

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU113018\
 Data File : VU028414.D
 Acq On : 30 Nov 2018 11:34
 Operator : MD/SY
 Sample : VU1130WBL01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK46

Quant Time: Dec 01 00:46:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM113018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Nov 30 23:11:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	464452	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	424952	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	176659	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	209114	50.32	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.64%
7) Chloroethane-d5	1.67	69	163882	51.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	102.74%
11) 1,1-Dichloroethene-d2	2.27	63	288430	39.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.06%
21) 2-Butanone-d5	4.17	46	341640	100.18	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.18%
24) Chloroform-d	4.65	84	333269	49.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.44%
26) 1,2-Dichloroethane-d4	5.31	65	228208	49.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.98%
32) Benzene-d6	5.34	84	706855	53.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.86%
36) 1,2-Dichloropropane-d6	6.33	67	252913	52.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.98%
41) Toluene-d8	7.57	98	609736	50.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.72%
43) trans-1,3-Dichloropropene-	7.85	79	110876	51.44	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.88%
47) 2-Hexanone-d5	8.31	63	238430	103.42	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.42%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	309240	50.68	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.36%
64) 1,2-Dichlorobenzene-d4	11.86	152	192560	54.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.40%

Target Compounds

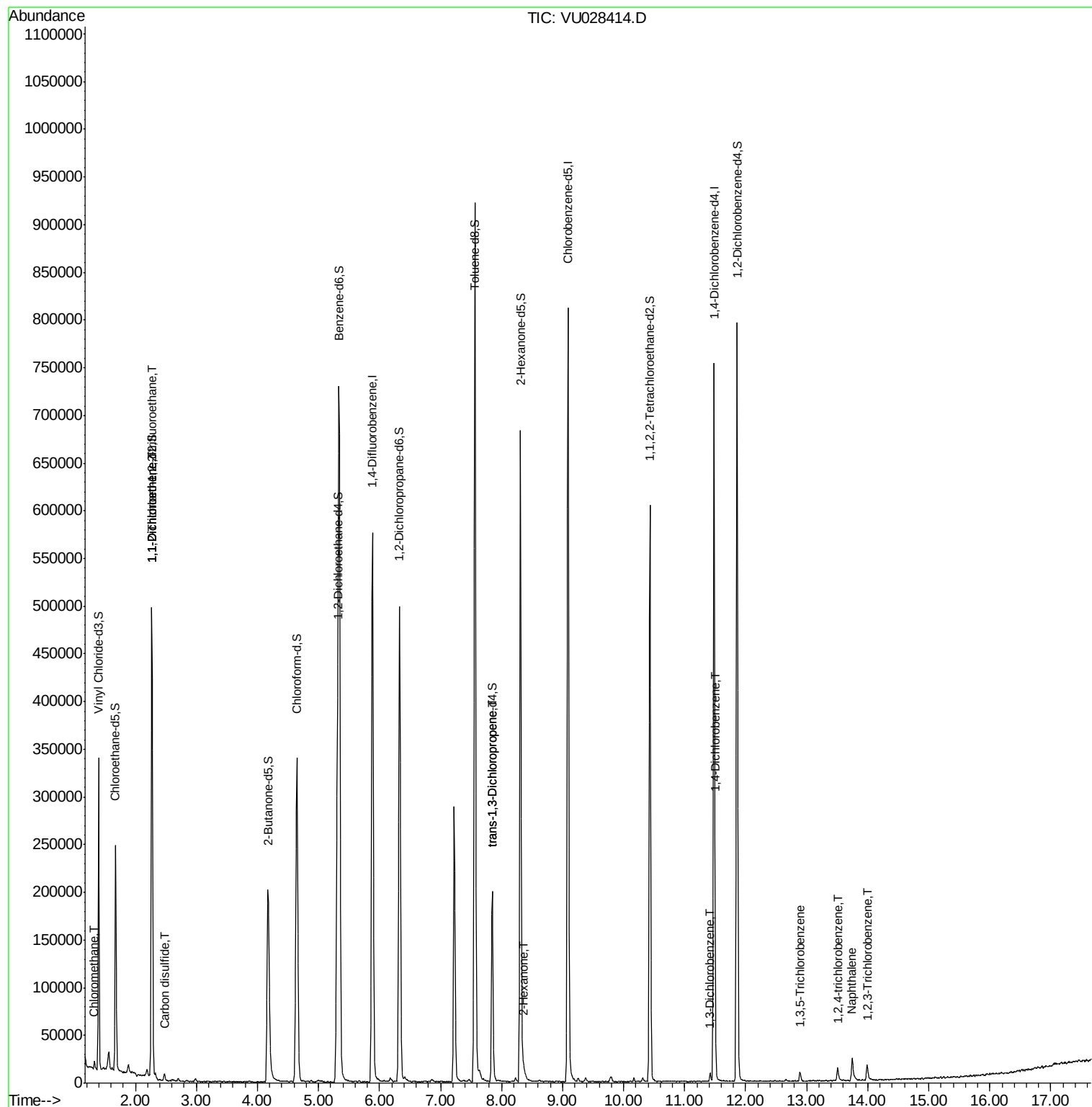
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	6612	1.102	ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	2774	0.914	ug/L #	23
12) 1,1-Dichloroethene	2.27	96	2533	0.864	ug/L #	1
14) Carbon disulfide	2.48	76	9876	0.890	ug/L	96
44) trans-1,3-Dichloropropene	7.85	75	5527	0.982	ug/L	93
48) 2-Hexanone	8.36	43	7633	1.327	ug/L #	49
62) 1,3-Dichlorobenzene	11.42	146	3218	0.559	ug/L	86
63) 1,4-Dichlorobenzene	11.51	146	3990	0.688	ug/L #	86
67) 1,3,5-Trichlorobenzene	12.89	180	3351	0.791	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	4975	1.261	ug/L	96
69) Naphthalene	13.75	128	20750	1.508	ug/L #	77
70) 1,2,3-Trichlorobenzene	13.99	180	5941	1.495	ug/L	95

