

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122118\
 Data File : VU028876.D
 Acq On : 21 Dec 2018 16:12
 Operator : MD/SY
 Sample : J6506-20DL 20X
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Dec 21 23:32:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Dec 21 23:27:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	180275	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	167277	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	68879	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	53065	36.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	73.44%
7) Chloroethane-d5	1.67	69	46383	41.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.10%
11) 1,1-Dichloroethene-d2	2.27	63	71515	29.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	58.84%#
21) 2-Butanone-d5	4.18	46	121120	119.62	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	119.62%
24) Chloroform-d	4.65	84	105935	46.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.22%
26) 1,2-Dichloroethane-d4	5.31	65	68333	48.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.56%
32) Benzene-d6	5.34	84	221761	46.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.86%
36) 1,2-Dichloropropane-d6	6.33	67	80669	50.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.50%
41) Toluene-d8	7.57	98	186087	43.45	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.90%
43) trans-1,3-Dichloropropene-	7.85	79	33632	46.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.50%
47) 2-Hexanone-d5	8.31	63	95135	124.77	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	124.77%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	118267	53.10	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.20%
64) 1,2-Dichlorobenzene-d4	11.86	152	70765	50.80	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.60%

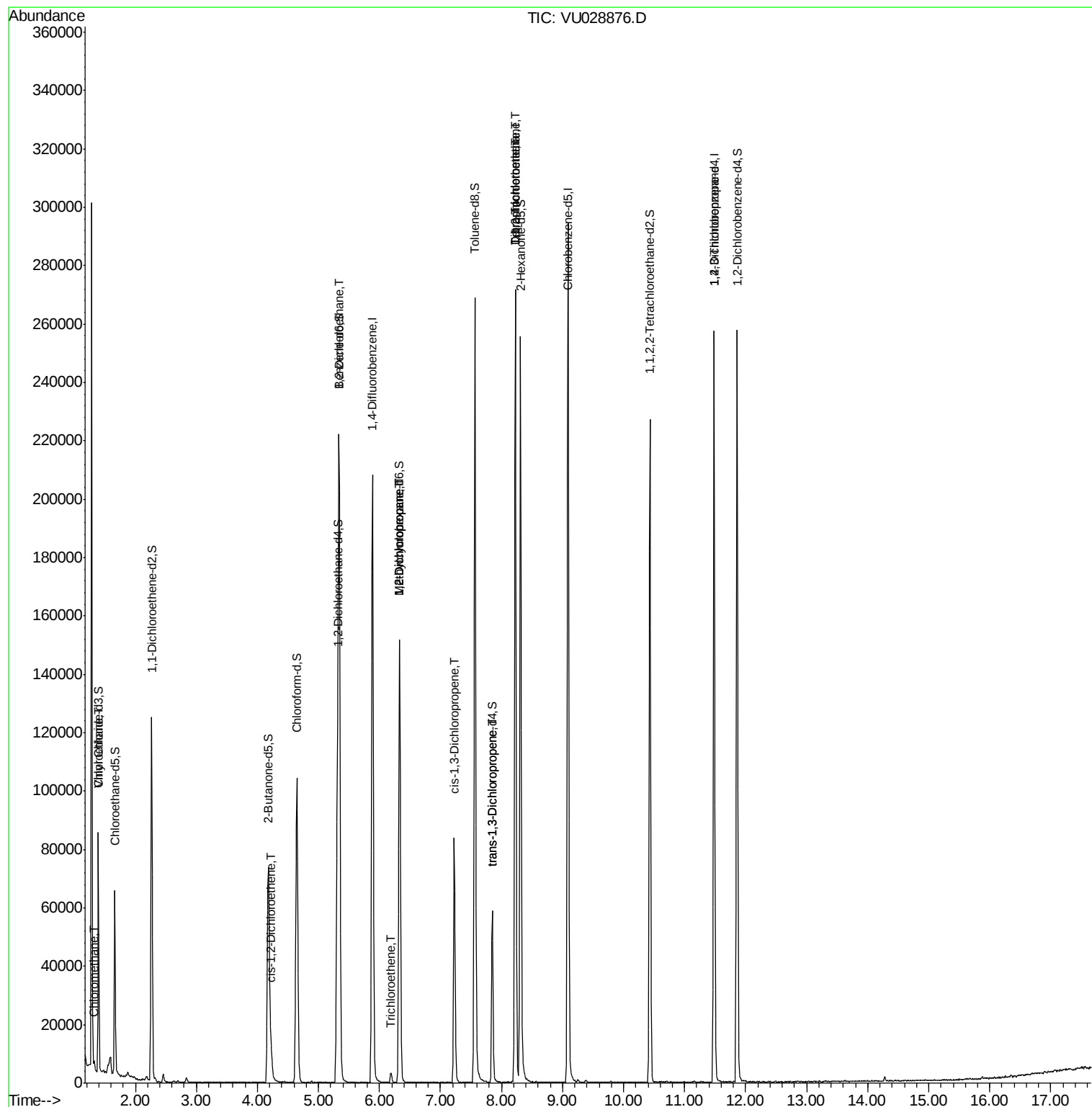
Target Compounds

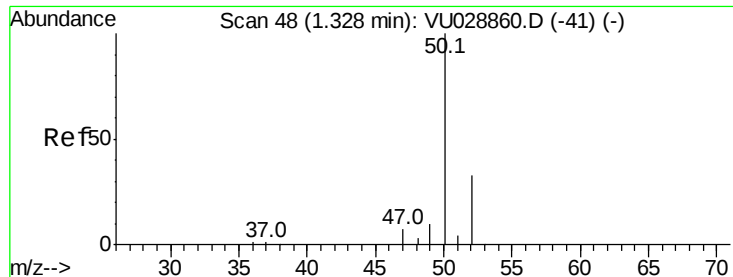
					Ovalue
3) Chloromethane	1.33	50	1986	0.994 ug/L	98
8) Chloroethane	1.40	64	841	0.834 ug/L #	1
20) cis-1,2-Dichloroethene	4.22	96	3514	2.477 ug/L	94
27) 1,2-Dichloroethane	5.34	62	1077	0.625 ug/L #	74
34) Trichloroethene	6.19	95	1416	1.101 ug/L	92
35) Methylcyclohexane	6.33	83	16869	7.878 ug/L #	18
37) 1,2-Dichloropropane	6.33	63	7544	5.068 ug/L #	90
39) cis-1,3-Dichloropropene	7.23	75	1801	0.849 ug/L #	76
44) trans-1,3-Dichloropropene	7.85	75	1183	0.625 ug/L	98
45) 1,1,2-Trichloroethane	8.23	97	478	0.376 ug/L #	1
46) Tetrachloroethene	8.22	164	63096	63.720 ug/L	97
49) Dibromochloromethane	8.22	129	57728	45.533 ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	8293	4.668 ug/L	97

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

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.994 ug/L

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028876.D

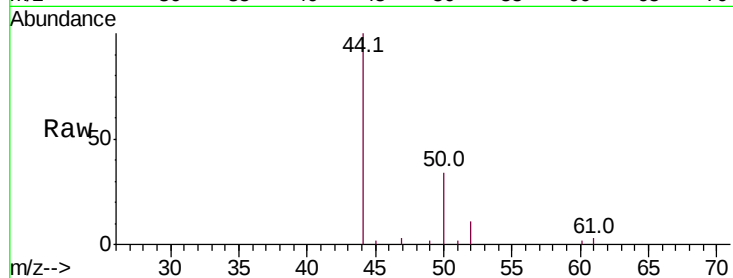
Acq: 21 Dec 2018 16:12

Tot Ion: 50 Resp: 1986

Ion Ratio Lower Upper

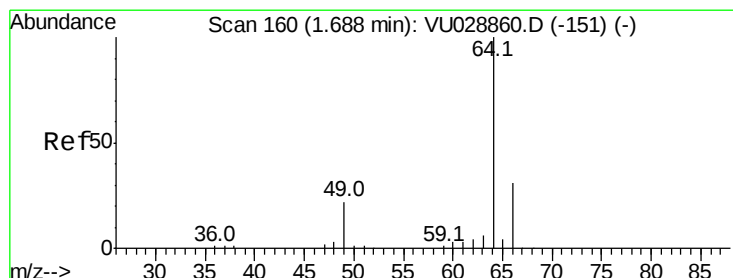
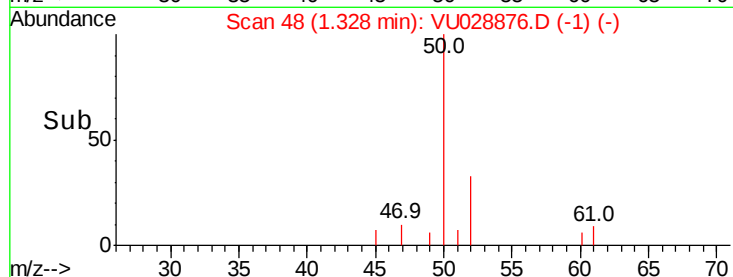
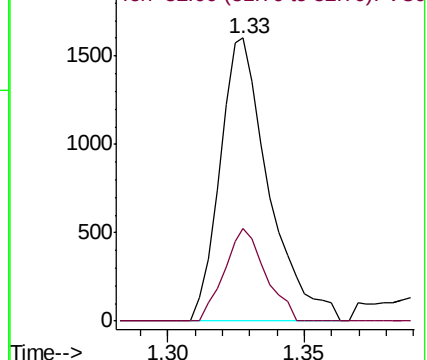
50 100

