

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122118\
 Data File : VU028866.D
 Acq On : 21 Dec 2018 12:08
 Operator : MD/SY
 Sample : J6468-09ME
 Misc : 3.58g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Dec 21 23:31:04 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	206145	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	201452	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	93928	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.39	65	48250	29.20	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	58.40%#
7) Chloroethane-d5	1.64	69	29156	22.84	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	45.68%#
11) 1,1-Dichloroethene-d2	2.30	63	39	0.01	ug/L	0.03
Spiked Amount	50.000	Range	60 - 125	Recovery	=	0.02%#
21) 2-Butanone-d5	4.20	46	95965	82.88	ug/L	0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	82.88%
24) Chloroform-d	4.64	84	93256	35.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	71.76%
26) 1,2-Dichloroethane-d4	5.30	65	59251	36.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	73.98%
32) Benzene-d6	5.33	84	196134	34.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	68.92%#
36) 1,2-Dichloropropane-d6	6.33	67	69623	36.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	72.02%
41) Toluene-d8	7.56	98	169523	32.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	65.74%#
43) trans-1,3-Dichloropropene-	7.85	79	31009	35.79	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.58%
47) 2-Hexanone-d5	8.32	63	82101	89.41	ug/L	0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.41%
57) 1,1,2,2-Tetrachloroethane-	10.44	84	113377	42.27	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.54%
64) 1,2-Dichlorobenzene-d4	11.86	152	71947	37.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	75.74%#

