

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU091618\
 Data File : VU026775.D
 Acq On : 15 Sep 2018 14:04
 Operator : MD/SY
 Sample : VU0916WBL01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK58

Quant Time: Sep 17 05:18:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR091618WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Sep 17 05:13:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	131511	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	112918	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	47422	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	50205	5.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.20%
7) Chloroethane-d5	1.68	69	39844	5.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.20%
11) 1,1-Dichloroethene-d2	2.27	63	68856	3.77	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.40%
20) 2-Butanone-d5	4.22	46	110404	50.08	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.16%
24) Chloroform-d	4.65	84	80395	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
26) 1,2-Dichloroethane-d4	5.31	65	43744	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
32) Benzene-d6	5.34	84	168739	5.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.80%
36) 1,2-Dichloropropane-d6	6.34	67	53562	5.27	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	105.40%
41) Toluene-d8	7.57	98	142724	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.60%
43) trans-1,3-Dichloropropene-	7.85	79	17548	4.66	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.20%
46) 2-Hexanone-d5	8.33	63	79009	53.13	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	106.26%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	39598	4.99	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.80%
64) 1,2-Dichlorobenzene-d4	11.86	152	48836	5.55	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	719	0.069	ug/L #	18
12) 1,1-Dichloroethene	2.28	96	614	0.063	ug/L #	1
13) Acetone	2.35	43	1099	0.561	ug/L	50
35) Methylcyclohexane	6.34	83	12762	0.729	ug/L #	18
37) 1,2-Dichloropropane	6.33	63	5722	0.510	ug/L #	87
48) 2-Hexanone	8.38	43	2656	0.568	ug/L #	87
49) Dibromochloromethane	8.23	129	531	0.057	ug/L #	10
51) Chlorobenzene	9.12	112	1562	0.054	ug/L	96
59) 1,2,3-Trichloropropane	11.48	75	5977	0.906	ug/L	96
62) 1,3-Dichlorobenzene	11.42	146	1163	0.068	ug/L	91
63) 1,4-Dichlorobenzene	11.51	146	2622	0.135	ug/L	98
65) 1,2-Dichlorobenzene	11.88	146	1720	0.096	ug/L #	88
67) 1,3,5-Trichlorobenzene	12.89	180	945	0.066	ug/L #	88
68) 1,2,4-trichlorobenzene	13.51	180	1498	0.129	ug/L #	97
69) Naphthalene	13.75	128	1205	0.072	ug/L #	76
70) 1,2,3-Trichlorobenzene	14.00	180	992	0.089	ug/L	87

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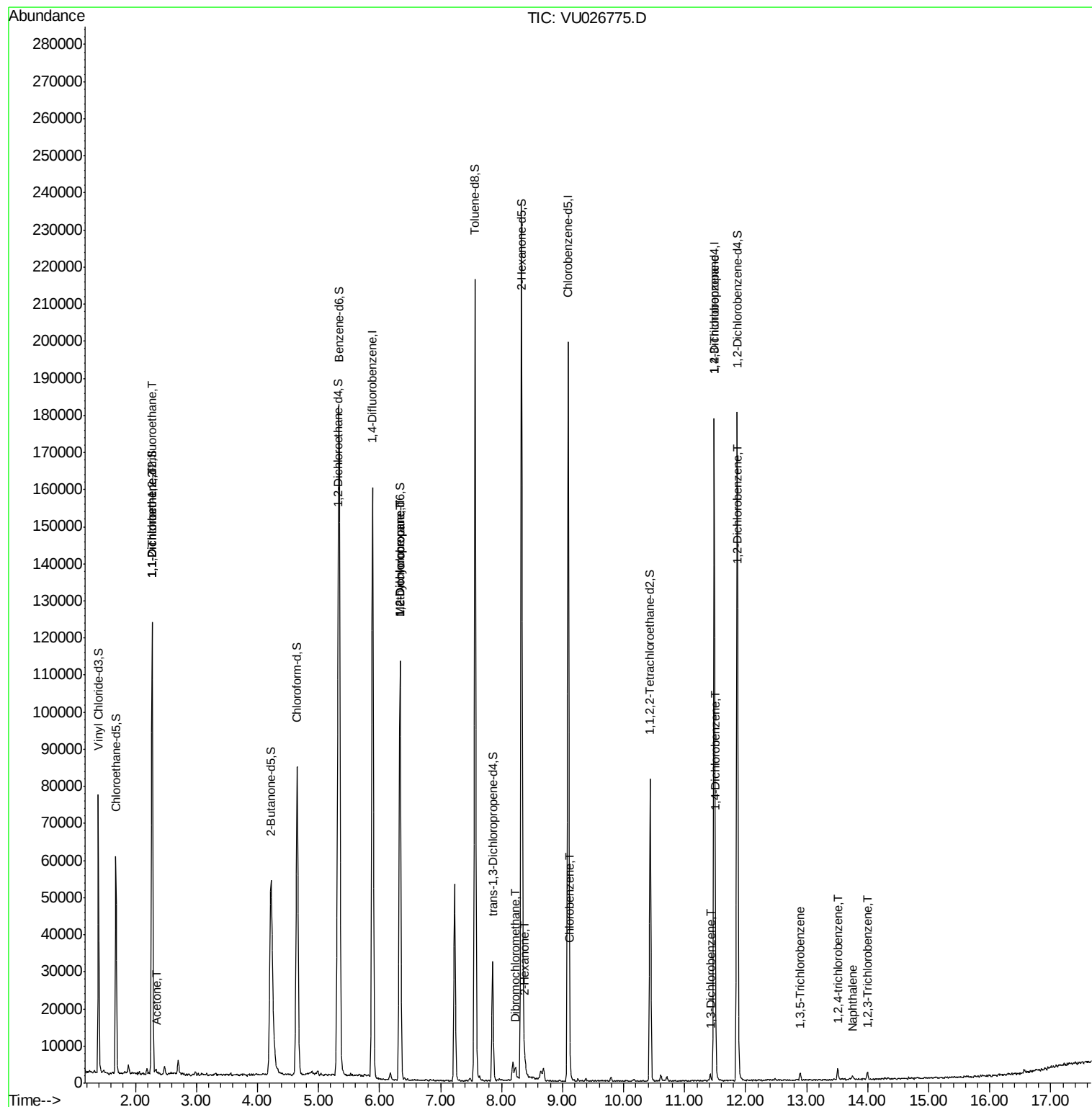
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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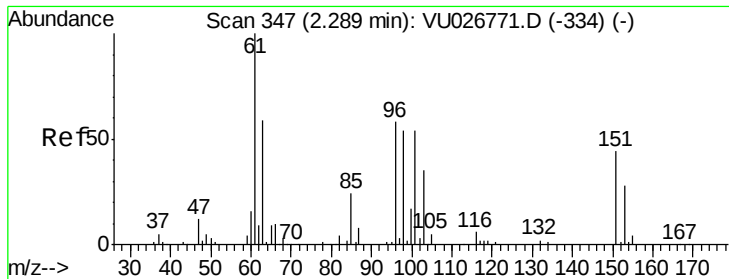
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_U\DATA\VU091618\
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Response via : Initial Calibration