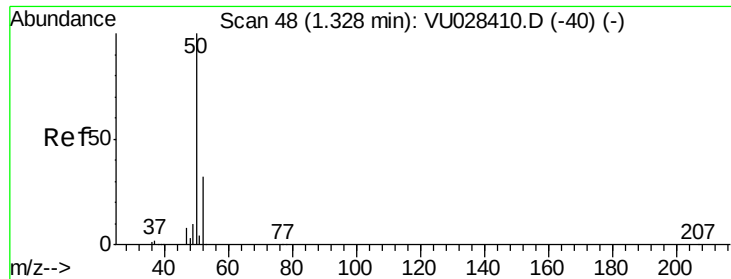
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 1.102 ug/L

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028414.D

Acq: 30 Nov 2018 11:34

Instrument :

MSVOA_U

ClientSampleId :

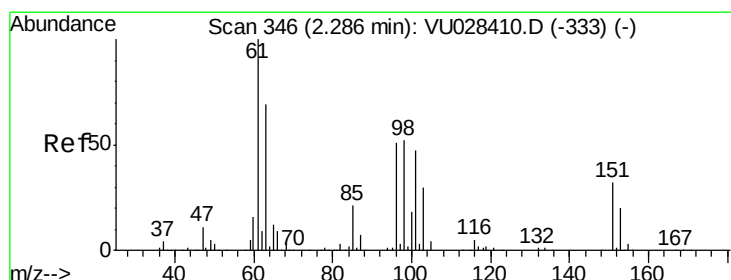
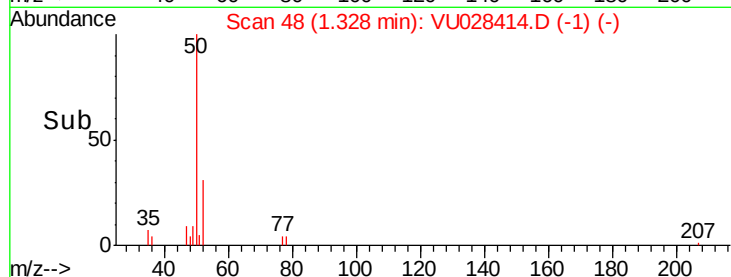
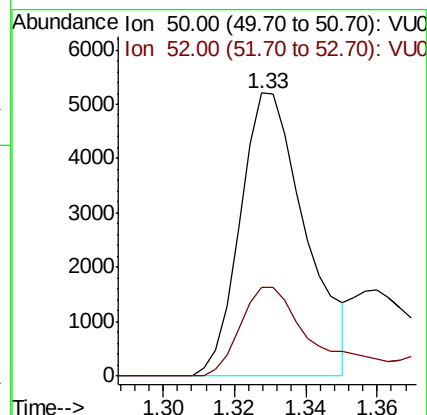
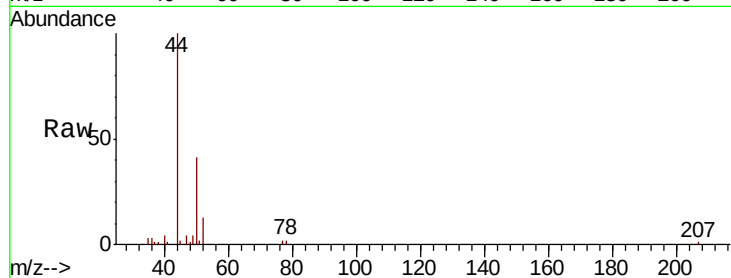
VBLK46

