

Data File : VU026824.D
Acq On : 17 Sep 2018 15:02
Operator : MD/SY
Sample : VIBLK40
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VIBLK40

Quant Time: Sep 18 01:00:30 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM091718WMA.M
Quant Title : VOC Analysis
QLast Update : Tue Sep 18 00:50:30 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	283110	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	267946	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	116871	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	81615	38.97	ug/L	0.00
7) Chloroethane-d5	1.68	69	70903	39.55	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.27	63	116289	29.35	ug/L	0.00
21) 2-Butanone-d5	4.18	46	106766	76.82	ug/L	0.00
24) Chloroform-d	4.65	84	147248	37.90	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.31	65	95099	38.88	ug/L	0.00
32) Benzene-d6	5.34	84	303730	40.45	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.33	67	97343	40.23	ug/L	0.00
41) Toluene-d8	7.57	98	262083	38.63	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.85	79	42104	38.98	ug/L	0.00
47) 2-Hexanone-d5	8.31	63	72945	76.71	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.43	84	126080	37.37	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.86	152	102979	42.36	ug/L	0.00

Target Compounds

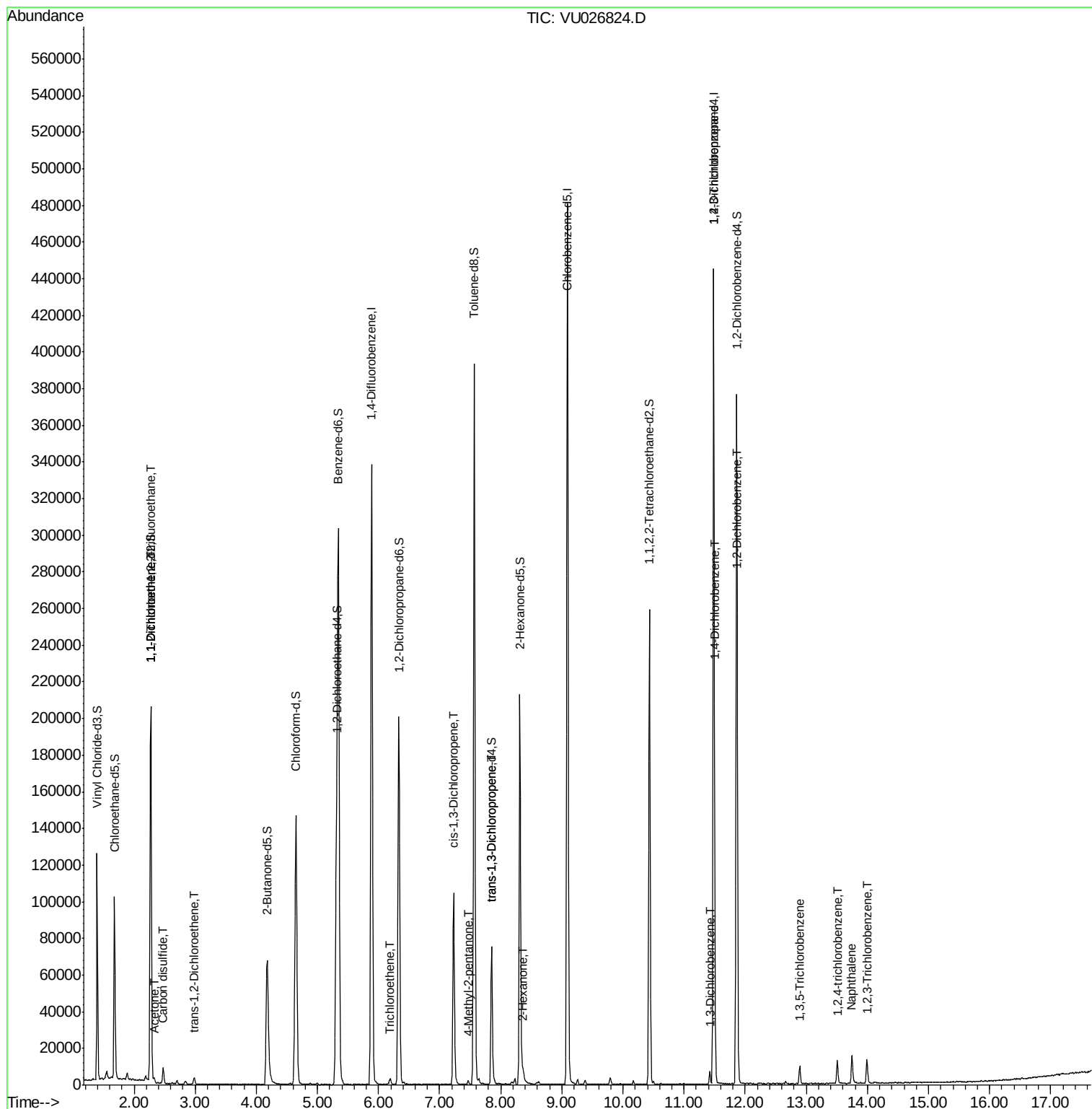
						Qvalue
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1366	0.699	ug/L #	30
12) 1,1-Dichloroethene	2.27	96	1634	0.890	ug/L #	1
13) Acetone	2.32	43	1062	0.777	ug/L	83
14) Carbon disulfide	2.48	76	10562	1.667	ug/L	98
17) trans-1,2-Dichloroethene	2.98	96	1679	0.830	ug/L #	86
34) Trichloroethene	6.19	95	1109	0.556	ug/L	88
39) cis-1,3-Dichloropropene	7.23	75	2497	0.775	ug/L #	62
40) 4-Methyl-2-pentanone	7.47	43	1596	0.589	ug/L #	82
44) trans-1,3-Dichloropropene	7.85	75	1896	0.628	ug/L	89
48) 2-Hexanone	8.37	43	3590	1.641	ug/L #	84
59) 1,2,3-Trichloropropane	11.48	75	14256	5.215	ug/L	98
62) 1,3-Dichlorobenzene	11.42	146	3337	0.937	ug/L	98
63) 1,4-Dichlorobenzene	11.51	146	5057	1.289	ug/L	95
65) 1,2-Dichlorobenzene	11.88	146	3713	0.941	ug/L #	92
67) 1,3,5-Trichlorobenzene	12.89	180	3800	1.378	ug/L	97
68) 1,2,4-trichlorobenzene	13.50	180	4856	2.044	ug/L	98
69) Naphthalene	13.75	128	15021	2.146	ug/L	98
70) 1,2,3-Trichlorobenzene	13.99	180	5467	2.090	ug/L	98

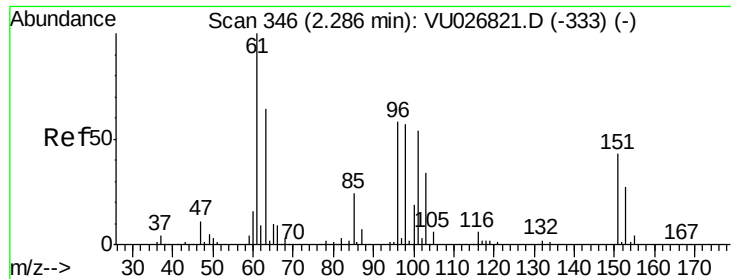
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
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Response via : Initial Calibration





#10

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

Concen: 0.699 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU026824.D

Acq: 17 Sep 2018 15:02

Instrument :

MSVOA_U

ClientSampleId :