#10

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

Concen: 0.069 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.02 min

Lab File: VU026775.D

Acq: 15 Sep 2018 14:04

Instrument :

MSVOA_U

ClientSampleId :

VBLK58

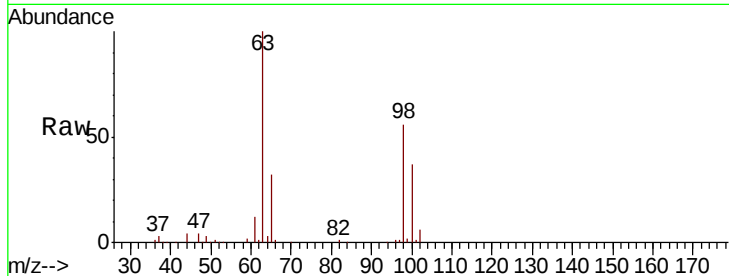
Tgt Ion: 101 Resp: 719

Ion Ratio Lower Upper

101 100

85 0.0 35.1 52.7#

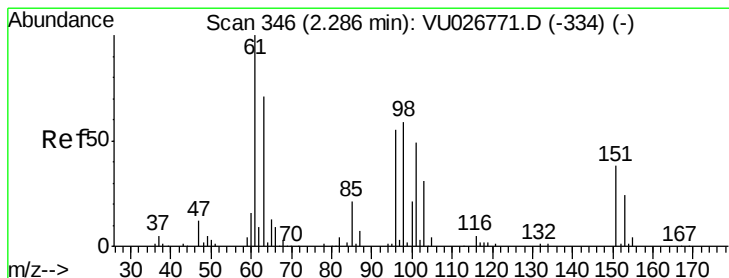
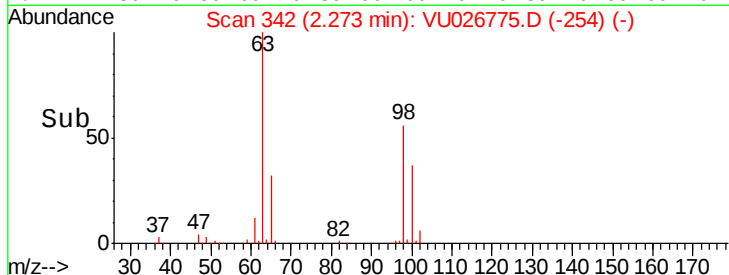
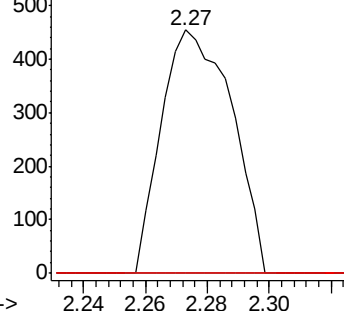
151 0.0 63.3 94.9#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.063 ug/L

RT: 2.28 min Scan# 344

Delta R.T. -0.01 min

Lab File: VU026775.D

Acq: 15 Sep 2018 14:04

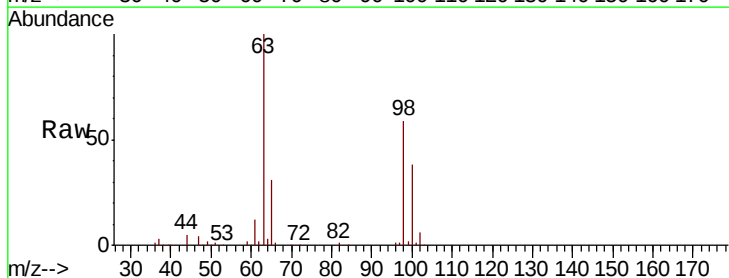
Tgt Ion: 96 Resp: 614

Ion Ratio Lower Upper

96 100

61 1178.8 126.6 235.2#

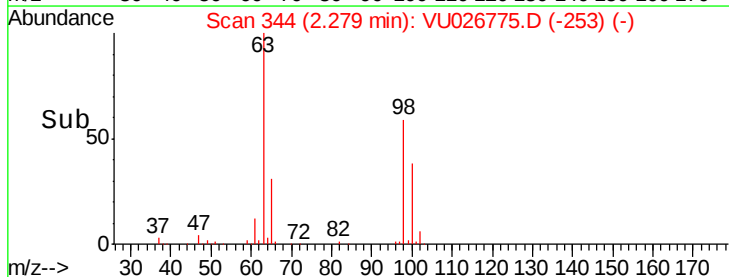
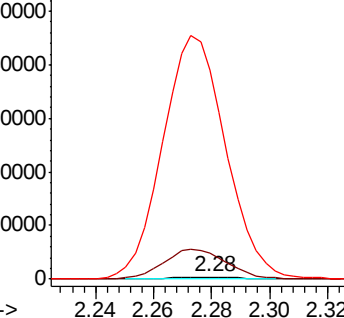
63 9627.6 91.3 169.5#

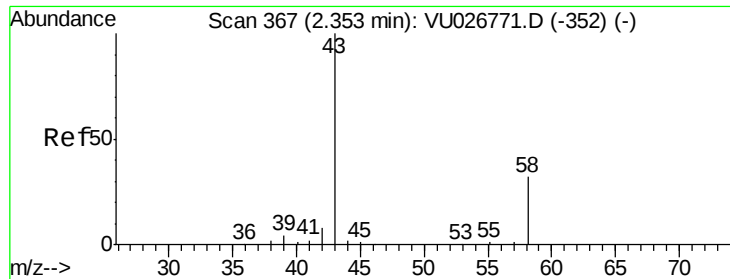


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.561 ug/L

RT: 2.35 min Scan# 366

Delta R.T. -0.00 min

Lab File: VU026775.D

Acq: 15 Sep 2018 14:04

Instrument :

MSVOA_U

ClientSampleId :