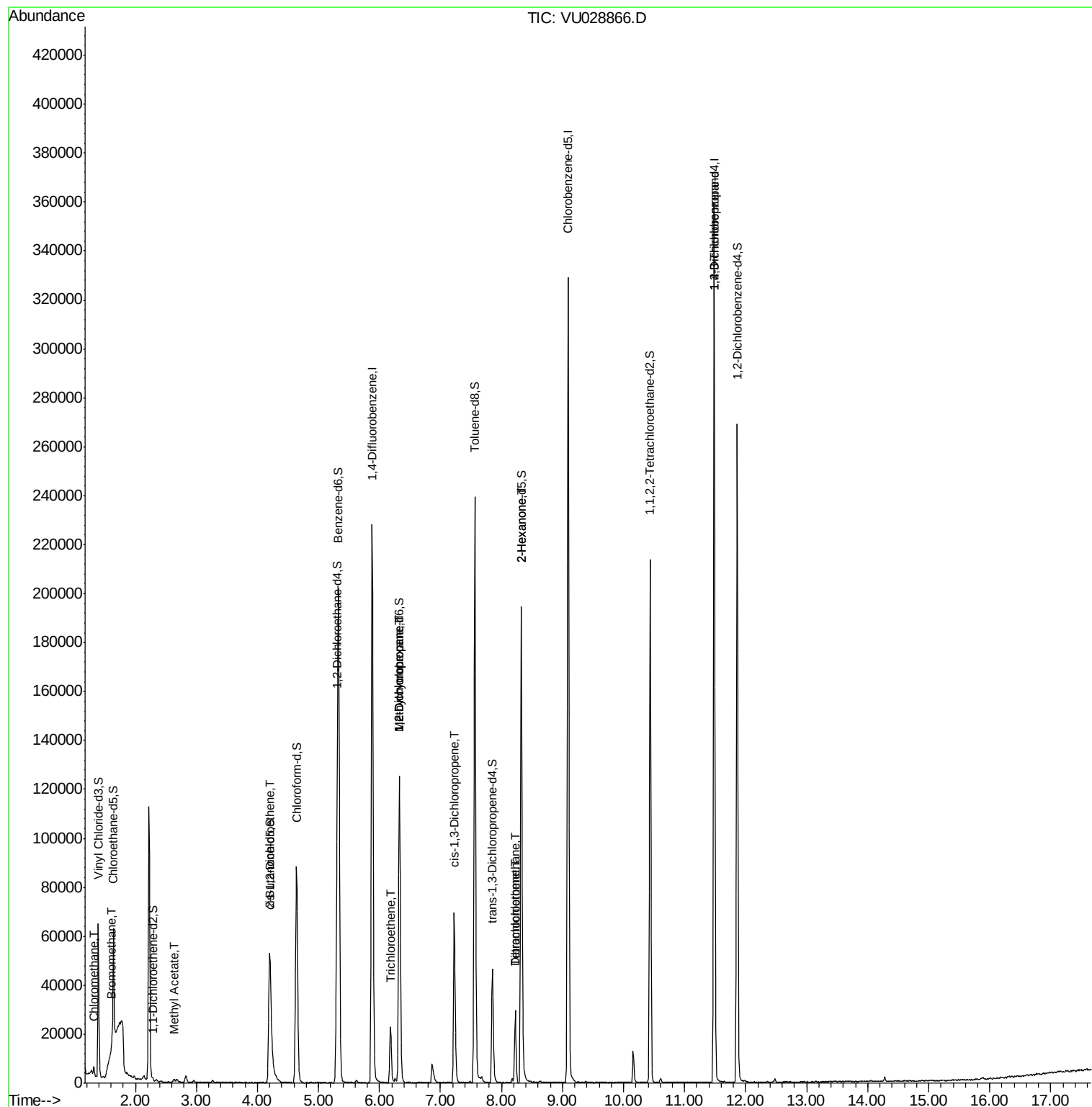
Target Compounds

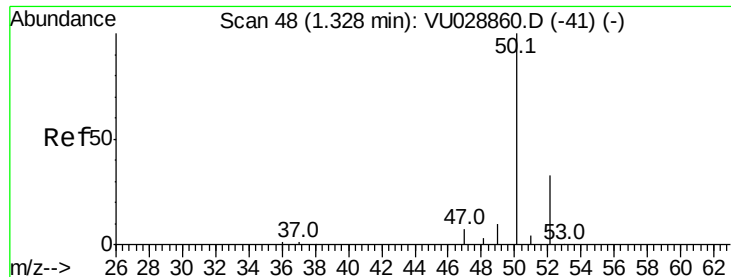
					Ovalue
3) Chloromethane	1.32	50	3001	1.313 ug/L	93
6) Bromomethane	1.60	94	647	0.752 ug/L	100
15) Methyl Acetate	2.64	43	2084	1.133 ug/L #	86
20) cis-1,2-Dichloroethene	4.22	96	8022	4.945 ug/L	99
34) Trichloroethene	6.18	95	8488	5.482 ug/L	97
35) Methylcyclohexane	6.32	83	14804	5.741 ug/L #	18
37) 1,2-Dichloropropane	6.33	63	6502	3.627 ug/L #	90
39) cis-1,3-Dichloropropene	7.22	75	1484	0.581 ug/L #	62
46) Tetrachloroethene	8.22	164	7156	6.001 ug/L	96
48) 2-Hexanone	8.32	43	8817	4.458 ug/L #	64
49) Dibromochloromethane	8.23	129	6792	4.448 ug/L #	11
59) 1,2,3-Trichloropropane	11.48	75	11439	5.347 ug/L	94

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

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#3

Chloromethane

Concen: 1.313 ug/L

RT: 1.32 min Scan# 46

Delta R.T. -0.01 min

Lab File: VU028866.D

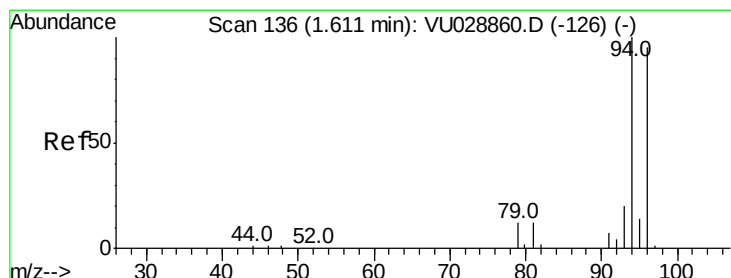
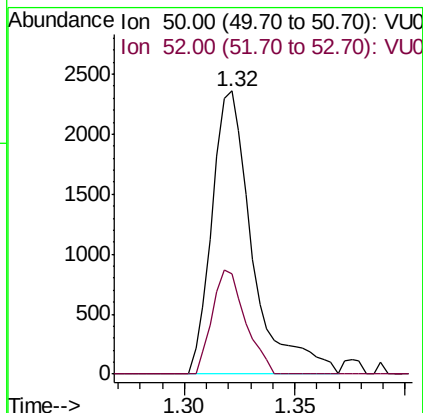
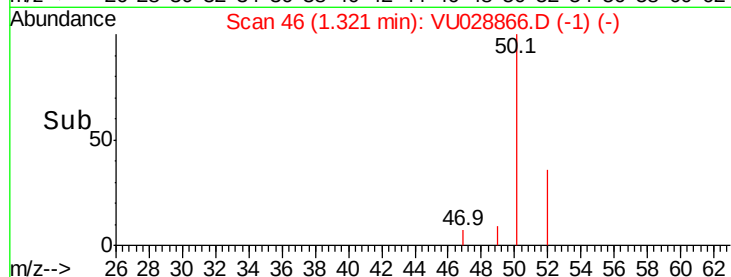
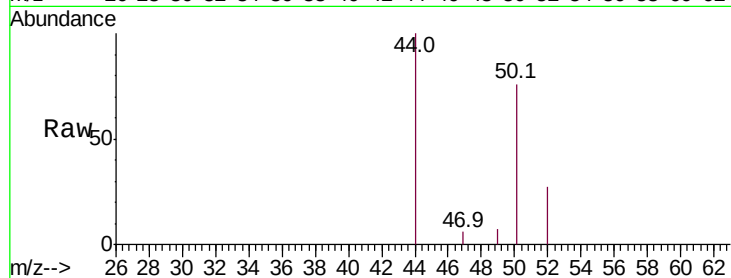
Acq: 21 Dec 2018 12:08