VIBLK40

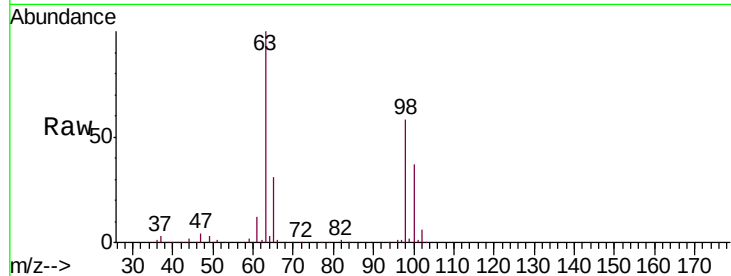
Tgt Ion: 101 Resp: 1366

Ion Ratio Lower Upper

101 100

85 0.0 34.6 52.0#

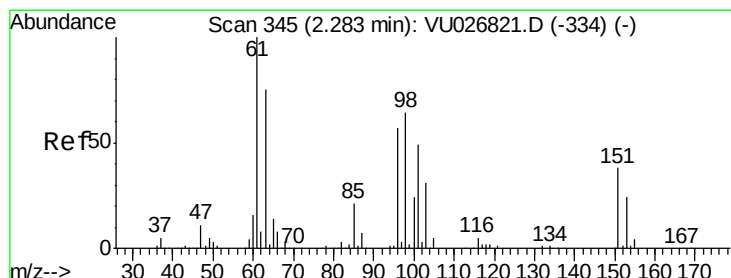
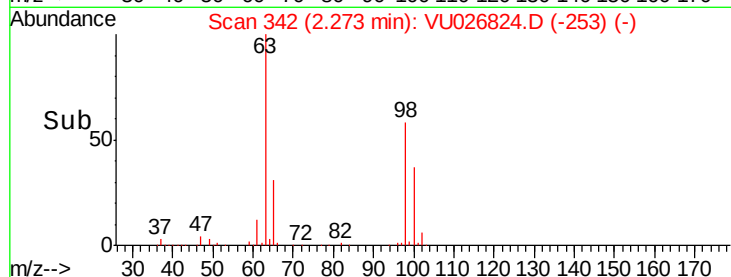
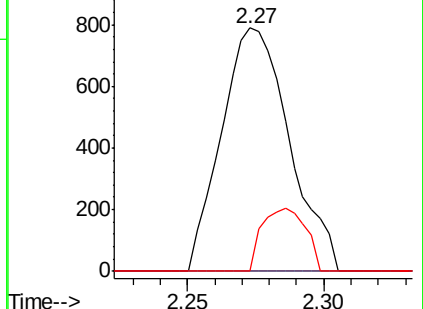
151 16.6 63.0 94.4#



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: 0.890 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU026824.D

Acq: 17 Sep 2018 15:02

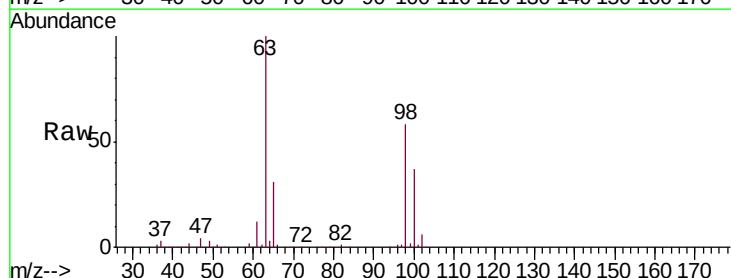
Tgt Ion: 96 Resp: 1634

Ion Ratio Lower Upper

96 100

61 1071.4 124.0 230.4#

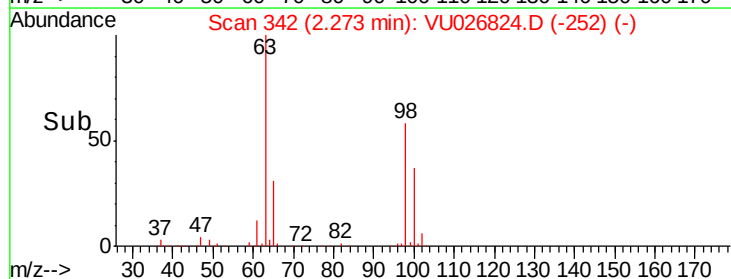
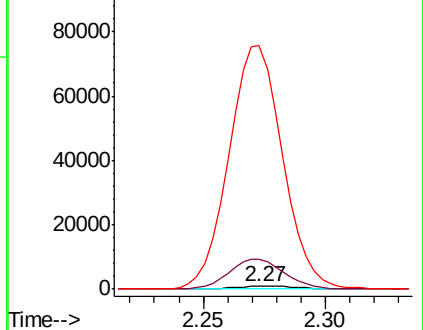
63 8600.9 97.7 181.5#

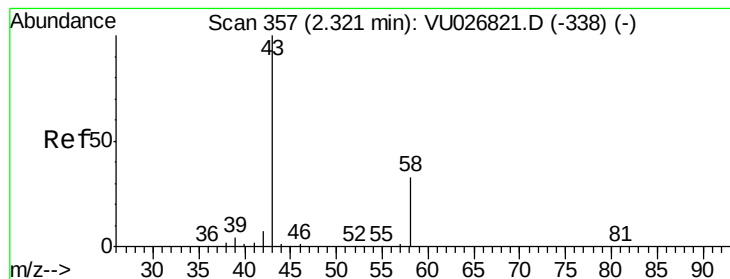


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 0.777 ug/L

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU026824.D

Acq: 17 Sep 2018 15:02

Instrument :

MSVOA_U

ClientSampleId :

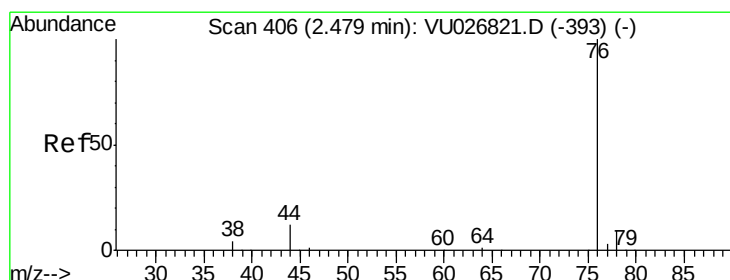
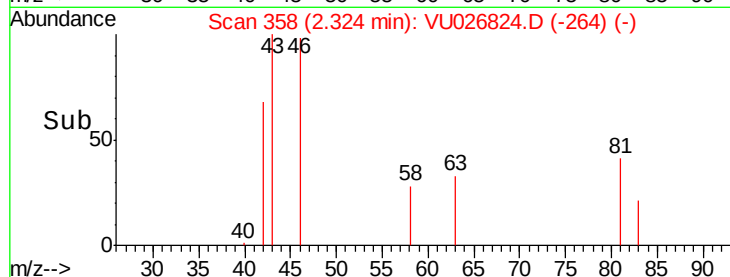
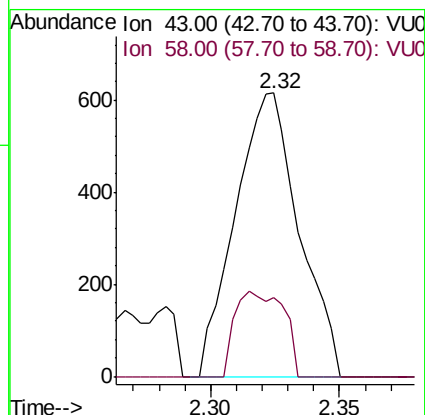
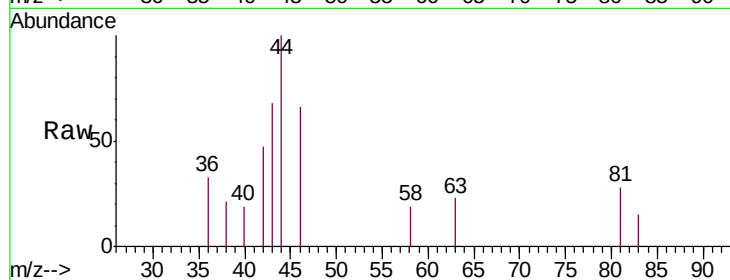
VIBLK40

