

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122118\
 Data File : VU028880.D
 Acq On : 21 Dec 2018 17:49
 Operator : MD/SY
 Sample : J6513-15RE
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 21 23:32:56 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	179915	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	166828	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	68979	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	48827	33.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	67.70%
7) Chloroethane-d5	1.67	69	42912	38.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	77.04%
11) 1,1-Dichloroethene-d2	2.27	63	66668	27.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	54.96%#
21) 2-Butanone-d5	4.18	46	113390	112.21	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.21%
24) Chloroform-d	4.65	84	99096	43.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.38%
26) 1,2-Dichloroethane-d4	5.31	65	64707	46.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.56%
32) Benzene-d6	5.34	84	205114	43.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.04%
36) 1,2-Dichloropropane-d6	6.33	67	75345	47.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.12%
41) Toluene-d8	7.57	98	177621	41.59	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.18%
43) trans-1,3-Dichloropropene-	7.85	79	31380	43.74	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.48%
47) 2-Hexanone-d5	8.31	63	88556	116.45	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	116.45%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	112627	50.70	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	66733	47.83	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.66%

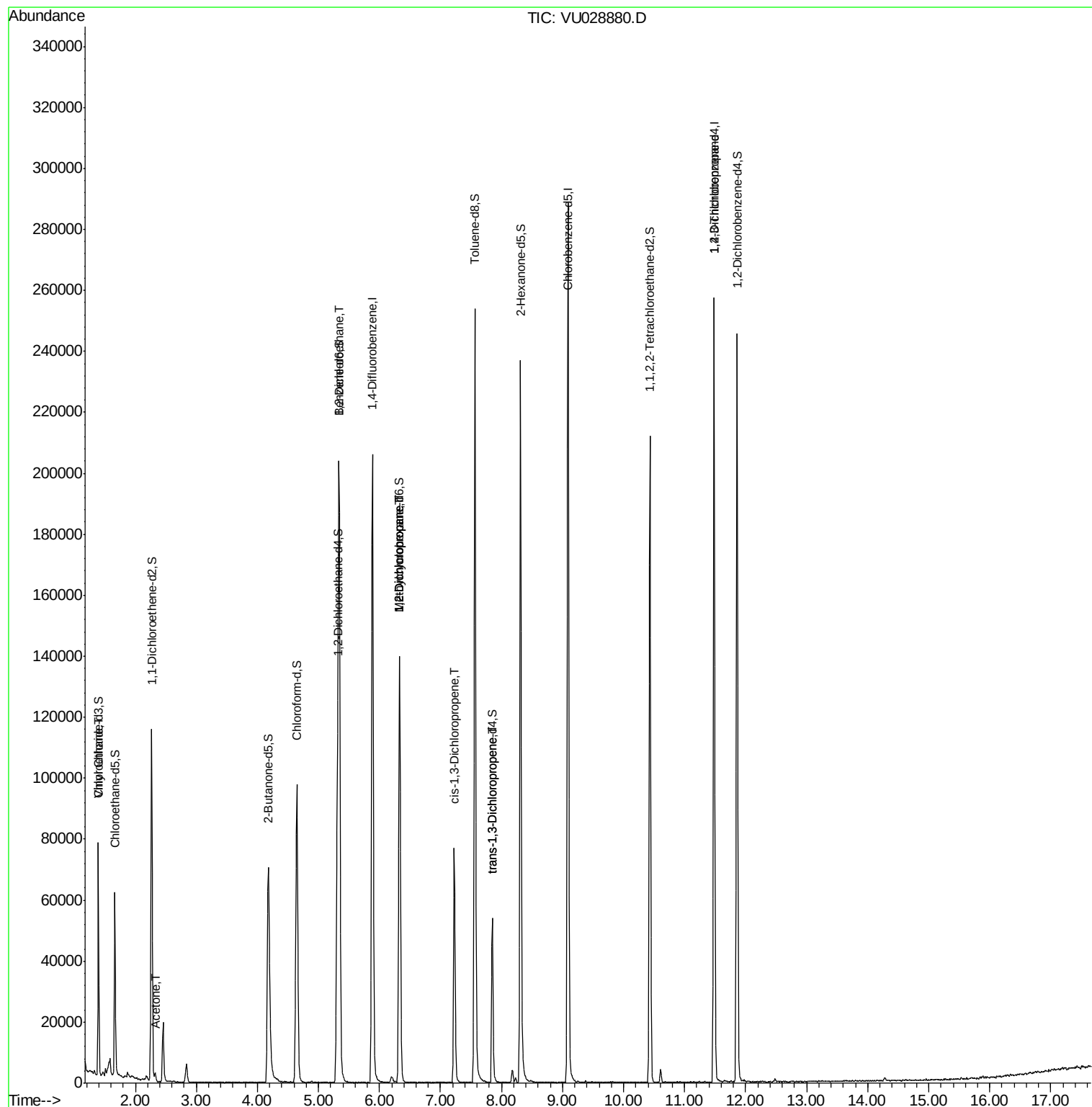
Target Compounds

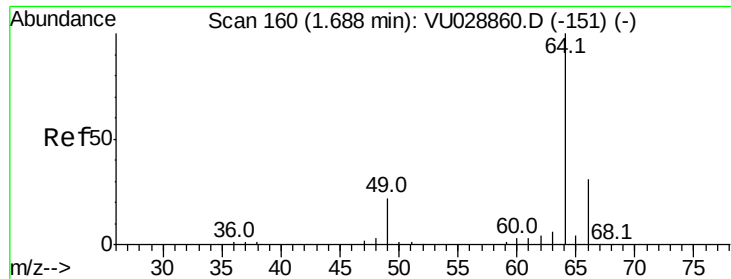
					Ovalue
8) Chloroethane	1.40	64	705	0.701 ug/L #	1
13) Acetone	2.33	43	2040	1.981 ug/L	82
27) 1,2-Dichloroethane	5.34	62	982	0.571 ug/L #	74
35) Methylcyclohexane	6.33	83	15875	7.433 ug/L #	18
37) 1,2-Dichloropropane	6.33	63	6988	4.707 ug/L #	90
39) cis-1,3-Dichloropropene	7.23	75	1549	0.732 ug/L #	48
44) trans-1,3-Dichloropropene	7.85	75	1145	0.607 ug/L	84
59) 1,2,3-Trichloropropane	11.48	75	8552	4.827 ug/L	99