Tot Ion: 50 Resp: 3001

Ion Ratio Lower Upper

50 100

52 35.6 22.3 41.3



#6

Bromomethane

Concen: 0.752 ug/L

RT: 1.60 min Scan# 133

Delta R.T. -0.01 min

Lab File: VU028866.D

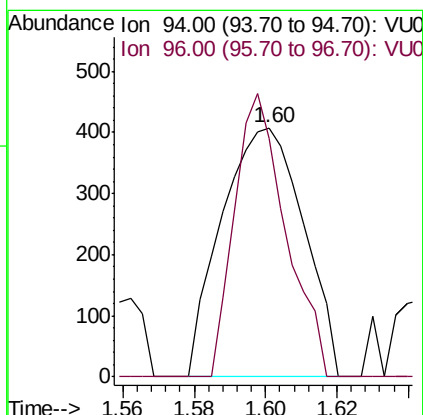
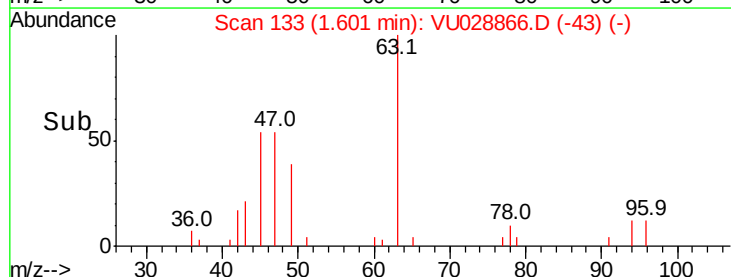
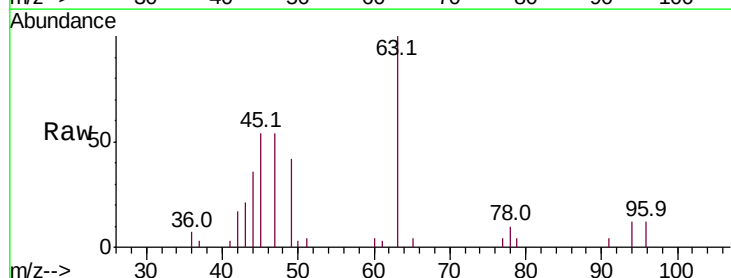
Acq: 21 Dec 2018 12:08

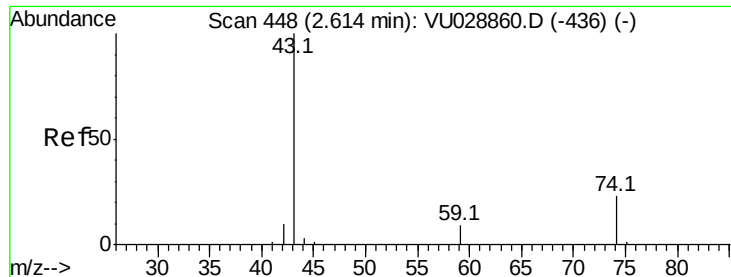
Tgt Ion: 94 Resp: 647

Ion Ratio Lower Upper

94 100

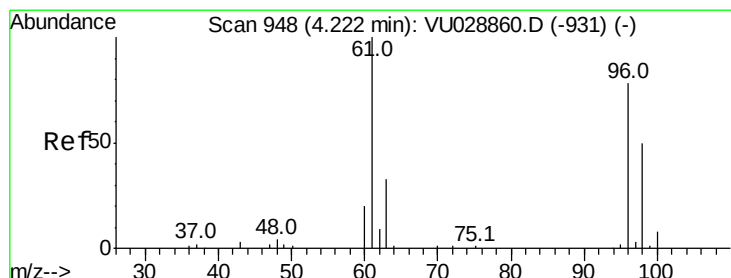
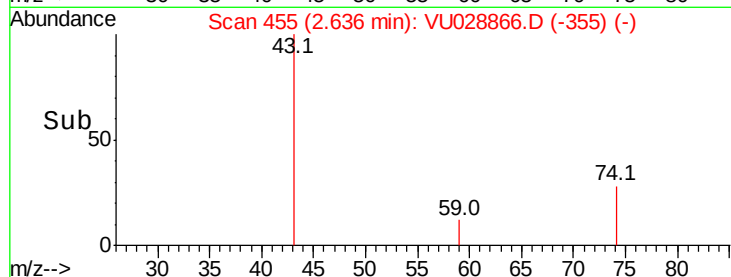
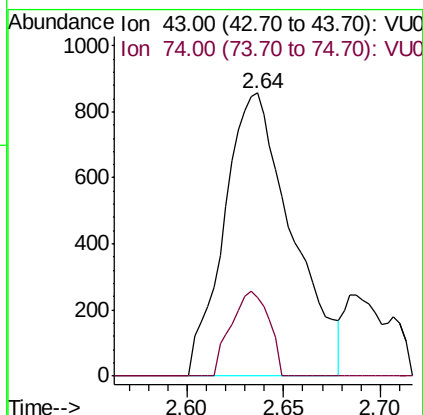
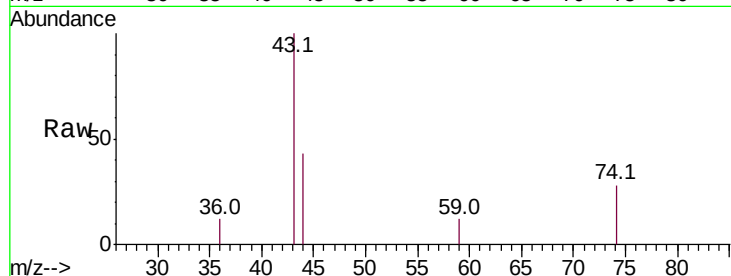
96 95.8 67.3 125.1