Tgt Ion: 43 Resp: 1062

Ion Ratio Lower Upper

43 100

58 22.9 0.0 64.6



#14

Carbon disulfide

Concen: 1.667 ug/L

RT: 2.48 min Scan# 405

Delta R.T. -0.00 min

Lab File: VU026824.D

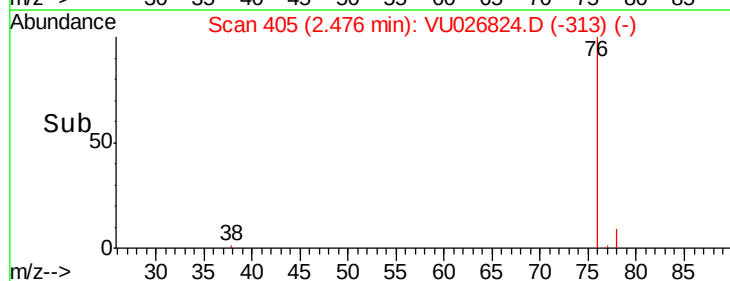
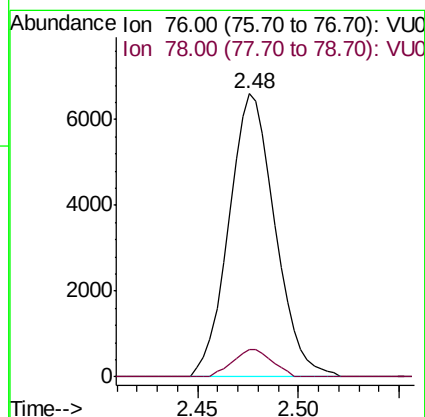
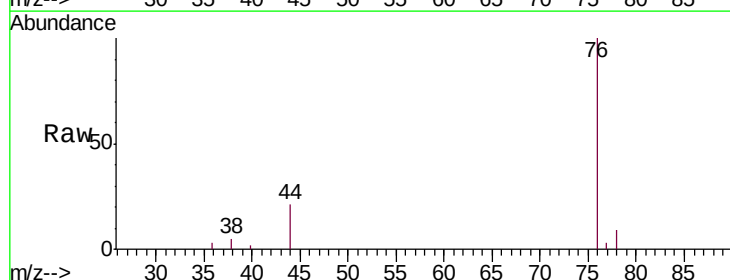
Acq: 17 Sep 2018 15:02

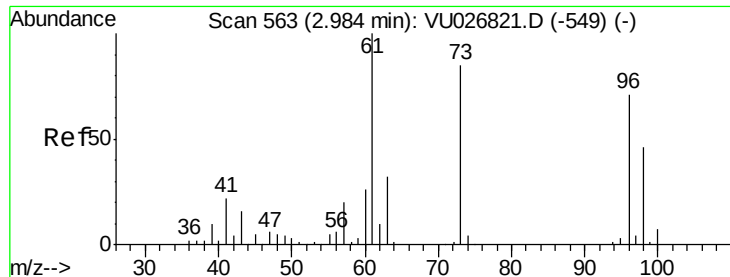
Tgt Ion: 76 Resp: 10562

Ion Ratio Lower Upper

76 100

78 9.5 7.1 10.7





#17

trans-1,2-Dichloroethene

Concen: 0.830 ug/L

RT: 2.98 min Scan# 563

Delta R.T. -0.00 min

Lab File: VU026824.D

Acq: 17 Sep 2018 15:02

Instrument :

MSVOA_U

ClientSampleId :

VIBLK40

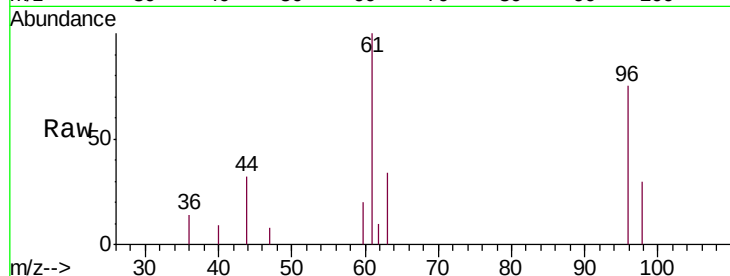
Tgt Ion: 96 Resp: 1679

Ion Ratio Lower Upper

96 100

61 133.2 98.7 183.3

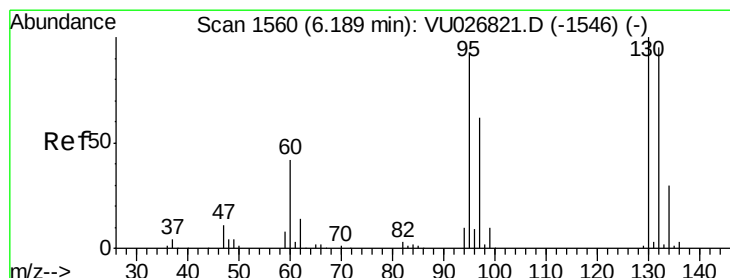
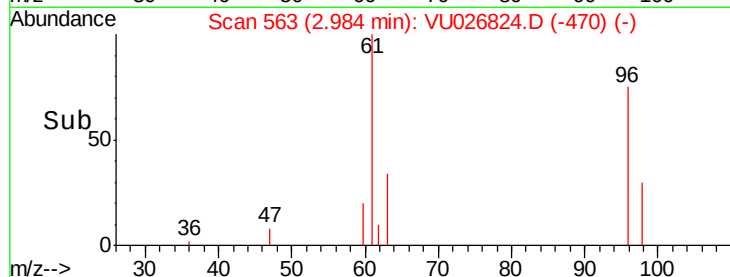
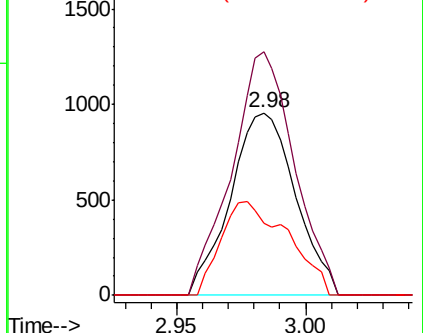
98 39.5 45.2 84.0#



Abundance Ion 96.00 (95.70 to 96.70): VU026824.D (-470) (-)

Ion 61.00 (60.70 to 61.70): VU026824.D (-470) (-)

Ion 98.00 (97.70 to 98.70): VU026824.D (-470) (-)



