

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122118\
 Data File : VU028865.D
 Acq On : 21 Dec 2018 11:44
 Operator : MD/SY
 Sample : J6513-15
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 21 23:30:56 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	151577	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	141461	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	57936	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	58336	48.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.02%
7) Chloroethane-d5	1.67	69	49233	52.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	104.90%
11) 1,1-Dichloroethene-d2	2.27	63	80030	39.16	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	78.32%
21) 2-Butanone-d5	4.18	46	118291	138.94	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	138.94%#
24) Chloroform-d	4.65	84	110232	57.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	115.38%
26) 1,2-Dichloroethane-d4	5.31	65	71308	60.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	121.08%
32) Benzene-d6	5.34	84	238362	59.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	119.28%
36) 1,2-Dichloropropane-d6	6.33	67	84456	62.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	124.42%#
41) Toluene-d8	7.57	98	202863	56.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	112.02%
43) trans-1,3-Dichloropropene-	7.85	79	35460	58.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	116.58%
47) 2-Hexanone-d5	8.31	63	91776	142.33	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	142.33%#
57) 1,1,2,2-Tetrachloroethane-	10.43	84	118319	62.82	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	125.64%#
64) 1,2-Dichlorobenzene-d4	11.86	152	73890	63.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	126.12%#

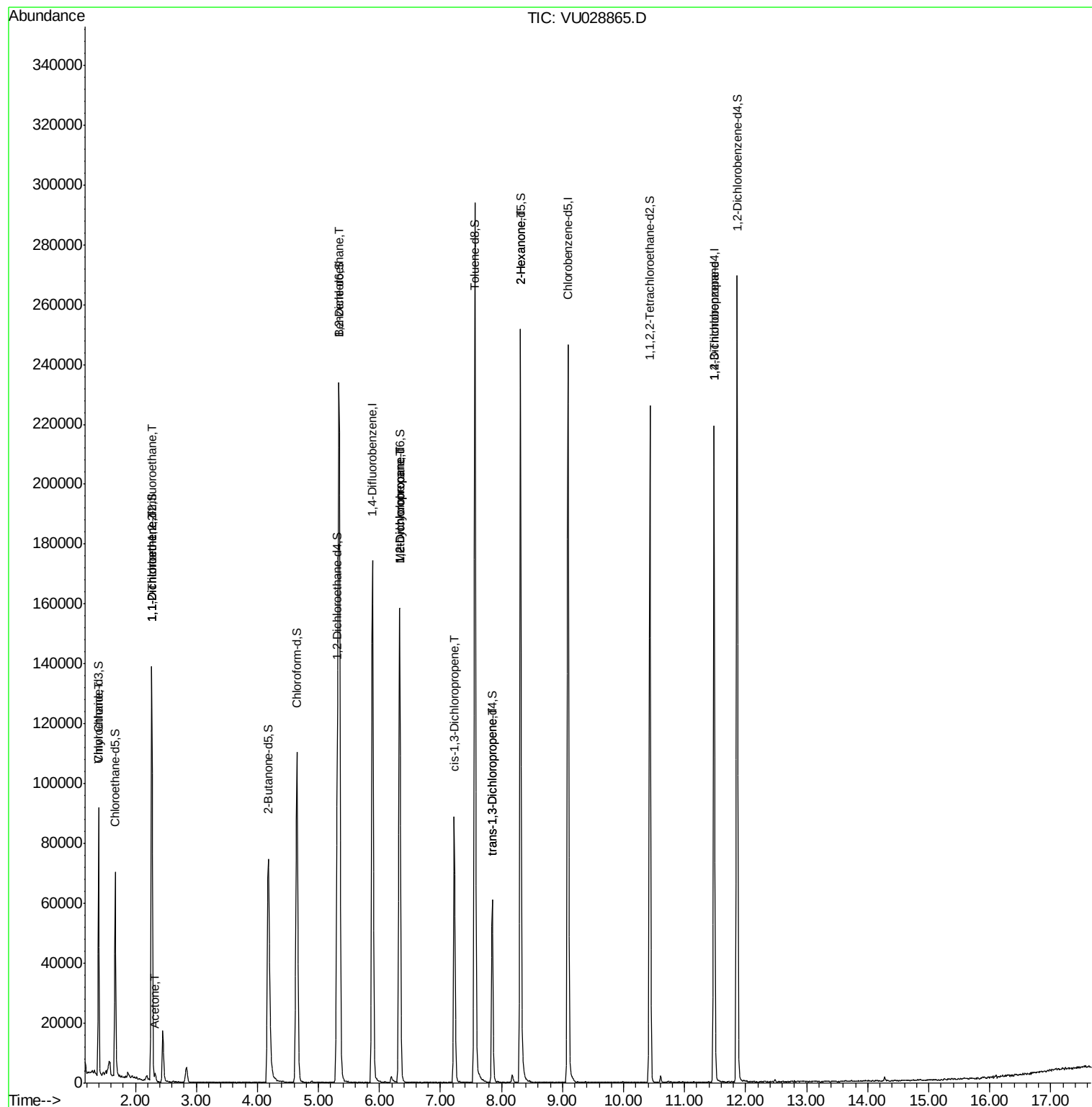
Target Compounds

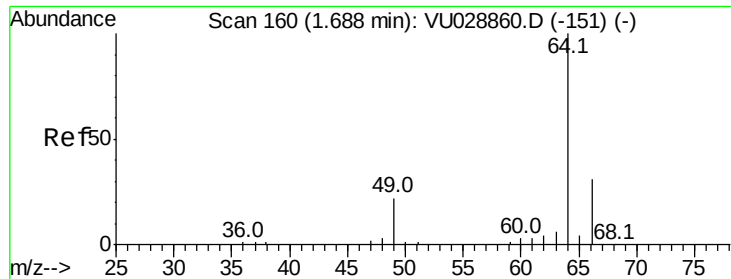
					Ovalue
8) Chloroethane	1.40	64	829	0.978	ug/L # 1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	675	0.687	ug/L # 20
12) 1,1-Dichloroethene	2.27	96	644	0.663	ug/L # 1
13) Acetone	2.32	43	1933	2.228	ug/L 87
27) 1,2-Dichloroethane	5.34	62	1106	0.764	ug/L # 74
35) Methylcyclohexane	6.33	83	17860	9.863	ug/L # 18
37) 1,2-Dichloropropane	6.33	63	7765	6.168	ug/L # 90
39) cis-1,3-Dichloropropene	7.22	75	1720	0.958	ug/L # 61
44) trans-1,3-Dichloropropene	7.85	75	1260	0.788	ug/L # 74
48) 2-Hexanone	8.31	43	9934	7.153	ug/L # 66
59) 1,2,3-Trichloropropane	11.48	75	6732	4.481	ug/L 92

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU122118\
Data File : VU028865.D
Acq On : 21 Dec 2018 11:44
Operator : MD/SY
Sample : J6513-15
Misc : 5.0mL/MSVOA U/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 21 23:30:56 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 21 23:27:40 2018
Response via : Initial Calibration





