

Data File : VU028903.D
Acq On : 22 Dec 2018 03:08
Operator : MD/SY
Sample : J6542-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 45 Sample Multiplier: 1

Quant Time: Dec 22 03:53:05 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	170039	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	161453	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	64098	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	59879	43.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.86%
7) Chloroethane-d5	1.67	69	49322	46.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.68%
11) 1,1-Dichloroethene-d2	2.27	63	77891	33.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.96%
21) 2-Butanone-d5	4.18	46	102573	107.40	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	107.40%
24) Chloroform-d	4.65	84	105408	49.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.34%
26) 1,2-Dichloroethane-d4	5.31	65	65994	49.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.88%
32) Benzene-d6	5.34	84	229230	50.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.52%
36) 1,2-Dichloropropane-d6	6.33	67	80371	51.87	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	103.74%
41) Toluene-d8	7.57	98	199209	48.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	96.38%
43) trans-1,3-Dichloropropene-	7.85	79	32172	46.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.68%
47) 2-Hexanone-d5	8.31	63	78636	106.85	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	106.85%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	106310	49.45	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.90%
64) 1,2-Dichlorobenzene-d4	11.86	152	68388	52.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.50%

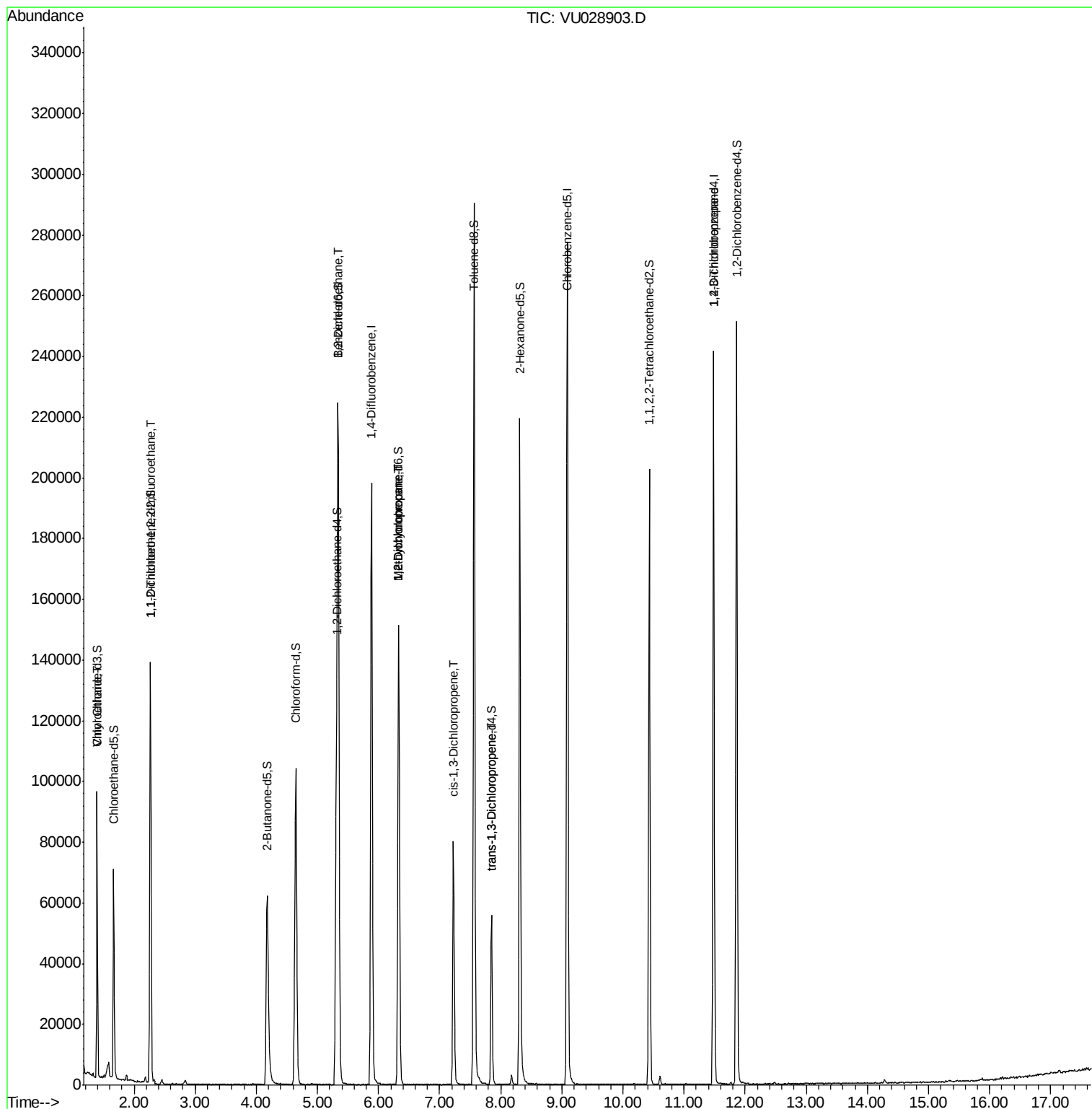
Target Compounds

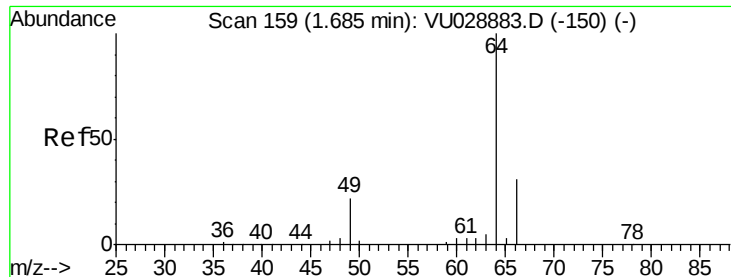
					Qvalue	
8) Chloroethane	1.40	64	833	0.876	ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.26	101	700	0.635	ug/L #	20
27) 1,2-Dichloroethane	5.34	62	1077	0.663	ug/L #	74
35) Methylcyclohexane	6.33	83	16480	7.974	ug/L #	18
37) 1,2-Dichloropropane	6.33	63	7671	5.339	ug/L #	90
39) cis-1,3-Dichloropropene	7.22	75	1589	0.776	ug/L	85
44) trans-1,3-Dichloropropene	7.85	75	1220	0.668	ug/L	97
59) 1,2,3-Trichloropropane	11.48	75	7577	4.419	ug/L	95

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

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#8

Chloroethane

Concen: 0.876 ug/L

RT: 1.40 min Scan# 70

Delta R.T. -0.29 min

Lab File: VU028903.D

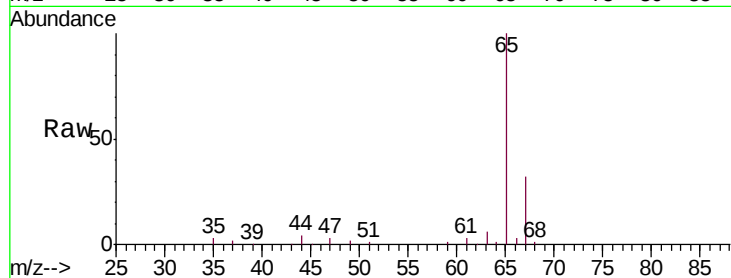
Acq: 22 Dec 2018 03:08

Tgt Ion: 64 Resp: 833

Ion Ratio Lower Upper

64 100

66 195.2 21.5 39.9#



Abundance Ion 64.00 (63.70 to 64.70): VU028883.D (-150) (-)

Ion 66.00 (65.70 to 66.70): VU028883.D (-150) (-)

2000

1500

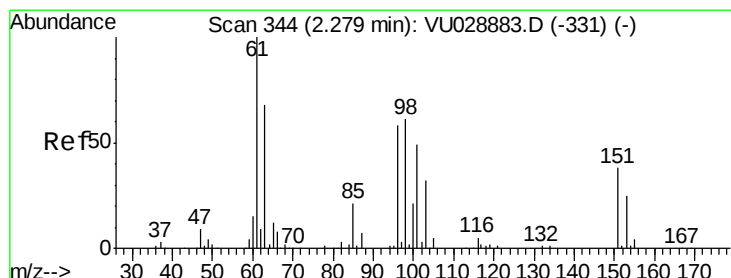
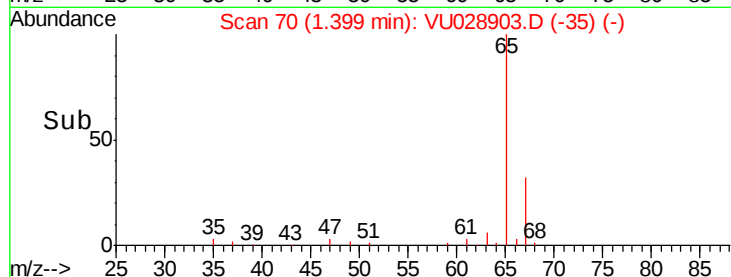
1000