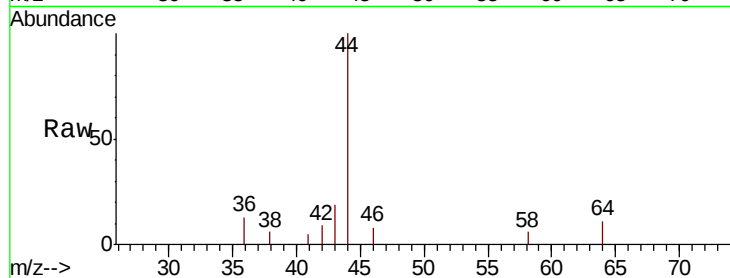
VBLK58

Tgt Ion: 43 Resp: 1099

Ion Ratio Lower Upper

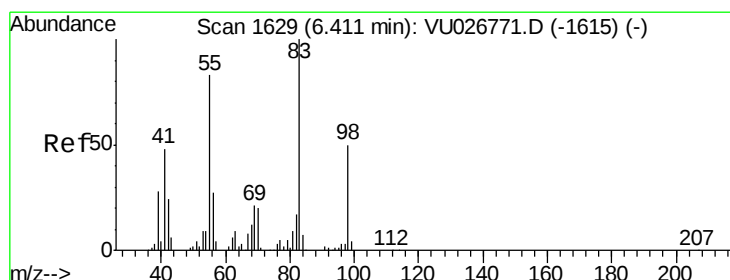
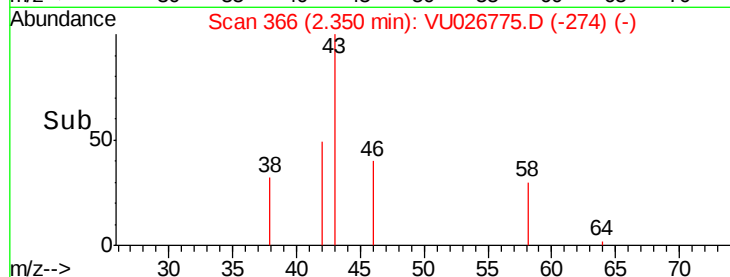
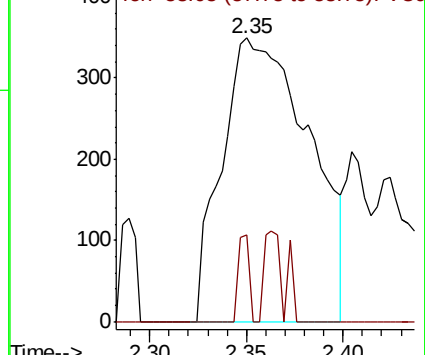
43 100

58 3.6 0.0 63.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0



#35

Methylcyclohexane

Concen: 0.729 ug/L

RT: 6.34 min Scan# 1606

Delta R.T. -0.07 min

Lab File: VU026775.D

Acq: 15 Sep 2018 14:04

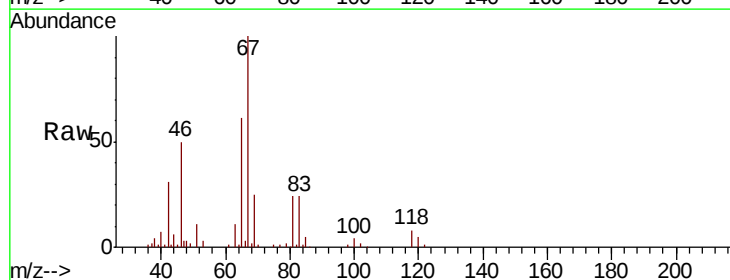
Tgt Ion: 83 Resp: 12762

Ion Ratio Lower Upper

83 100

55 1.8 64.9 97.3#

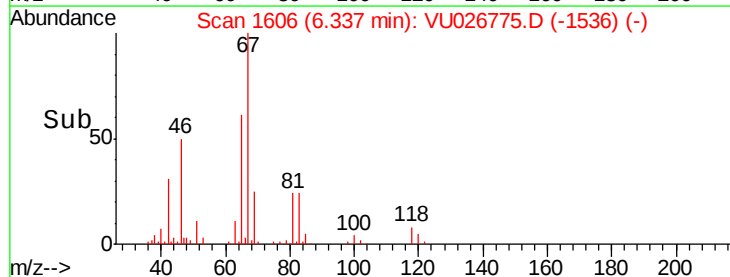
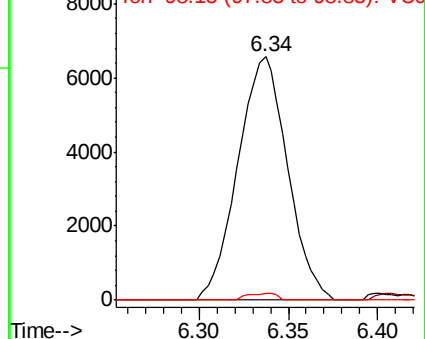
98 1.6 39.3 58.9#

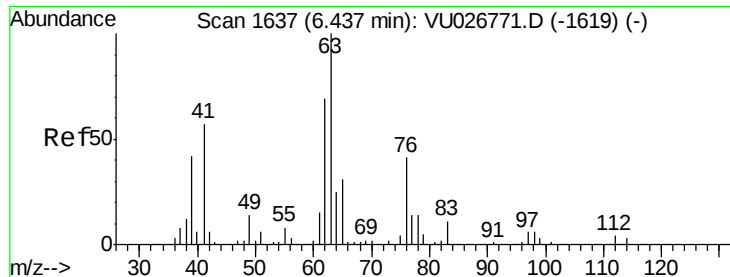


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.510 ug/L

RT: 6.33 min Scan# 1605

Delta R.T. -0.10 min

Lab File: VU026775.D

Acq: 15 Sep 2018 14:04

Instrument :

MSVOA_U

ClientSampleId :