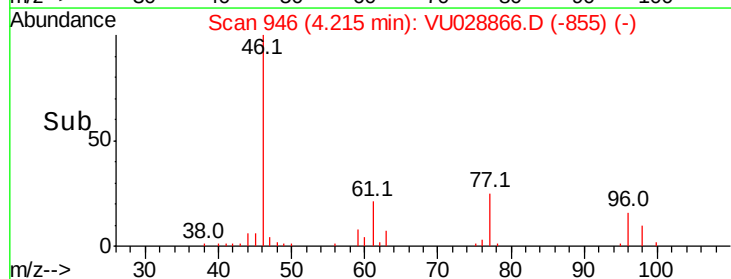
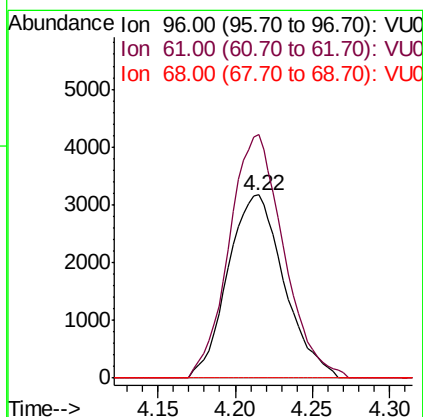
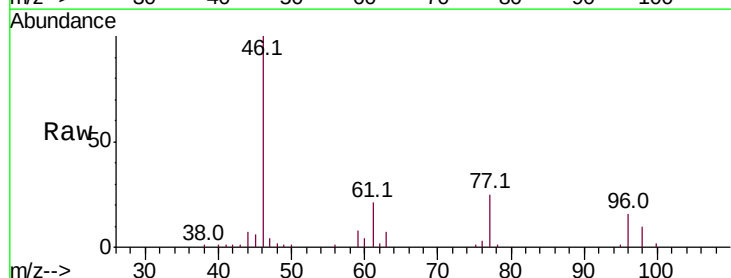
#15
Methyl Acetate
Concen: 1.133 ug/L
RT: 2.64 min Scan# 455
Delta R.T. 0.02 min
Lab File: VU028866.D
Acq: 21 Dec 2018 12:08

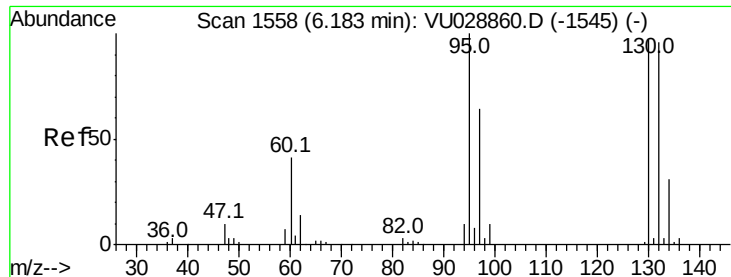
Tot Ion: 43 Resp: 2084
Ion Ratio Lower Upper
43 100
74 16.8 19.0 28.4#



#20
cis-1,2-Dichloroethene
Concen: 4.945 ug/L
RT: 4.22 min Scan# 946
Delta R.T. -0.01 min
Lab File: VU028866.D
Acq: 21 Dec 2018 12:08

Tgt Ion: 96 Resp: 8022
Ion Ratio Lower Upper
96 100
61 133.1 92.1 171.1
68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 5.482 ug/L

RT: 6.18 min Scan# 1557

Delta R.T. -0.00 min

Lab File: VU028866.D

Acq: 21 Dec 2018 12:08

Tot Ion: 95 Resp: 8488

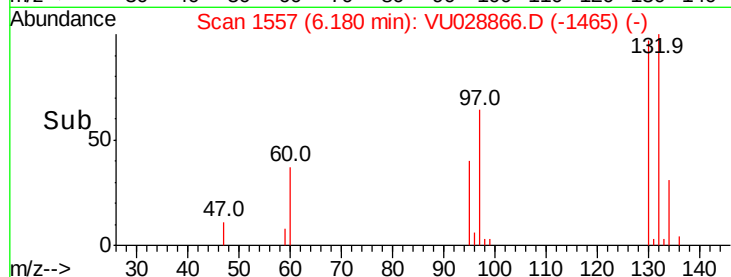
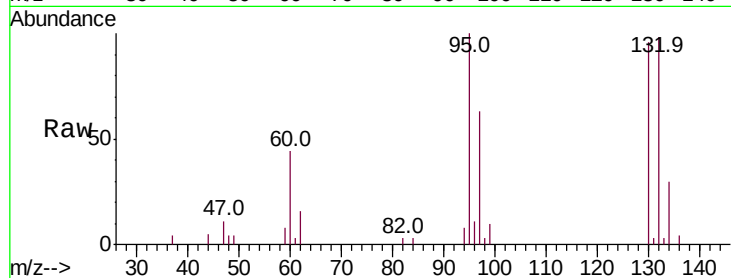
Ion Ratio Lower Upper