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

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#8

Chloroethane

Concen: 0.701 ug/L

RT: 1.40 min Scan# 70

Delta R.T. -0.29 min

Lab File: VU028880.D

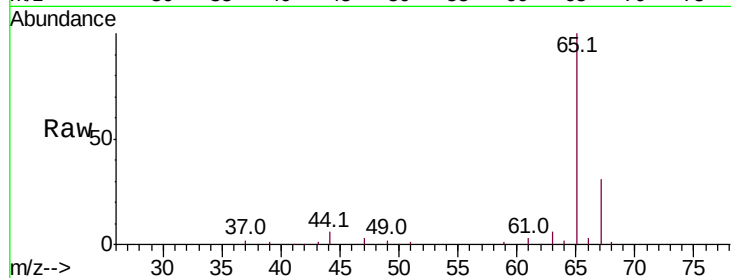
Acq: 21 Dec 2018 17:49

Tot Ion: 64 Resp: 705

Ion Ratio Lower Upper

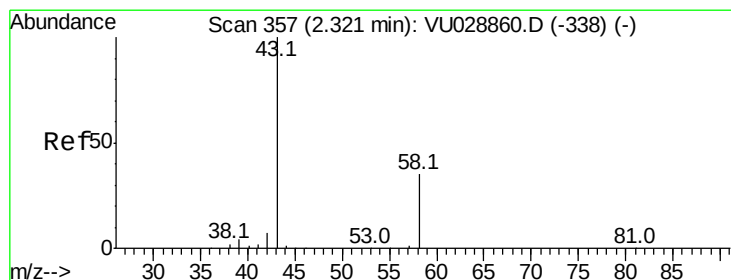
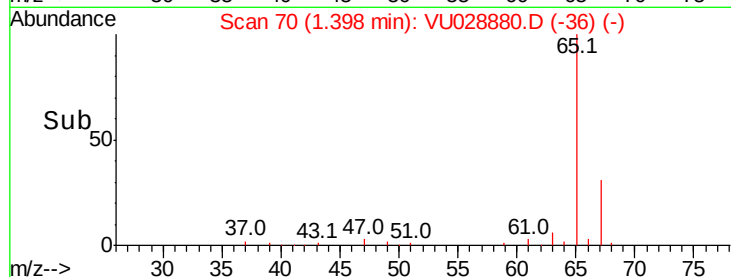
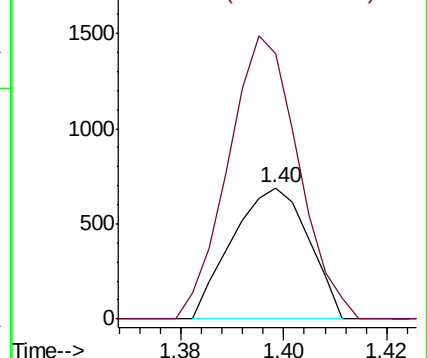
64 100

66 202.9 21.5 39.9#



Abundance Ion 64.00 (63.70 to 64.70): VU0

Ion 66.00 (65.70 to 66.70): VU0



#13

Acetone

Concen: 1.981 ug/L

RT: 2.33 min Scan# 359

Delta R.T. 0.01 min

Lab File: VU028880.D

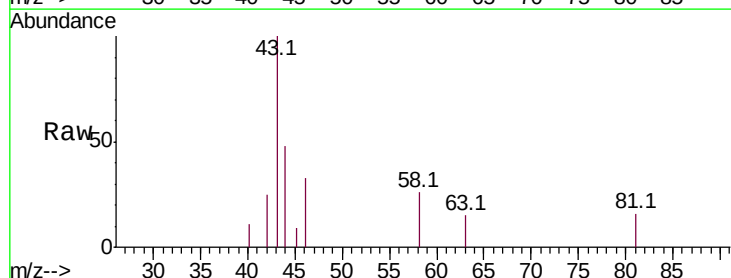
Acq: 21 Dec 2018 17:49

Tgt Ion: 43 Resp: 2040

Ion Ratio Lower Upper

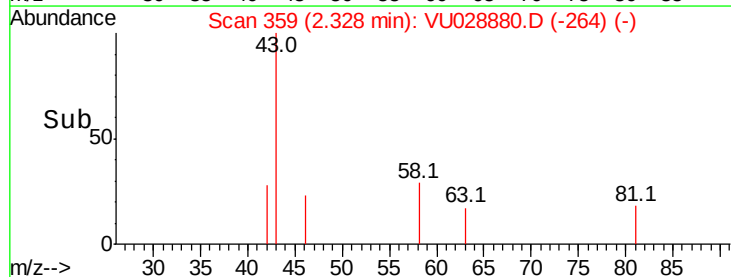
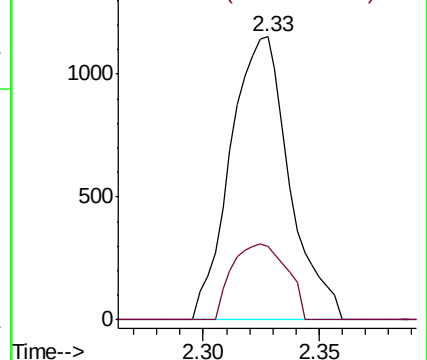
43 100