500

0

1.38 1.40 1.42

Time-->



#10

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

Concen: 0.635 ug/L

RT: 2.26 min Scan# 339

Delta R.T. -0.02 min

Lab File: VU028903.D

Acq: 22 Dec 2018 03:08

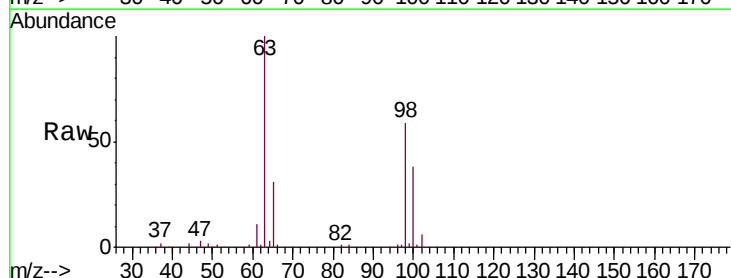
Tgt Ion: 101 Resp: 700

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): VU028883.D (-331) (-)

Ion 85.00 (84.70 to 85.70): VU028883.D (-331) (-)

Ion 151.00 (150.70 to 151.70): VU028883.D (-331) (-)

600

500

400

300

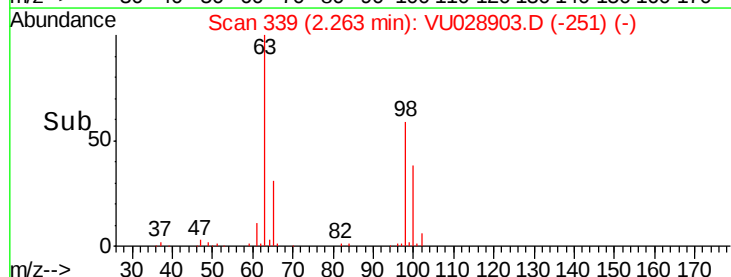
200

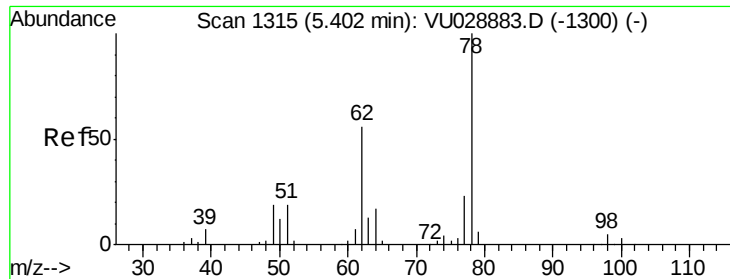
100

0

2.24 2.26 2.28 2.30

Time-->





#27

1,2-Dichloroethane

Concen: 0.663 ug/L

RT: 5.34 min Scan# 1295

Delta R.T. -0.06 min

