

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU050619\
 Data File : VU031784.D
 Acq On : 06 May 2019 17:07
 Operator : JC/SP
 Sample : K2705-03
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: May 07 08:50:24 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM042719WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 07 08:38:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	699253	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	665946	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	264843	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	246702	42.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.32%
7) Chloroethane-d5	1.68	69	200671	44.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.74%
11) 1,1-Dichloroethene-d2	2.27	63	393093	33.73	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.46%
21) 2-Butanone-d5	4.18	46	664800	125.38	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	125.38%
24) Chloroform-d	4.64	84	501783	46.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.64%
26) 1,2-Dichloroethane-d4	5.31	65	364273	52.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.04%
32) Benzene-d6	5.34	84	945957	46.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.52%
36) 1,2-Dichloropropane-d6	6.33	67	355434	49.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.80%
41) Toluene-d8	7.56	98	752169	42.23	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.46%
43) trans-1,3-Dichloropropene-	7.85	79	142766	46.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.46%
47) 2-Hexanone-d5	8.31	63	383777	123.24	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	123.24%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	483652	50.09	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.18%
64) 1,2-Dichlorobenzene-d4	11.86	152	257034	46.15	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.30%

Target Compounds

					Ovalue
5) Vinyl chloride	1.40	62	220372	25.336	ug/L 96
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	3691	0.659	ug/L # 36
12) 1,1-Dichloroethene	2.28	96	27931	5.120	ug/L # 1
13) Acetone	2.33	43	10361	1.735	ug/L 85
17) trans-1,2-Dichloroethene	2.98	96	156380	27.509	ug/L 97
20) cis-1,2-Dichloroethene	4.22	96	5635172	924.114	ug/L 88
34) Trichloroethene	6.18	95	7775202	1310.050	ug/L 93
44) trans-1,3-Dichloropropene	7.85	75	6619	0.795	ug/L # 74
46) Tetrachloroethene	8.23	164	14350518	3546.731	ug/L 88
48) 2-Hexanone	8.37	43	22638	2.617	ug/L # 80
58) 1,1,2,2-Tetrachloroethane	10.45	83	8703	0.856	ug/L # 97
59) 1,2,3-Trichloropropane	11.48	75	41739	5.065	ug/L 93
68) 1,2,4-trichlorobenzene	13.51	180	1955	0.376	ug/L # 72
69) Naphthalene	13.76	128	15051	0.849	ug/L # 81
70) 1,2,3-Trichlorobenzene	14.00	180	3659	0.618	ug/L 84

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Quant Title : VOC Analysis
QLast Update : Tue May 07 08:38:32 2019
Response via : Initial Calibration

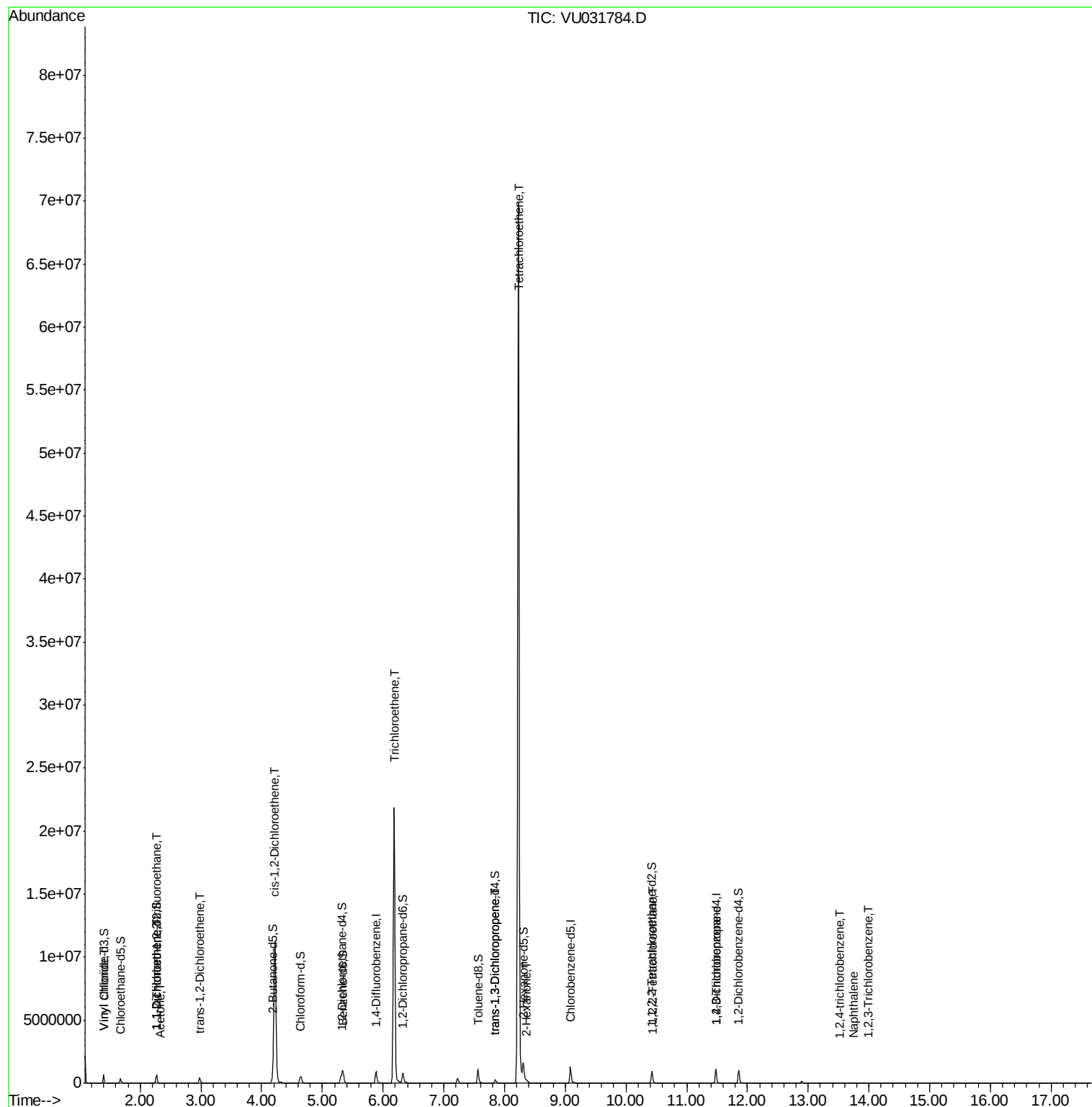
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