95 100

97 62.8 43.3 80.3

132 98.1 64.2 119.2

130 95.6 67.1 124.7

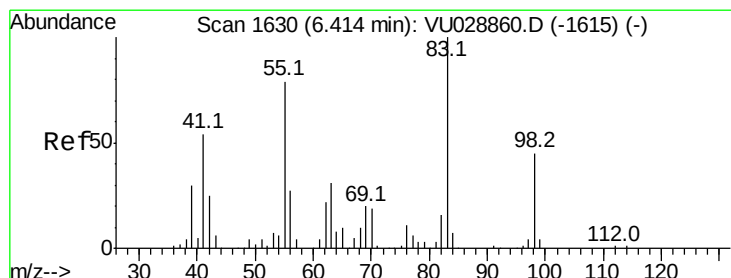
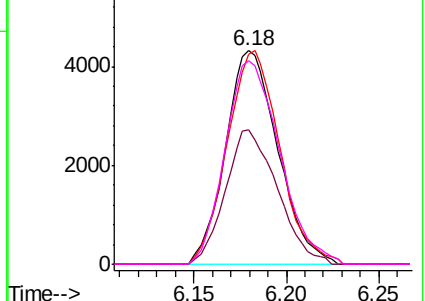


Abundance Ion 95.00 (94.70 to 95.70): VU0

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: 5.741 ug/L

RT: 6.32 min Scan# 1602

Delta R.T. -0.09 min

Lab File: VU028866.D

Acq: 21 Dec 2018 12:08

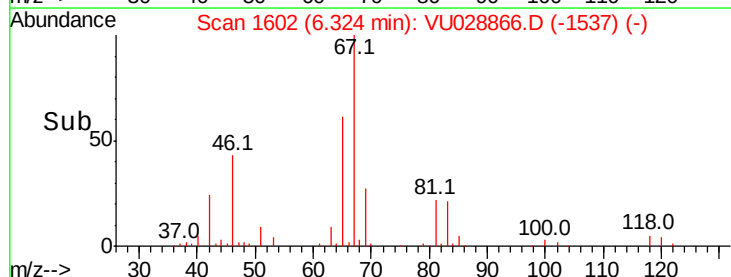
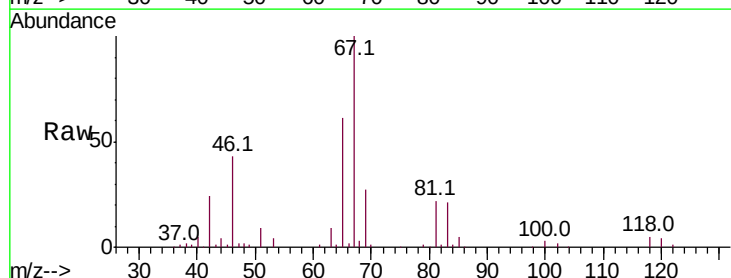
Tgt Ion: 83 Resp: 14804