Tgt Ion: 50 Resp: 6612

Ion Ratio Lower Upper

50 100

52 31.3 22.6 42.0



#10

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

Concen: 0.914 ug/L

RT: 2.27 min Scan# 341

Delta R.T. -0.02 min

Lab File: VU028414.D

Acq: 30 Nov 2018 11:34

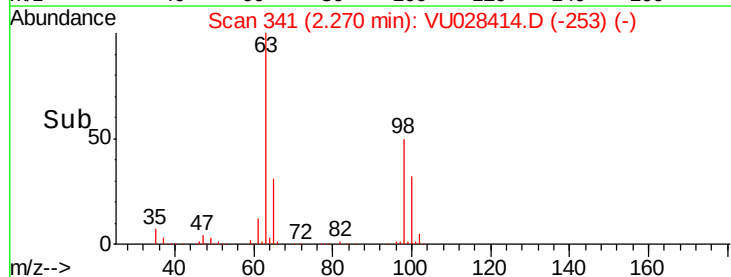
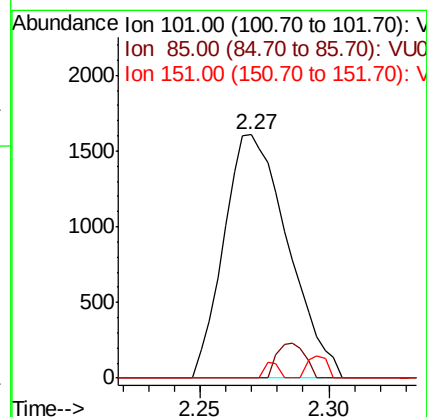
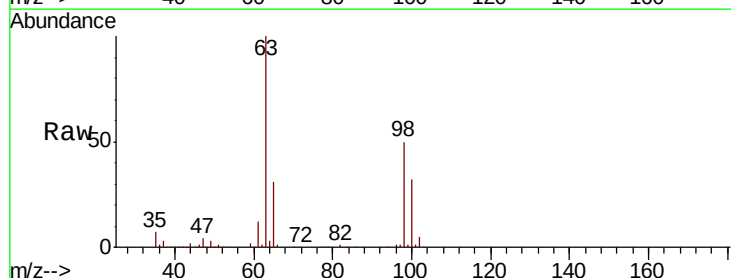
Tgt Ion: 101 Resp: 2774

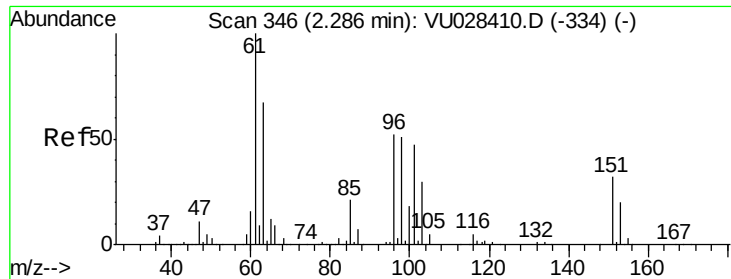
Ion Ratio Lower Upper

101 100

85 0.0 36.5 54.7#

151 1.4 55.0 82.6#

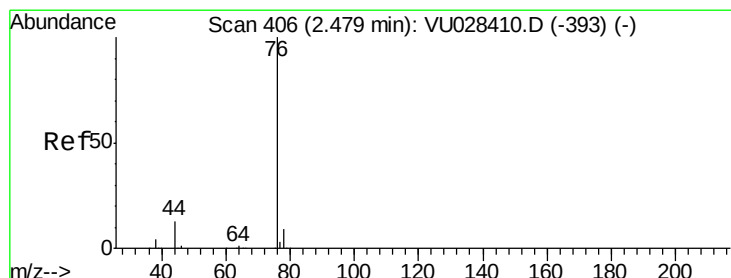
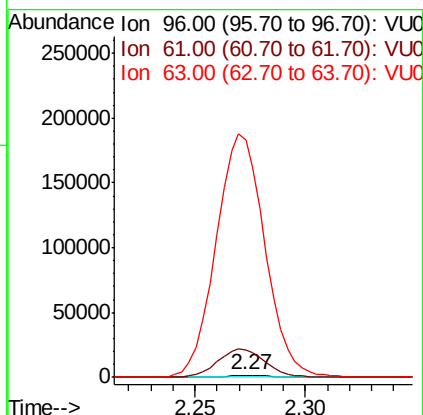
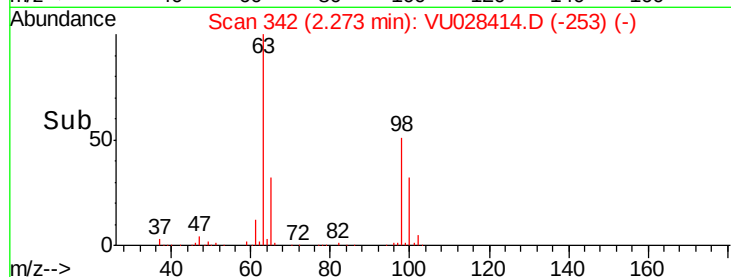
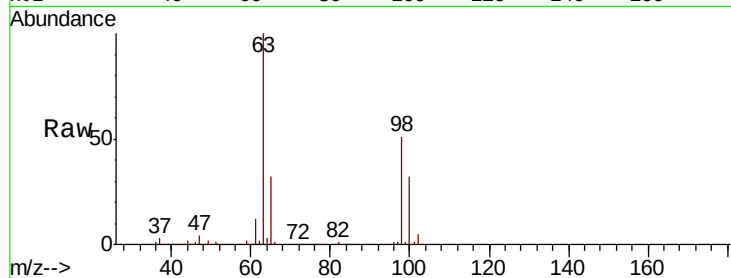




