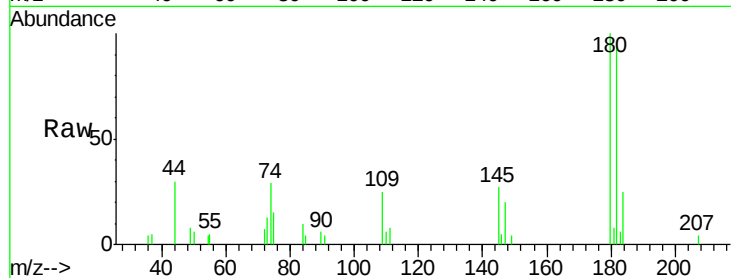




#70
 1,2,3-Trichlorobenzene
 Concen: 2.236 ug/L
 RT: 13.99 min Scan# 3986
 Delta R.T. 0.00 min
 Lab File: VU027444.D
 Acq: 05 Oct 2018 10:34

Instrument :
 MSVOA_U
 ClientSampleId :
 I.BLK

Tgt Ion:180 Resp: 5145
 Ion Ratio Lower Upper
 180 100
 182 90.2 77.4 116.0
 145 24.3 25.5 38.3#



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