#8

Chloroethane

Concen: 0.978 ug/L

RT: 1.40 min Scan# 70

Delta R.T. -0.29 min

Lab File: VU028865.D

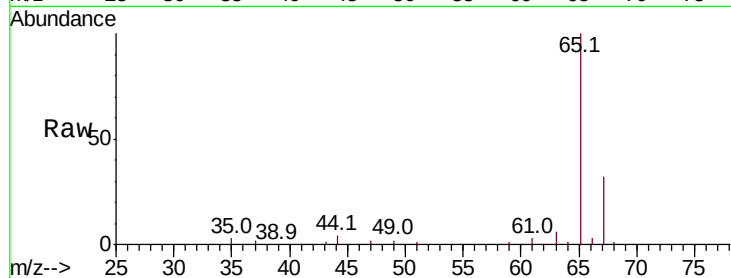
Acq: 21 Dec 2018 11:44

Tot Ion: 64 Resp: 829

Ion Ratio Lower Upper

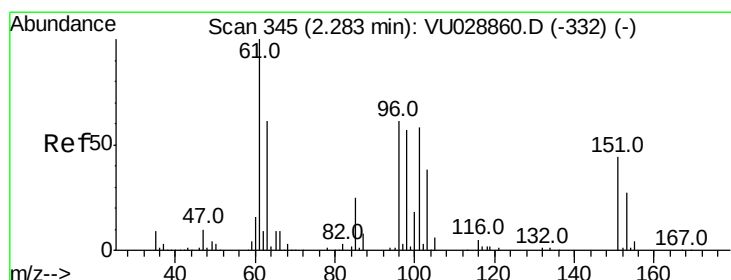
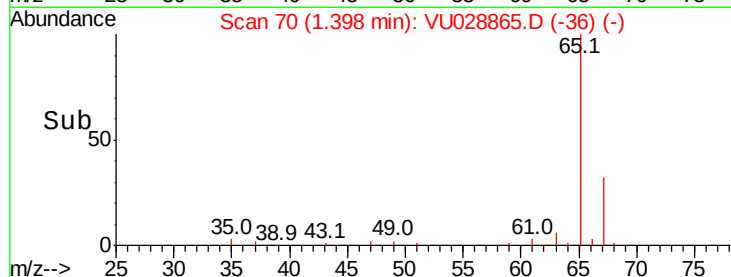
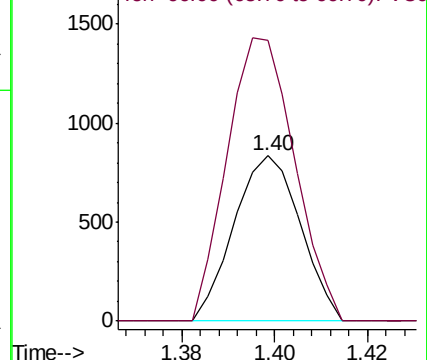
64 100

66 169.8 21.5 39.9#



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



#10

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

Concen: 0.687 ug/L

RT: 2.27 min Scan# 342

Delta R.T. -0.01 min

Lab File: VU028865.D

Acq: 21 Dec 2018 11:44

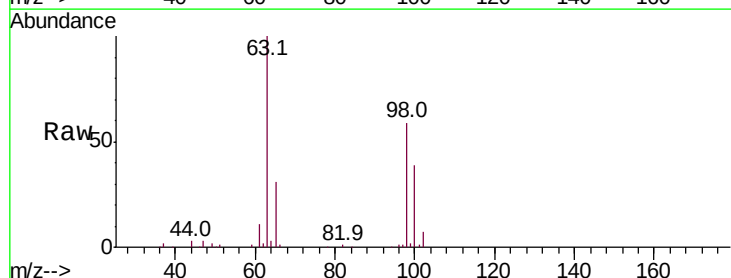
Tgt Ion:101 Resp: 675

Ion Ratio Lower Upper

101 100

85 0.0 33.8 50.6#

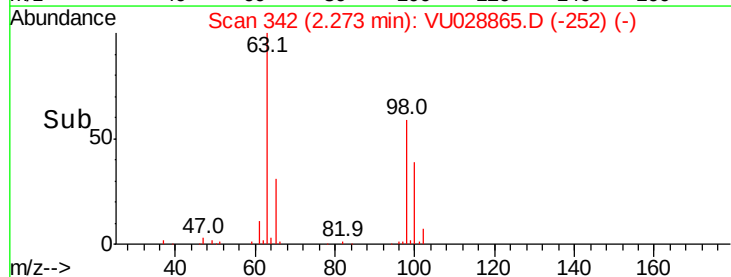
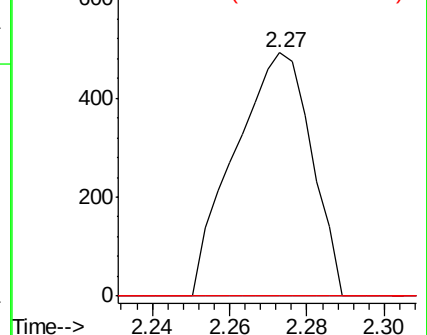
151 0.0 59.4 89.0#