#12
 1,1-Dichloroethene
 Concen: 0.864 ug/L
 RT: 2.27 min Scan# 342
 Delta R.T. -0.01 min
 Lab File: VU028414.D
 Acq: 30 Nov 2018 11:34

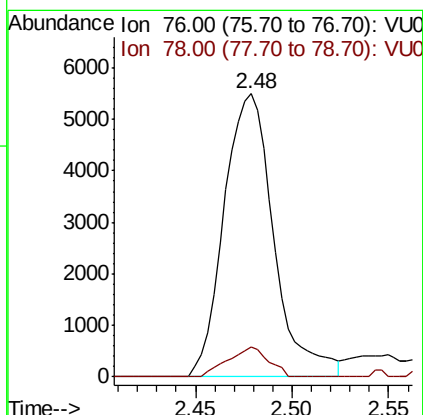
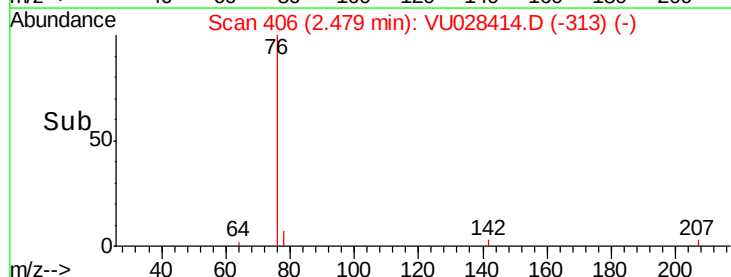
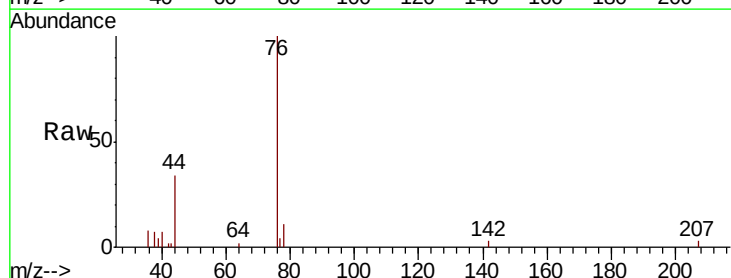
Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK46

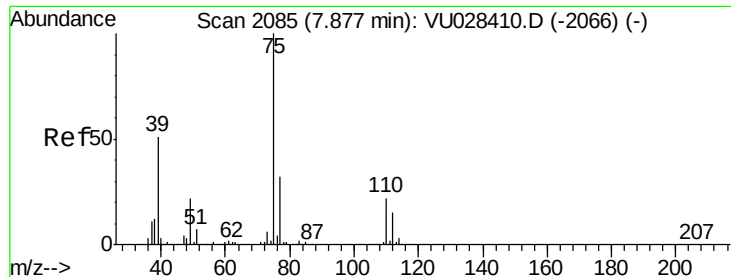
Tgt Ion: 96 Resp: 2533
 Ion Ratio Lower Upper
 96 100
 61 1489.4 136.2 252.9#
 63 12782.1 95.5 177.4#



#14
 Carbon disulfide
 Concen: 0.890 ug/L
 RT: 2.48 min Scan# 406
 Delta R.T. -0.00 min
 Lab File: VU028414.D
 Acq: 30 Nov 2018 11:34

Tgt Ion: 76 Resp: 9876
 Ion Ratio Lower Upper
 76 100
 78 10.5 7.4 11.0

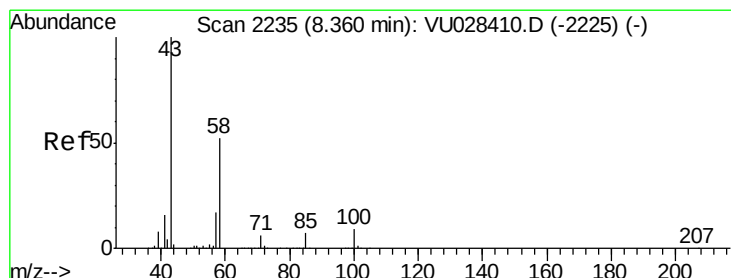
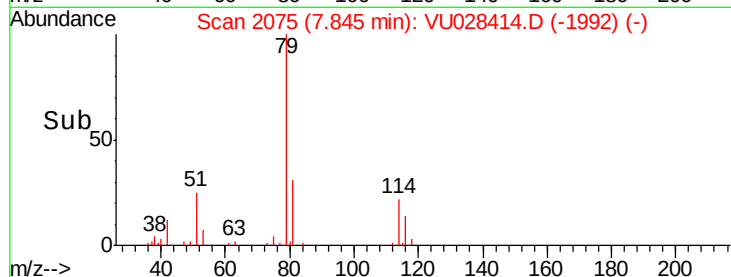
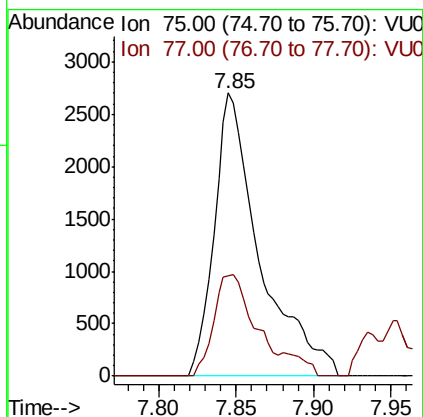
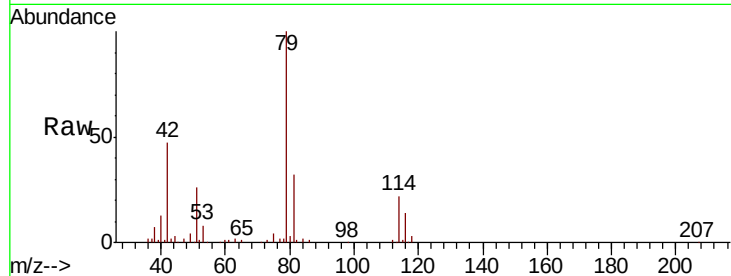