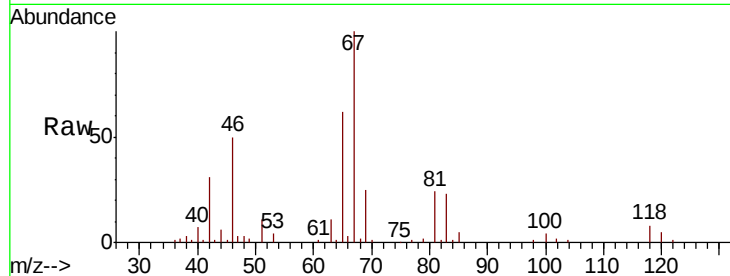
VBLK58

Tgt Ion: 63 Resp: 5722

Ion Ratio Lower Upper

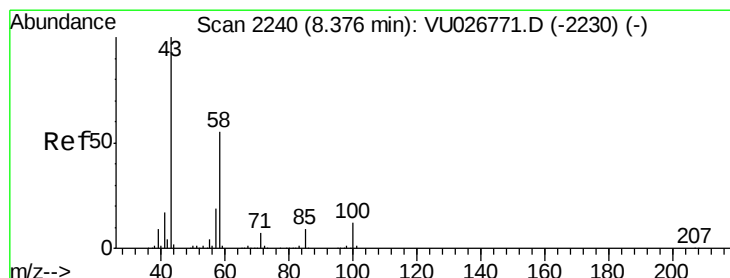
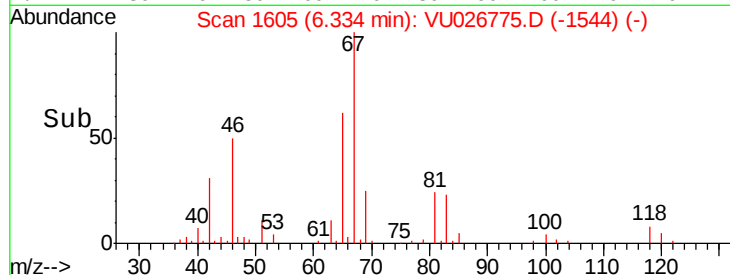
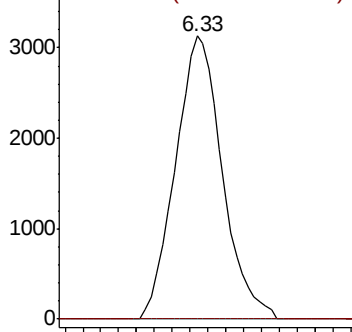
63 100

112 0.0 3.4 5.2#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V



#48

2-Hexanone

Concen: 0.568 ug/L

RT: 8.38 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VU026775.D

Acq: 15 Sep 2018 14:04

Tgt Ion: 43 Resp: 2656

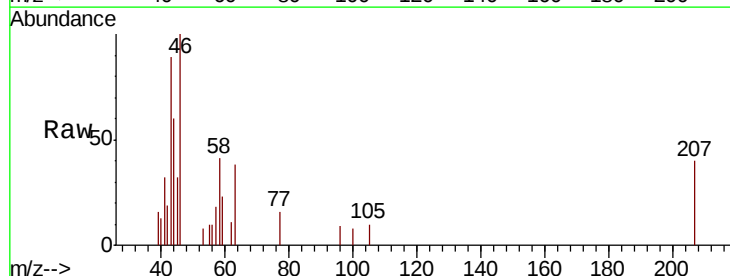
Ion Ratio Lower Upper

43 100

58 45.0 43.7 65.5

57 15.5 15.2 22.8

100 6.3 10.1 15.1#

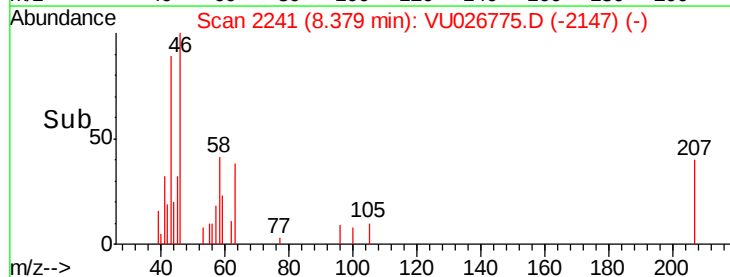
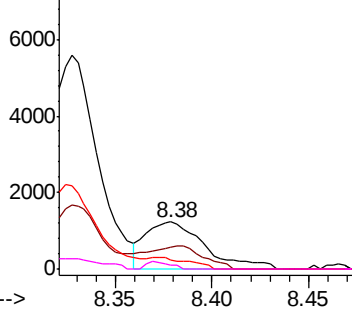


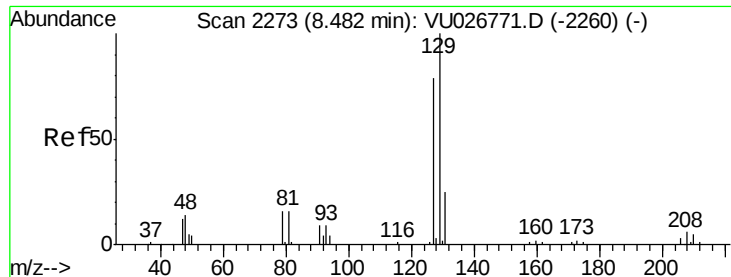
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0

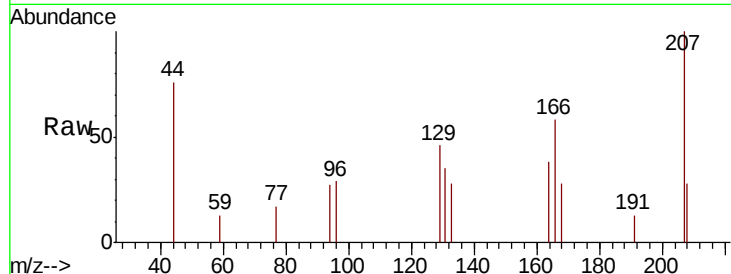




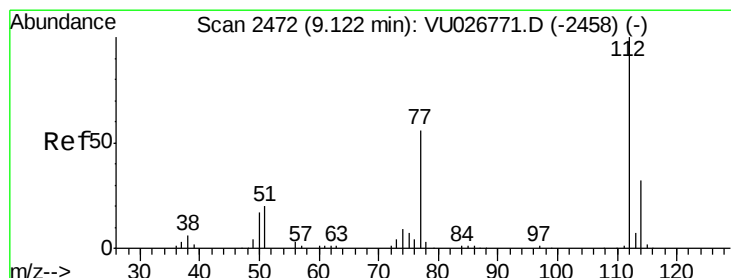
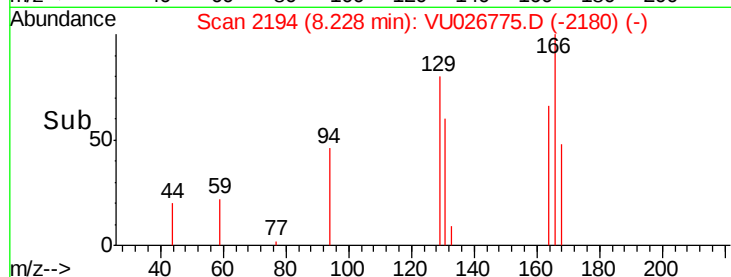
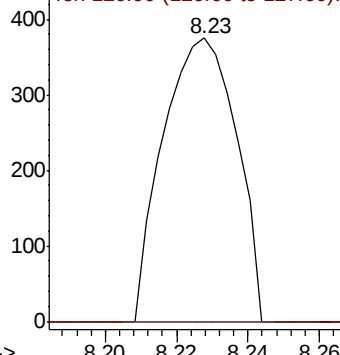
#49
Dibromochloromethane
Concen: 0.057 ug/L
RT: 8.23 min Scan# 2194
Delta R.T. -0.25 min
Lab File: VU026775.D
Acq: 15 Sep 2018 14:04