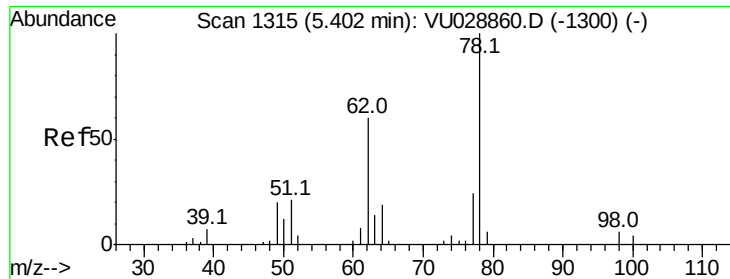
58 24.8 0.0 70.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

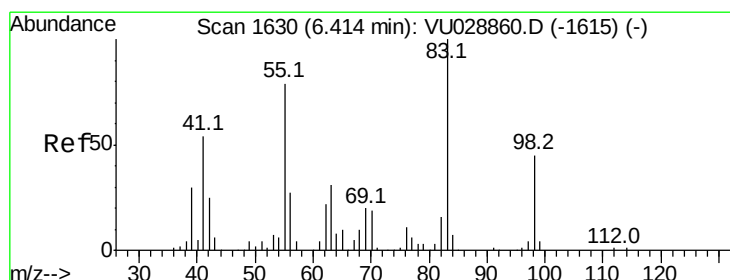
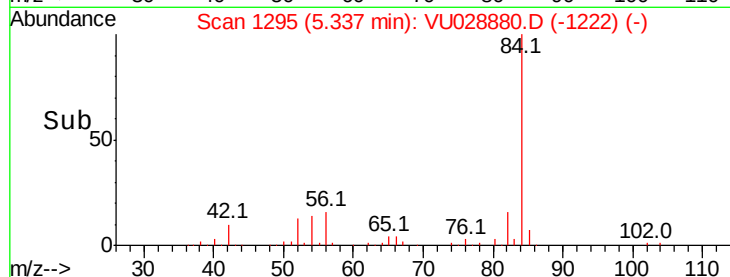
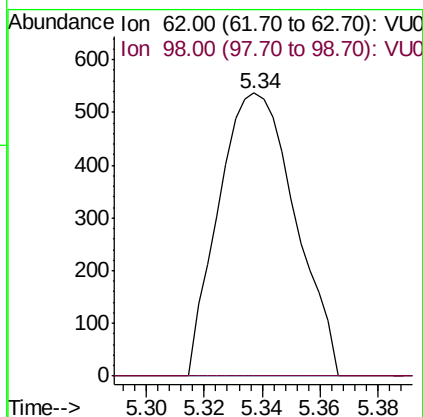
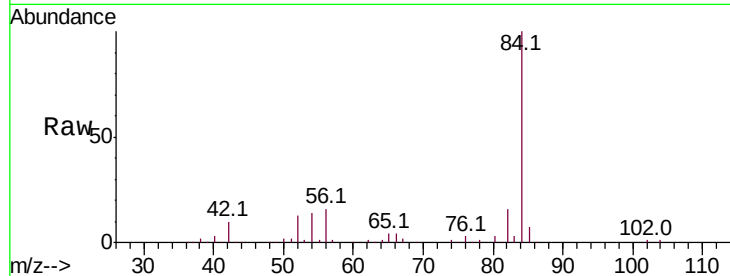
Ion 58.00 (57.70 to 58.70): VU0





