

Data File : VU028904.D
Acq On : 22 Dec 2018 03:32
Operator : MD/SY
Sample : J6542-05
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 46 Sample Multiplier: 1

Quant Time: Dec 22 03:53:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM122018WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Dec 22 01:55:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	172805	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	161323	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	65174	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	59452	42.91	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.82%
7) Chloroethane-d5	1.67	69	48162	45.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.02%
11) 1,1-Dichloroethene-d2	2.27	63	77742	33.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.74%
21) 2-Butanone-d5	4.18	46	101404	104.47	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.47%
24) Chloroform-d	4.65	84	103194	47.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.74%
26) 1,2-Dichloroethane-d4	5.31	65	66172	49.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.56%
32) Benzene-d6	5.34	84	226558	49.71	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.42%
36) 1,2-Dichloropropane-d6	6.33	67	78477	50.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.38%
41) Toluene-d8	7.56	98	199598	48.33	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.66%
43) trans-1,3-Dichloropropene-	7.85	79	32707	47.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.28%
47) 2-Hexanone-d5	8.31	63	76948	104.64	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.64%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	105809	49.26	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.52%
64) 1,2-Dichlorobenzene-d4	11.86	152	68557	52.01	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	104.02%

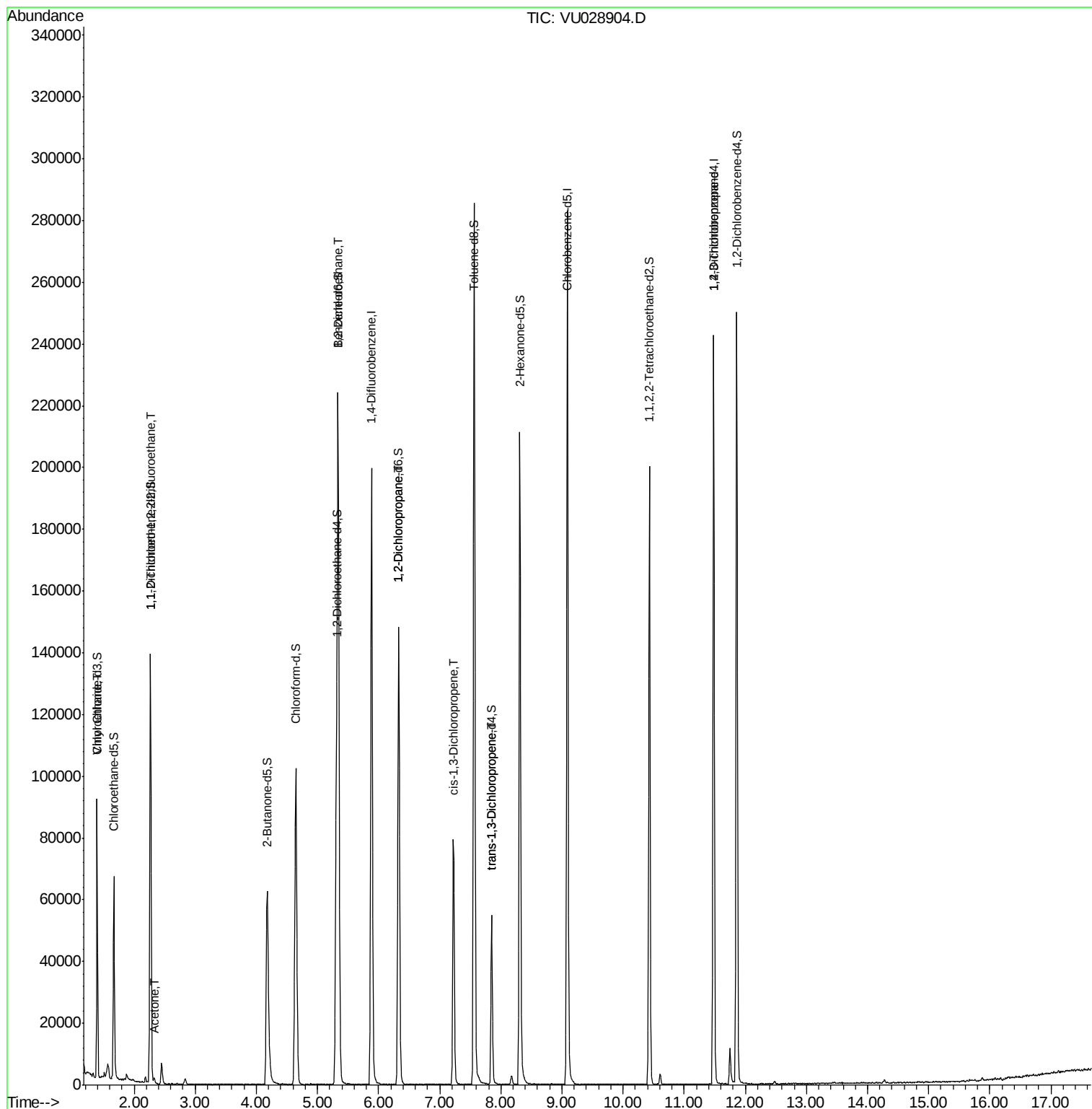
Target Compounds

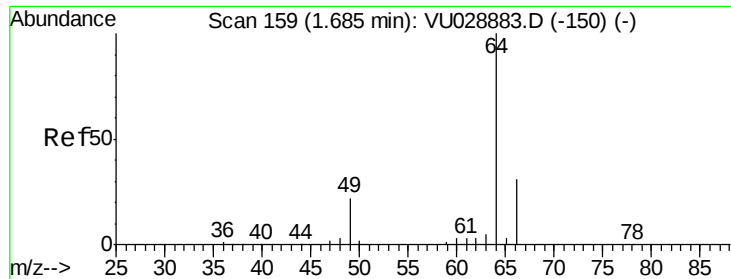
					Qvalue	
8) Chloroethane	1.40	64	840	0.869	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	771	0.688	ug/L #	20
13) Acetone	2.32	43	761	0.769	ug/L	89
27) 1,2-Dichloroethane	5.34	62	1152	0.698	ug/L #	74
37) 1,2-Dichloropropane	6.33	63	7775	5.416	ug/L #	90
39) cis-1,3-Dichloropropene	7.22	75	1543	0.754	ug/L #	57
44) trans-1,3-Dichloropropene	7.85	75	1257	0.689	ug/L	89
59) 1,2,3-Trichloropropane	11.48	75	7786	4.545	ug/L	97

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

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#8

Chloroethane

Concen: 0.869 ug/L

RT: 1.40 min Scan# 70

Delta R.T. -0.29 min

Lab File: VU028904.D

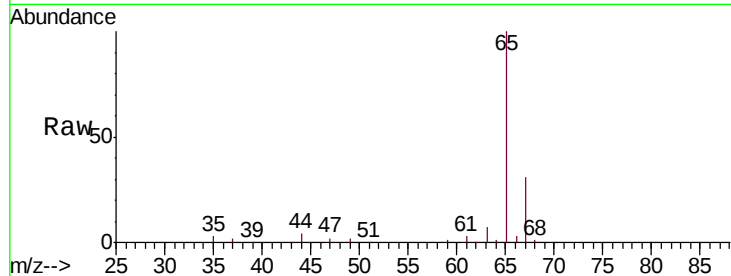
Acq: 22 Dec 2018 03:32

Tgt Ion: 64 Resp: 840

Ion Ratio Lower Upper

64 100

66 174.1 21.5 39.9#



Abundance Ion 64.00 (63.70 to 64.70): VU028904.D (-35) (-)

Ion 66.00 (65.70 to 66.70): VU028904.D (-35) (-)

1500

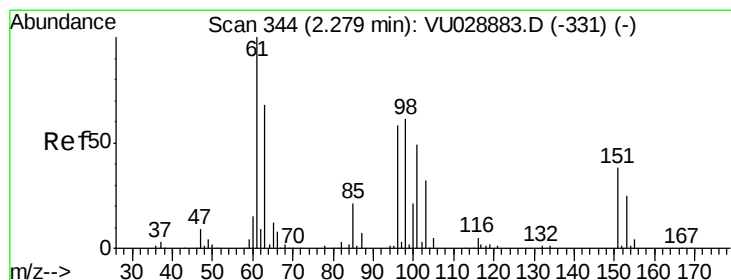
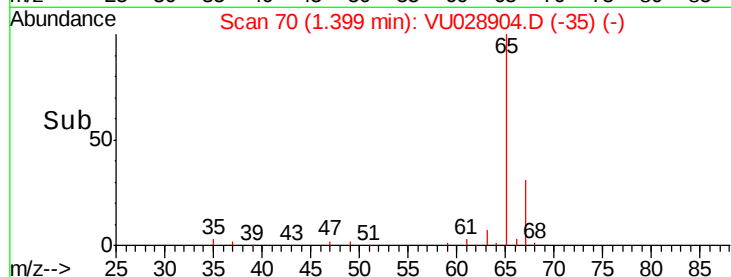
1000