Instrument :
MSVOA_U
ClientSampleId :
VBLK58

Tgt Ion:129 Resp: 531
Ion Ratio Lower Upper
129 100
127 0.0 55.4 103.0#

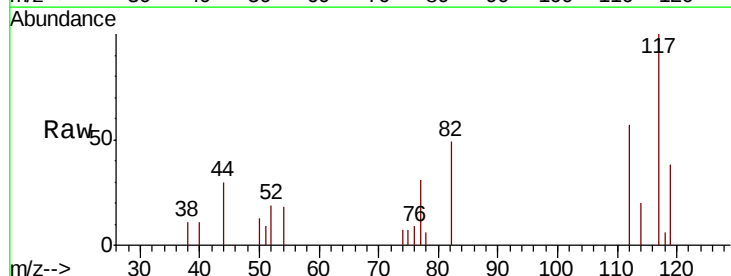


Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

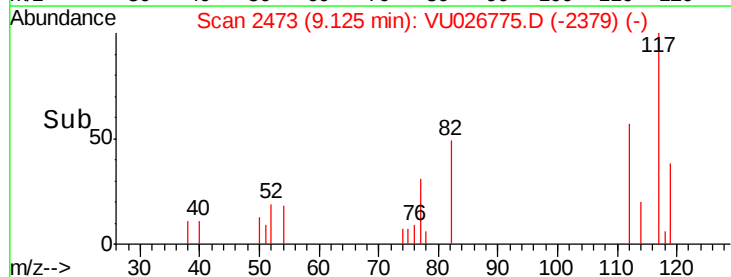
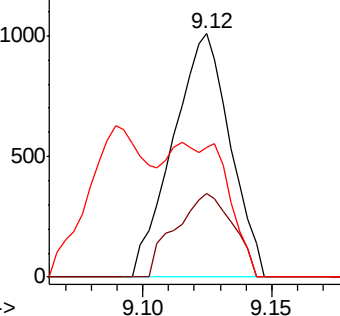


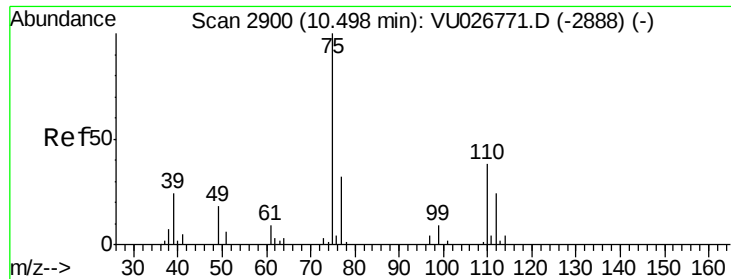
#51
Chlorobenzene
Concen: 0.054 ug/L
RT: 9.12 min Scan# 2473
Delta R.T. 0.00 min
Lab File: VU026775.D
Acq: 15 Sep 2018 14:04

Tgt Ion:112 Resp: 1562
Ion Ratio Lower Upper
112 100
114 34.2 22.6 42.0
77 53.5 45.1 67.7



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VU





#59

1,2,3-Trichloropropane

Concen: 0.906 ug/L

RT: 11.48 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU026775.D

Acq: 15 Sep 2018 14:04

Instrument :

MSVOA_U

ClientSampled :

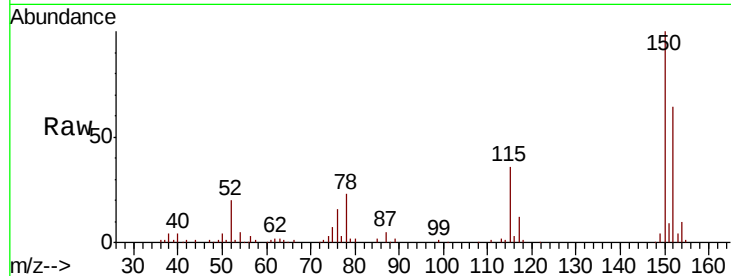
VBLK58

Tgt Ion: 75 Resp: 5977

Ion Ratio Lower Upper

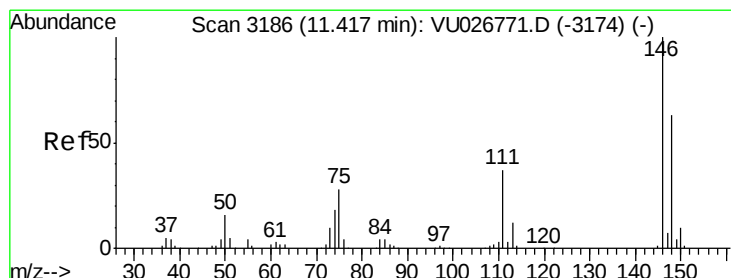
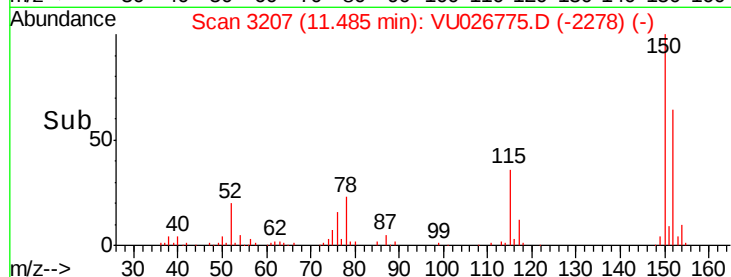
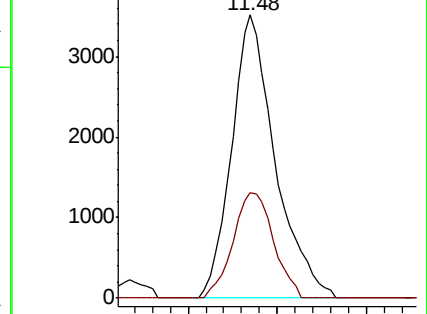
75 100