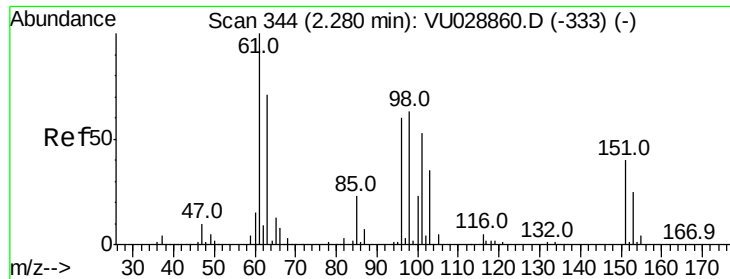


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V





#12

1,1-Dichloroethene

Concen: 0.663 ug/L

RT: 2.27 min Scan# 341

Delta R.T. -0.01 min

Lab File: VU028865.D

Acq: 21 Dec 2018 11:44

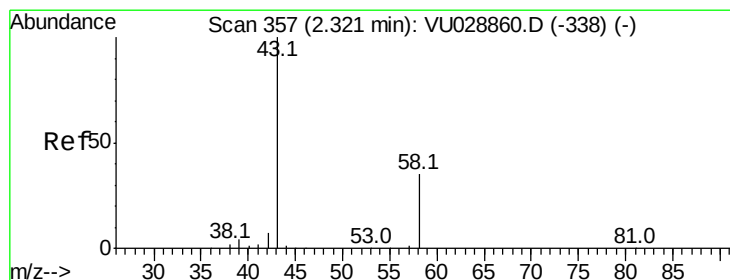
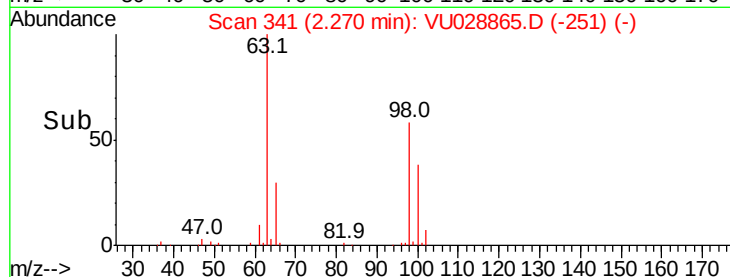
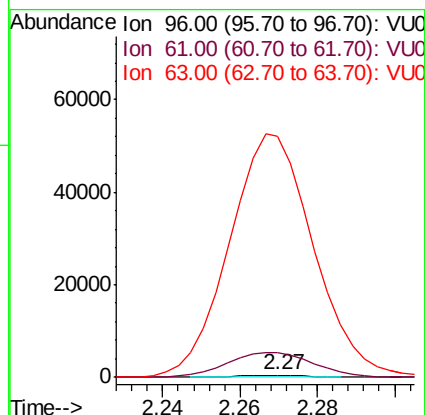
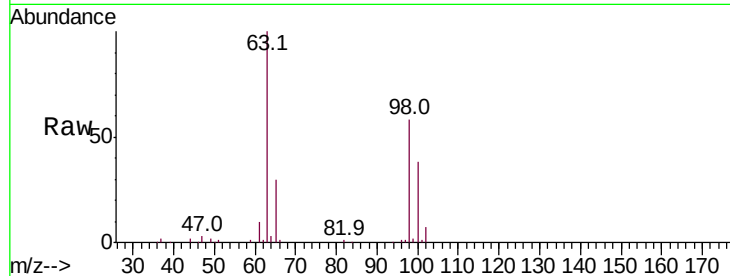
Tot Ion: 96 Resp: 644

Ion Ratio Lower Upper

96 100

61 1083.9 119.3 221.5#

63 10490.1 107.4 199.6#



#13

Acetone

Concen: 2.228 ug/L

RT: 2.32 min Scan# 357

Delta R.T. -0.00 min

Lab File: VU028865.D

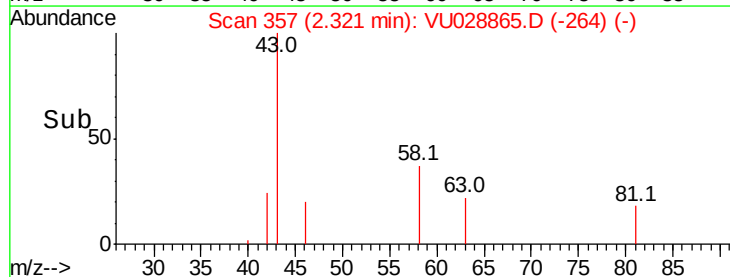
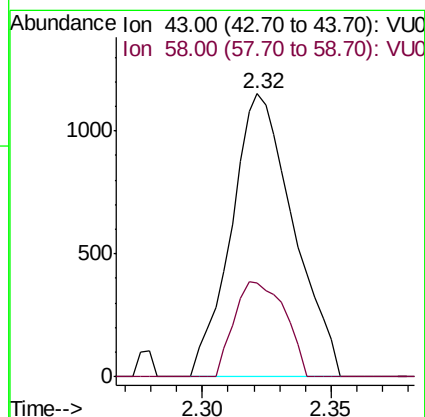
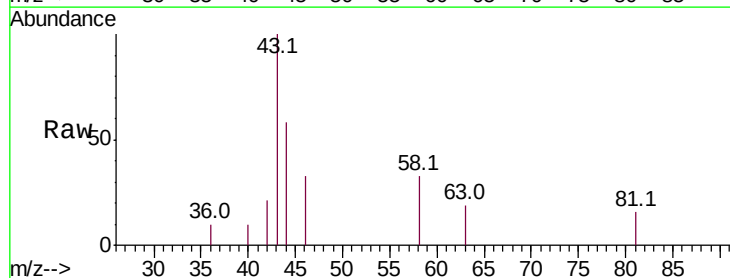
Acq: 21 Dec 2018 11:44

