

Data File : VU028900.D
Acq On : 22 Dec 2018 01:55
Operator : MD/SY
Sample : J6542-01
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 42 Sample Multiplier: 1

Quant Time: Dec 22 03:49:50 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	176789	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	165775	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	66978	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	60766	42.87	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.74%
7) Chloroethane-d5	1.66	69	49044	44.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.60%
11) 1,1-Dichloroethene-d2	2.27	63	78734	33.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.06%
21) 2-Butanone-d5	4.18	46	104946	105.69	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.69%
24) Chloroform-d	4.65	84	105429	47.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.60%
26) 1,2-Dichloroethane-d4	5.30	65	66315	48.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.54%
32) Benzene-d6	5.34	84	231767	49.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.98%
36) 1,2-Dichloropropane-d6	6.33	67	81141	51.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.00%
41) Toluene-d8	7.57	98	202709	47.76	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.52%
43) trans-1,3-Dichloropropene-	7.85	79	32182	45.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.28%
47) 2-Hexanone-d5	8.31	63	80051	105.94	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.94%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	109931	49.80	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.60%
64) 1,2-Dichlorobenzene-d4	11.86	152	69679	51.44	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.88%

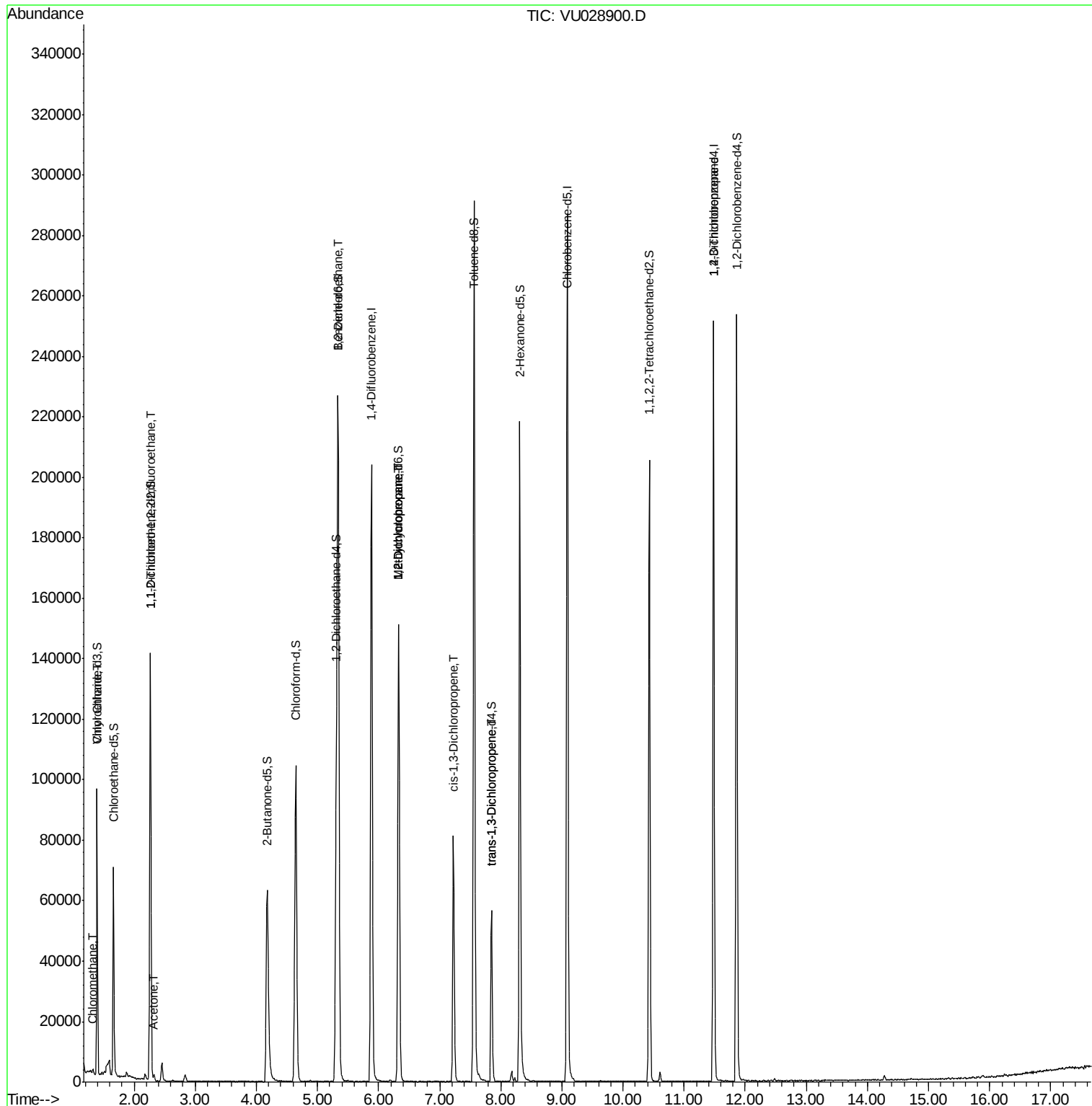
Target Compounds

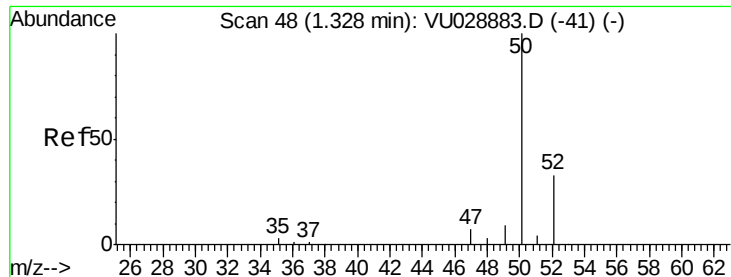
					Qvalue
3) Chloromethane	1.33	50	1303	0.665 ug/L	99
8) Chloroethane	1.40	64	948	0.959 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	849	0.741 ug/L #	20
13) Acetone	2.32	43	740	0.731 ug/L	69
27) 1,2-Dichloroethane	5.34	62	1064	0.630 ug/L #	74
35) Methylcyclohexane	6.33	83	17226	8.117 ug/L #	17
37) 1,2-Dichloropropane	6.33	63	7651	5.186 ug/L #	90
39) cis-1,3-Dichloropropene	7.22	75	1593	0.757 ug/L #	78
44) trans-1,3-Dichloropropene	7.85	75	1118	0.596 ug/L #	56
59) 1,2,3-Trichloropropane	11.48	75	8356	4.746 ug/L	99