52 33.0 22.3 41.3



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#8

Chloroethane

Concen: 0.834 ug/L

RT: 1.40 min Scan# 70

Delta R.T. -0.29 min

Lab File: VU028876.D

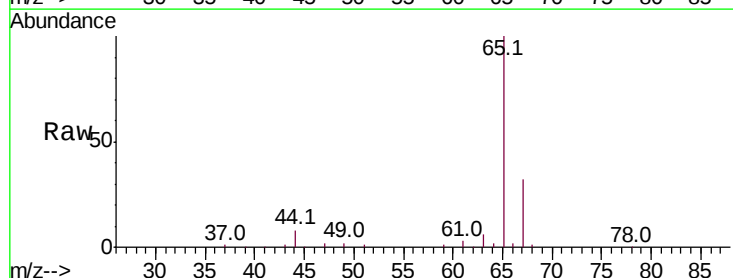
Acq: 21 Dec 2018 16:12

Tgt Ion: 64 Resp: 841

Ion Ratio Lower Upper

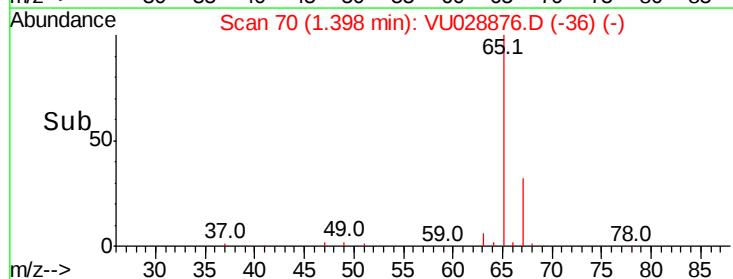
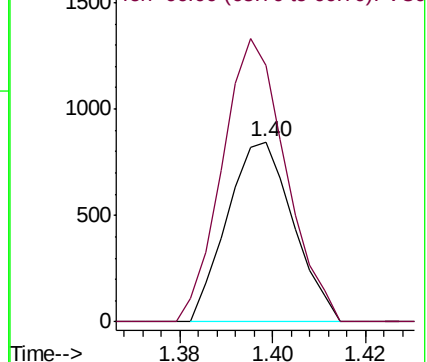
64 100

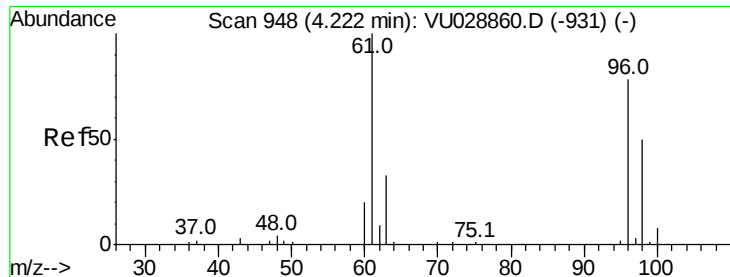
66 142.4 21.5 39.9#



Abundance Ion 64.00 (63.70 to 64.70): VU0

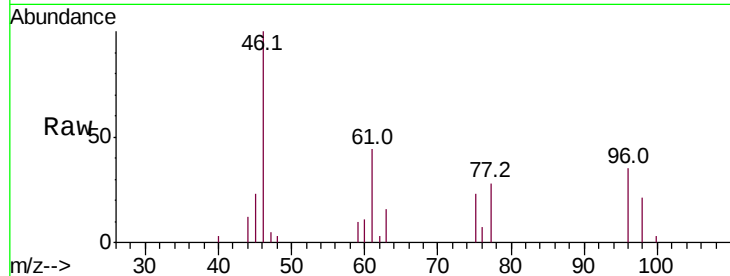
Ion 66.00 (65.70 to 66.70): VU0



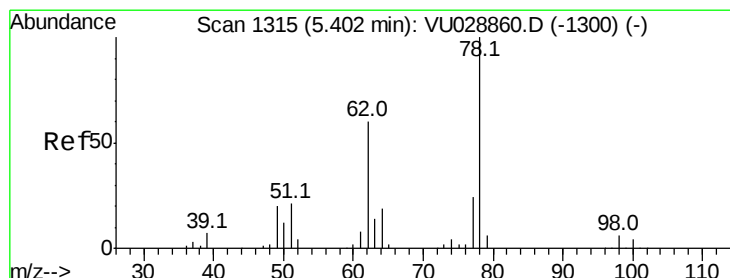
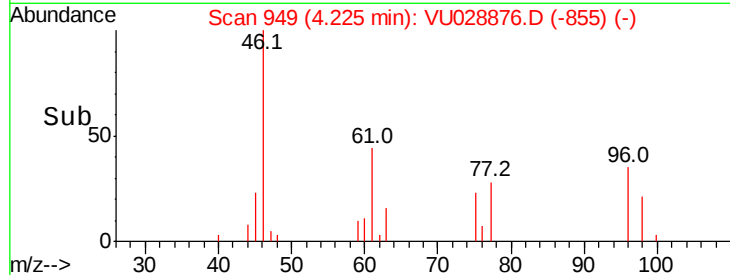
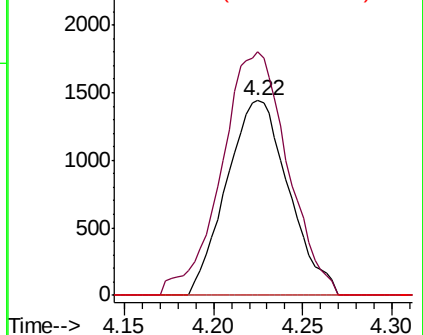


#20
 cis-1,2-Dichloroethene
 Concen: 2.477 ug/L
 RT: 4.22 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: VU028876.D
 Acq: 21 Dec 2018 16:12

Tot Ion: 96 Resp: 3514
 Ion Ratio Lower Upper
 96 100
 61 125.1 92.1 171.1
 68 0.0 0.0 0.0