#34

Trichloroethene

Concen: 0.556 ug/L

RT: 6.19 min Scan# 1561

Delta R.T. 0.00 min

Lab File: VU026824.D

Acq: 17 Sep 2018 15:02

Tgt Ion: 95 Resp: 1109

Ion Ratio Lower Upper

95 100

97 76.2 46.3 85.9

132 88.9 71.7 133.1

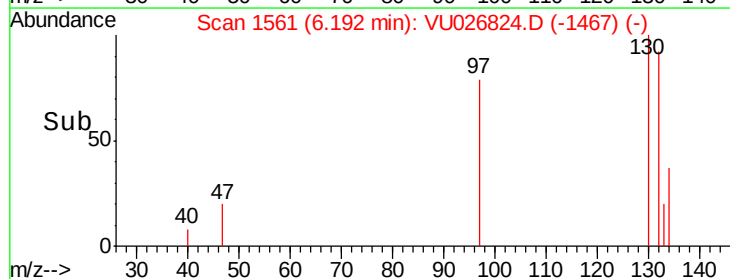
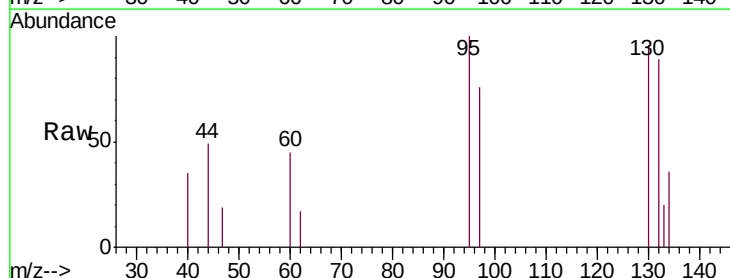
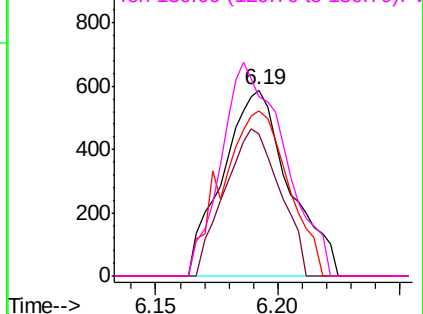
130 96.3 75.3 139.8

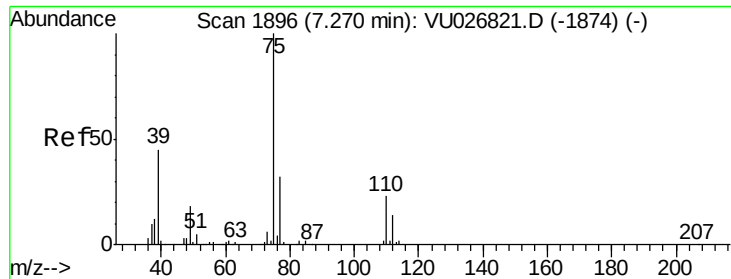
Abundance Ion 95.00 (94.70 to 95.70): VU026824.D (-1467) (-)

Ion 97.00 (96.70 to 97.70): VU026824.D (-1467) (-)

Ion 132.00 (131.70 to 132.70): VU026824.D (-1467) (-)

Ion 130.00 (129.70 to 130.70): VU026824.D (-1467) (-)

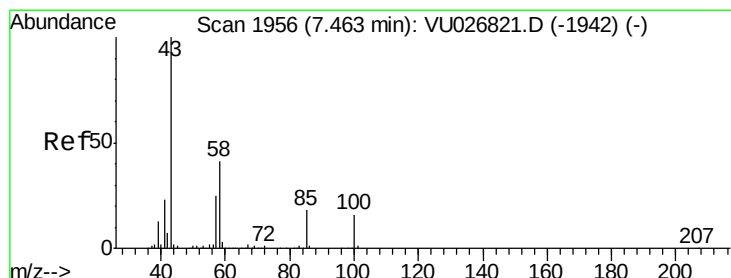
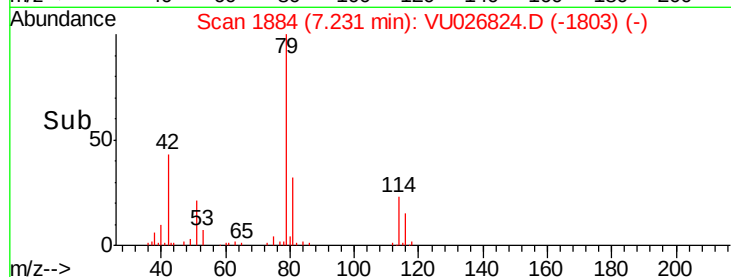
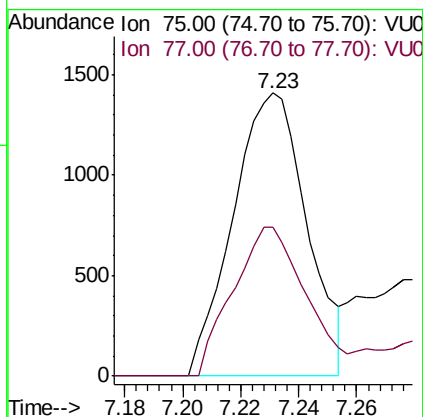
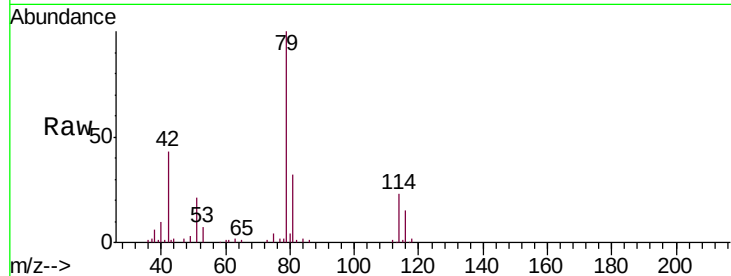




#39
 cis-1,3-Dichloropropene
 Concen: 0.775 ug/L
 RT: 7.23 min Scan# 1884
 Delta R.T. -0.04 min
 Lab File: VU026824.D
 Acq: 17 Sep 2018 15:02

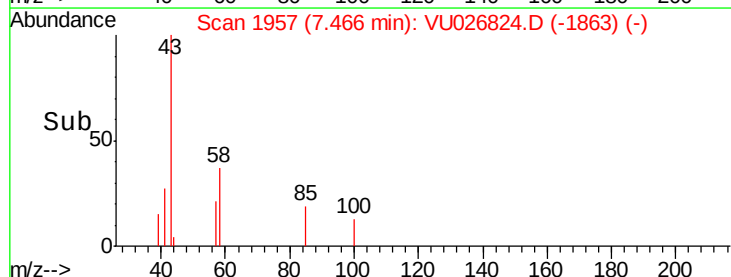
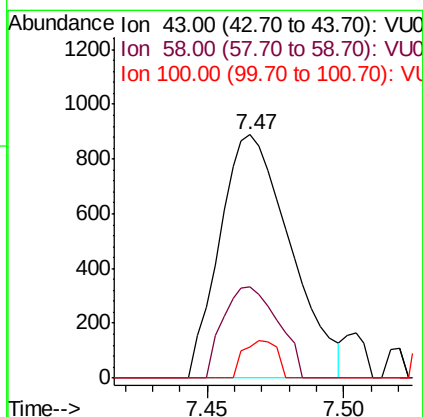
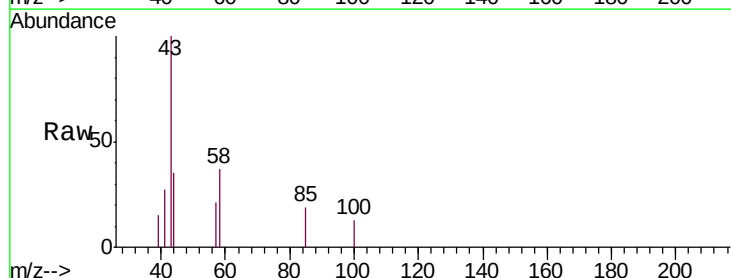
Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK40