500

0

1.38 1.40 1.42

Time-->



#10

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

Concen: 0.688 ug/L

RT: 2.27 min Scan# 340

Delta R.T. -0.01 min

Lab File: VU028904.D

Acq: 22 Dec 2018 03:32

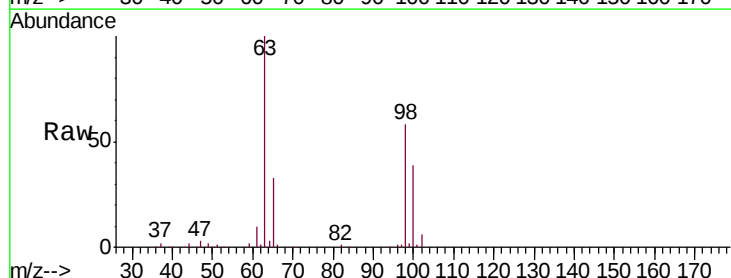
Tgt Ion: 101 Resp: 771

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): VU028904.D (-251) (-)

Ion 85.00 (84.70 to 85.70): VU028904.D (-251) (-)

Ion 151.00 (150.70 to 151.70): VU028904.D (-251) (-)

800

600

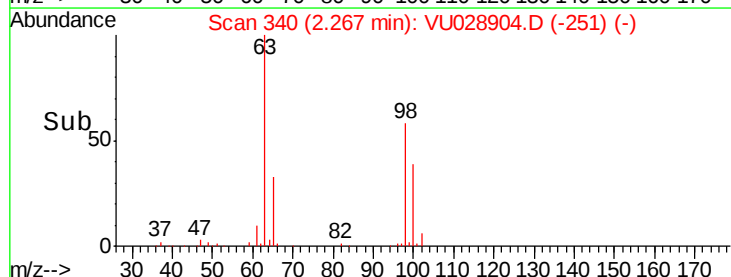
400

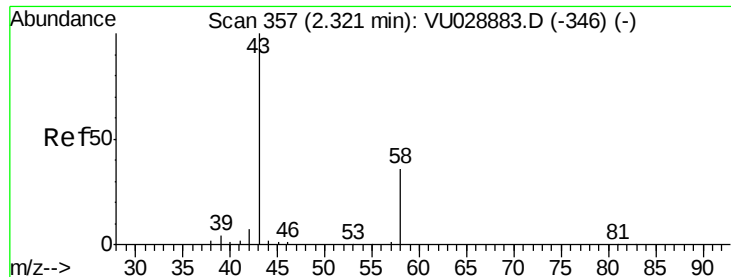
200

0

2.24 2.26 2.28 2.30

Time-->





#13

Acetone

Concen: 0.769 ug/L

RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU028904.D

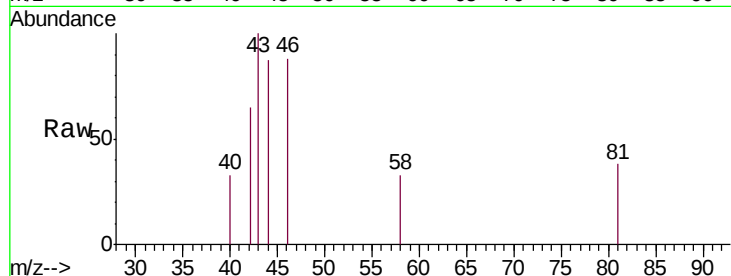
Acq: 22 Dec 2018 03:32

Tgt Ion: 43 Resp: 761

Ion Ratio Lower Upper

43 100

58 28.9 0.0 70.2



Abundance Ion 43.00 (42.70 to 43.70): VU028883.D (-346) (-)

Ion 58.00 (57.70 to 58.70): VU028883.D (-346) (-)