Ion Ratio Lower Upper

83 100

55 0.0 63.7 95.5#

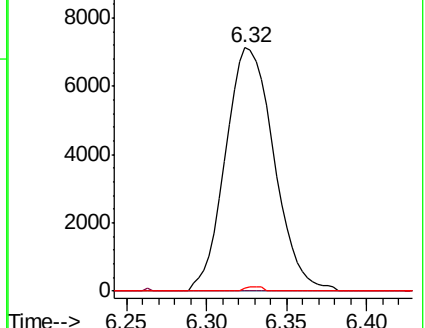
98 0.6 35.6 53.4#

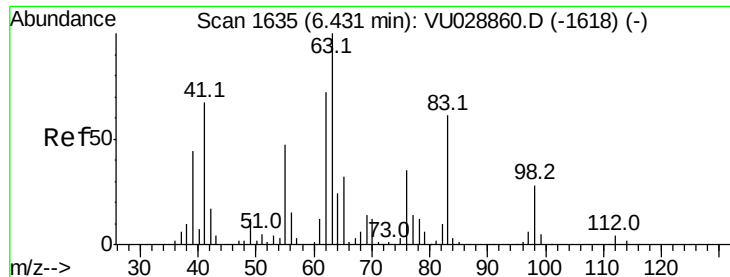


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

Ion 98.00 (97.70 to 98.70): VU0





#37

1,2-Dichloropropane

Concen: 3.627 ug/L

RT: 6.33 min Scan# 1603

Delta R.T. -0.10 min

Lab File: VU028866.D

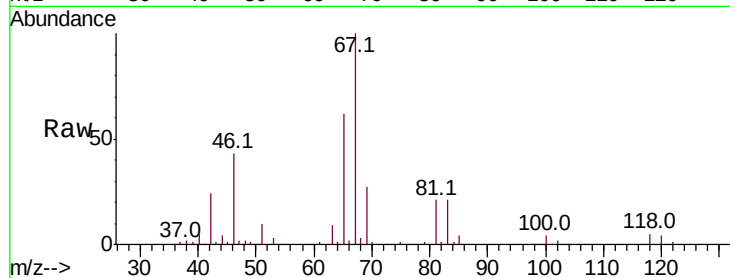
Acq: 21 Dec 2018 12:08

Tot Ion: 63 Resp: 6502

Ion Ratio Lower Upper

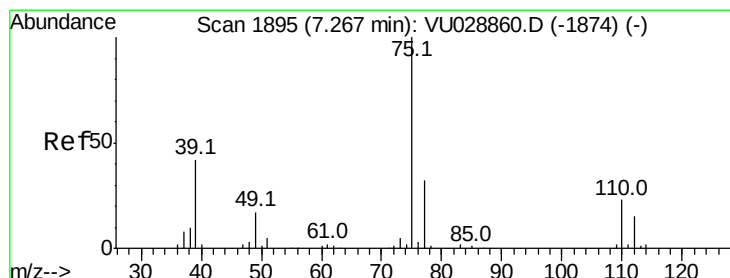
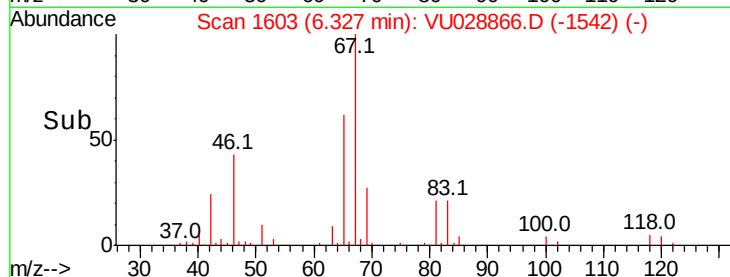
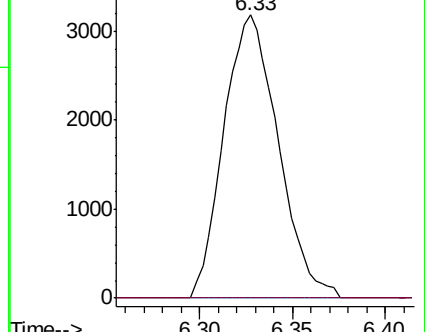
63 100

112 0.0 2.7 4.1#



Abundance Ion 63.00 (62.70 to 63.70): VU028866.D (-1618) (-)

Ion 112.00 (111.70 to 112.70): VU028866.D (-1618) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.581 ug/L

RT: 7.22 min Scan# 1882

Delta R.T. -0.04 min

Lab File: VU028866.D

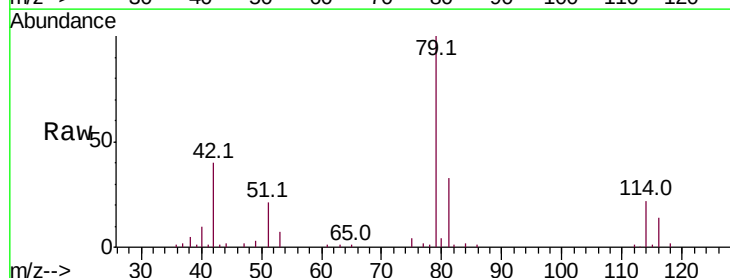
Acq: 21 Dec 2018 12:08

Tgt Ion: 75 Resp: 1484

Ion Ratio Lower Upper

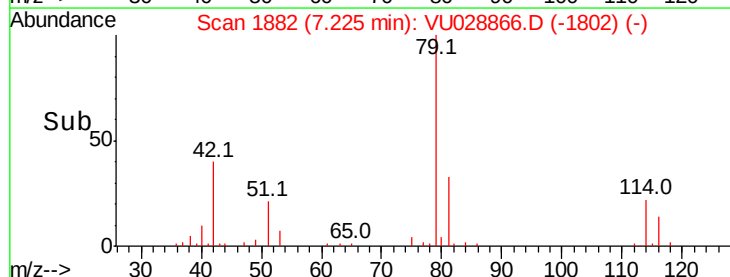
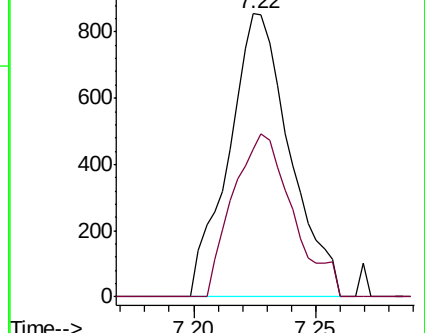
75 100

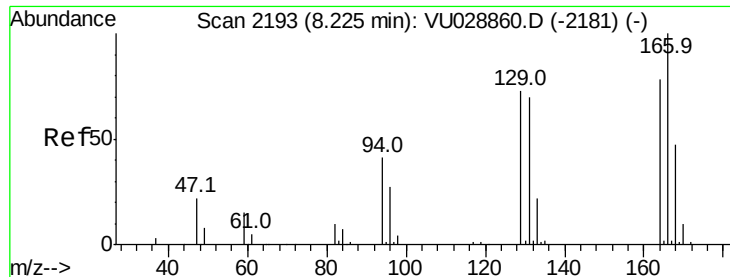
77 52.0 21.8 40.6#



Abundance Ion 75.00 (74.70 to 75.70): VU028866.D (-1874) (-)