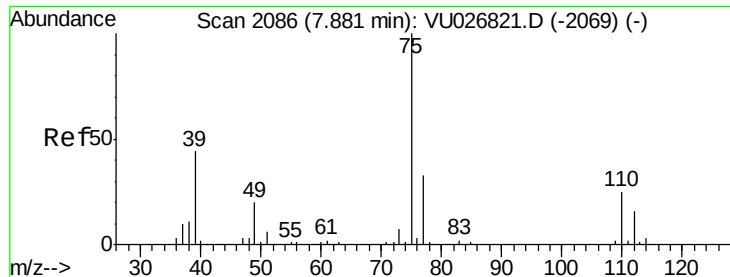
Tgt Ion: 75 Resp: 2497
 Ion Ratio Lower Upper
 75 100
 77 52.5 22.1 41.1#



#40
 4-Methyl-2-pentanone
 Concen: 0.589 ug/L
 RT: 7.47 min Scan# 1957
 Delta R.T. 0.00 min
 Lab File: VU026824.D
 Acq: 17 Sep 2018 15:02

Tgt Ion: 43 Resp: 1596
 Ion Ratio Lower Upper
 43 100
 58 29.1 32.0 48.0#
 100 7.1 12.6 19.0#





#44

trans-1,3-Dichloropropene

Concen: 0.628 ug/L

RT: 7.85 min Scan# 2077

Delta R.T. -0.03 min

Lab File: VU026824.D

Acq: 17 Sep 2018 15:02

Instrument :

MSVOA_U

ClientSampleId :

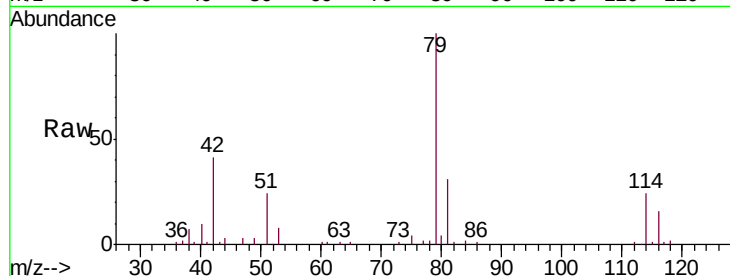
VIBLK40

Tgt Ion: 75 Resp: 1896

Ion Ratio Lower Upper

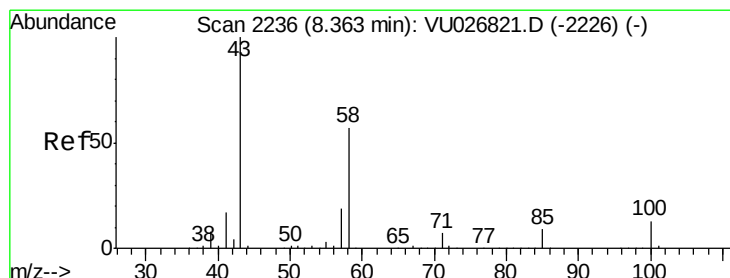
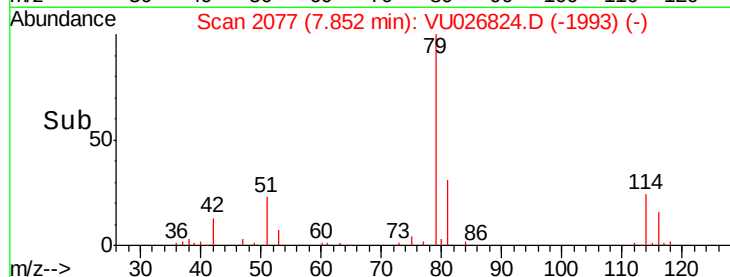
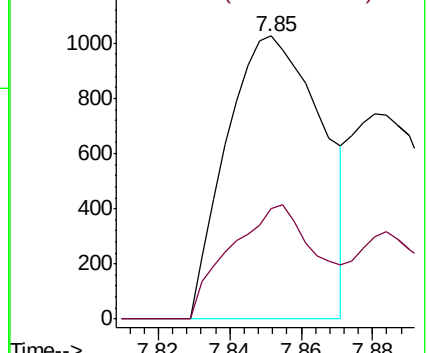
75 100

77 39.0 22.8 42.4



Abundance Ion 75.00 (74.70 to 75.70): VU026821.D (-2069) (-)

Ion 77.00 (76.70 to 77.70): VU026821.D (-2069) (-)



#48

2-Hexanone

Concen: 1.641 ug/L

RT: 8.37 min Scan# 2237

Delta R.T. 0.00 min

Lab File: VU026824.D

Acq: 17 Sep 2018 15:02

Tgt Ion: 43 Resp: 3590

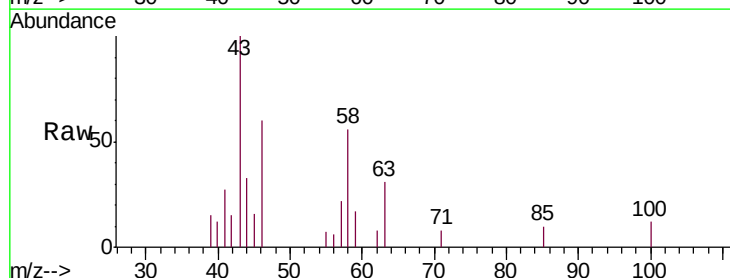
Ion Ratio Lower Upper

43 100

58 45.2 44.9 67.3

57 8.4 15.4 23.2#

100 9.1 10.2 15.4#

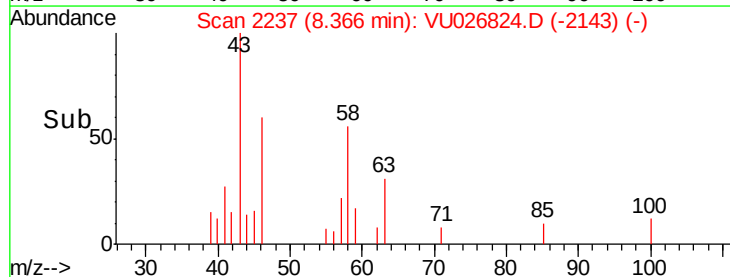
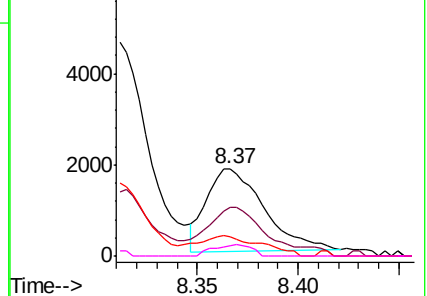


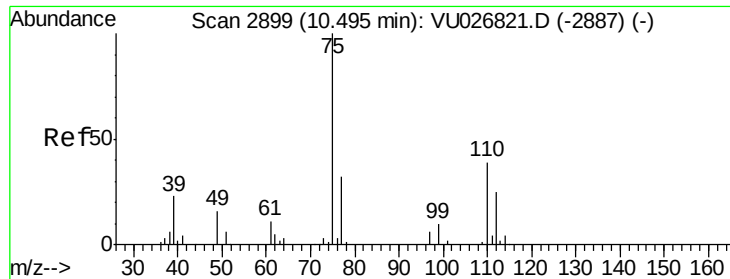
Abundance Ion 43.00 (42.70 to 43.70): VU026821.D (-2226) (-)