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

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#3

Chloromethane

Concen: 0.665 ug/L

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028900.D

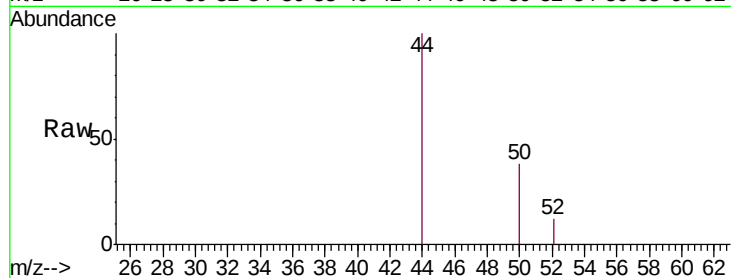
Acq: 22 Dec 2018 01:55

Tgt Ion: 50 Resp: 1303

Ion Ratio Lower Upper

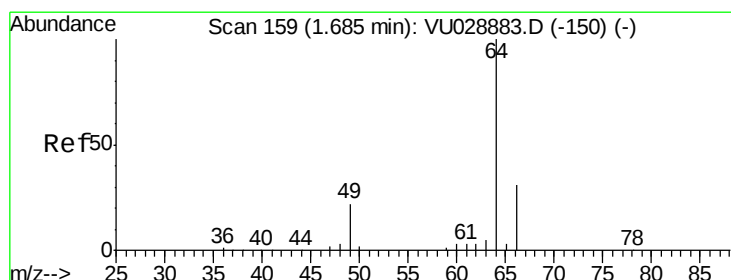
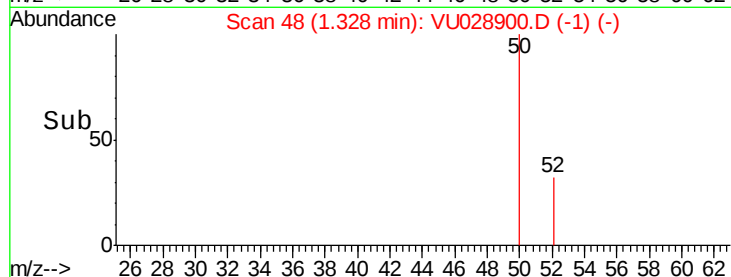
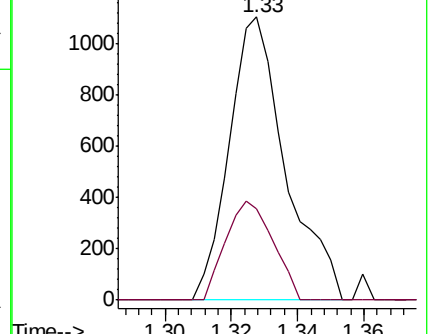
50 100

52 32.2 22.3 41.3



Abundance Ion 50.00 (49.70 to 50.70): VU0

Ion 52.00 (51.70 to 52.70): VU0



#8

Chloroethane

Concen: 0.959 ug/L

RT: 1.40 min Scan# 70

Delta R.T. -0.29 min

Lab File: VU028900.D

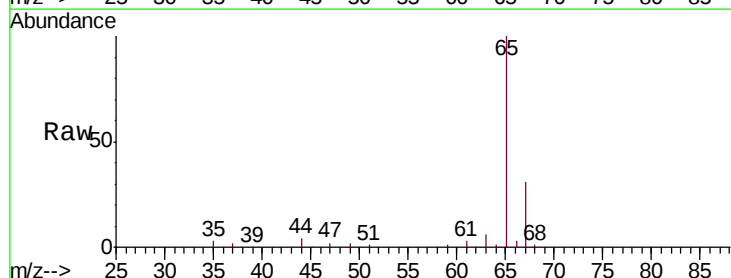
Acq: 22 Dec 2018 01:55

Tgt Ion: 64 Resp: 948

Ion Ratio Lower Upper

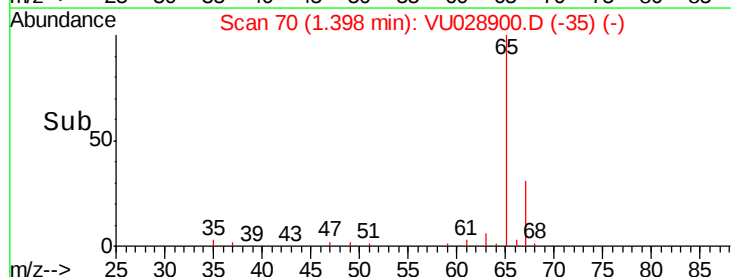
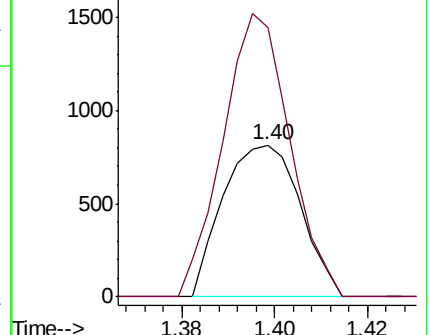
64 100