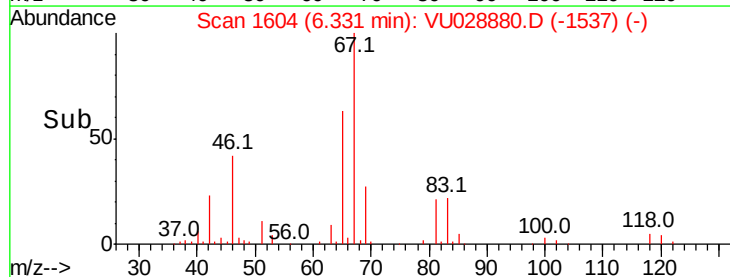
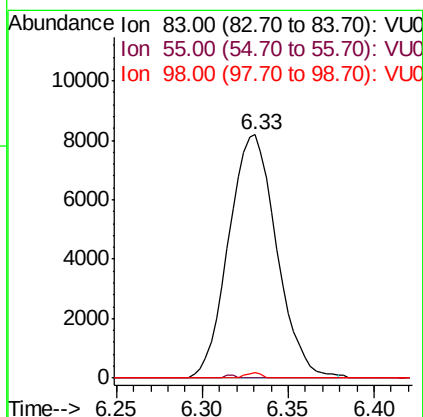
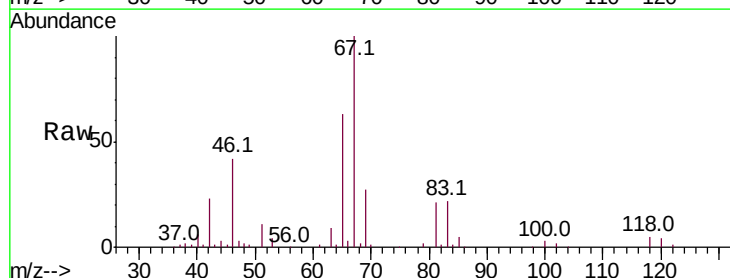
#27
 1,2-Dichloroethane
 Concen: 0.571 ug/L
 RT: 5.34 min Scan# 1295
 Delta R.T. -0.06 min
 Lab File: VU028880.D
 Acq: 21 Dec 2018 17:49

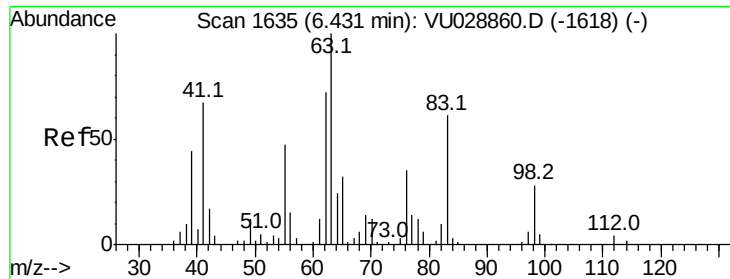
Tot Ion: 62 Resp: 982
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.5 11.3#



#35
 Methylcyclohexane
 Concen: 7.433 ug/L
 RT: 6.33 min Scan# 1604
 Delta R.T. -0.08 min
 Lab File: VU028880.D
 Acq: 21 Dec 2018 17:49

Tgt Ion: 83 Resp: 15875
 Ion Ratio Lower Upper
 83 100
 55 0.3 63.7 95.5#
 98 0.7 35.6 53.4#