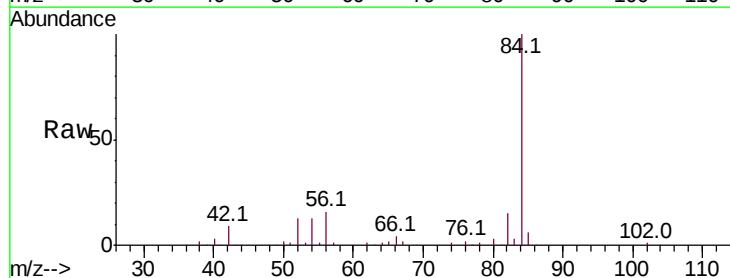


Abundance Ion 96.00 (95.70 to 96.70): VU0
 Ion 61.00 (60.70 to 61.70): VU0
 Ion 68.00 (67.70 to 68.70): VU0

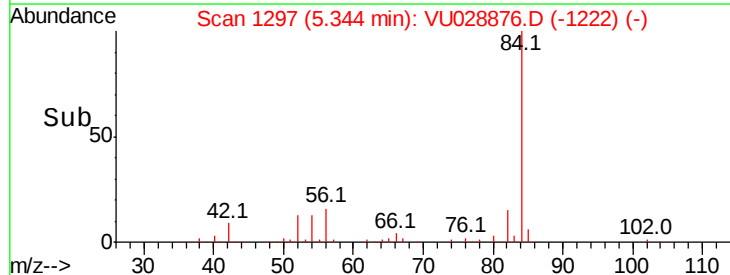
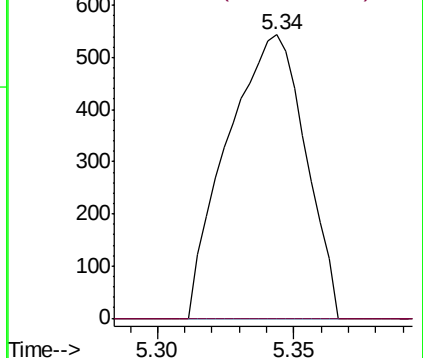


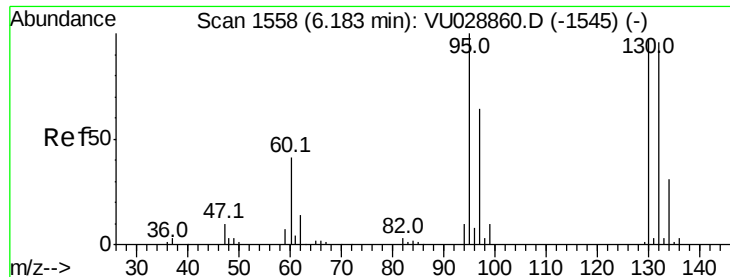
#27
 1,2-Dichloroethane
 Concen: 0.625 ug/L
 RT: 5.34 min Scan# 1297
 Delta R.T. -0.06 min
 Lab File: VU028876.D
 Acq: 21 Dec 2018 16:12

Tgt Ion: 62 Resp: 1077
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.5 11.3#



Abundance Ion 62.00 (61.70 to 62.70): VU0
 Ion 98.00 (97.70 to 98.70): VU0





#34

Trichloroethene

Concen: 1.101 ug/L

RT: 6.19 min Scan# 1560

Delta R.T. 0.01 min

Lab File: VU028876.D

Acq: 21 Dec 2018 16:12

Tot Ion: 95 Resp: 1416

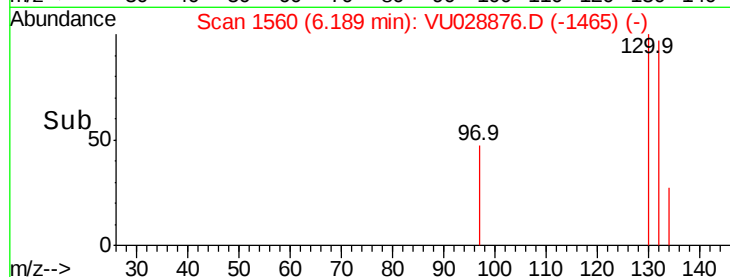
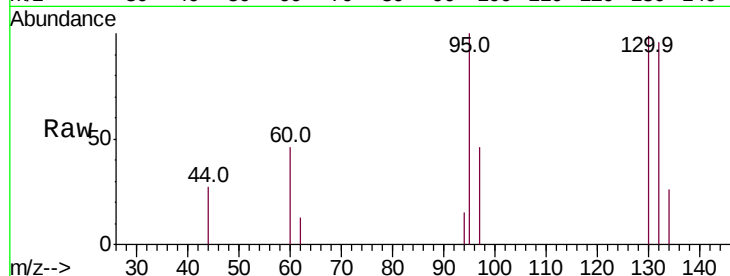
Ion Ratio Lower Upper