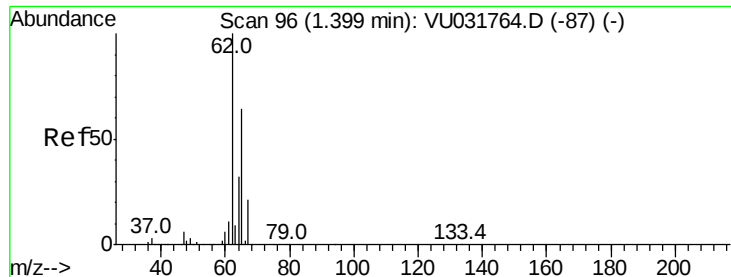
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Quant Title : VOC Analysis
QLast Update : Tue May 07 08:38:32 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 25.336 ug/L

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU031784.D

Acq: 06 May 2019 17:07

Instrument :

MSVOA_U

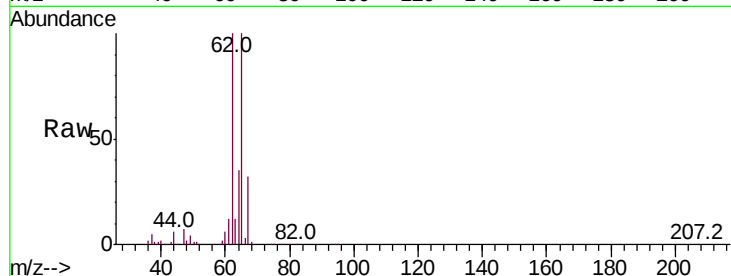
ClientSampleId :

Tot Ion: 62 Resp: 220372

Ion Ratio Lower Upper

62 100

64 35.5 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VU031784.D (-87) (-)

Ion 64.00 (63.70 to 64.70): VU031784.D (-87) (-)

1.40

200000

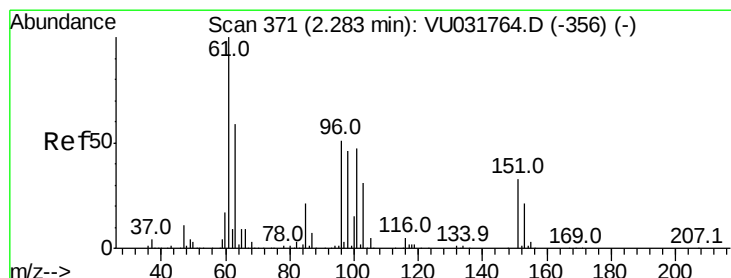
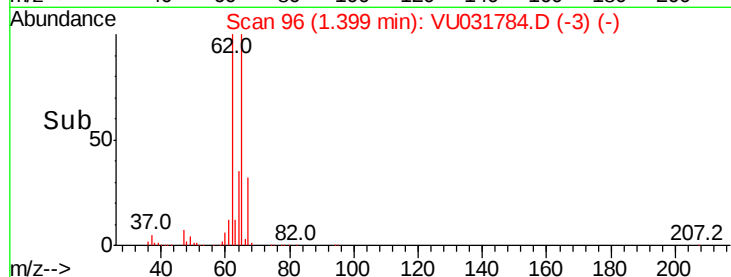
150000

100000

50000

0

Time-->



#10

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

Concen: 0.659 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU031784.D

Acq: 06 May 2019 17:07

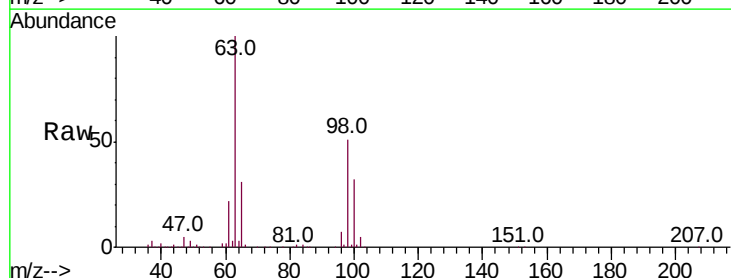
Tgt Ion:101 Resp: 3691

Ion Ratio Lower Upper

101 100

85 4.2 36.1 54.1#

151 16.5 56.1 84.1#



Abundance Ion 101.00 (100.70 to 101.70): VU031784.D (-356) (-)

Ion 85.00 (84.70 to 85.70): VU031784.D (-356) (-)

Ion 151.00 (150.70 to 151.70): VU031784.D (-356) (-)

2.27

2500

2000

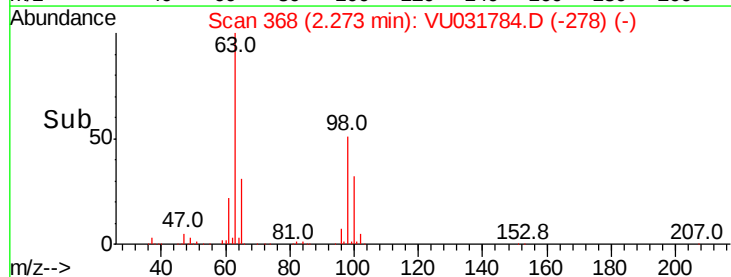
1500

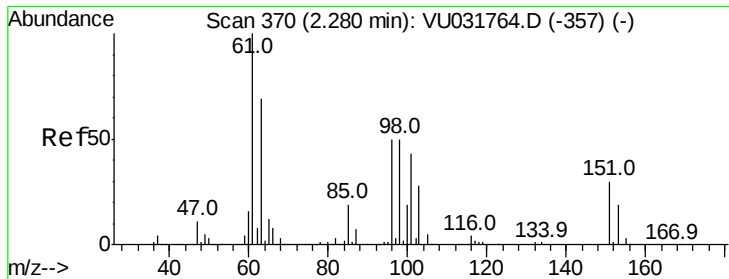
1000

500

0

Time-->





#12

1,1-Dichloroethene

Concen: 5.120 ug/L

RT: 2.28 min Scan# 370

Delta R.T. 0.00 min

Lab File: VU031784.D

Acq: 06 May 2019 17:07

Instrument :