2.32

500

400

300

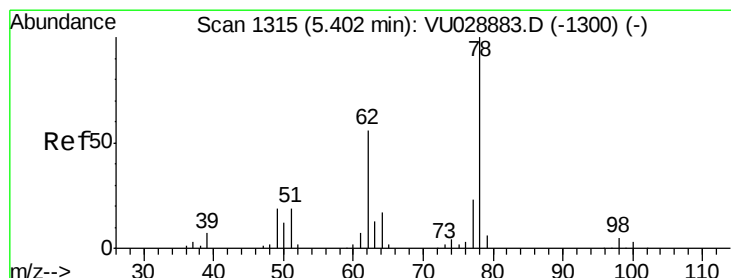
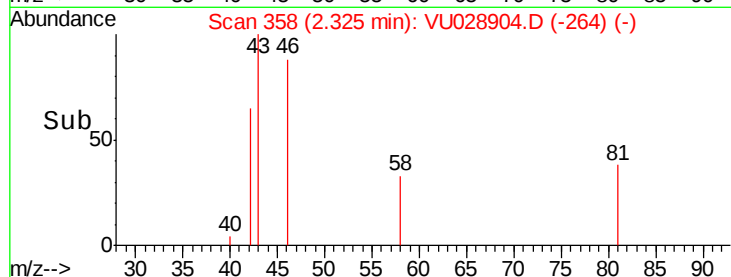
200

100

0

Time-->

2.28 2.30 2.32 2.34 2.36



#27

1,2-Dichloroethane

Concen: 0.698 ug/L

RT: 5.34 min Scan# 1296

Delta R.T. -0.06 min

Lab File: VU028904.D

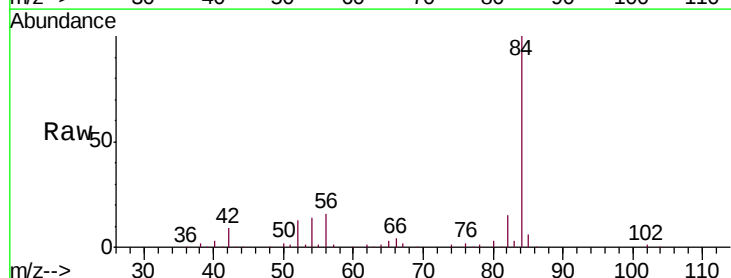
Acq: 22 Dec 2018 03:32

Tgt Ion: 62 Resp: 1152

Ion Ratio Lower Upper

62 100

98 0.0 7.5 11.3#



Abundance Ion 62.00 (61.70 to 62.70): VU028883.D (-1300) (-)

Ion 98.00 (97.70 to 98.70): VU028883.D (-1300) (-)