77 34.6 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VU026775.D (-2278) (-)

Ion 77.00 (76.70 to 77.70): VU026775.D (-2278) (-)



#62

1,3-Dichlorobenzene

Concen: 0.068 ug/L

RT: 11.42 min Scan# 3187

Delta R.T. 0.00 min

Lab File: VU026775.D

Acq: 15 Sep 2018 14:04

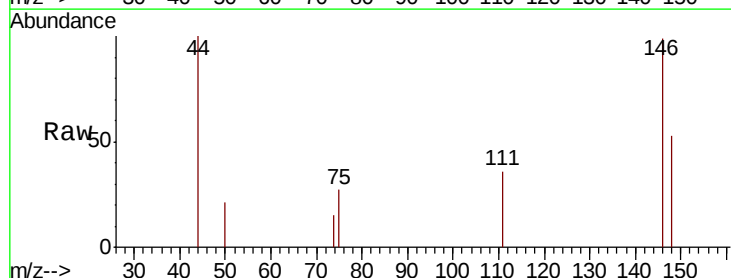
Tgt Ion: 146 Resp: 1163

Ion Ratio Lower Upper

146 100

111 36.7 26.2 48.6

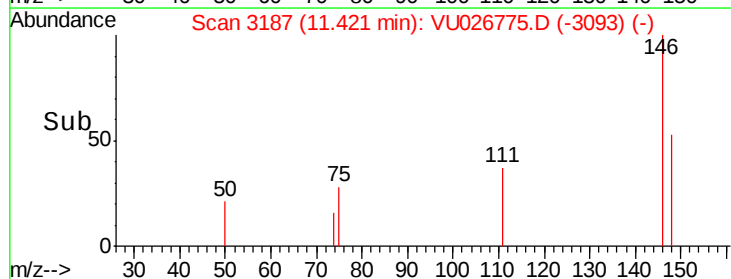
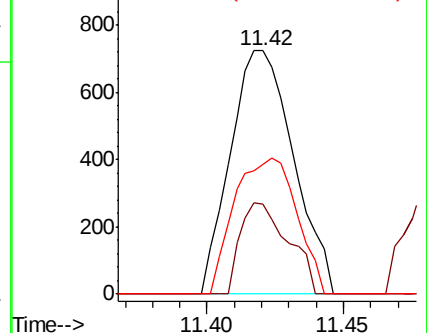
148 53.2 44.4 82.4

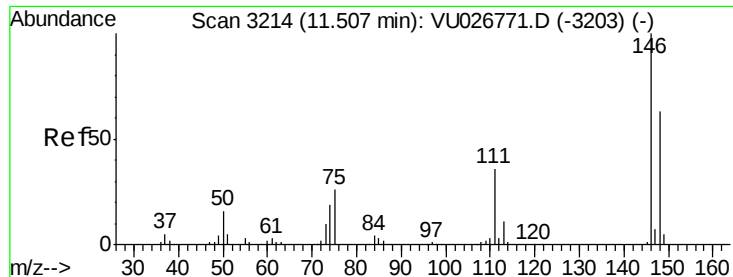


Abundance Ion 145.95 (145.65 to 146.65): VU026775.D (-3093) (-)

Ion 111.00 (110.70 to 111.70): VU026775.D (-3093) (-)

Ion 148.00 (147.70 to 148.70): VU026775.D (-3093) (-)





#63

1,4-Dichlorobenzene

Concen: 0.135 ug/L

RT: 11.51 min Scan# 3215

Delta R.T. 0.00 min

Lab File: VU026775.D

Acq: 15 Sep 2018 14:04

Instrument :

MSVOA_U

ClientSampleId :

VBLK58

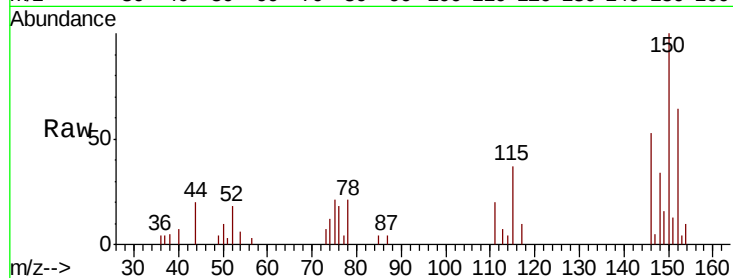
Tgt Ion:146 Resp: 2622

Ion Ratio Lower Upper

146 100

111 38.5 25.3 46.9

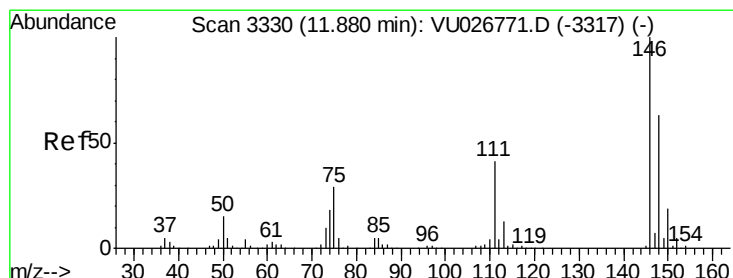
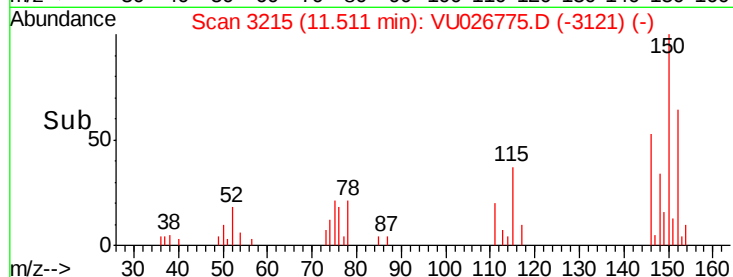
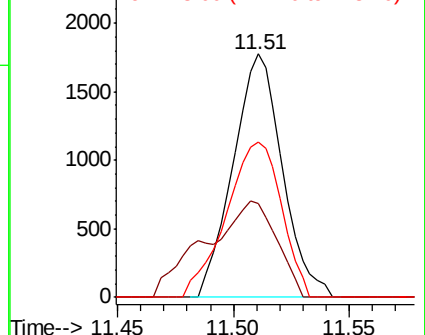
148 63.8 44.5 82.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#65