95 100

97 46.2 43.3 80.3

132 95.9 64.2 119.2

130 99.0 67.1 124.7

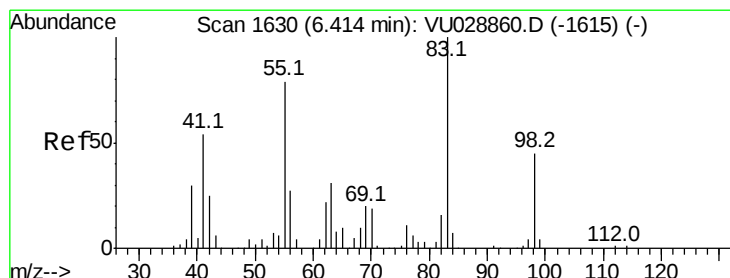
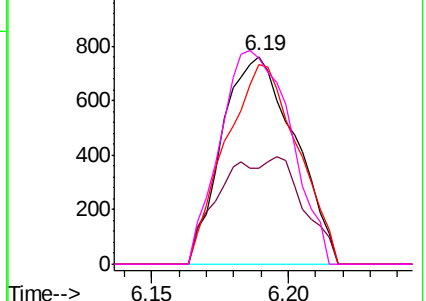


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 7.878 ug/L

RT: 6.33 min Scan# 1603

Delta R.T. -0.09 min

Lab File: VU028876.D

Acq: 21 Dec 2018 16:12

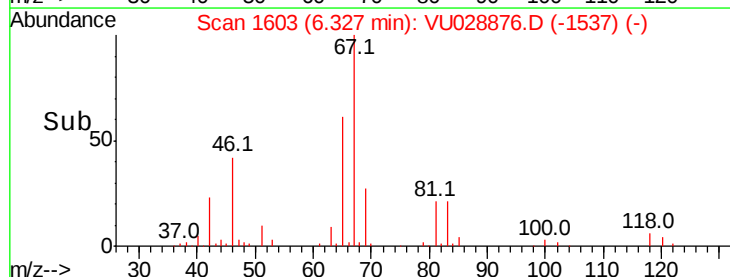
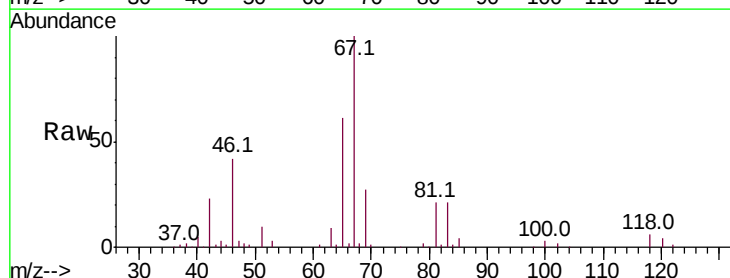
Tgt Ion: 83 Resp: 16869