Ion 58.00 (57.70 to 58.70): VU026821.D (-2226) (-)

Ion 57.00 (56.70 to 57.70): VU026821.D (-2226) (-)

Ion 100.00 (99.70 to 100.70): VU026821.D (-2226) (-)

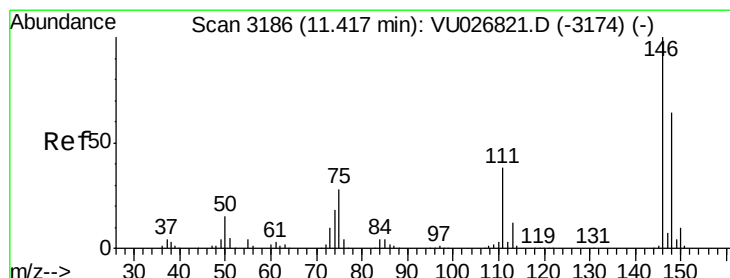
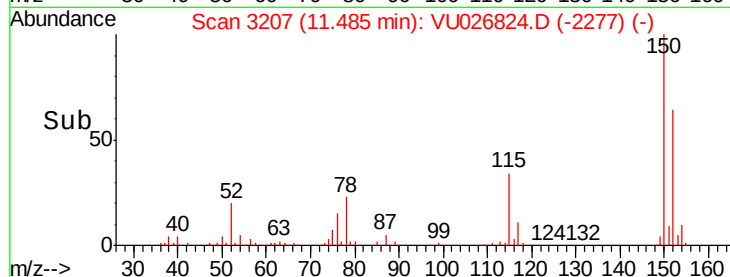
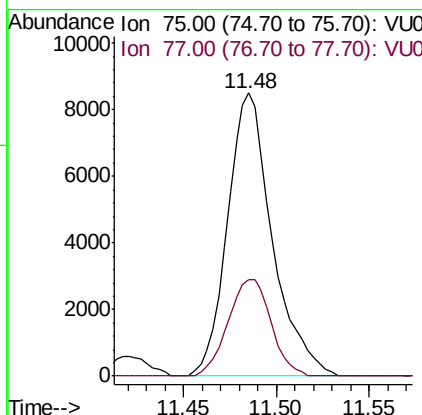
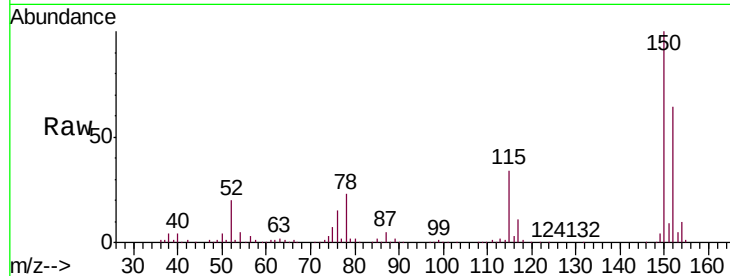




#59
 1,2,3-Trichloropropane
 Concen: 5.215 ug/L
 RT: 11.48 min Scan# 3207
 Delta R.T. 0.99 min
 Lab File: VU026824.D
 Acq: 17 Sep 2018 15:02

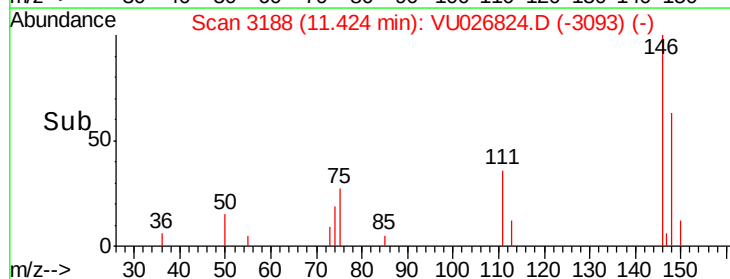
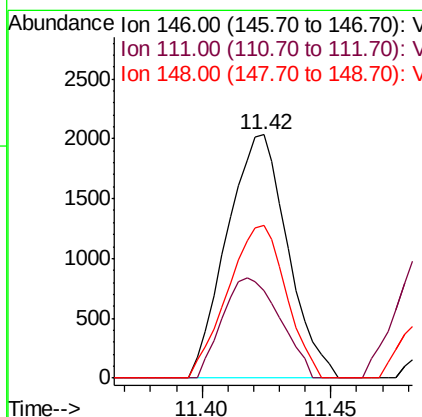
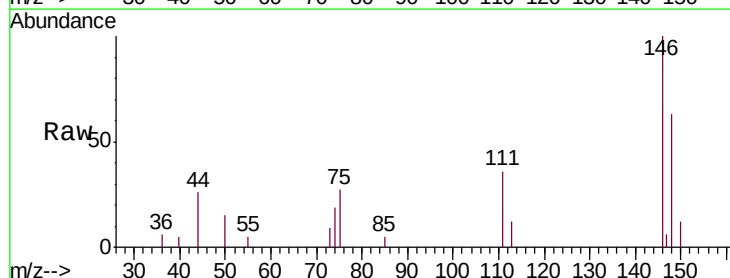
Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK40

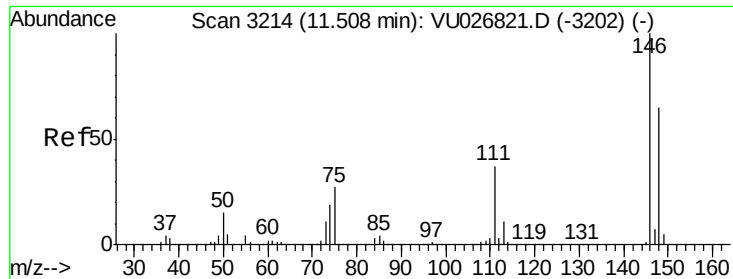
Tgt Ion: 75 Resp: 14256
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.5 38.3



#62
 1,3-Dichlorobenzene
 Concen: 0.937 ug/L
 RT: 11.42 min Scan# 3188
 Delta R.T. 0.01 min
 Lab File: VU026824.D
 Acq: 17 Sep 2018 15:02

Tgt Ion: 146 Resp: 3337
 Ion Ratio Lower Upper
 146 100
 111 35.9 26.7 49.7
 148 62.9 44.9 83.5