Lab File: VU028903.D

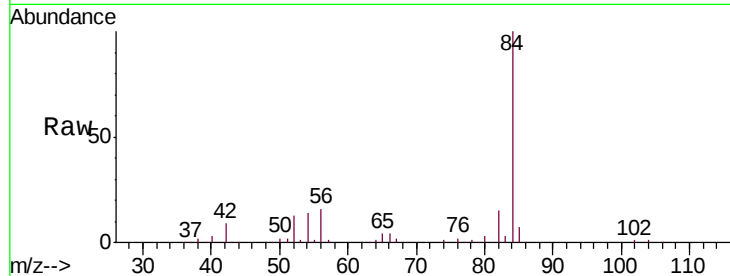
Acq: 22 Dec 2018 03:08

Tgt Ion: 62 Resp: 1077

Ion Ratio Lower Upper

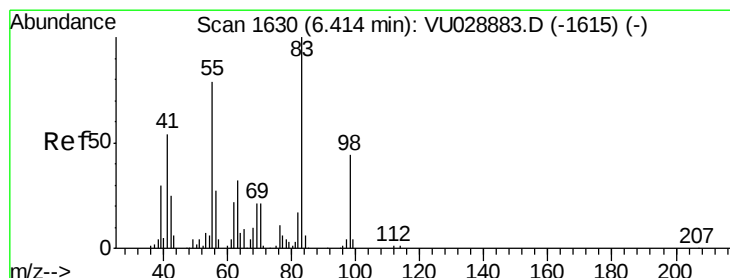
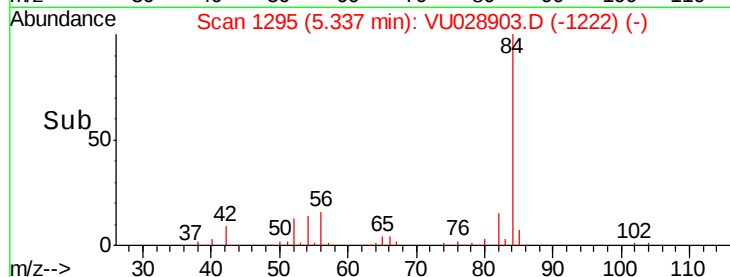
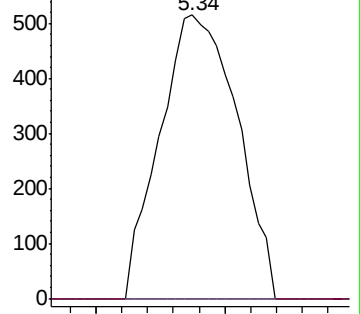
62 100

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



#35

Methylcyclohexane

Concen: 7.974 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.08 min

Lab File: VU028903.D

Acq: 22 Dec 2018 03:08

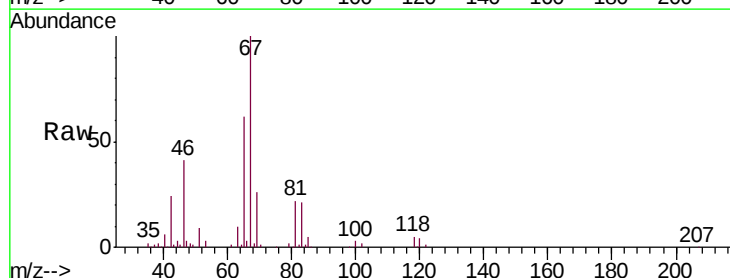
Tgt Ion: 83 Resp: 16480

Ion Ratio Lower Upper

83 100

55 0.0 63.7 95.5#

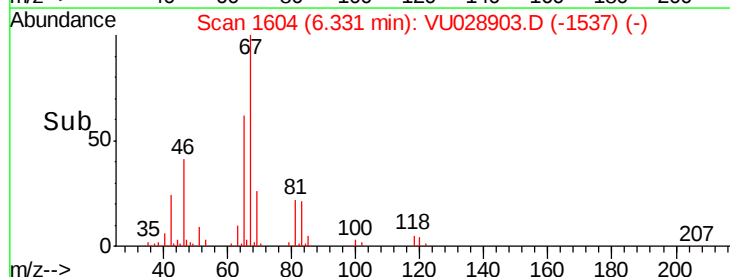
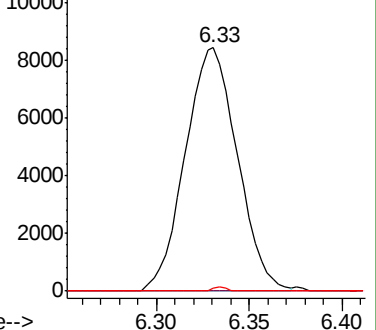
98 0.4 35.6 53.4#