MSVOA_U

ClientSampled :

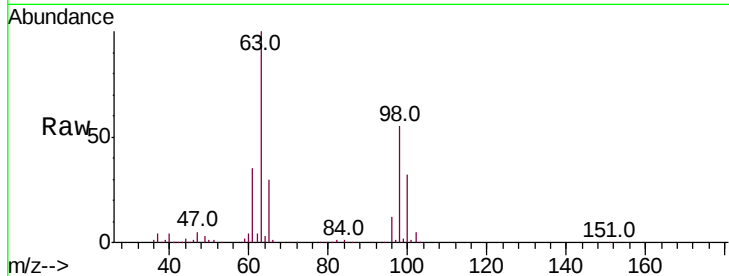
Tot Ion: 96 Resp: 27931

Ion Ratio Lower Upper

96 100

61 277.3 135.0 250.6#

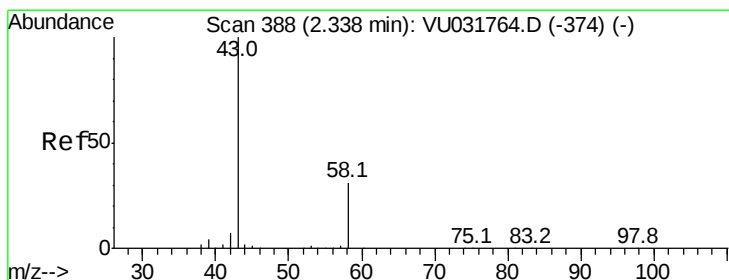
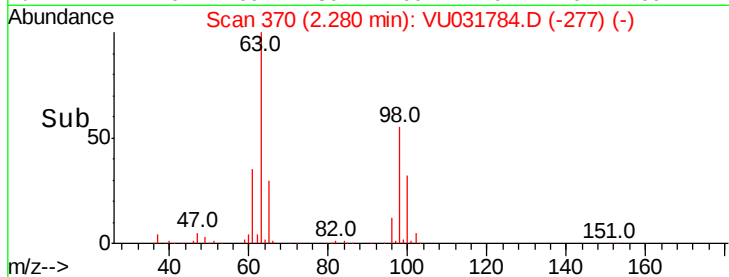
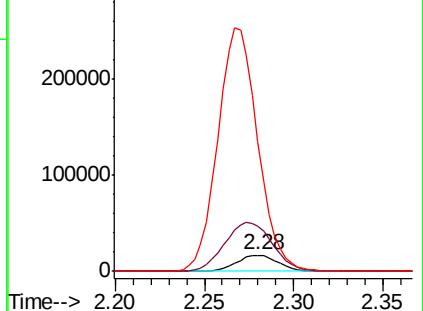
63 800.8 103.5 192.3#



Abundance Ion 96.00 (95.70 to 96.70): VU031784.D (-277) (-)

Ion 61.00 (60.70 to 61.70): VU031784.D (-277) (-)

Ion 63.00 (62.70 to 63.70): VU031784.D (-277) (-)



#13

Acetone

Concen: 1.735 ug/L

RT: 2.33 min Scan# 386

Delta R.T. -0.01 min

Lab File: VU031784.D

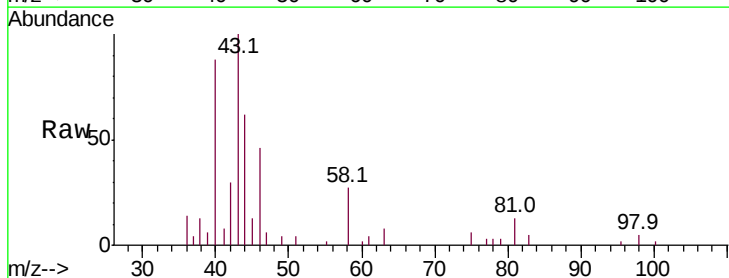
Acq: 06 May 2019 17:07

Tgt Ion: 43 Resp: 10361

Ion Ratio Lower Upper

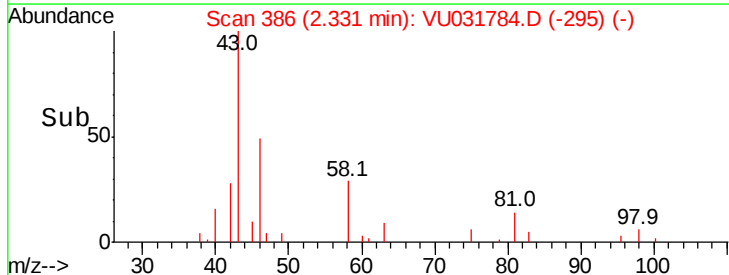
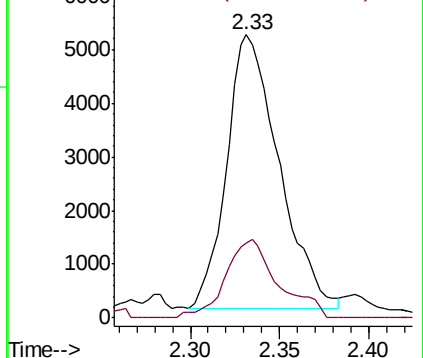
43 100

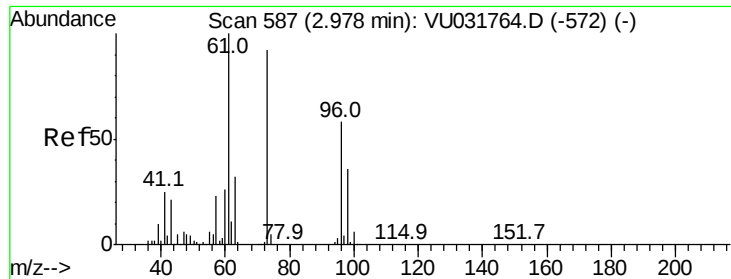
58 23.8 0.0 64.4



Abundance Ion 43.00 (42.70 to 43.70): VU031784.D (-295) (-)