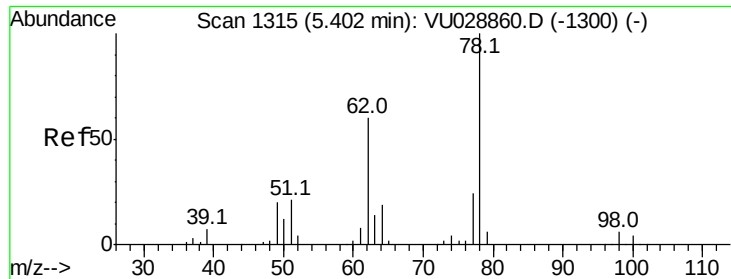
Tgt Ion: 43 Resp: 1933

Ion Ratio Lower Upper

43 100

58 27.6 0.0 70.2





#27

1,2-Dichloroethane

Concen: 0.764 ug/L

RT: 5.34 min Scan# 1295

Delta R.T. -0.06 min

Lab File: VU028865.D

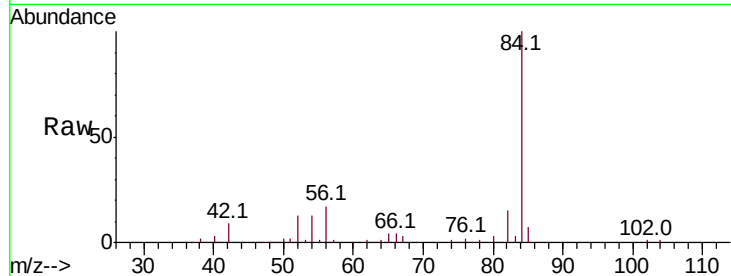
Acq: 21 Dec 2018 11:44

Tot Ion: 62 Resp: 1106

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

600

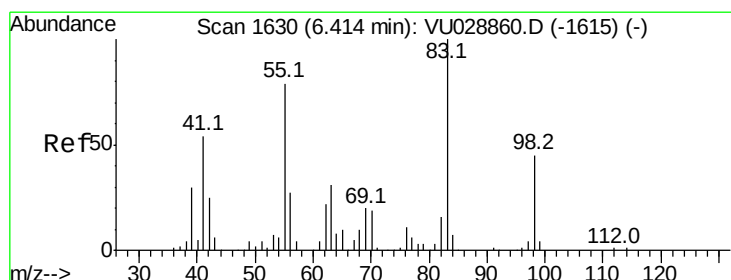
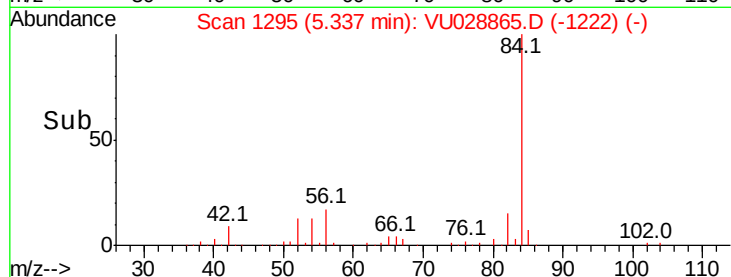
5.34