#63

1,4-Dichlorobenzene

Concen: 1.289 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU026824.D

Acq: 17 Sep 2018 15:02

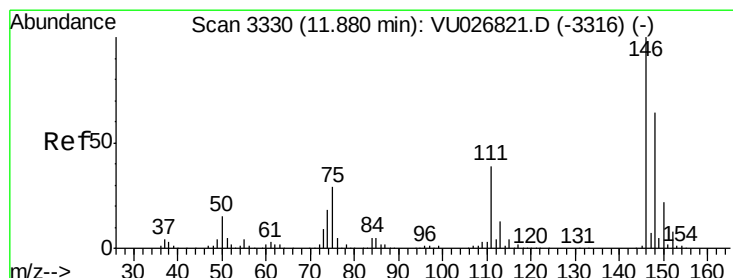
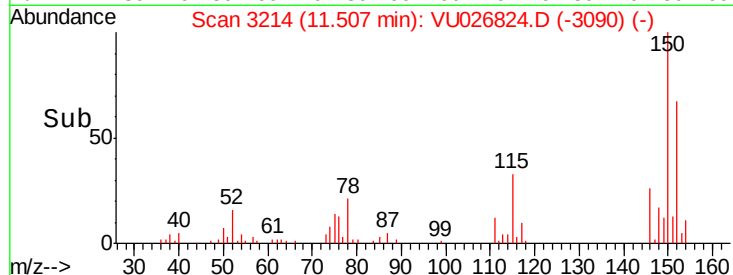
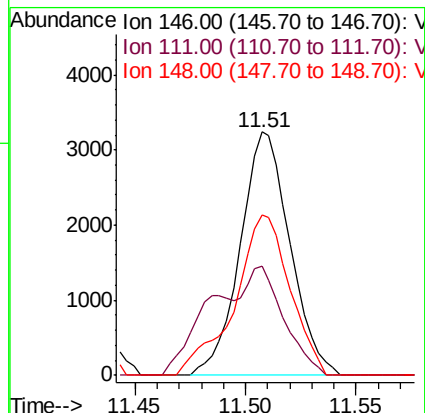
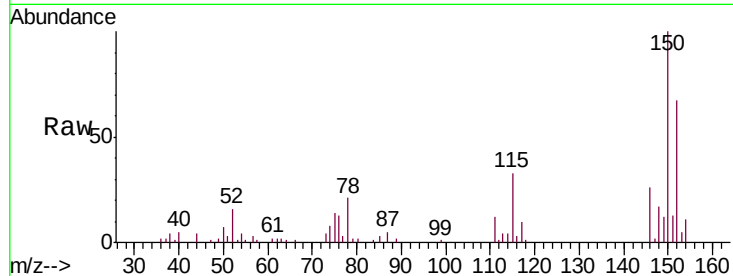
Instrument :

MSVOA_U

ClientSampleId :

VIBLK40

Tgt Ion:	146	Resp:	5057
Ion	Ratio	Lower	Upper
146	100		
111	44.6	26.0	48.2
148	65.8	45.8	85.2



#65

1,2-Dichlorobenzene

Concen: 0.941 ug/L

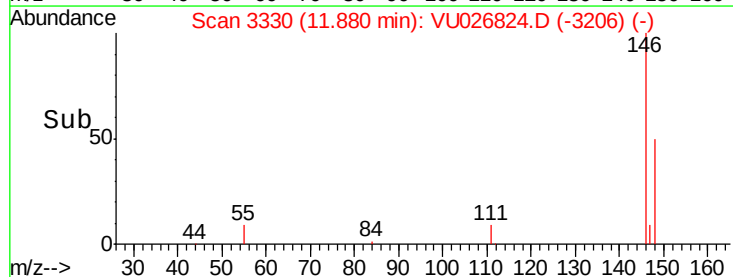
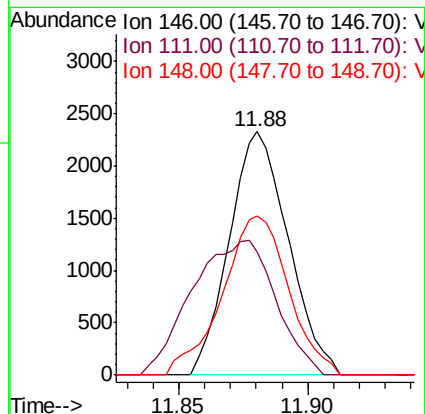
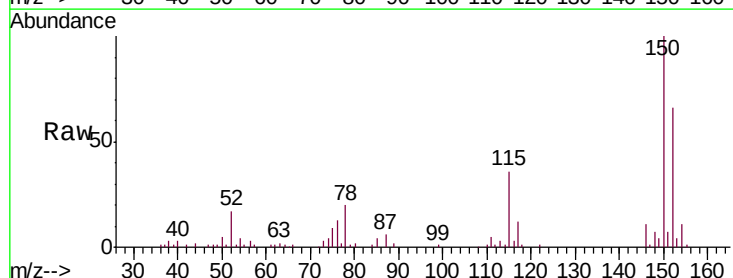
RT: 11.88 min Scan# 3330

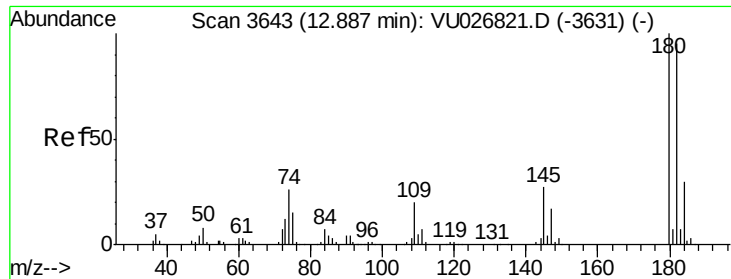
Delta R.T. -0.00 min

Lab File: VU026824.D

Acq: 17 Sep 2018 15:02

Tgt Ion:	146	Resp:	3713
Ion	Ratio	Lower	Upper
146	100		
111	50.5	31.4	47.0#
148	65.2	51.4	77.2

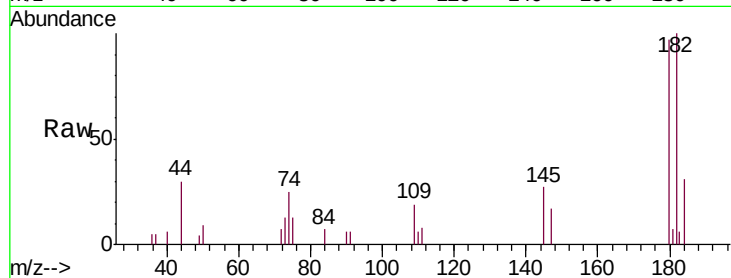




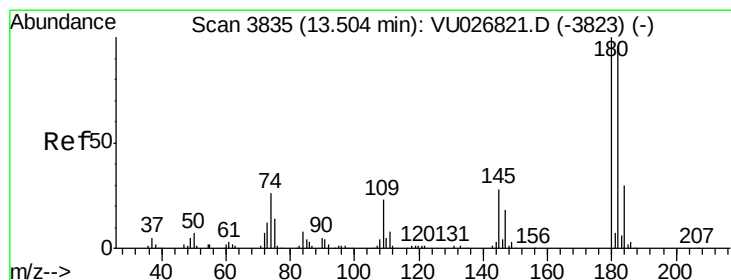
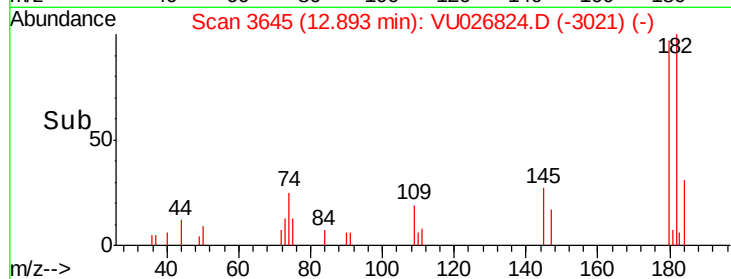
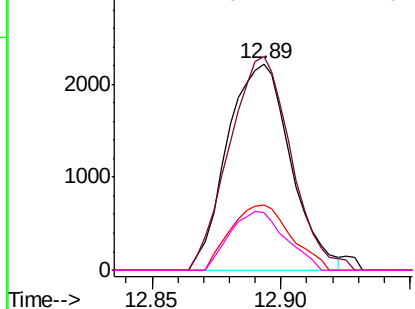
#67
 1,3,5-Trichlorobenzene
 Concen: 1.378 ug/L
 RT: 12.89 min Scan# 3645
 Delta R.T. 0.01 min
 Lab File: VU026824.D
 Acq: 17 Sep 2018 15:02