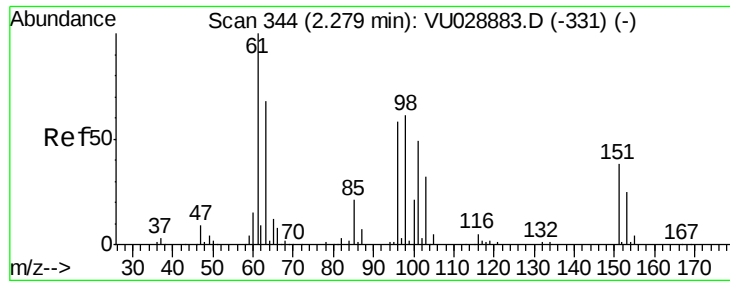
66 177.4 21.5 39.9#



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: 0.741 ug/L

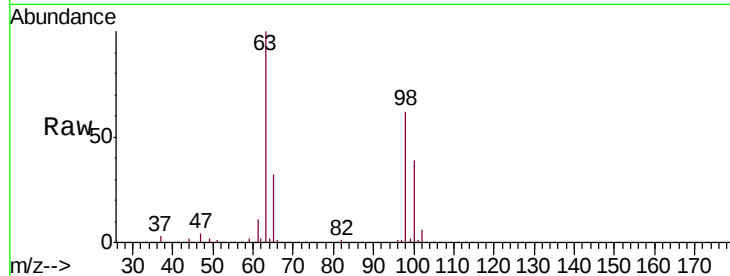
RT: 2.27 min Scan# 341

Delta R.T. -0.01 min

Lab File: VU028900.D

Acq: 22 Dec 2018 01:55

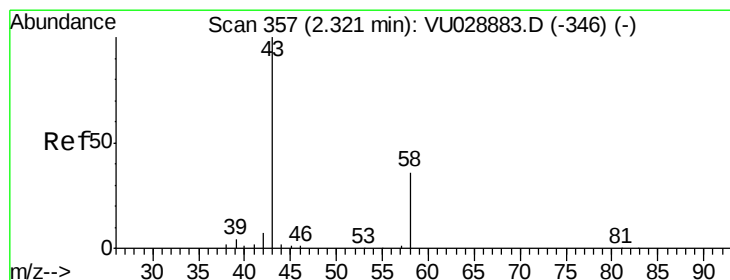
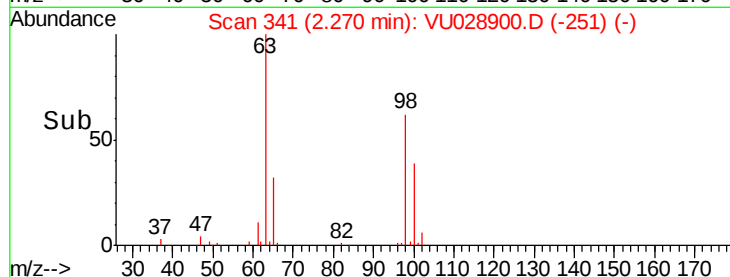
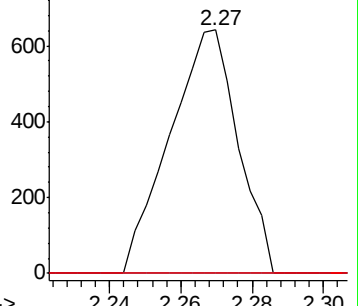
Tgt Ion:	101	Resp:	849
Ion	Ratio	Lower	Upper
101	100		
85	0.0	33.8	50.6#
151	0.0	59.4	89.0#