#44
 trans-1,3-Dichloropropene
 Concen: 0.982 ug/L
 RT: 7.85 min Scan# 2075
 Delta R.T. -0.03 min
 Lab File: VU028414.D
 Acq: 30 Nov 2018 11:34

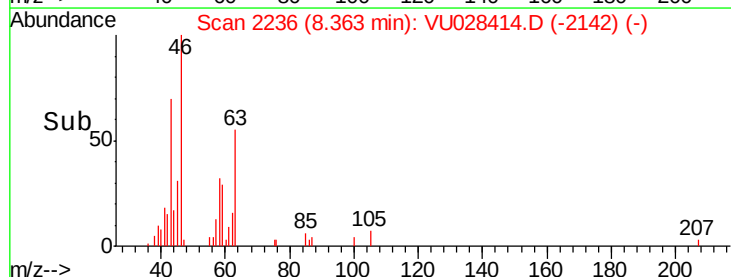
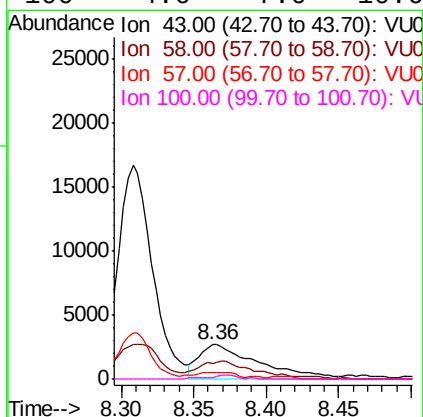
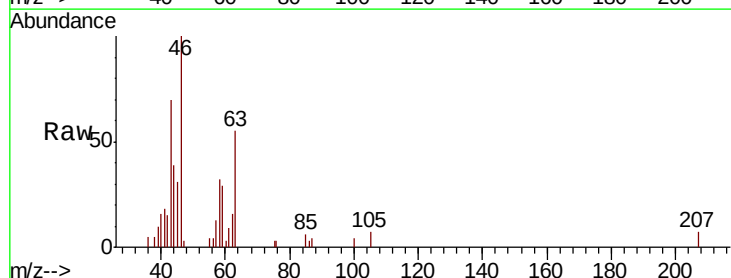
Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK46

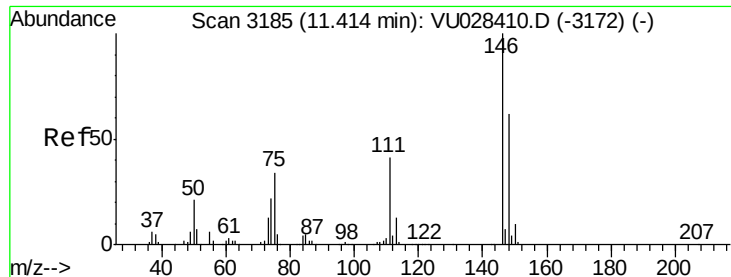
Tgt Ion: 75 Resp: 5527
 Ion Ratio Lower Upper
 75 100
 77 35.5 22.1 41.1



#48
 2-Hexanone
 Concen: 1.327 ug/L
 RT: 8.36 min Scan# 2236
 Delta R.T. 0.00 min
 Lab File: VU028414.D
 Acq: 30 Nov 2018 11:34

Tgt Ion: 43 Resp: 7633
 Ion Ratio Lower Upper
 43 100
 58 6.7 41.4 62.0#
 57 4.3 14.0 21.0#
 100 4.6 7.0 10.6#





#62

1,3-Dichlorobenzene

Concen: 0.559 ug/L

RT: 11.42 min Scan# 3186

Delta R.T. 0.00 min

Lab File: VU028414.D

Acq: 30 Nov 2018 11:34

Instrument :

MSVOA_U

ClientSampled :