#37

1,2-Dichloropropane

Concen: 4.707 ug/L

RT: 6.33 min Scan# 1603

Delta R.T. -0.10 min

Lab File: VU028880.D

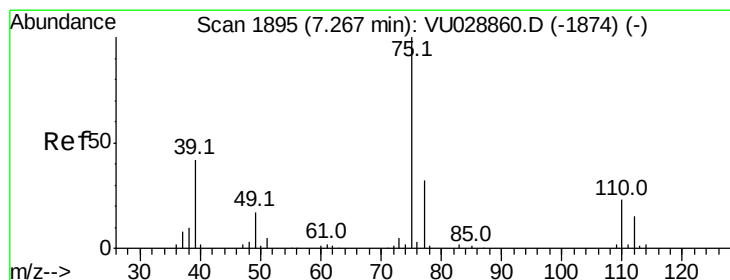
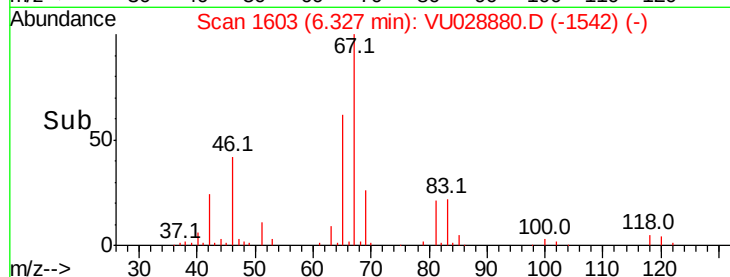
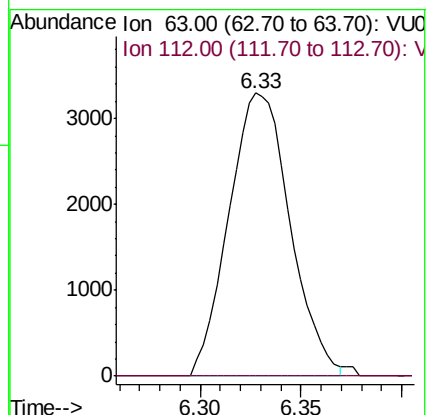
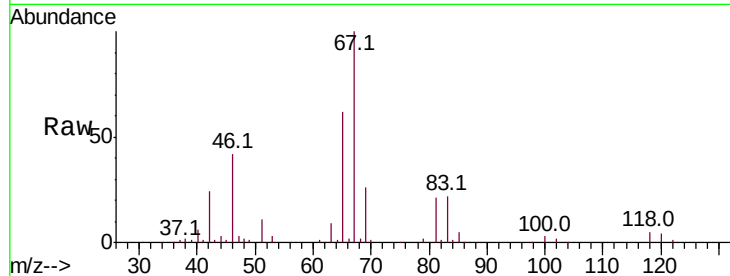
Acq: 21 Dec 2018 17:49

Tot Ion: 63 Resp: 6988

Ion Ratio Lower Upper

63 100

112 0.0 2.7 4.1#



#39

cis-1,3-Dichloropropene

Concen: 0.732 ug/L

RT: 7.23 min Scan# 1883

Delta R.T. -0.04 min

Lab File: VU028880.D

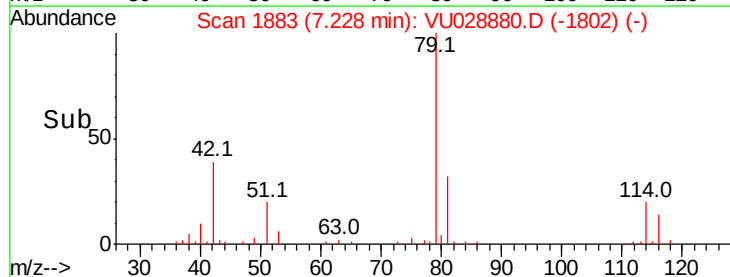
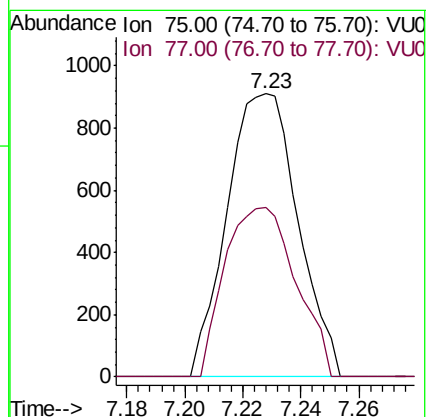
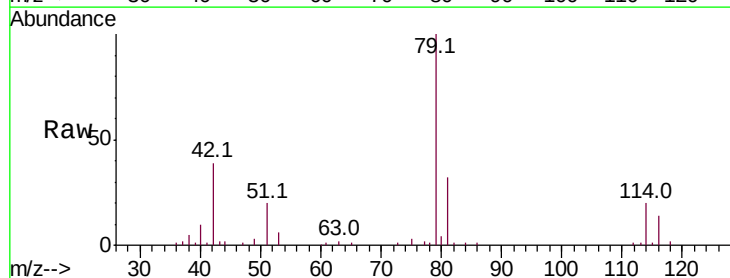
Acq: 21 Dec 2018 17:49