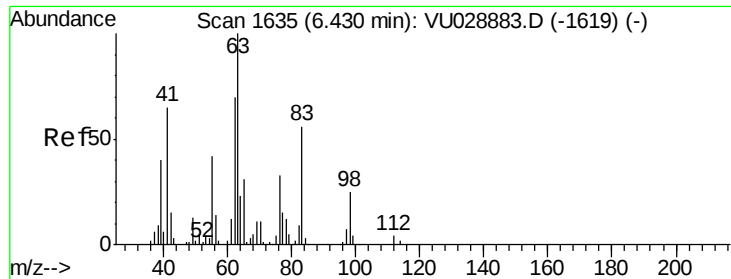


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

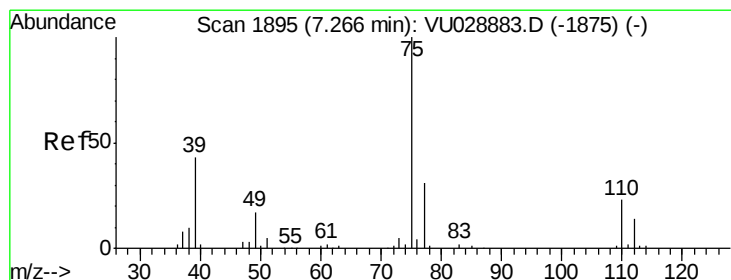
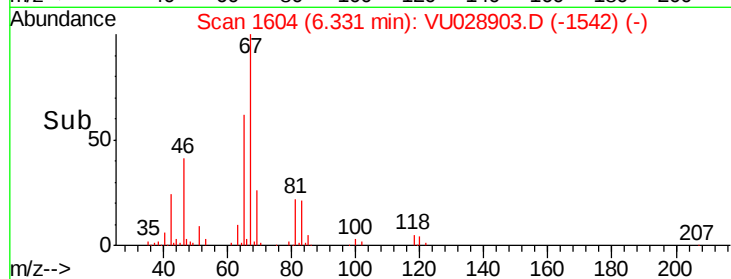
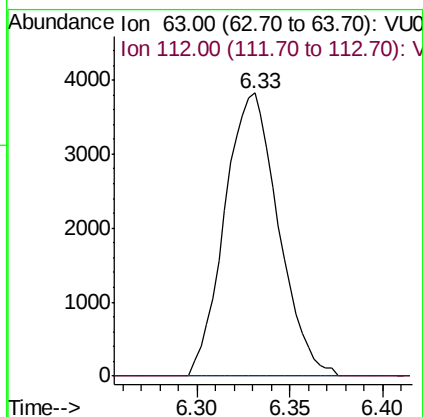
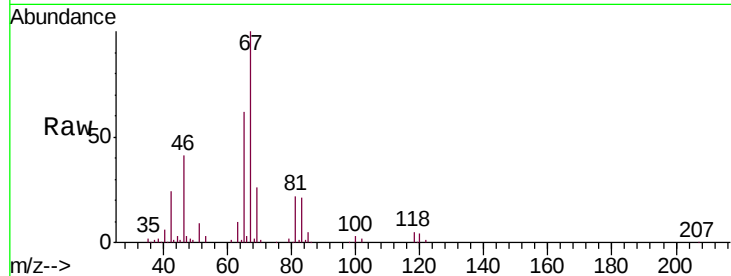
Ion 98.00 (97.70 to 98.70): VU0





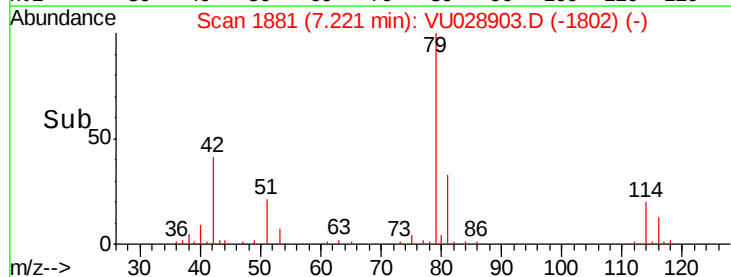
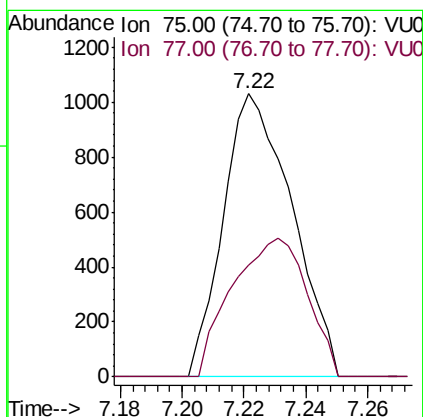
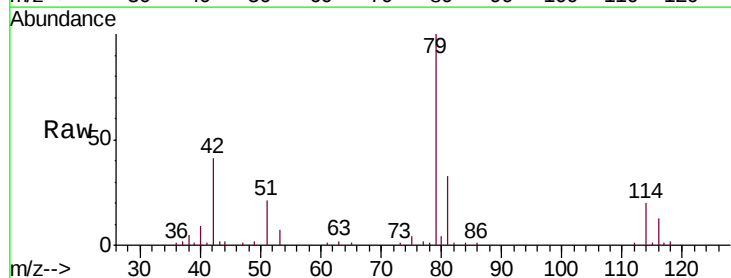
#37
 1,2-Dichloropropane
 Concen: 5.339 ug/L
 RT: 6.33 min Scan# 1604
 Delta R.T. -0.10 min
 Lab File: VU028903.D
 Acq: 22 Dec 2018 03:08