VBLK46

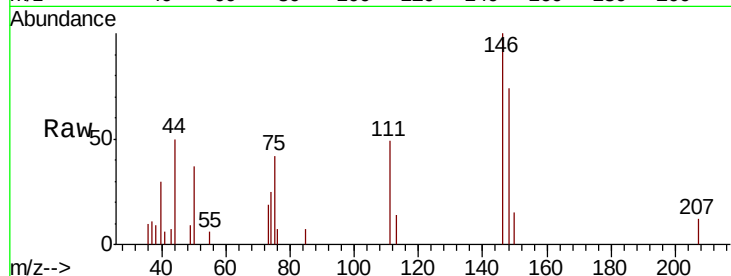
Tgt Ion:146 Resp: 3218

Ion Ratio Lower Upper

146 100

111 48.6 28.8 53.4

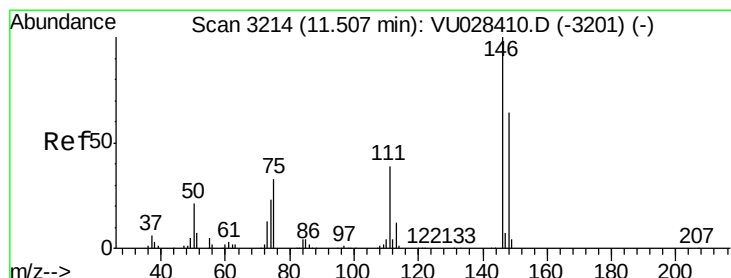
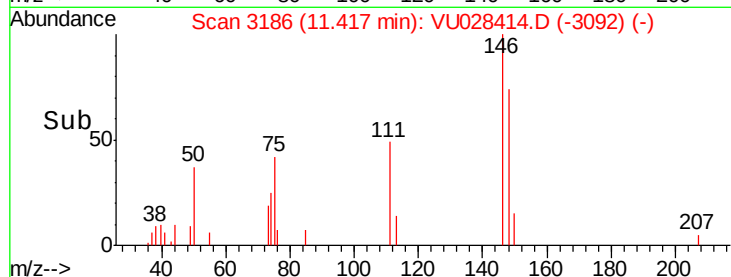
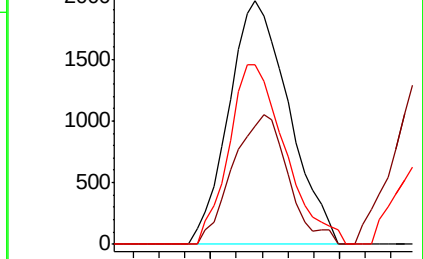
148 73.6 43.1 80.1



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: 0.688 ug/L

RT: 11.51 min Scan# 3214

Delta R.T. -0.00 min

Lab File: VU028414.D

Acq: 30 Nov 2018 11:34

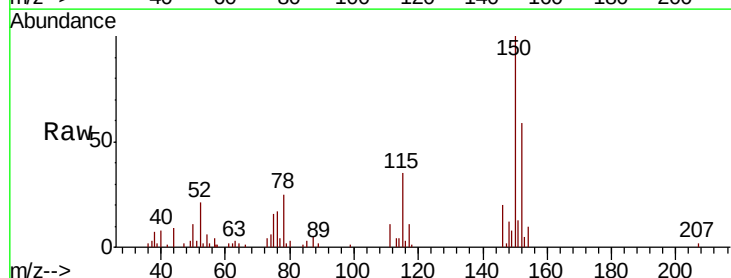
Tgt Ion:146 Resp: 3990

Ion Ratio Lower Upper

146 100

111 55.6 27.6 51.4#

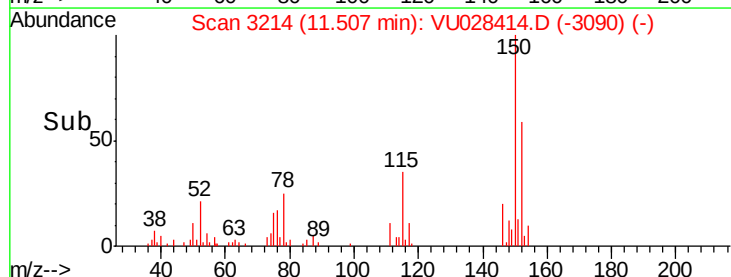
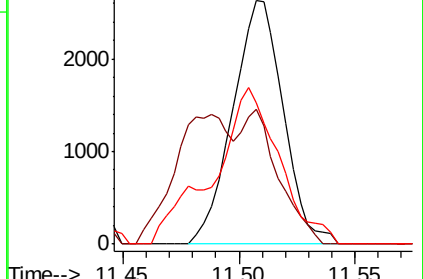
148 58.2 44.7 82.9