Ion 58.00 (57.70 to 58.70): VU031784.D (-295) (-)





#17

trans-1,2-Dichloroethene

Concen: 27.509 ug/L

RT: 2.98 min Scan# 588

Delta R.T. 0.00 min

Lab File: VU031784.D

Acq: 06 May 2019 17:07

Instrument :
MSVOA_U
ClientSampled :

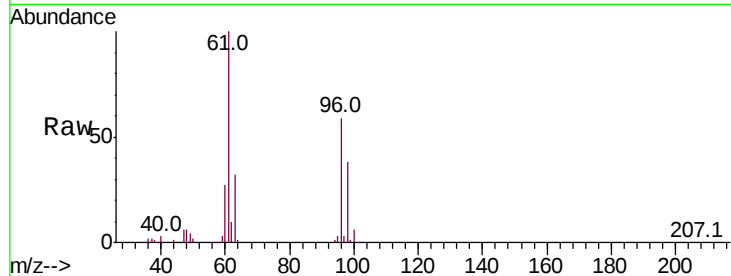
Tot Ion: 96 Resp: 156380

Ion Ratio Lower Upper

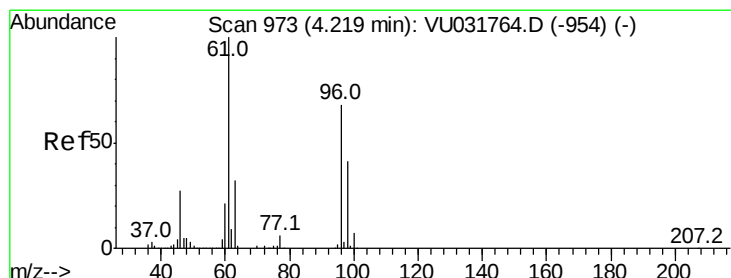
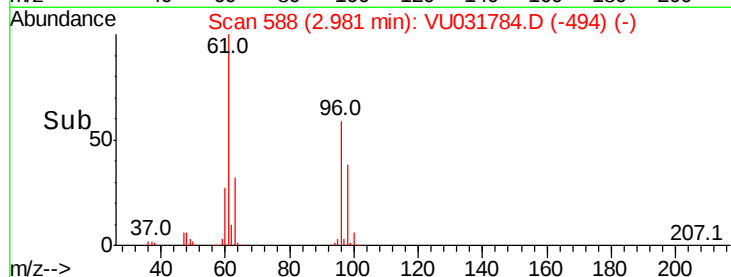
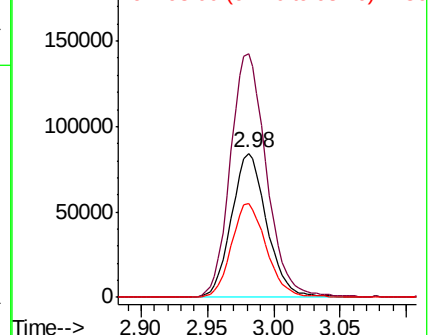
96 100

61 169.1 114.5 212.7

98 64.9 45.4 84.2



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: 924.114 ug/L

RT: 4.22 min Scan# 973

Delta R.T. 0.00 min

Lab File: VU031784.D

Acq: 06 May 2019 17:07

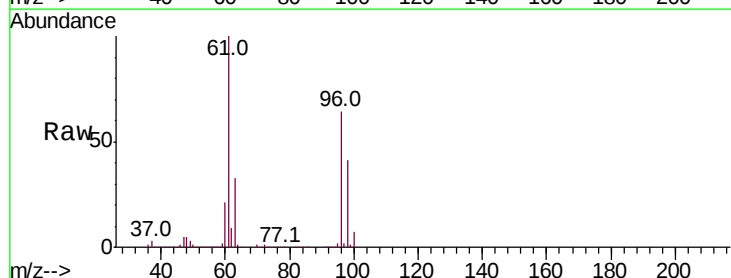
Tgt Ion: 96 Resp: 5635172

Ion Ratio Lower Upper

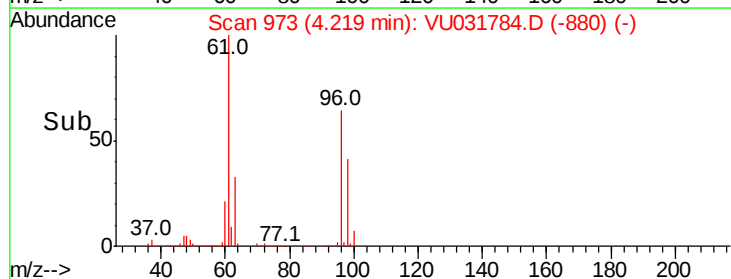
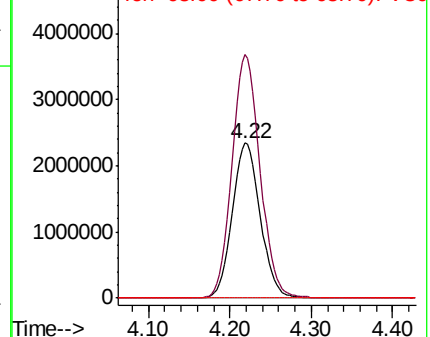
96 100

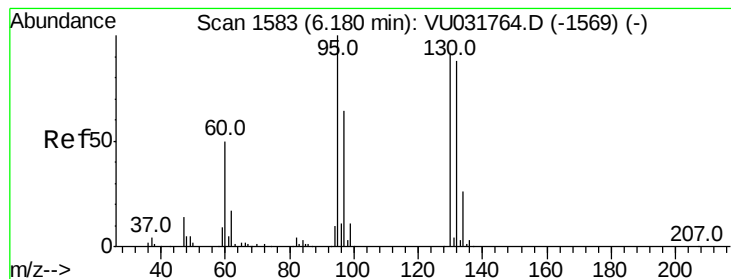
61 157.3 99.5 184.7

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 68.00 (67.70 to 68.70): VU0