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



#13

Acetone

Concen: 0.731 ug/L

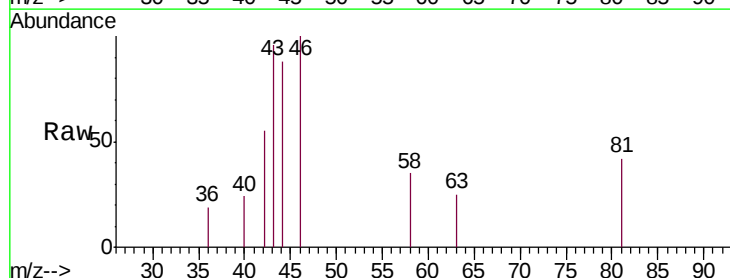
RT: 2.32 min Scan# 358

Delta R.T. 0.00 min

Lab File: VU028900.D

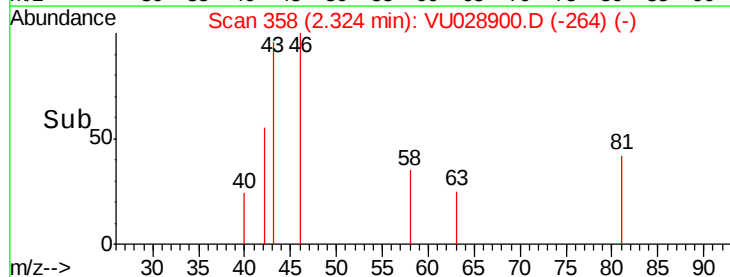
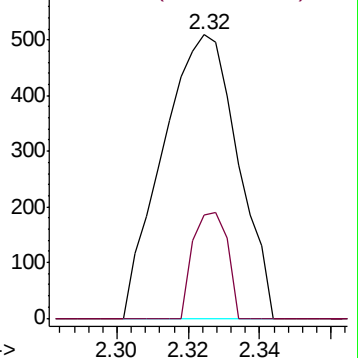
Acq: 22 Dec 2018 01:55

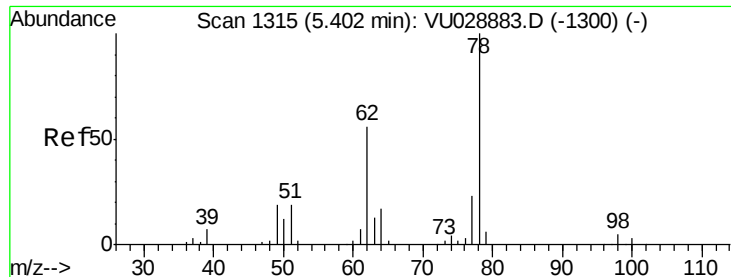
Tgt Ion:	43	Resp:	740
Ion	Ratio	Lower	Upper
43	100		
58	17.2	0.0	70.2



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0





#27

1,2-Dichloroethane

Concen: 0.630 ug/L

RT: 5.34 min Scan# 1295

Delta R.T. -0.06 min

Lab File: VU028900.D

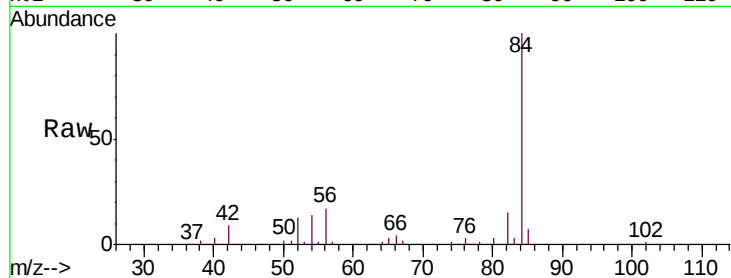
Acq: 22 Dec 2018 01:55

Tgt Ion: 62 Resp: 1064

Ion Ratio Lower Upper

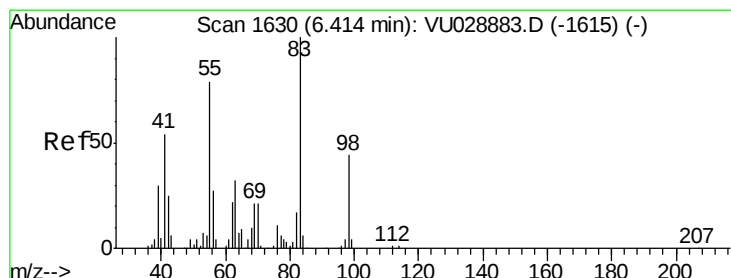
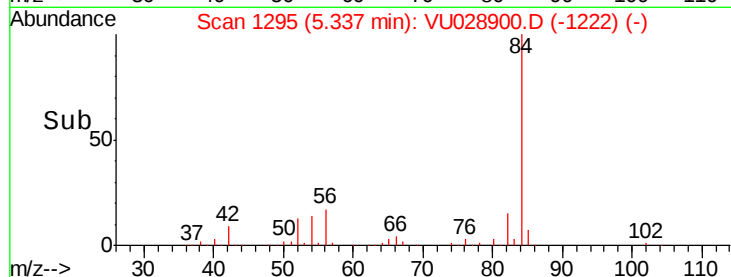
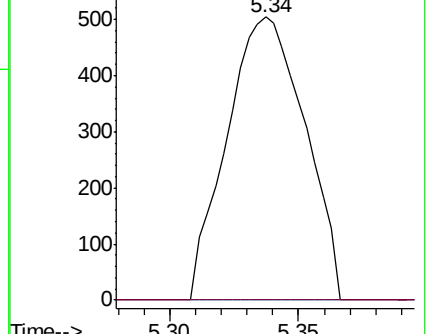
62 100