1,2-Dichlorobenzene

Concen: 0.096 ug/L

RT: 11.88 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VU026775.D

Acq: 15 Sep 2018 14:04

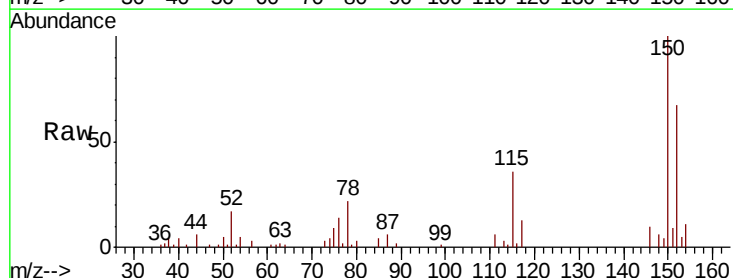
Tgt Ion:146 Resp: 1720

Ion Ratio Lower Upper

146 100

111 55.7 32.5 48.7#

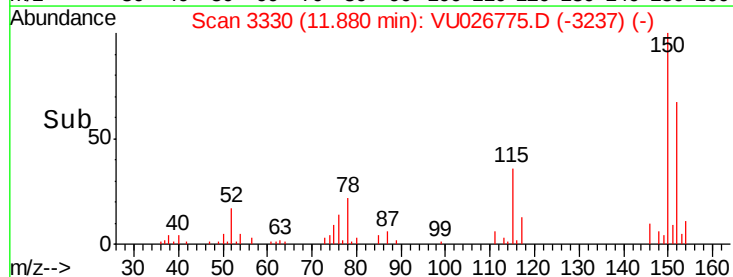
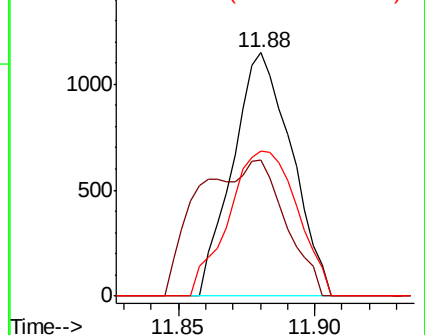
148 59.3 50.5 75.7

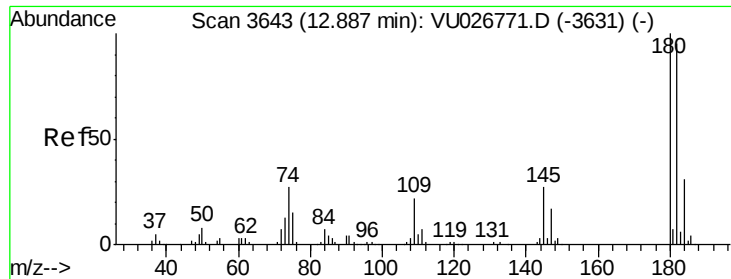


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

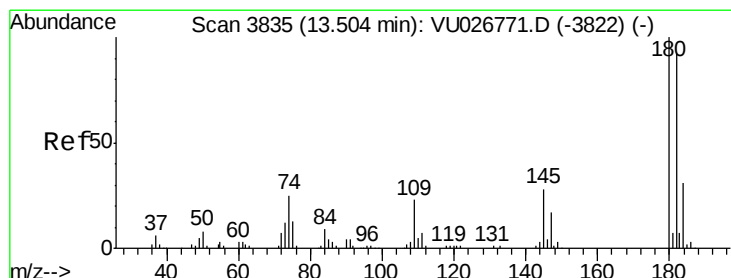
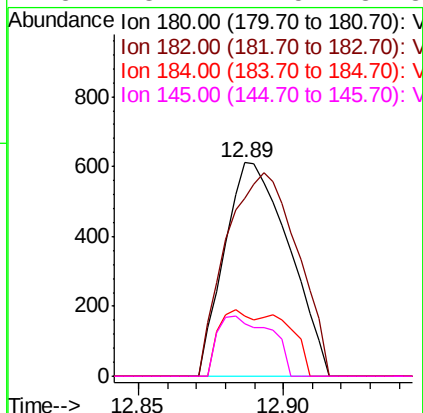
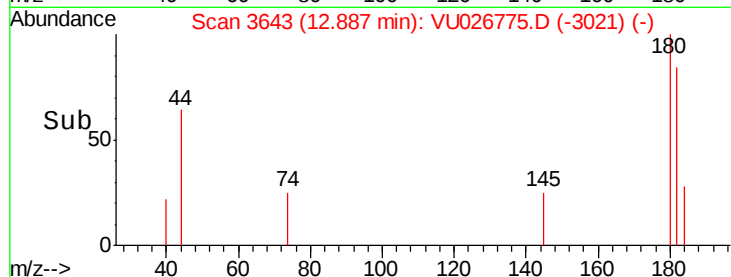
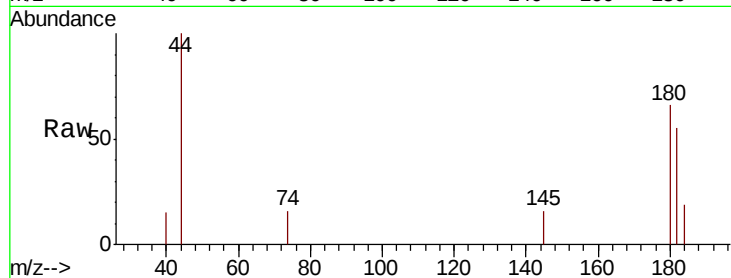




#67
 1,3,5-Trichlorobenzene
 Concen: 0.066 ug/L
 RT: 12.89 min Scan# 3643
 Delta R.T. 0.00 min
 Lab File: VU026775.D
 Acq: 15 Sep 2018 14:04