400

200

0

Time-->



#35

Methylcyclohexane

Concen: 9.863 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.08 min

Lab File: VU028865.D

Acq: 21 Dec 2018 11:44

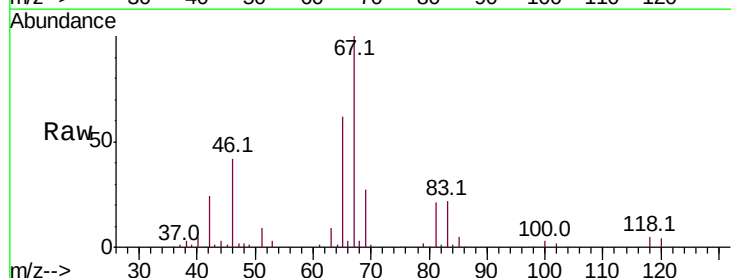
Tgt Ion: 83 Resp: 17860

Ion Ratio Lower Upper

83 100

55 0.4 63.7 95.5#

98 1.1 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

12000

10000

8000

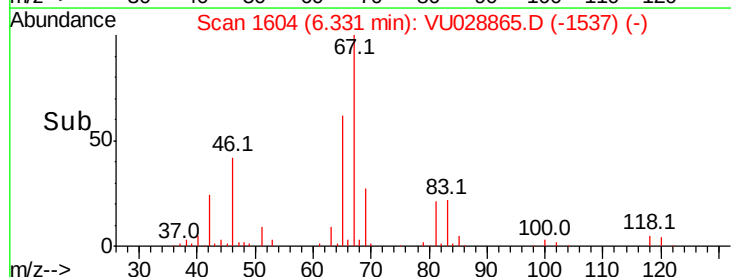
6000

4000

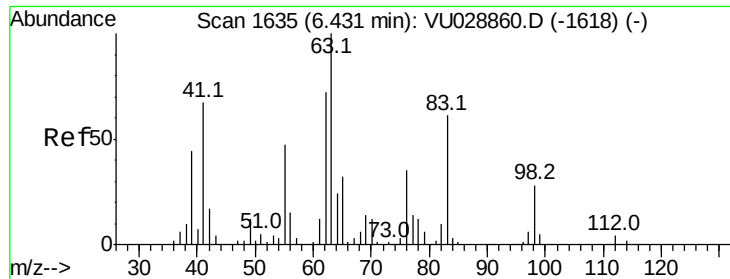
2000

0

Time-->



Time-->



#37

1,2-Dichloropropane

Concen: 6.168 ug/L

RT: 6.33 min Scan# 1603

Delta R.T. -0.10 min

Lab File: VU028865.D

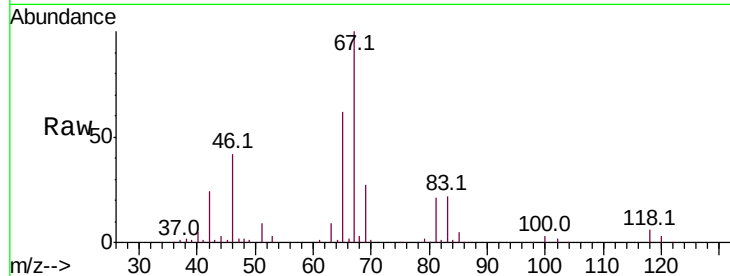
Acq: 21 Dec 2018 11:44

Tot Ion: 63 Resp: 7765

Ion Ratio Lower Upper

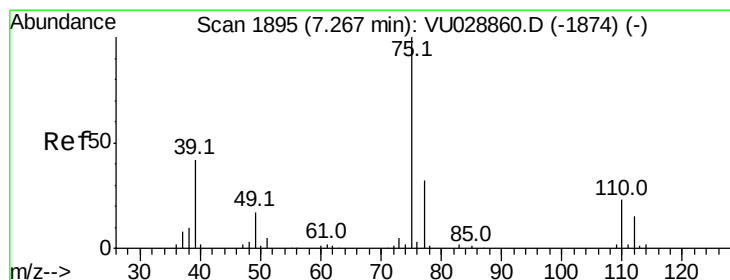
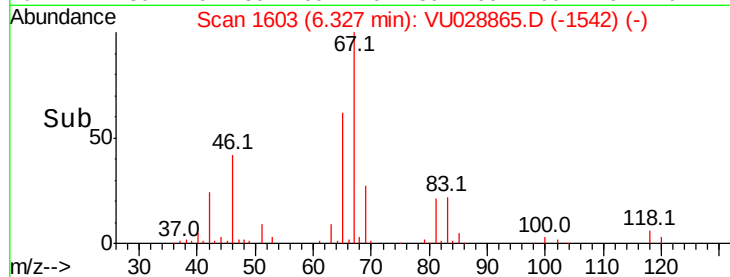
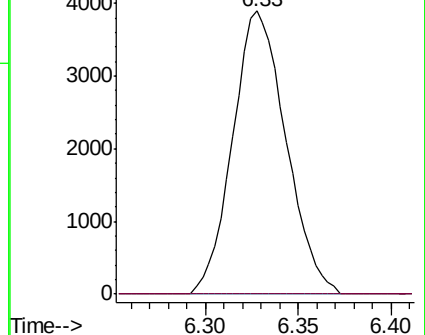
63 100