5.34

600

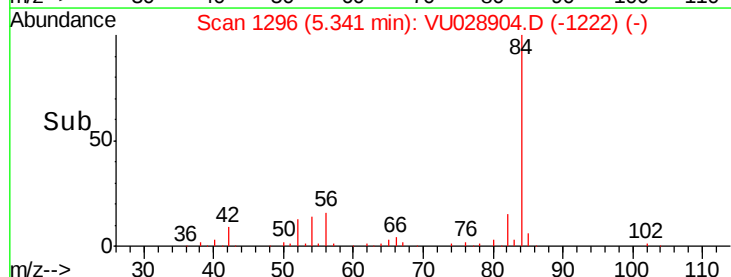
400

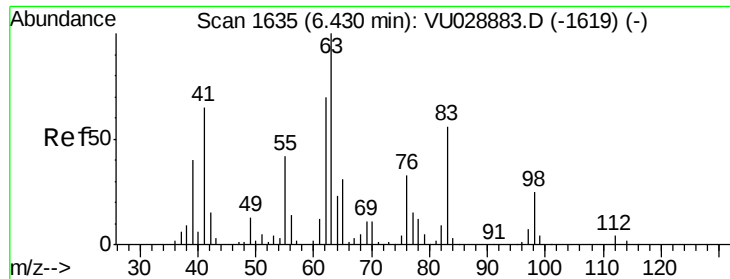
200

0

Time-->

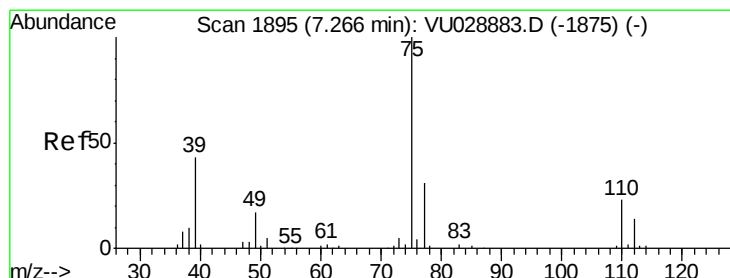
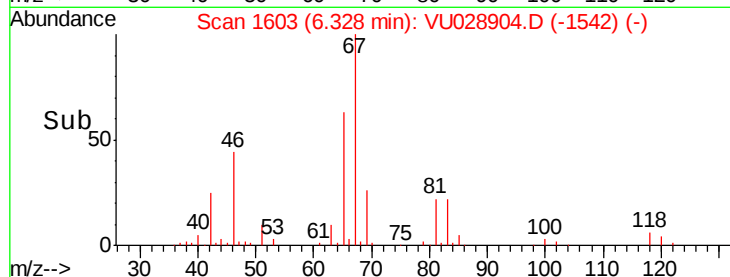
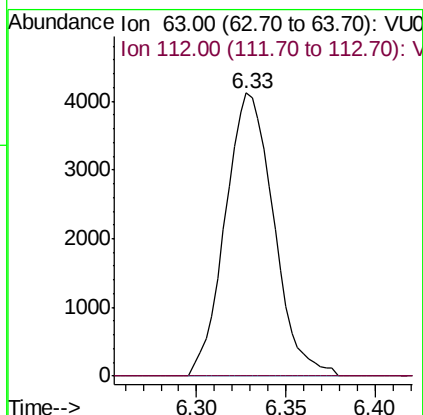
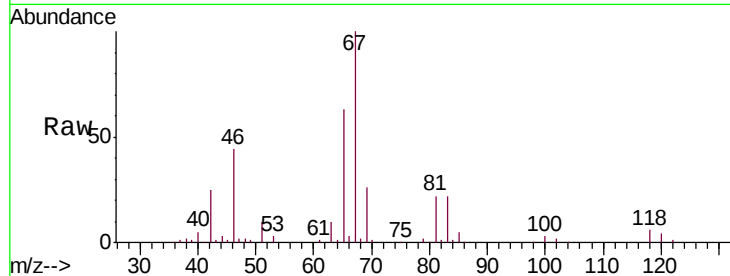
5.30 5.35





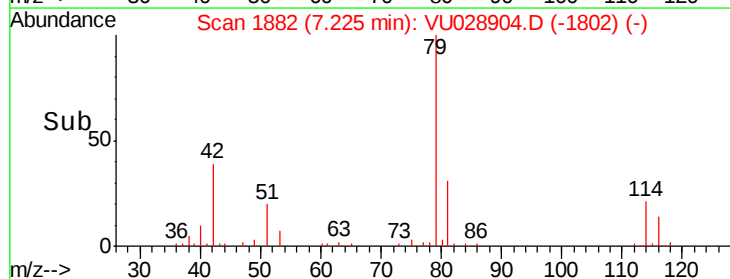
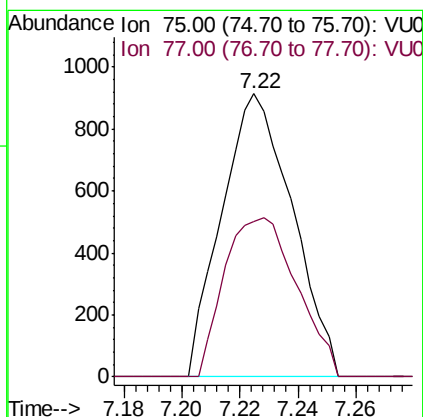
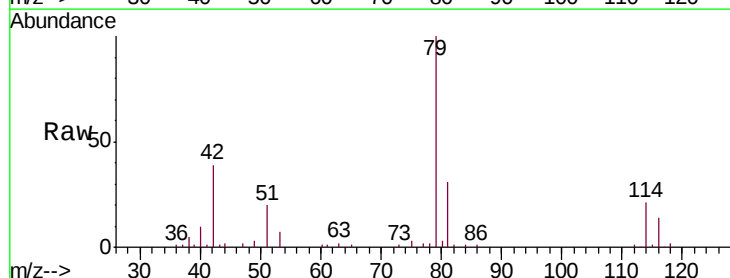
#37
 1,2-Dichloropropane
 Concen: 5.416 ug/L
 RT: 6.33 min Scan# 1603
 Delta R.T. -0.10 min
 Lab File: VU028904.D
 Acq: 22 Dec 2018 03:32