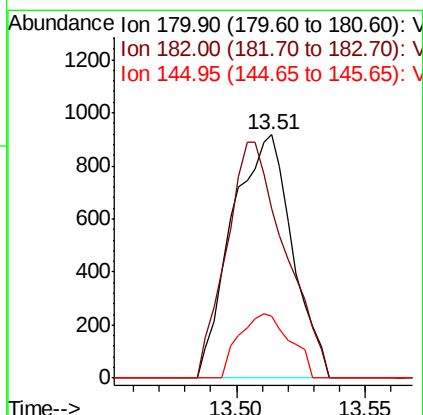
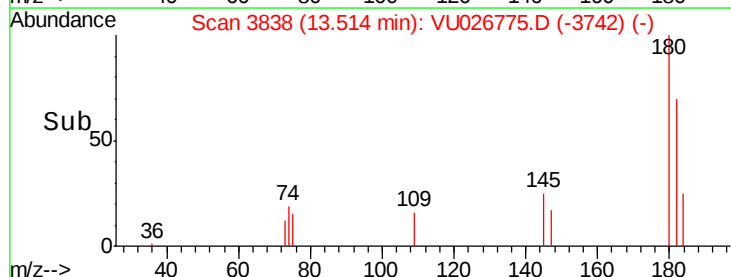
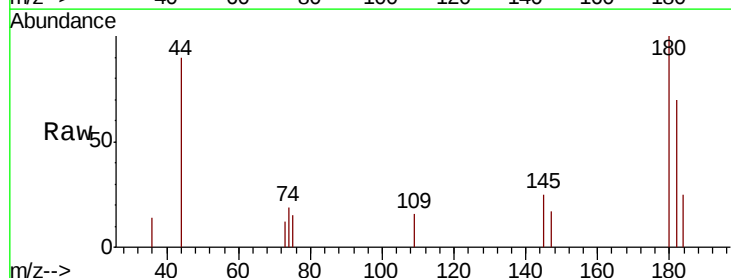
Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK58

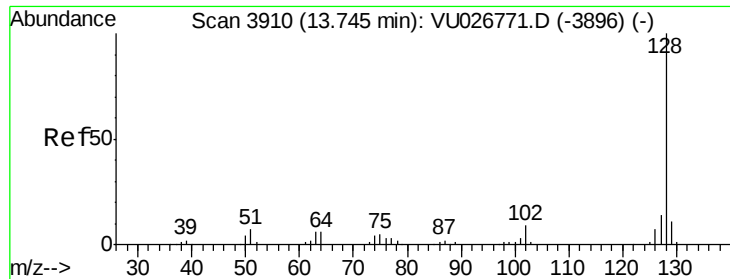
Tgt Ion:180 Resp: 945
 Ion Ratio Lower Upper
 180 100
 182 105.0 76.8 115.2
 184 16.9 24.6 36.8#
 145 23.2 21.5 32.3



#68
 1,2,4-trichlorobenzene
 Concen: 0.129 ug/L
 RT: 13.51 min Scan# 3838
 Delta R.T. 0.01 min
 Lab File: VU026775.D
 Acq: 15 Sep 2018 14:04

Tgt Ion:180 Resp: 1498
 Ion Ratio Lower Upper
 180 100
 182 93.7 74.7 112.1
 145 22.2 22.3 33.5#





#69

Naphthalene

Concen: 0.072 ug/L

RT: 13.75 min Scan# 3910

Delta R.T. 0.00 min

Lab File: VU026775.D

Acq: 15 Sep 2018 14:04

Instrument :

MSVOA_U

ClientSampleId :

VBLK58

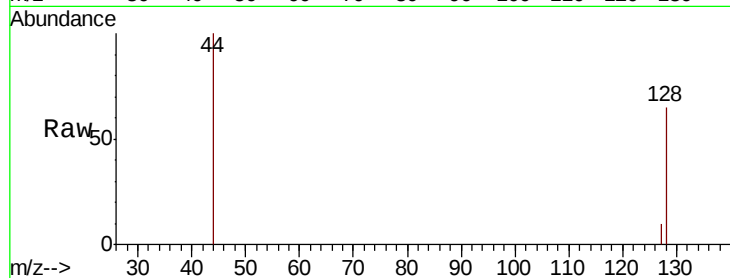
Tgt Ion:128 Resp: 1205

Ion Ratio Lower Upper

128 100

129 0.0 8.6 12.8#

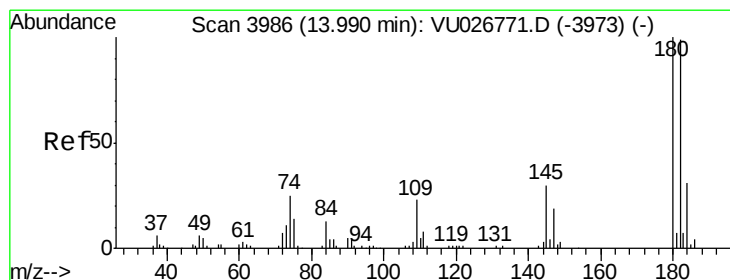
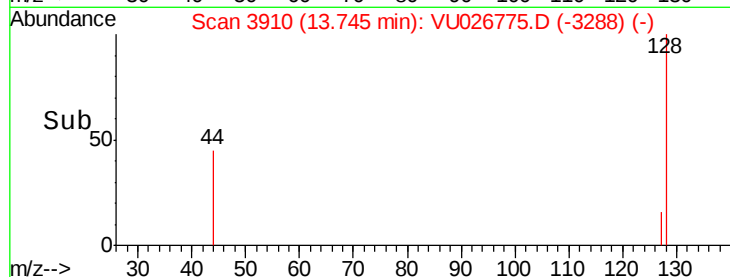
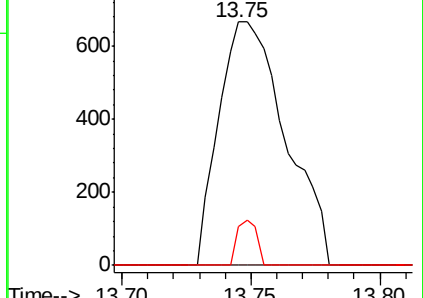
127 5.4 10.8 16.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.089 ug/L

RT: 14.00 min Scan# 3988

Delta R.T. 0.01 min

Lab File: VU026775.D

Acq: 15 Sep 2018 14:04

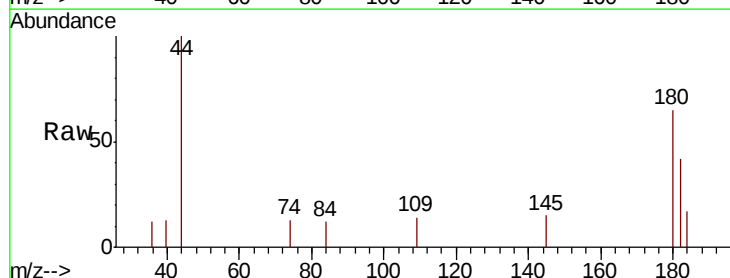
Tgt Ion:180 Resp: 992

Ion Ratio Lower Upper

180 100

182 83.2 77.0 115.6

145 23.7 23.4 35.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