Ion 77.00 (76.70 to 77.70): VU028866.D (-1874) (-)





#46

Tetrachloroethene

Concen: 6.001 ug/L

RT: 8.22 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VU028866.D

Acq: 21 Dec 2018 12:08

Tot Ion:164 Resp: 7156

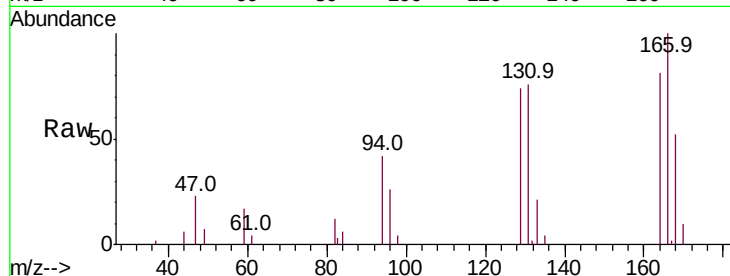
Ion Ratio Lower Upper

164 100

129 91.5 66.8 124.0

131 93.3 64.2 119.2

166 123.5 90.8 168.6

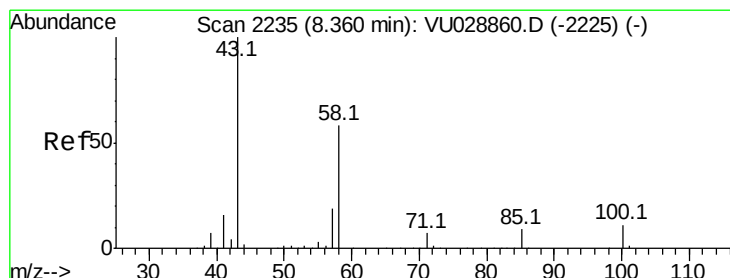
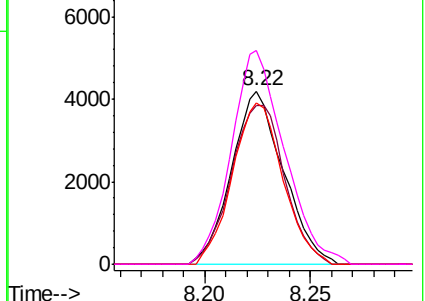
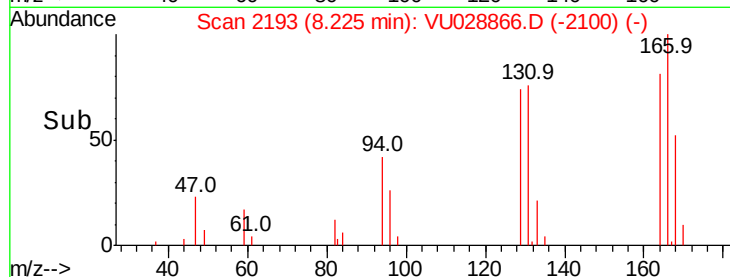


Abundance Ion 164.00 (163.70 to 164.70): V

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



#48

2-Hexanone

Concen: 4.458 ug/L

RT: 8.32 min Scan# 2224

Delta R.T. -0.04 min

Lab File: VU028866.D

Acq: 21 Dec 2018 12:08

Tgt Ion: 43 Resp: 8817

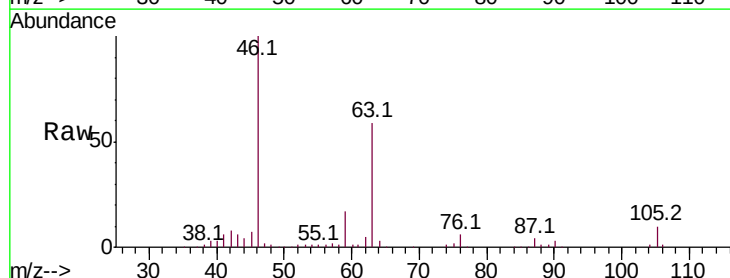
Ion Ratio Lower Upper

43 100

58 24.9 45.9 68.9#

57 25.1 15.0 22.4#

100 0.0 8.7 13.1#

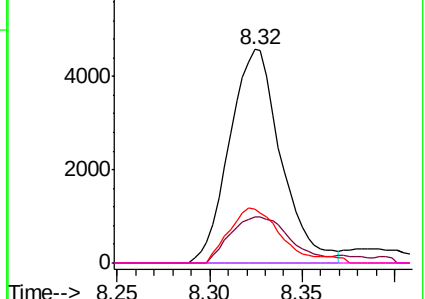
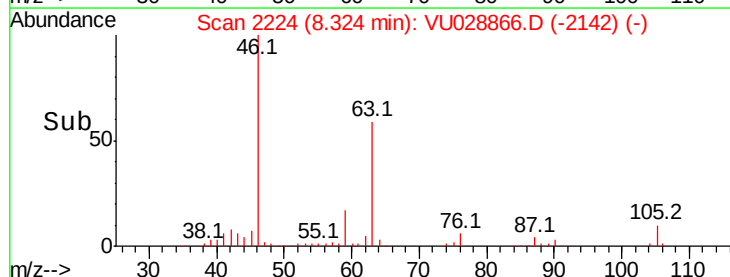