#34

Trichloroethene

Concen: 1310.050 ug/L

RT: 6.18 min Scan# 1584

Delta R.T. 0.00 min

Lab File: VU031784.D

Acq: 06 May 2019 17:07

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 7775202

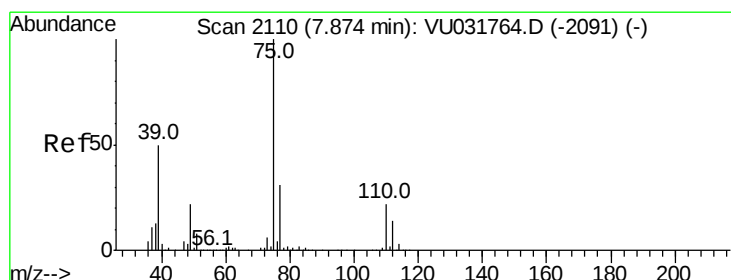
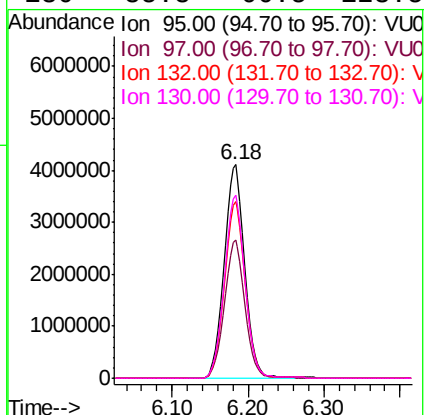
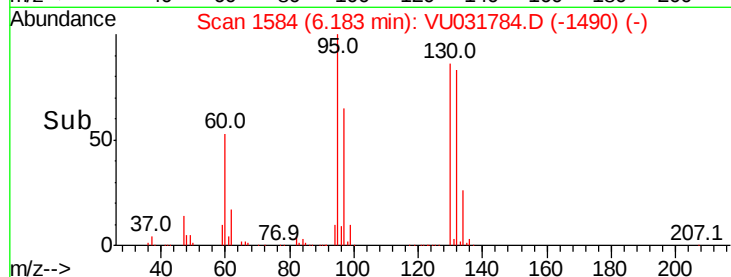
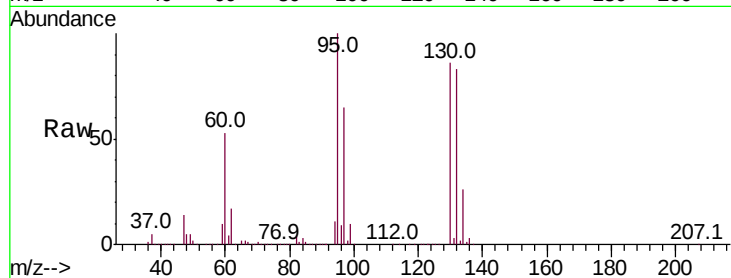
Ion Ratio Lower Upper

95 100

97 64.6 44.8 83.2

132 82.9 63.1 117.1

130 85.8 66.5 123.5



#44

trans-1,3-Dichloropropene

Concen: 0.795 ug/L

RT: 7.85 min Scan# 2103

Delta R.T. -0.02 min

Lab File: VU031784.D

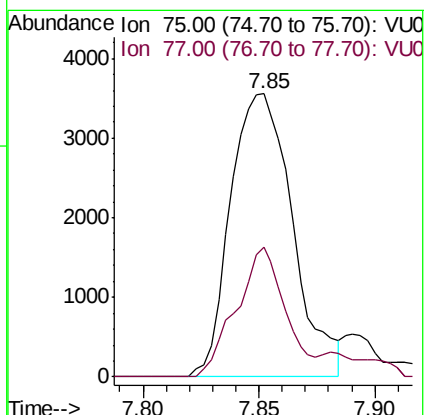
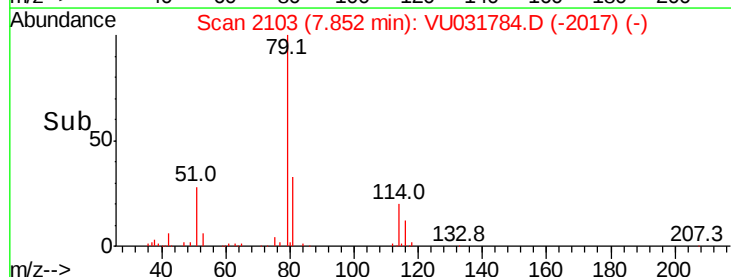
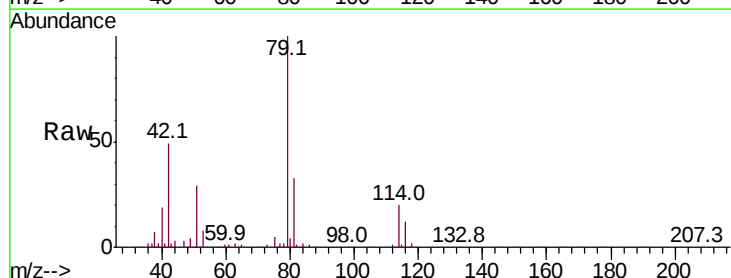
Acq: 06 May 2019 17:07