112 0.0 2.7 4.1#



Abundance Ion 63.00 (62.70 to 63.70): VU028860.D (-1618) (-)

Ion 112.00 (111.70 to 112.70): VU028860.D (-1618) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.958 ug/L

RT: 7.22 min Scan# 1882

Delta R.T. -0.04 min

Lab File: VU028865.D

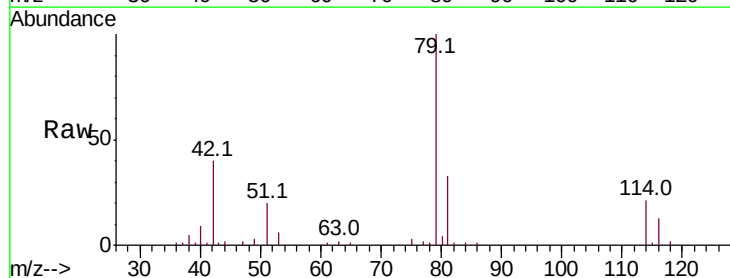
Acq: 21 Dec 2018 11:44

Tgt Ion: 75 Resp: 1720

Ion Ratio Lower Upper

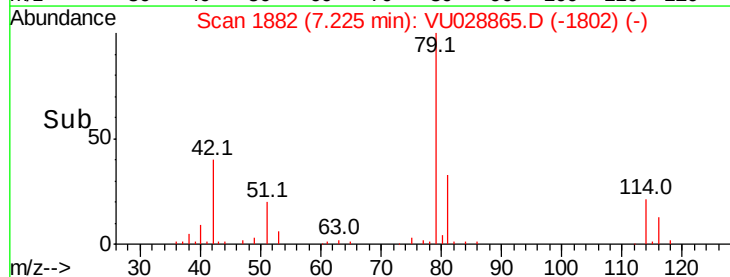
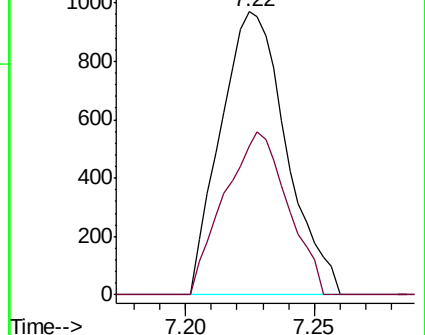
75 100

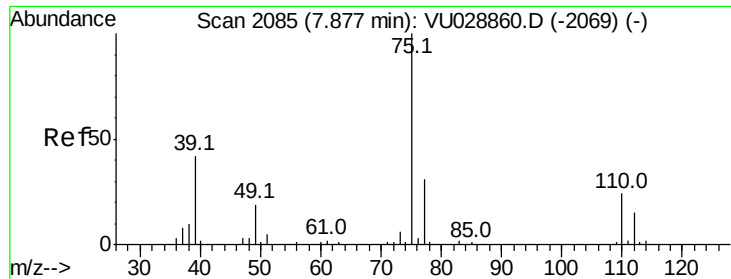
77 52.6 21.8 40.6#



Abundance Ion 75.00 (74.70 to 75.70): VU028860.D (-1874) (-)

Ion 77.00 (76.70 to 77.70): VU028860.D (-1874) (-)