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: 8.117 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.08 min

Lab File: VU028900.D

Acq: 22 Dec 2018 01:55

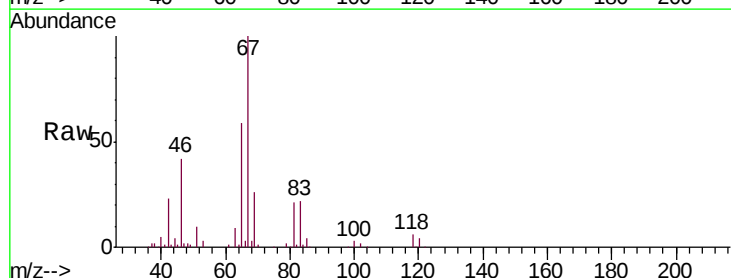
Tgt Ion: 83 Resp: 17226

Ion Ratio Lower Upper

83 100

55 0.0 63.7 95.5#

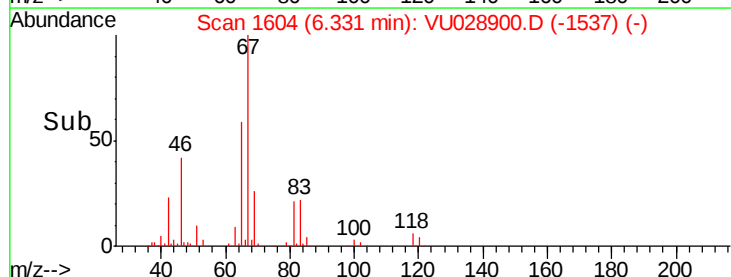
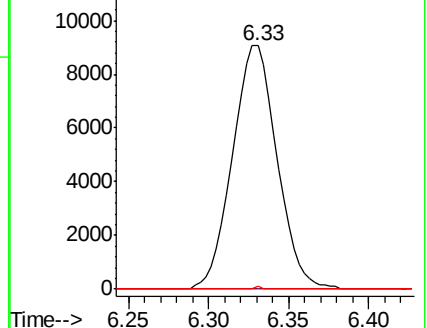
98 0.0 35.6 53.4#