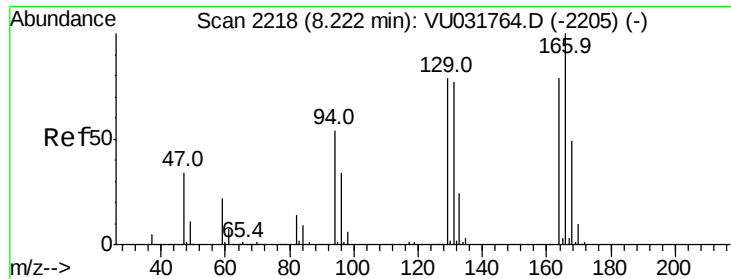
Tgt Ion: 75 Resp: 6619

Ion Ratio Lower Upper

75 100

77 45.8 22.1 41.1#

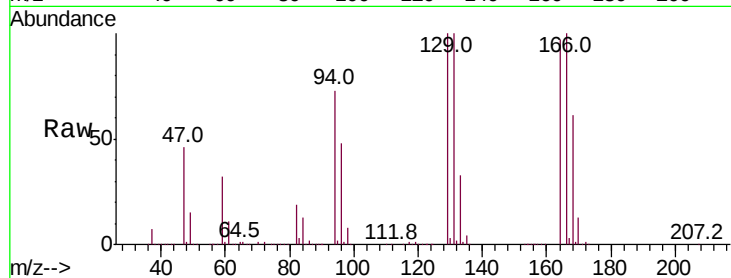




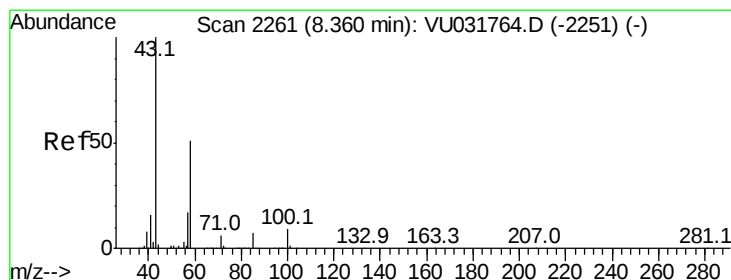
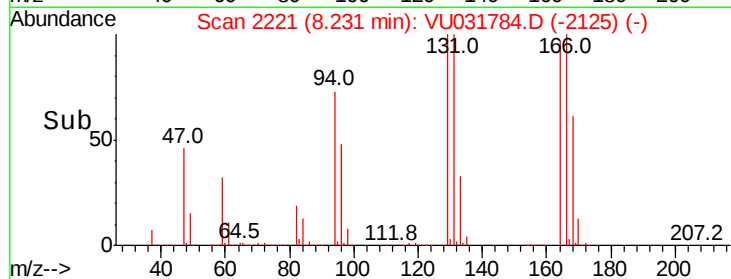
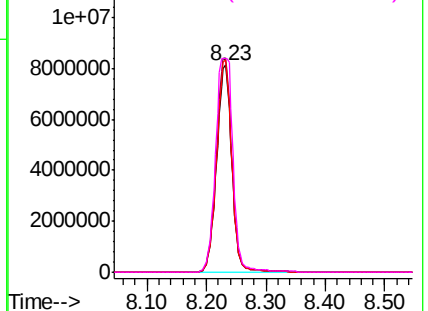
#46
Tetrachloroethene
Concen: 3546.731 ug/L
RT: 8.23 min Scan# 2221
Delta R.T. 0.01 min
Lab File: VU031784.D
Acq: 06 May 2019 17:07

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:164 Resp:14350518
Ion Ratio Lower Upper
164 100
129 103.2 71.5 132.9
131 102.7 69.0 128.2
166 103.2 93.7 173.9

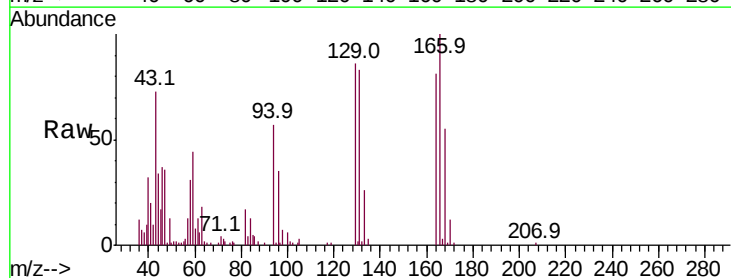


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

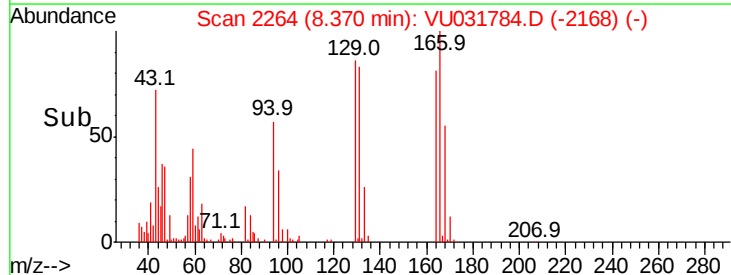
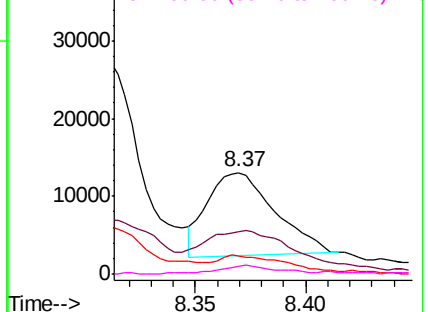


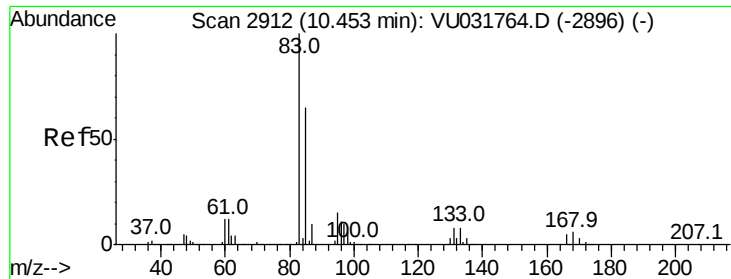
#48
2-Hexanone
Concen: 2.617 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. 0.01 min
Lab File: VU031784.D
Acq: 06 May 2019 17:07

Tgt Ion: 43 Resp: 22638
Ion Ratio Lower Upper
43 100
58 74.0 42.1 63.1#
57 18.1 14.6 22.0
100 7.9 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VU0
Ion 58.00 (57.70 to 58.70): VU0
Ion 57.00 (56.70 to 57.70): VU0
Ion 100.00 (99.70 to 100.70): VU0





#58

1,1,2,2-Tetrachloroethane

Concen: 0.856 ug/L

RT: 10.45 min Scan# 2912

Delta R.T. 0.00 min

Lab File: VU031784.D

Acq: 06 May 2019 17:07

Instrument :

MSVOA_U

ClientSampleId :