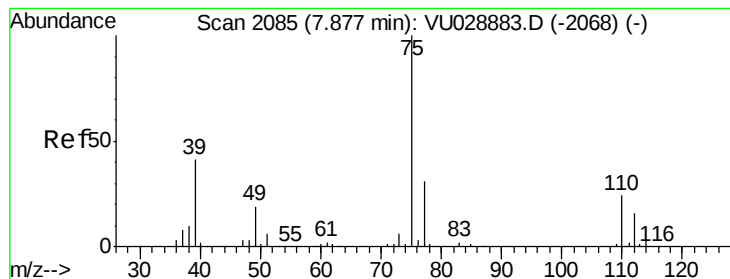
Tgt Ion: 63 Resp: 7671
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.7 4.1#



#39
 cis-1,3-Dichloropropene
 Concen: 0.776 ug/L
 RT: 7.22 min Scan# 1881
 Delta R.T. -0.04 min
 Lab File: VU028903.D
 Acq: 22 Dec 2018 03:08

Tgt Ion: 75 Resp: 1589
 Ion Ratio Lower Upper
 75 100
 77 39.7 21.8 40.6





#44

trans-1,3-Dichloropropene

Concen: 0.668 ug/L

RT: 7.85 min Scan# 2075

Delta R.T. -0.03 min

Lab File: VU028903.D

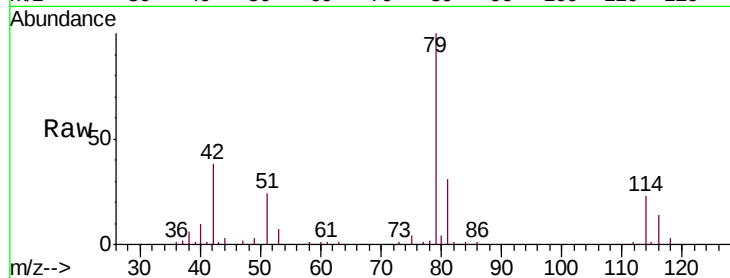
Acq: 22 Dec 2018 03:08

Tgt Ion: 75 Resp: 1220

Ion Ratio Lower Upper

75 100

77 32.7 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

800

600

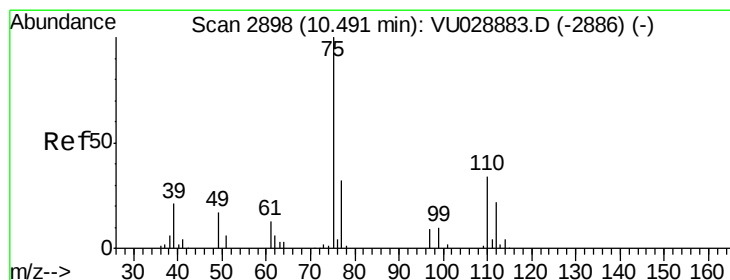
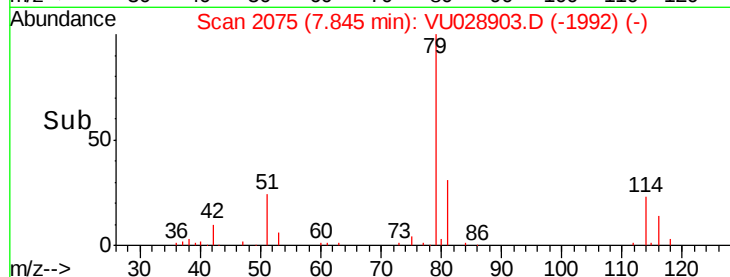
400

200

0

7.82 7.84 7.86 7.88

Time-->



#59

1,2,3-Trichloropropane

Concen: 4.419 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU028903.D

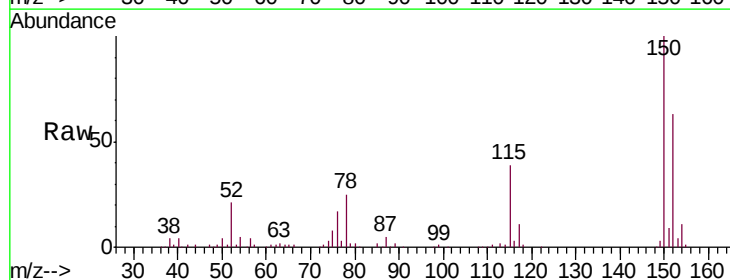
Acq: 22 Dec 2018 03:08

Tgt Ion: 75 Resp: 7577

Ion Ratio Lower Upper

75 100

77 35.0 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

5000

4000

3000

2000

1000

0

11.45 11.50

Time-->