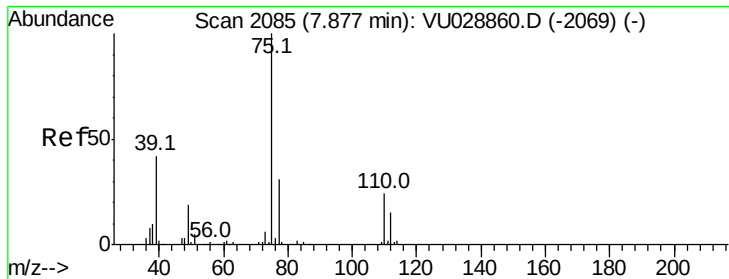
Tgt Ion: 75 Resp: 1549

Ion Ratio Lower Upper

75 100

77 60.1 21.8 40.6#





#44

trans-1,3-Dichloropropene

Concen: 0.607 ug/L

RT: 7.85 min Scan# 2076

Delta R.T. -0.03 min

Lab File: VU028880.D

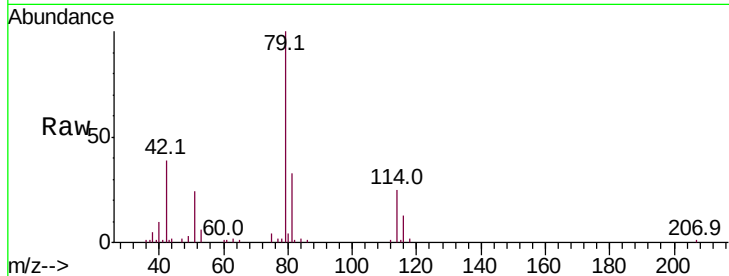
Acq: 21 Dec 2018 17:49

Tot Ion: 75 Resp: 1145

Ion Ratio Lower Upper

75 100

77 39.8 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

800

600

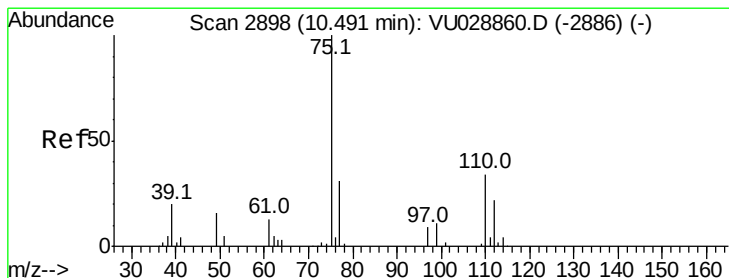
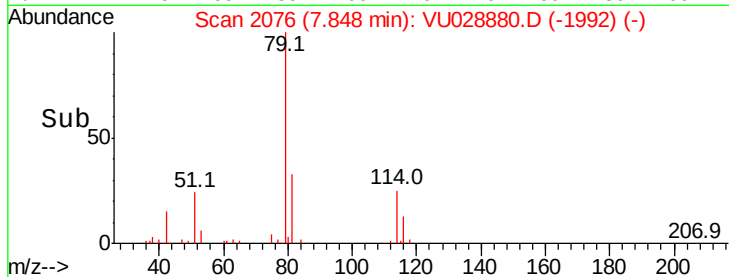
400

200

0

7.82 7.84 7.86 7.88

Time-->



#59

1,2,3-Trichloropropane

Concen: 4.827 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU028880.D

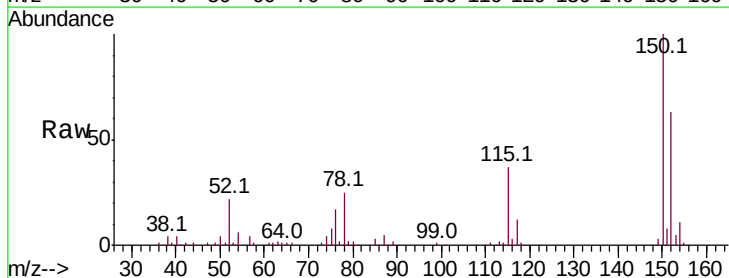
Acq: 21 Dec 2018 17:49

Tgt Ion: 75 Resp: 8552

Ion Ratio Lower Upper

75 100

77 32.5 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

11.48

6000

5000

4000

3000

2000

1000

0

11.45 11.50

Time-->