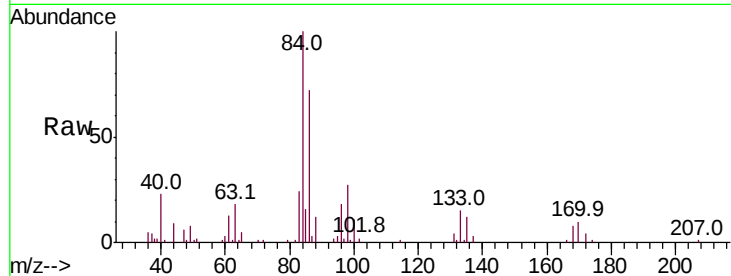
Tot Ion: 83 Resp: 8703

Ion Ratio Lower Upper

83 100

85 66.1 46.0 85.4

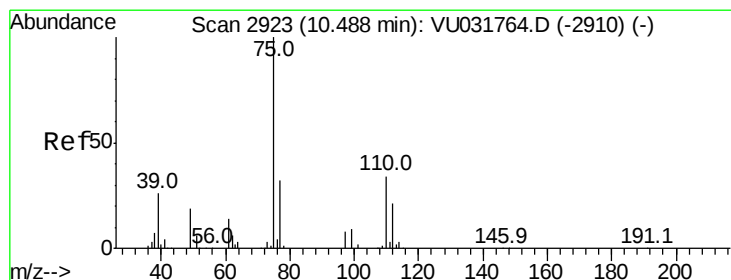
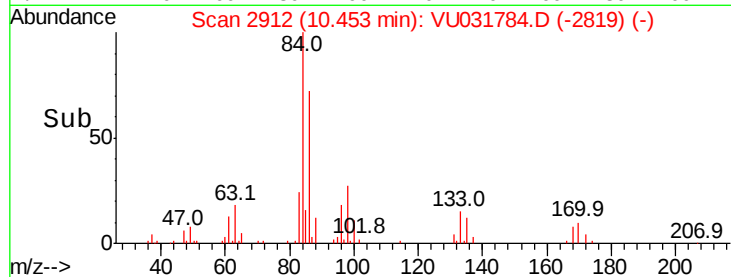
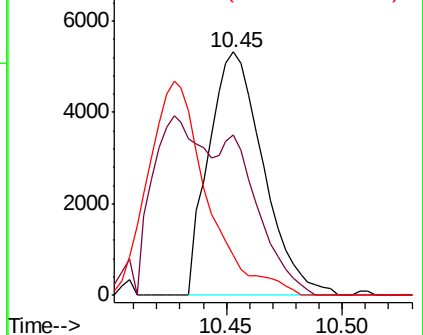
131 16.7 7.3 10.9#



Abundance Ion 83.00 (82.70 to 83.70): VU031764.D (-2896) (-)

Ion 85.00 (84.70 to 85.70): VU031764.D (-2896) (-)

Ion 131.00 (130.70 to 131.70): VU031764.D (-2896) (-)



#59

1,2,3-Trichloropropane

Concen: 5.065 ug/L

RT: 11.48 min Scan# 3231

Delta R.T. 0.99 min

Lab File: VU031784.D

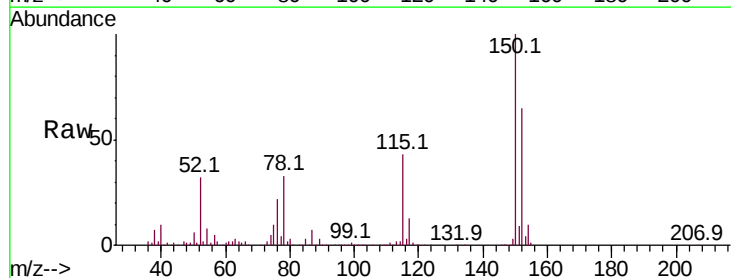
Acq: 06 May 2019 17:07

Tgt Ion: 75 Resp: 41739

Ion Ratio Lower Upper

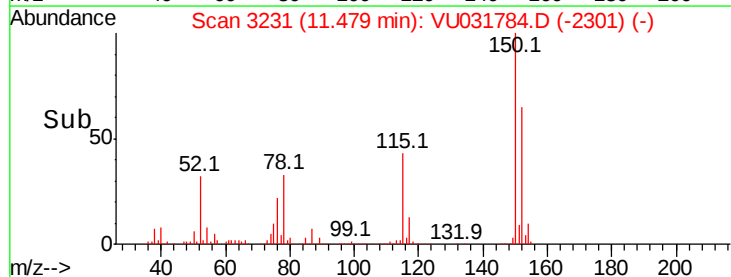
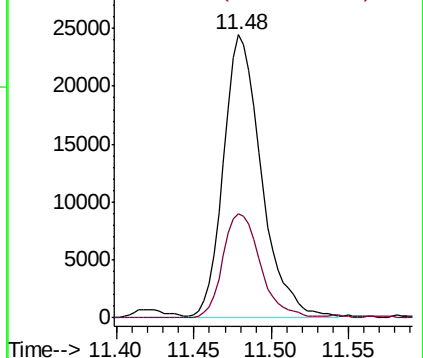
75 100

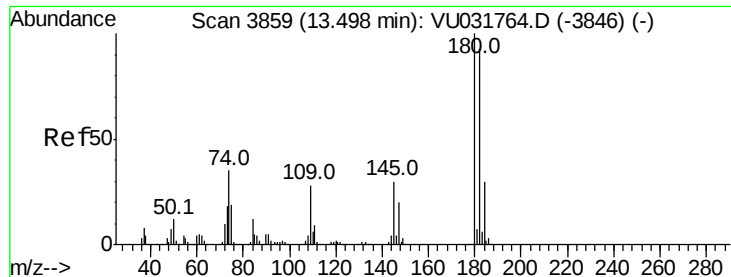
77 36.1 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VU031764.D (-2910) (-)

Ion 77.00 (76.70 to 77.70): VU031764.D (-2910) (-)