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK40

Tgt Ion:180 Resp: 3800
 Ion Ratio Lower Upper
 180 100
 182 100.0 76.7 115.1
 184 30.1 24.2 36.4
 145 25.1 21.8 32.6

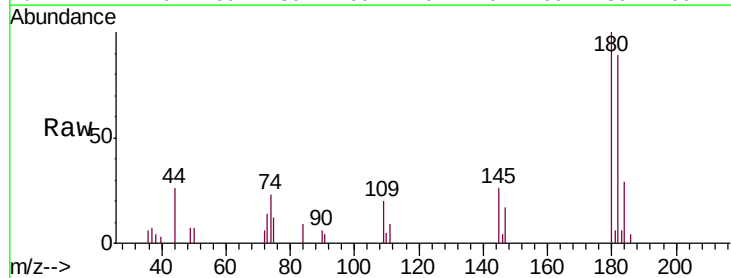


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

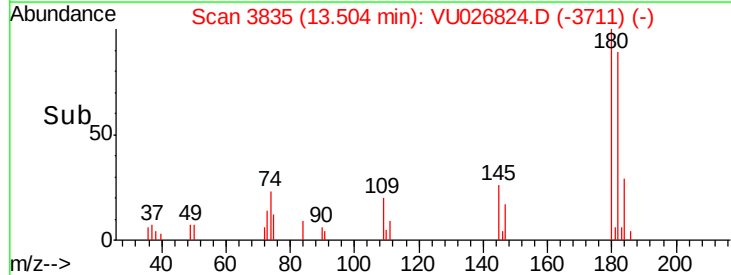
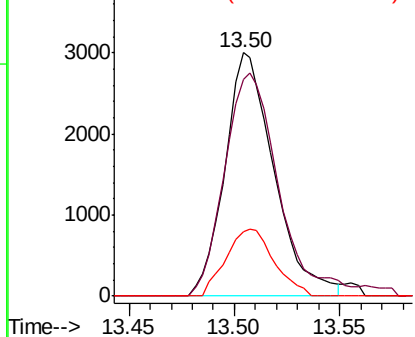


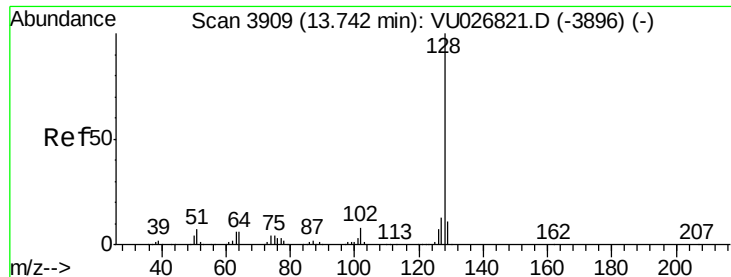
#68
 1,2,4-trichlorobenzene
 Concen: 2.044 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. -0.00 min
 Lab File: VU026824.D
 Acq: 17 Sep 2018 15:02

Tgt Ion:180 Resp: 4856
 Ion Ratio Lower Upper
 180 100
 182 97.6 76.8 115.2
 145 26.7 22.2 33.2



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





#69

Naphthalene

Concen: 2.146 ug/L

RT: 13.75 min Scan# 3910

Delta R.T. 0.00 min

Lab File: VU026824.D

Acq: 17 Sep 2018 15:02

Instrument :

MSVOA_U

ClientSampleId :

VIBLK40

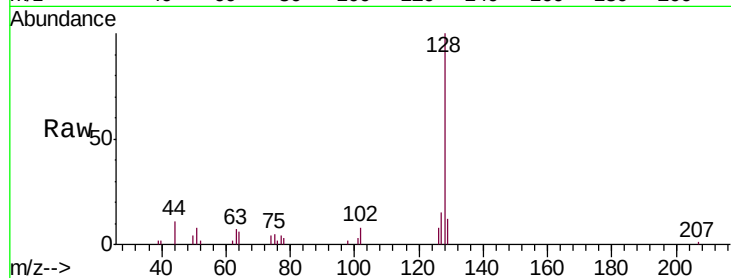
Tgt Ion:128 Resp: 15021

Ion Ratio Lower Upper

128 100

127 12.2 10.2 15.4

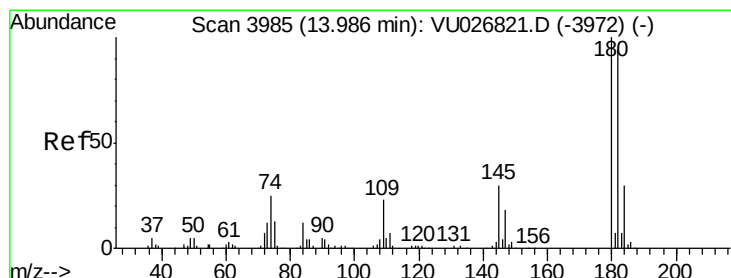
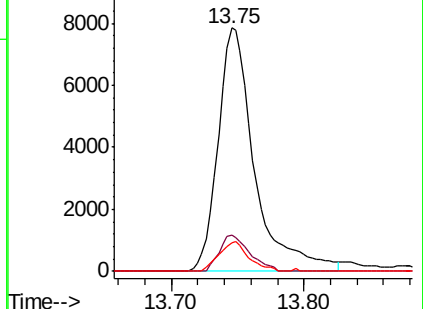
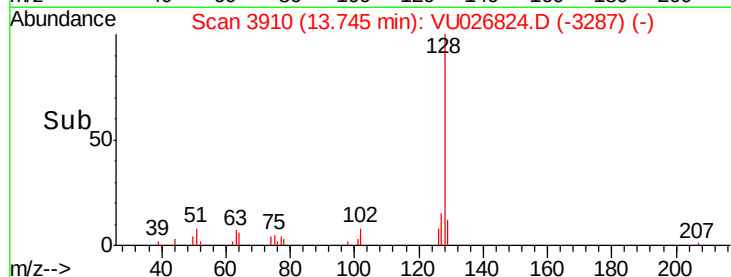
129 9.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 2.090 ug/L

RT: 13.99 min Scan# 3987

Delta R.T. 0.01 min

Lab File: VU026824.D

Acq: 17 Sep 2018 15:02

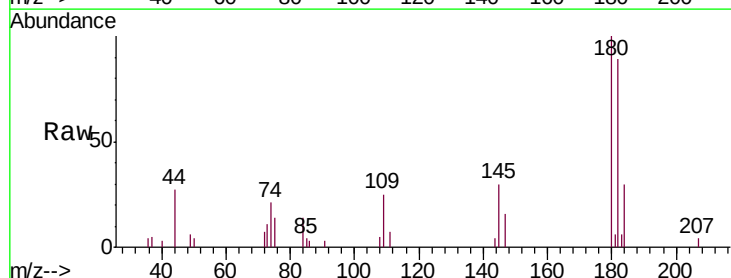
Tgt Ion:180 Resp: 5467

Ion Ratio Lower Upper

180 100

182 94.3 75.6 113.4

145 25.6 23.8 35.6



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