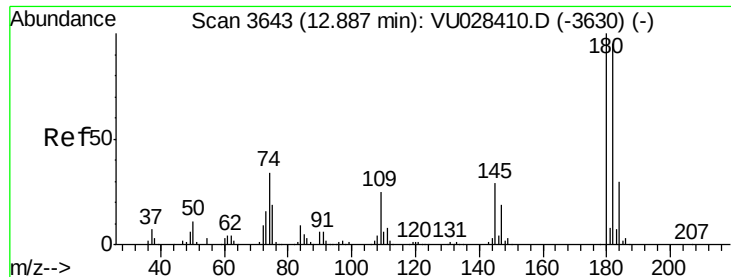


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

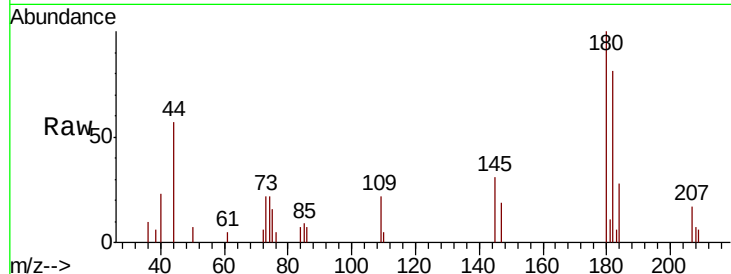




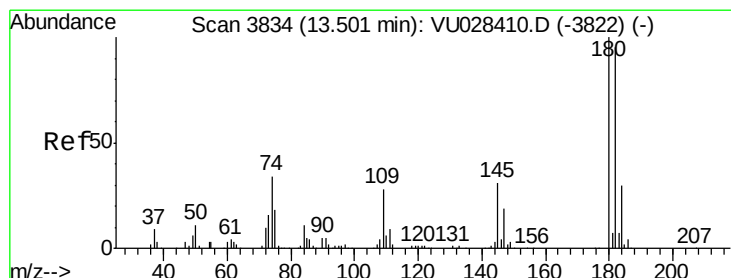
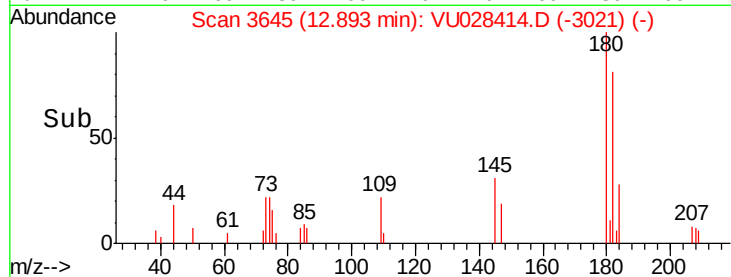
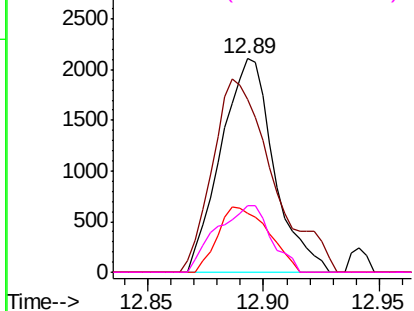
#67
 1,3,5-Trichlorobenzene
 Concen: 0.791 ug/L
 RT: 12.89 min Scan# 3645
 Delta R.T. 0.01 min
 Lab File: VU028414.D
 Acq: 30 Nov 2018 11:34

Instrument :
 MSVOA_U
 ClientSampleId :
 VBLK46

Tgt Ion:180 Resp: 3351
 Ion Ratio Lower Upper
 180 100
 182 95.7 75.8 113.6
 184 29.2 24.0 36.0
 145 31.9 23.8 35.8

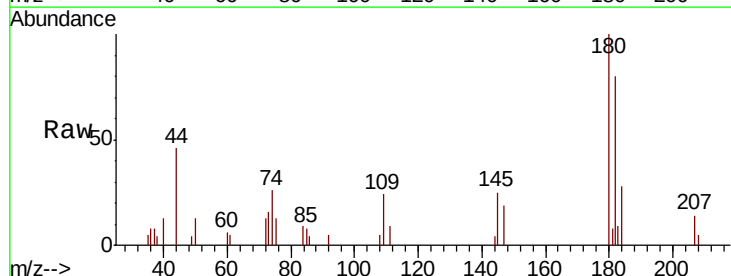


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

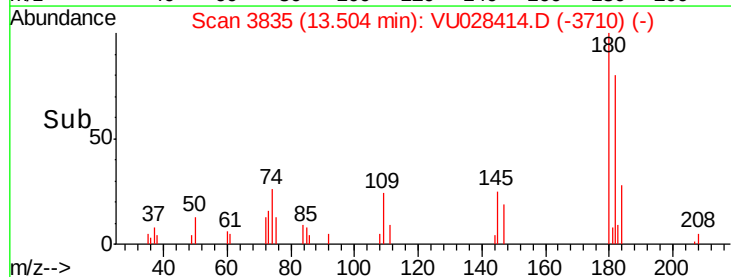
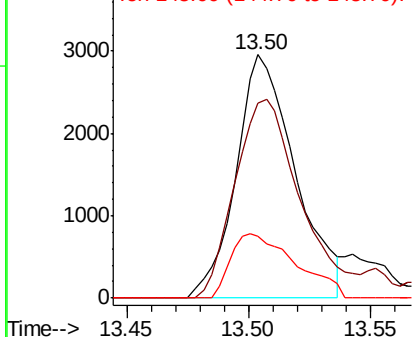