Ion Ratio Lower Upper

83 100

55 0.0 63.7 95.5#

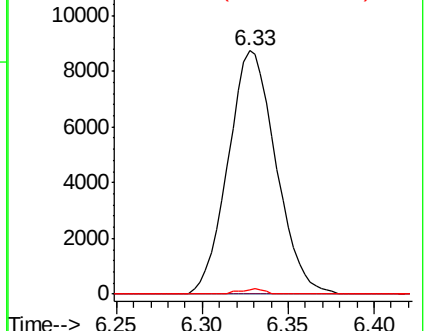
98 0.7 35.6 53.4#

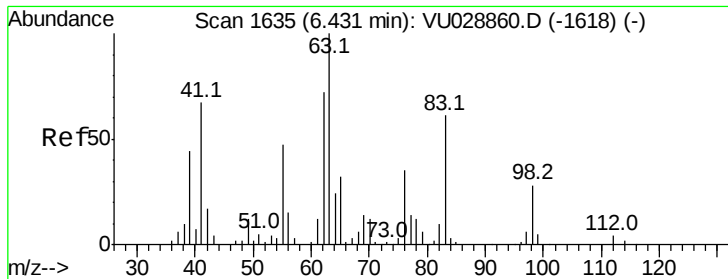


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 5.068 ug/L

RT: 6.33 min Scan# 1603

Delta R.T. -0.10 min

Lab File: VU028876.D

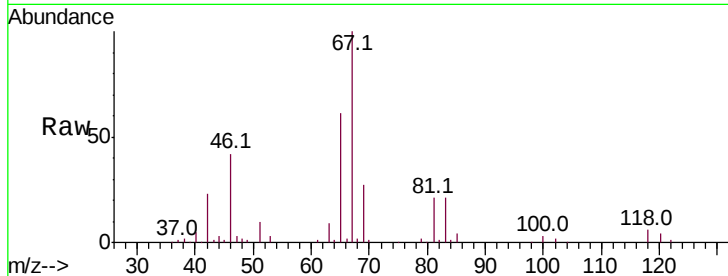
Acq: 21 Dec 2018 16:12

Tot Ion: 63 Resp: 7544

Ion Ratio Lower Upper

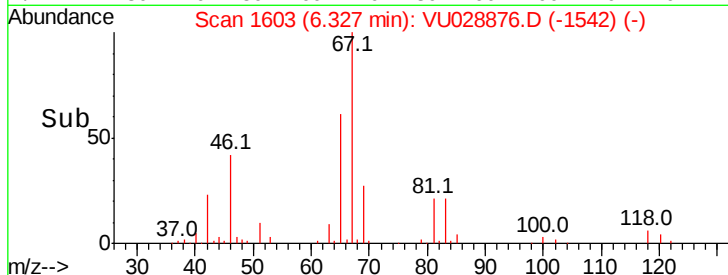
63 100

112 0.0 2.7 4.1#

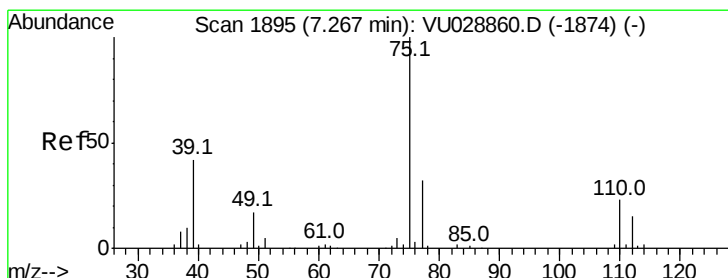


Abundance Ion 63.00 (62.70 to 63.70): VU0

Ion 112.00 (111.70 to 112.70): V



Time-->



#39

cis-1,3-Dichloropropene

Concen: 0.849 ug/L

RT: 7.23 min Scan# 1883

Delta R.T. -0.04 min

Lab File: VU028876.D

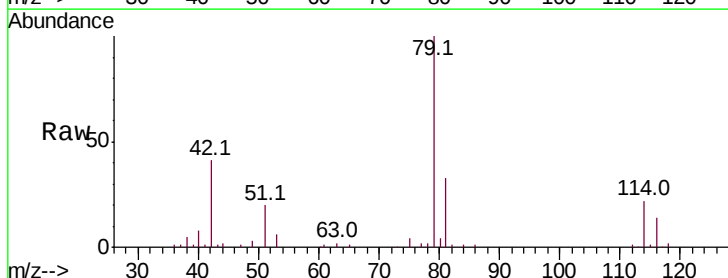
Acq: 21 Dec 2018 16:12

Tgt Ion: 75 Resp: 1801

Ion Ratio Lower Upper

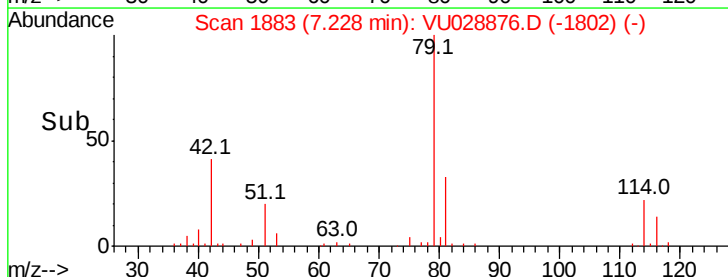
75 100

77 44.6 21.8 40.6#

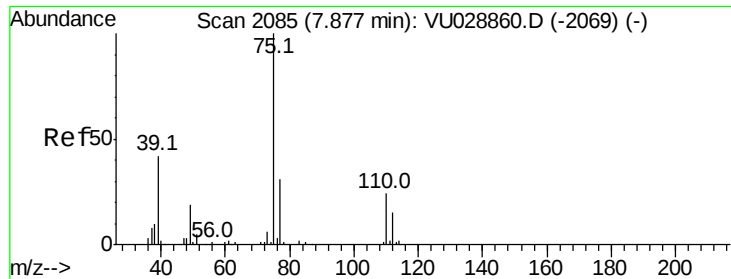


Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.625 ug/L

RT: 7.85 min Scan# 2076

Delta R.T. -0.03 min

Lab File: VU028876.D

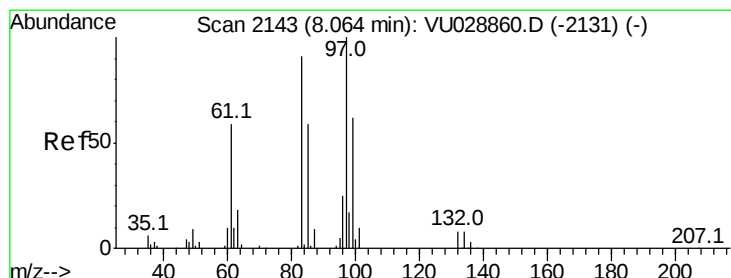
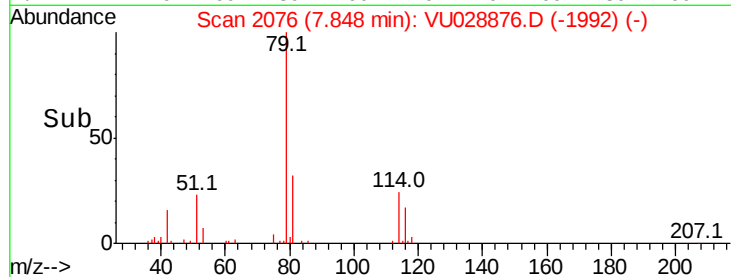
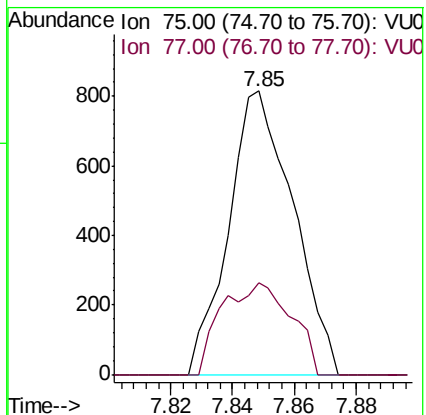
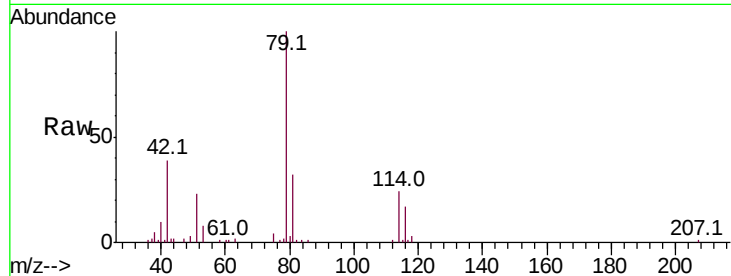
Acq: 21 Dec 2018 16:12