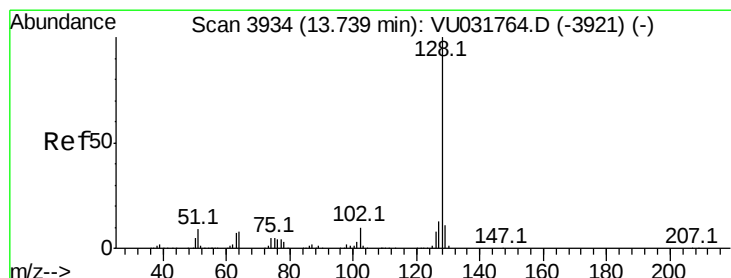
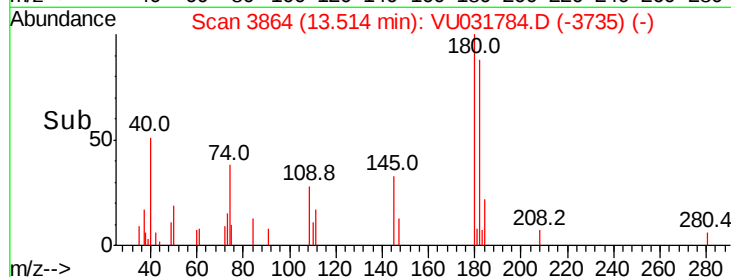
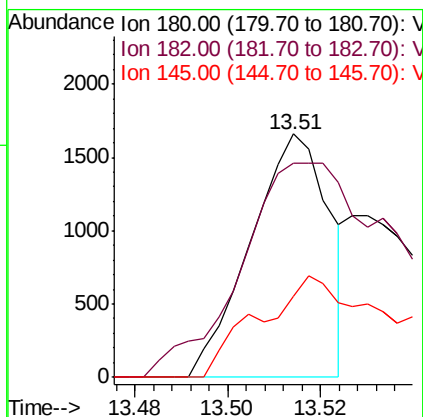
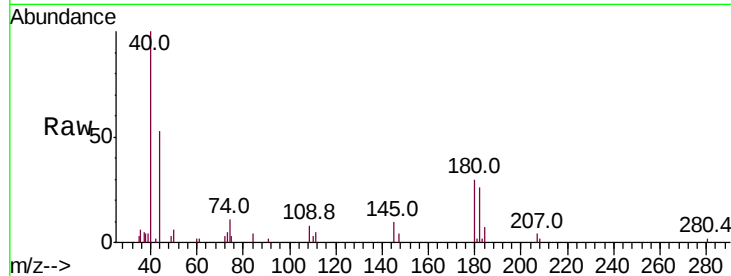




#68
 1,2,4-trichlorobenzene
 Concen: 0.376 ug/L
 RT: 13.51 min Scan# 3864
 Delta R.T. 0.02 min
 Lab File: VU031784.D
 Acq: 06 May 2019 17:07

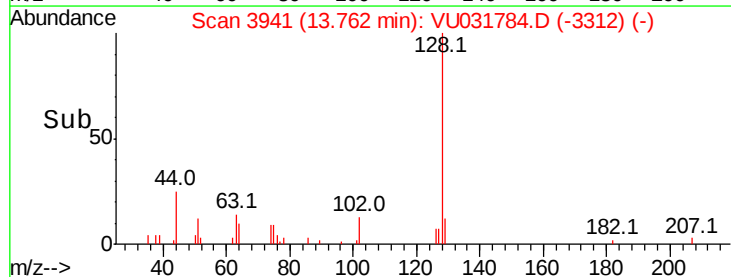
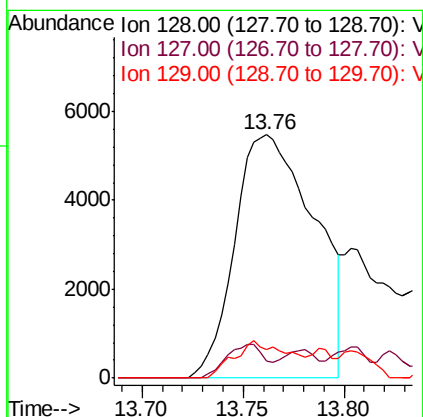
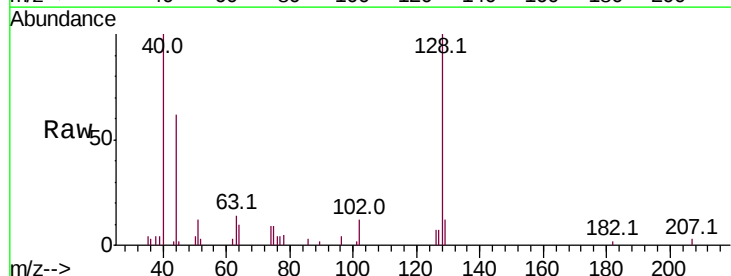
Instrument :
 MSVOA_U
 ClientSampleId :

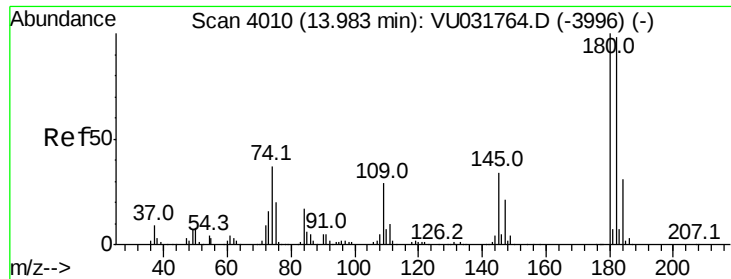
Tot Ion:180 Resp: 1955
 Ion Ratio Lower Upper
 180 100
 182 129.7 75.8 113.8#
 145 32.4 24.5 36.7



#69
 Naphthalene
 Concen: 0.849 ug/L
 RT: 13.76 min Scan# 3941
 Delta R.T. 0.02 min
 Lab File: VU031784.D
 Acq: 06 May 2019 17:07

Tgt Ion:128 Resp: 15051
 Ion Ratio Lower Upper
 128 100
 127 6.8 10.6 15.8#
 129 2.0 8.7 13.1#





#70
 1,2,3-Trichlorobenzene
 Concen: 0.618 ug/L
 RT: 14.00 min Scan# 4016
 Delta R.T. 0.02 min
 Lab File: VU031784.D
 Acq: 06 May 2019 17:07

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:180 Resp: 3659
 Ion Ratio Lower Upper
 180 100
 182 77.5 76.1 114.1
 145 26.7 26.0 39.0