#44

trans-1,3-Dichloropropene

Concen: 0.788 ug/L

RT: 7.85 min Scan# 2075

Delta R.T. -0.03 min

Lab File: VU028865.D

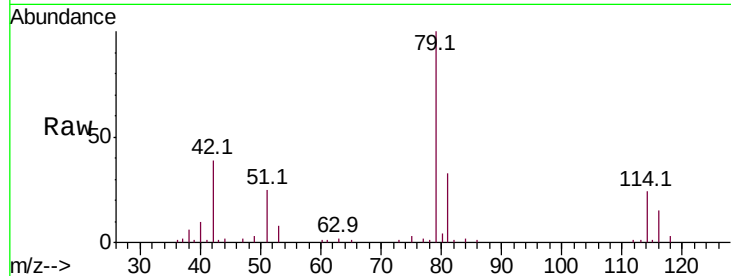
Acq: 21 Dec 2018 11:44

Tot Ion: 75 Resp: 1260

Ion Ratio Lower Upper

75 100

77 45.6 21.8 40.6#



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

7.85

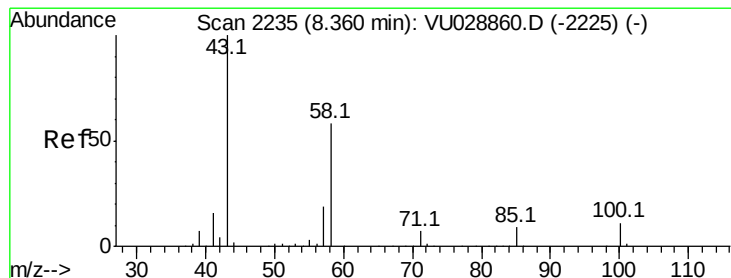
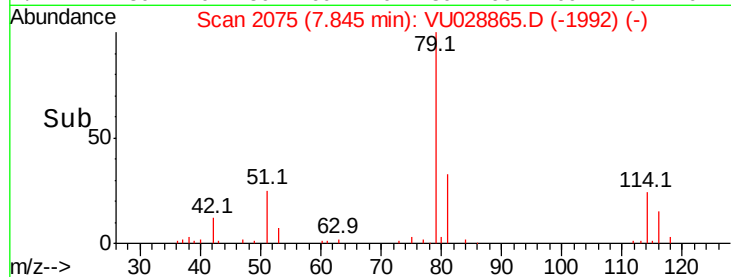
600

400

200

0

Time-->



#48

2-Hexanone

Concen: 7.153 ug/L

RT: 8.31 min Scan# 2219

Delta R.T. -0.05 min

Lab File: VU028865.D

Acq: 21 Dec 2018 11:44

Tgt Ion: 43 Resp: 9934

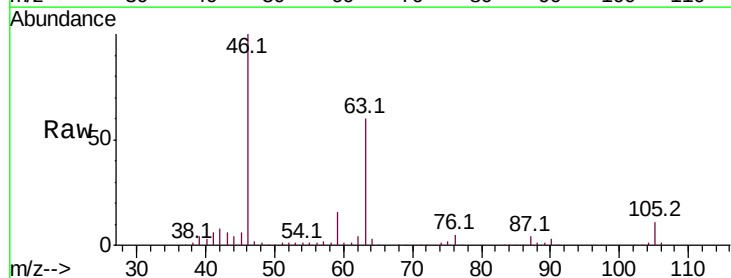
Ion Ratio Lower Upper

43 100

58 26.0 45.9 68.9#

57 24.0 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

8.31

8000

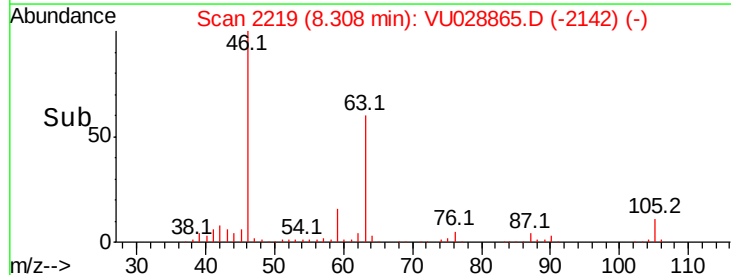
6000

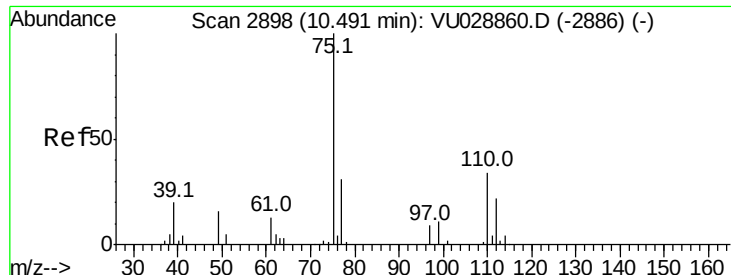
4000

2000

0

Time-->





#59

1,2,3-Trichloropropane
 Concen: 4.481 ug/L
 RT: 11.48 min Scan# 3206
 Delta R.T. 0.99 min
 Lab File: VU028865.D
 Acq: 21 Dec 2018 11:44

Tot Ion: 75 Resp: 6732
 Ion Ratio Lower Upper
 75 100
 77 36.1 25.5 38.3