Tot Ion: 75 Resp: 1183

Ion Ratio Lower Upper

75 100

77 32.3 21.8 40.6



#45

1,1,2-Trichloroethane

Concen: 0.376 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. 0.16 min

Lab File: VU028876.D

Acq: 21 Dec 2018 16:12

Tgt Ion: 97 Resp: 478

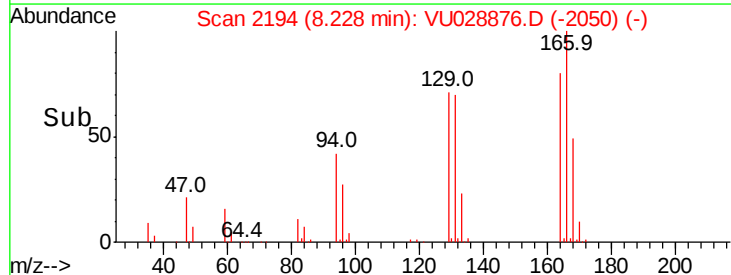
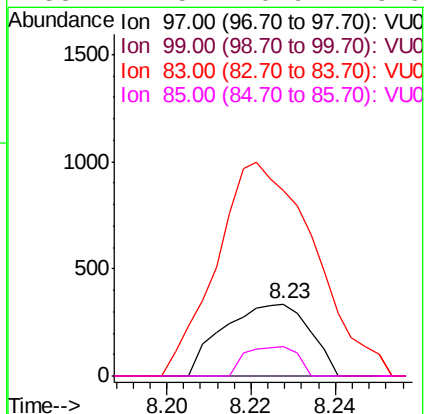
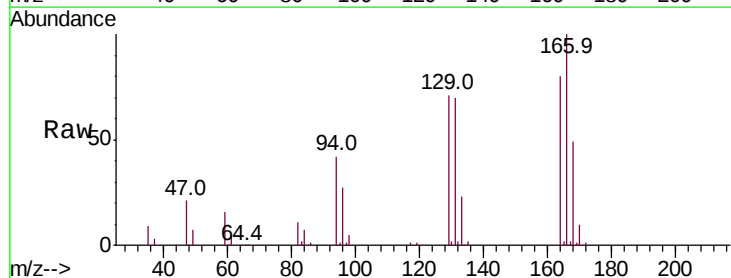
Ion Ratio Lower Upper