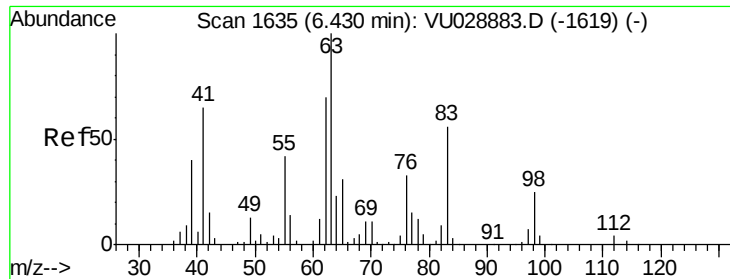


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

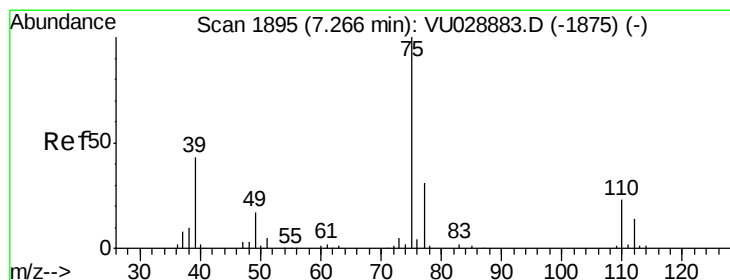
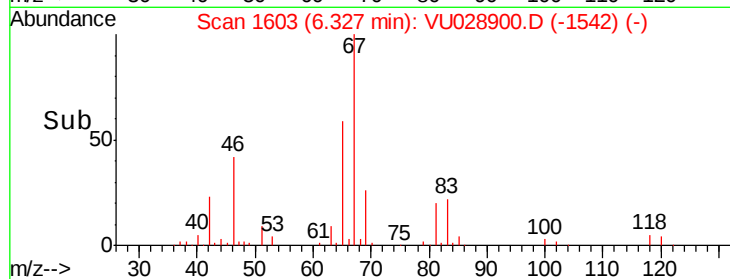
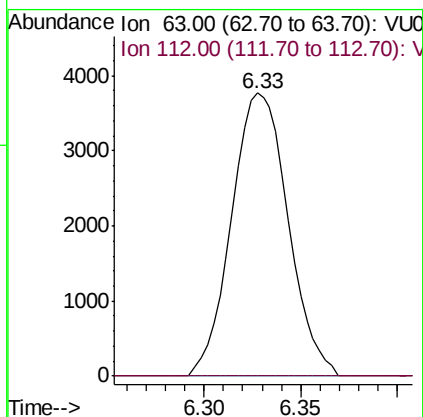
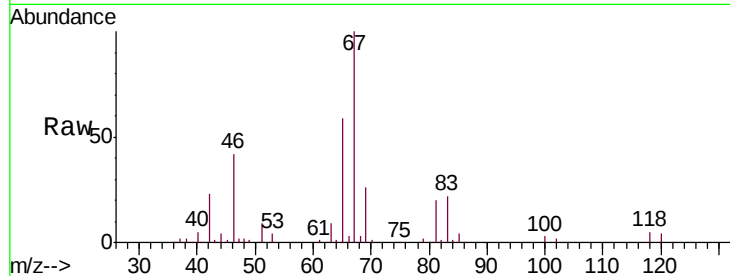
Ion 98.00 (97.70 to 98.70): VU0





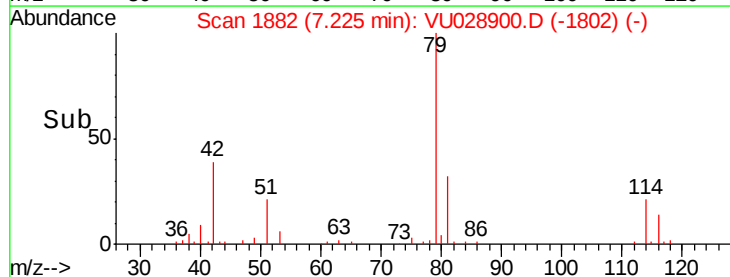
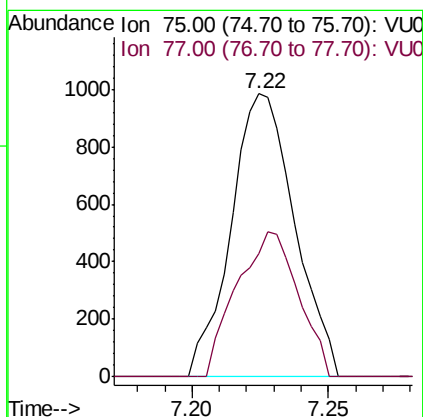
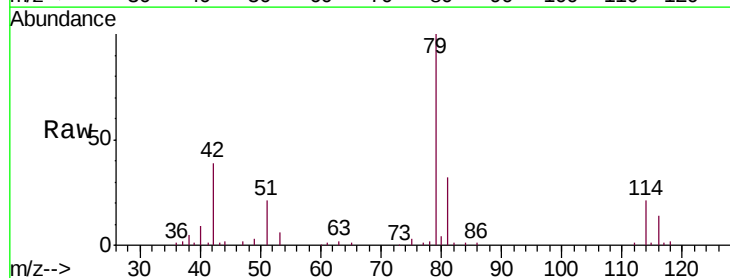
#37
 1,2-Dichloropropane
 Concen: 5.186 ug/L
 RT: 6.33 min Scan# 1603
 Delta R.T. -0.10 min
 Lab File: VU028900.D
 Acq: 22 Dec 2018 01:55

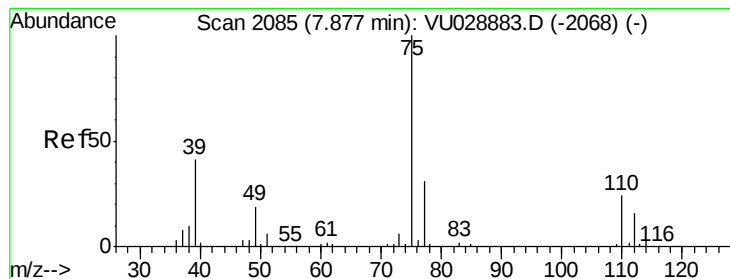
Tgt Ion: 63 Resp: 7651
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.7 4.1#