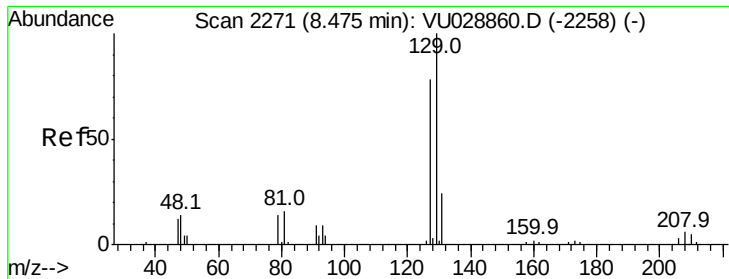
Abundance Ion 43.00 (42.70 to 43.70): VU0

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





#49

Dibromochloromethane

Concen: 4.448 ug/L

RT: 8.23 min Scan# 2194

Delta R.T. -0.25 min

Lab File: VU028866.D

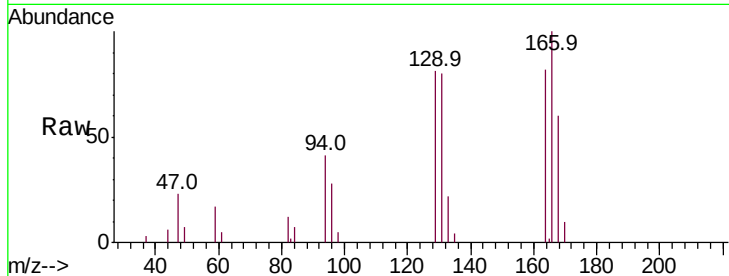
Acq: 21 Dec 2018 12:08

Tot Ion:129 Resp: 6792

Ion Ratio Lower Upper

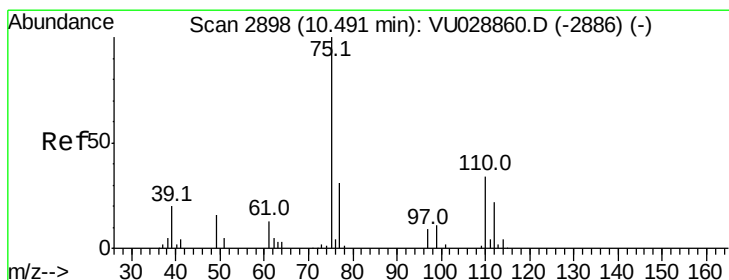
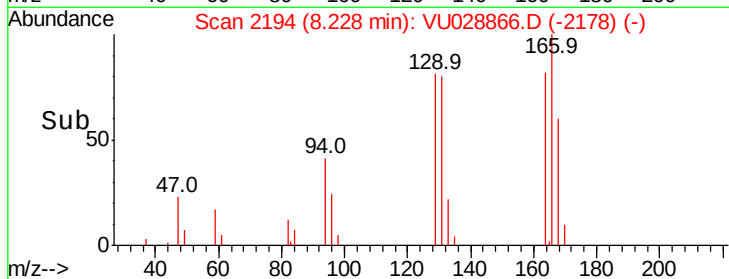
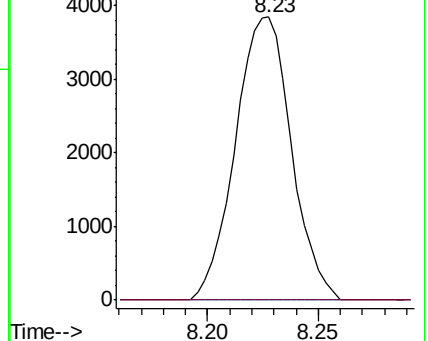
129 100

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: 5.347 ug/L

RT: 11.48 min Scan# 3207

Delta R.T. 0.99 min

Lab File: VU028866.D

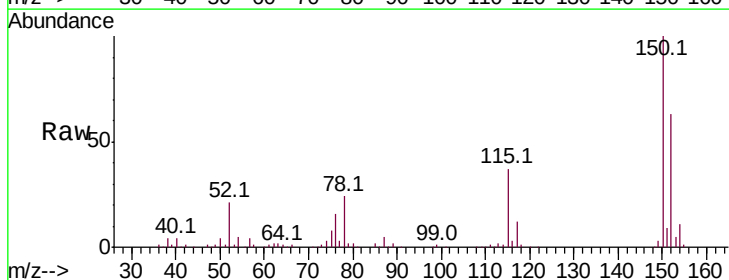
Acq: 21 Dec 2018 12:08

Tgt Ion: 75 Resp: 11439

Ion Ratio Lower Upper

75 100

77 35.1 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