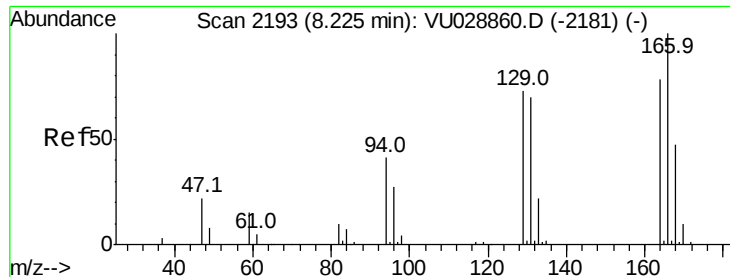
97 100

99 0.0 44.2 82.2#

83 257.3 64.5 119.9#

85 41.5 40.9 75.9





#46

Tetrachloroethene

Concen: 63.720 ug/L

RT: 8.22 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU028876.D

Acq: 21 Dec 2018 16:12

Tot Ion:164 Resp: 63096

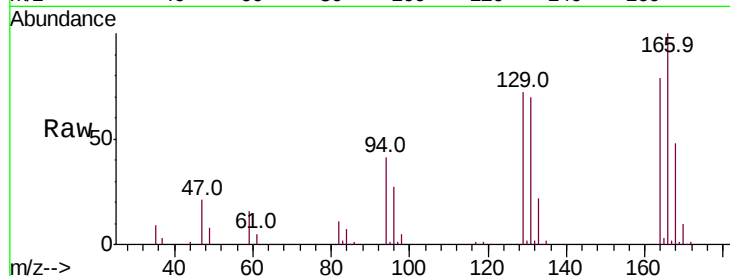
Ion Ratio Lower Upper

164 100

129 91.2 66.8 124.0

131 88.5 64.2 119.2

166 126.2 90.8 168.6

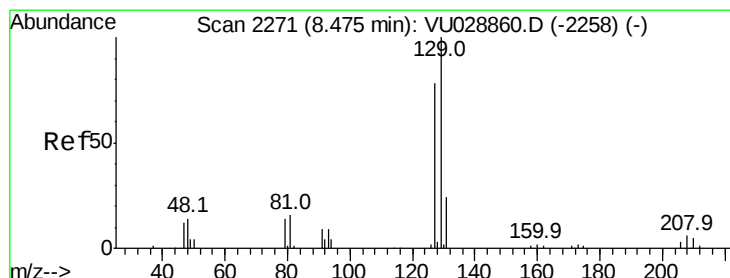
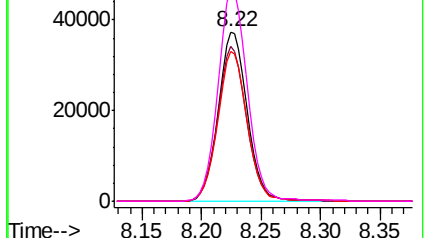
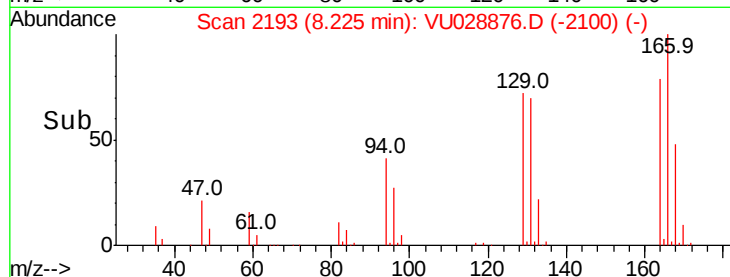


Abundance Ion 164.00 (163.70 to 164.70): V

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



#49

Dibromochloromethane

Concen: 45.533 ug/L

RT: 8.22 min Scan# 2193

Delta R.T. -0.25 min

Lab File: VU028876.D

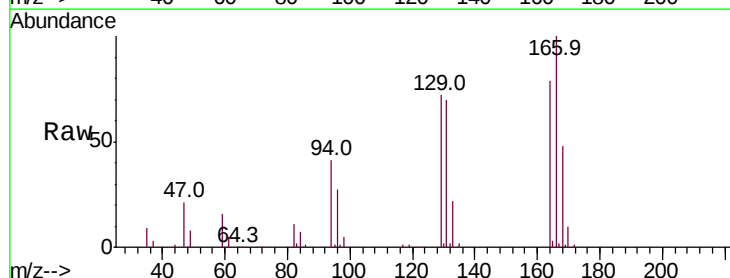
Acq: 21 Dec 2018 16:12

Tgt Ion:129 Resp: 57728

Ion Ratio Lower Upper

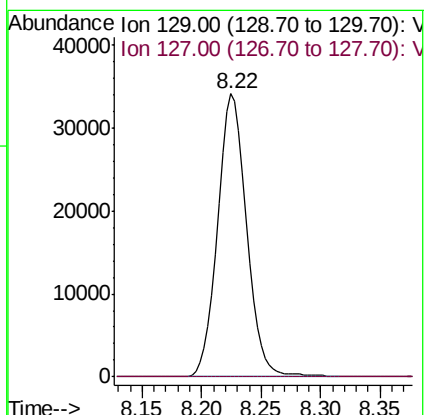
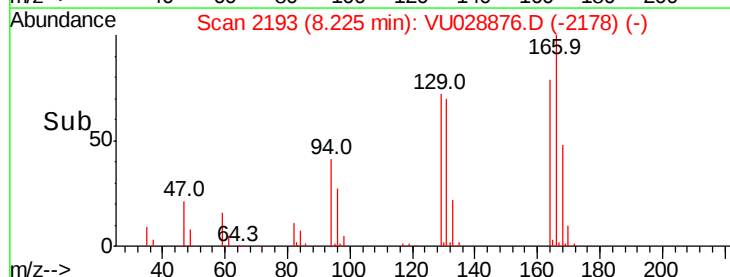
129 100

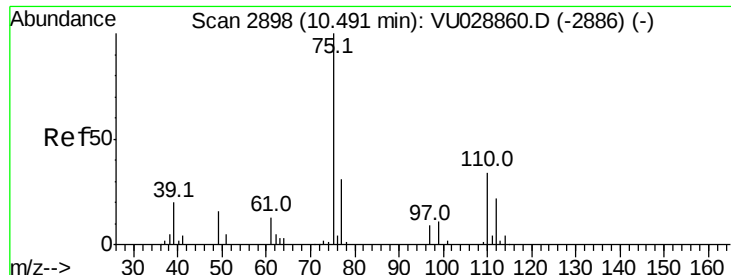
127 0.0 54.1 100.5#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#59

1,2,3-Trichloropropane
 Concen: 4.668 ug/L
 RT: 11.48 min Scan# 3207
 Delta R.T. 0.99 min
 Lab File: VU028876.D
 Acq: 21 Dec 2018 16:12

Tot Ion: 75 Resp: 8293
 Ion Ratio Lower Upper
 75 100
 77 33.4 25.5 38.3