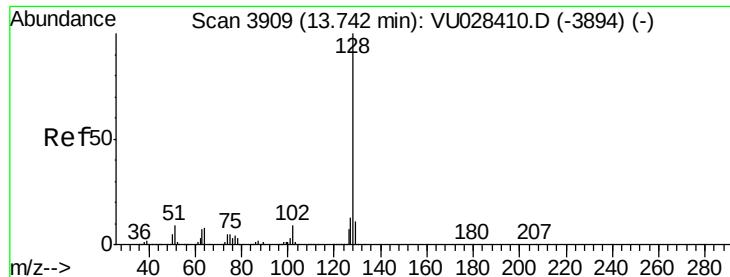
#68
 1,2,4-trichlorobenzene
 Concen: 1.261 ug/L
 RT: 13.50 min Scan# 3835
 Delta R.T. 0.00 min
 Lab File: VU028414.D
 Acq: 30 Nov 2018 11:34

Tgt Ion:180 Resp: 4975
 Ion Ratio Lower Upper
 180 100
 182 90.8 76.0 114.0
 145 28.9 24.2 36.2



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: 1.508 ug/L

RT: 13.75 min Scan# 3911

Delta R.T. 0.01 min

Lab File: VU028414.D

Acq: 30 Nov 2018 11:34

Instrument :

MSVOA_U

ClientSampleId :

VBLK46

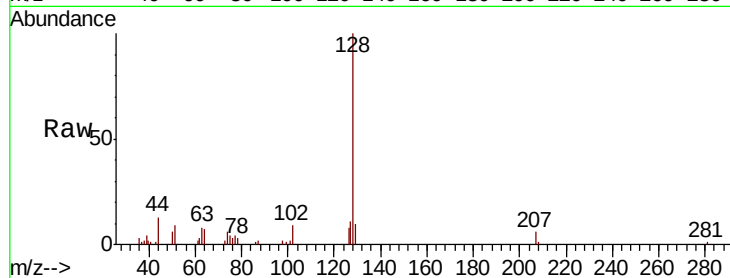
Tgt Ion:128 Resp: 20750

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 6.4 8.6 12.8#

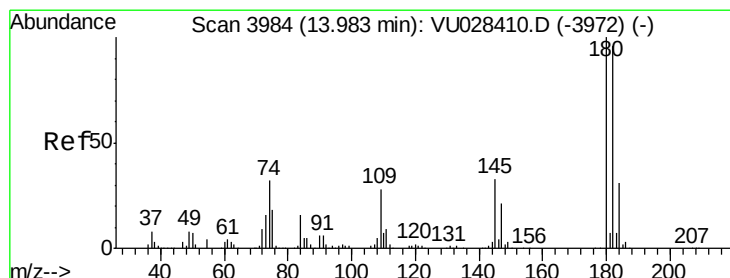
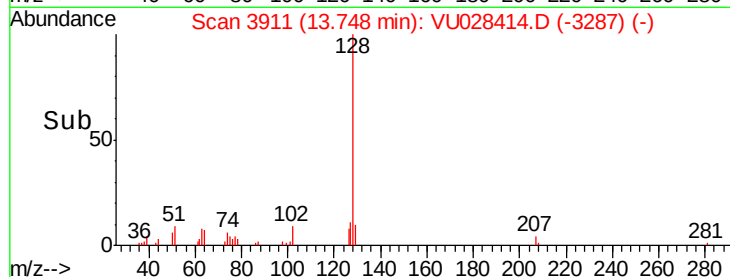
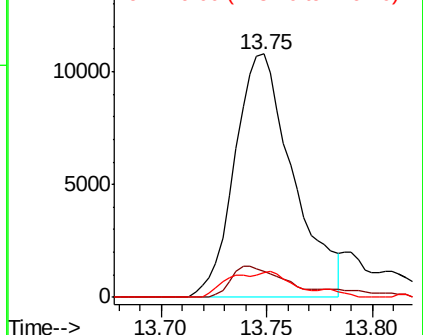


Abundance

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: 1.495 ug/L

RT: 13.99 min Scan# 3986

Delta R.T. 0.01 min

Lab File: VU028414.D

Acq: 30 Nov 2018 11:34

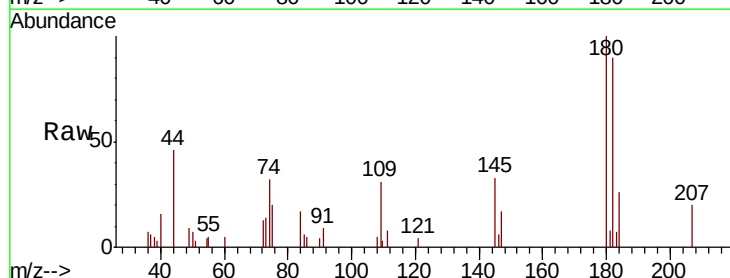
Tgt Ion:180 Resp: 5941

Ion Ratio Lower Upper

180 100

182 100.9 76.6 115.0

145 30.2 26.2 39.2



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