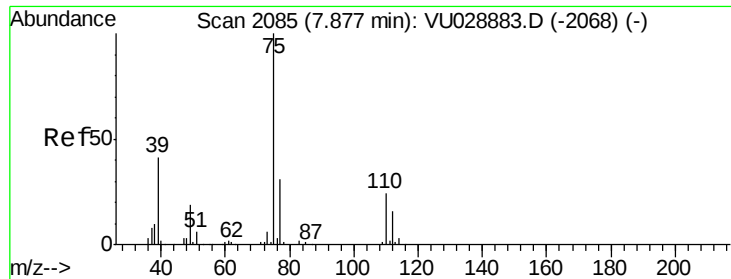
Tgt Ion: 63 Resp: 7775
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.7 4.1#



#39
 cis-1,3-Dichloropropene
 Concen: 0.754 ug/L
 RT: 7.22 min Scan# 1882
 Delta R.T. -0.04 min
 Lab File: VU028904.D
 Acq: 22 Dec 2018 03:32

Tgt Ion: 75 Resp: 1543
 Ion Ratio Lower Upper
 75 100
 77 54.8 21.8 40.6#





#44

trans-1,3-Dichloropropene

Concen: 0.689 ug/L

RT: 7.85 min Scan# 2076

Delta R.T. -0.03 min

Lab File: VU028904.D

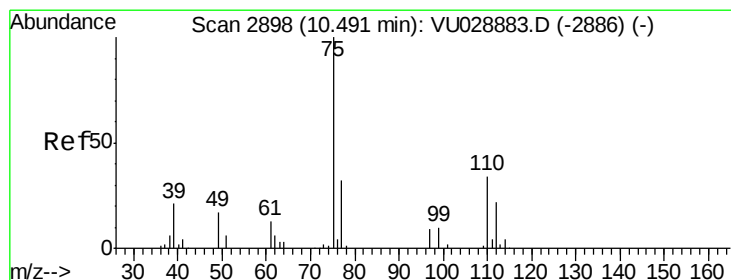
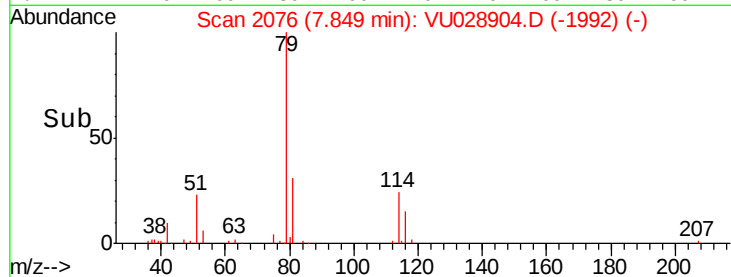
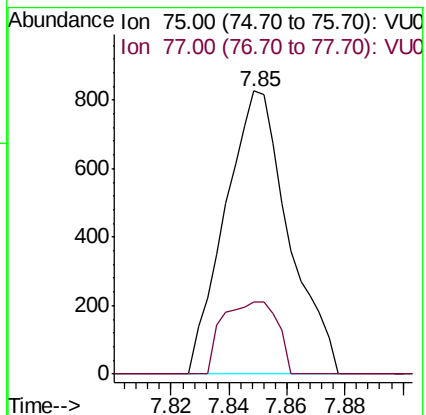
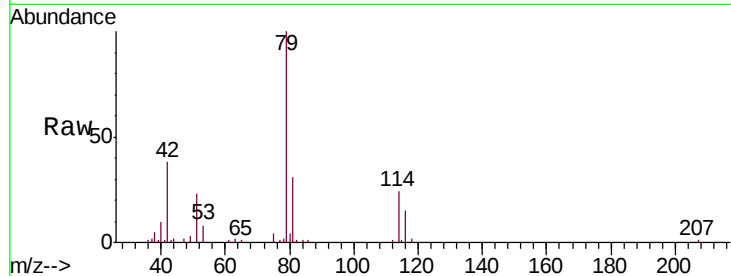
Acq: 22 Dec 2018 03:32

Tgt Ion: 75 Resp: 1257

Ion Ratio Lower Upper

75 100

77 25.4 21.8 40.6



#59

1,2,3-Trichloropropane

Concen: 4.545 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU028904.D

Acq: 22 Dec 2018 03:32

Tgt Ion: 75 Resp: 7786

Ion Ratio Lower Upper

75 100

77 33.7 25.5 38.3