#39
 cis-1,3-Dichloropropene
 Concen: 0.757 ug/L
 RT: 7.22 min Scan# 1882
 Delta R.T. -0.04 min
 Lab File: VU028900.D
 Acq: 22 Dec 2018 01:55

Tgt Ion: 75 Resp: 1593
 Ion Ratio Lower Upper
 75 100
 77 43.4 21.8 40.6#





#44

trans-1,3-Dichloropropene

Concen: 0.596 ug/L

RT: 7.85 min Scan# 2076

Delta R.T. -0.03 min

Lab File: VU028900.D

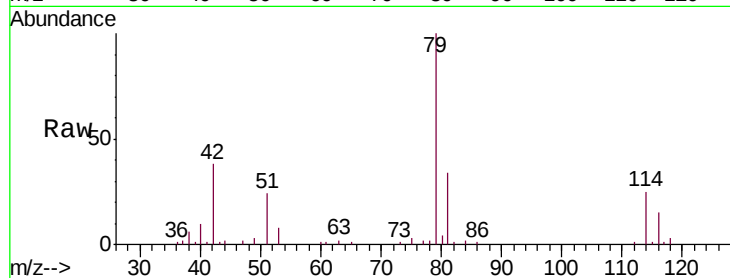
Acq: 22 Dec 2018 01:55

Tgt Ion: 75 Resp: 1118

Ion Ratio Lower Upper

75 100

77 55.4 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

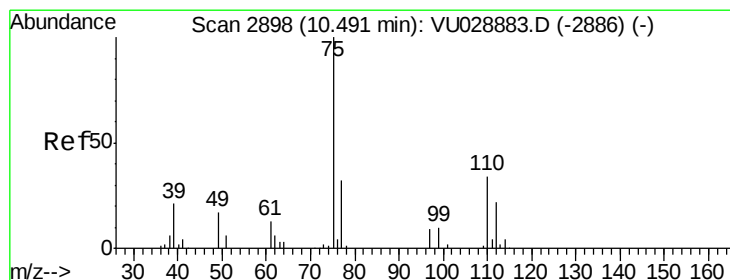
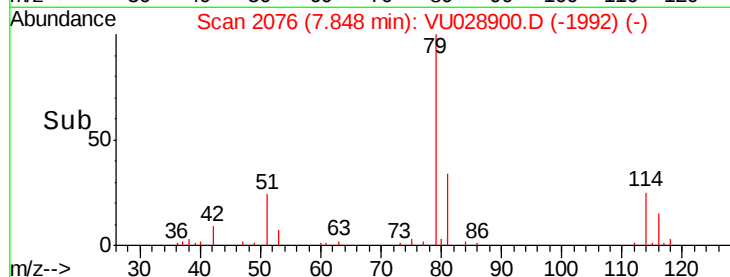
600

400

200

0

Time-->



#59

1,2,3-Trichloropropane

Concen: 4.746 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU028900.D

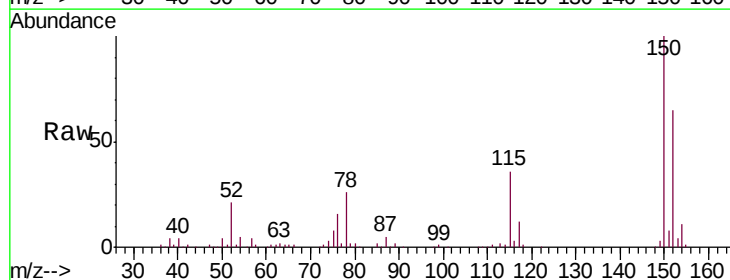
Acq: 22 Dec 2018 01:55

Tgt Ion: 75 Resp: 8356

Ion Ratio Lower Upper

75 100

77 31.2 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

6000

5000

4000

3000

2000

1000

0

Time-->

