

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122118\
 Data File : VU028863.D
 Acq On : 21 Dec 2018 10:52
 Operator : MD/SY
 Sample : J6507-12
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Dec 21 23:30:40 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	173975	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	164503	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	68565	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	67062	48.08	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.16%
7) Chloroethane-d5	1.67	69	53885	50.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	100.04%
11) 1,1-Dichloroethene-d2	2.27	63	87079	37.13	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.26%
21) 2-Butanone-d5	4.18	46	118651	121.42	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	121.42%
24) Chloroform-d	4.65	84	113556	51.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.56%
26) 1,2-Dichloroethane-d4	5.31	65	73838	54.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.24%
32) Benzene-d6	5.34	84	246043	52.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	105.88%
36) 1,2-Dichloropropane-d6	6.33	67	86971	55.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	110.18%
41) Toluene-d8	7.56	98	214633	50.96	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.92%
43) trans-1,3-Dichloropropene-	7.85	79	37093	52.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.86%
47) 2-Hexanone-d5	8.31	63	93361	124.51	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	124.51%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	119430	54.53	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	109.06%
64) 1,2-Dichlorobenzene-d4	11.86	152	75634	54.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.08%

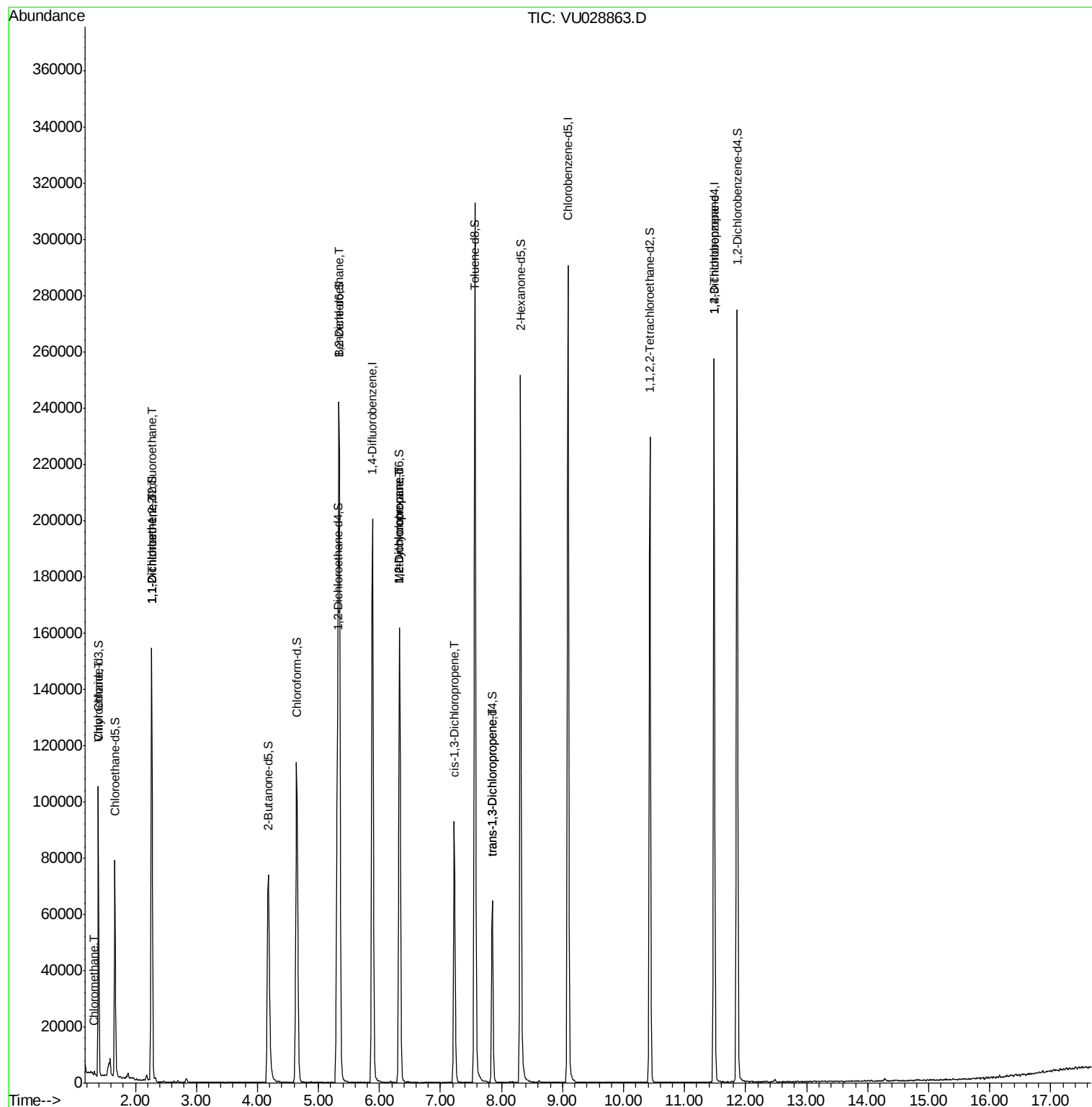
Target Compounds

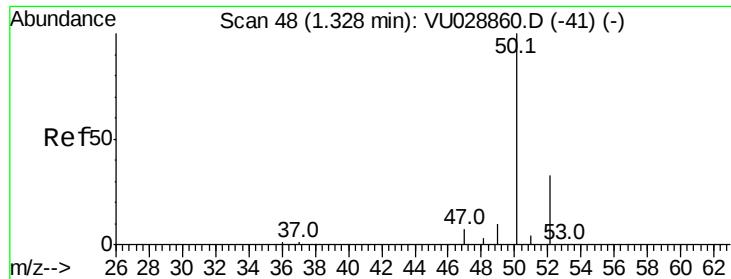
					Ovalue
3) Chloromethane	1.33	50	1336	0.693 ug/L	92
8) Chloroethane	1.40	64	942	0.968 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	710	0.630 ug/L #	20
12) 1,1-Dichloroethene	2.26	96	615	0.551 ug/L #	1
27) 1,2-Dichloroethane	5.34	62	1249	0.752 ug/L #	74
35) Methylcyclohexane	6.33	83	18039	8.566 ug/L #	18
37) 1,2-Dichloropropane	6.33	63	8327	5.688 ug/L #	90
39) cis-1,3-Dichloropropene	7.22	75	1772	0.849 ug/L #	44
44) trans-1,3-Dichloropropene	7.85	75	1402	0.754 ug/L	84
59) 1,2,3-Trichloropropane	11.48	75	8542	4.889 ug/L	99

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

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#3

Chloromethane

Concen: 0.693 ug/L

RT: 1.33 min Scan# 48

Delta R.T. -0.00 min

Lab File: VU028863.D

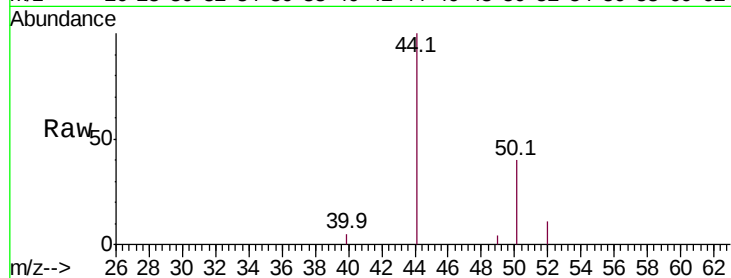
Acq: 21 Dec 2018 10:52

Tot Ion: 50 Resp: 1336

Ion Ratio Lower Upper

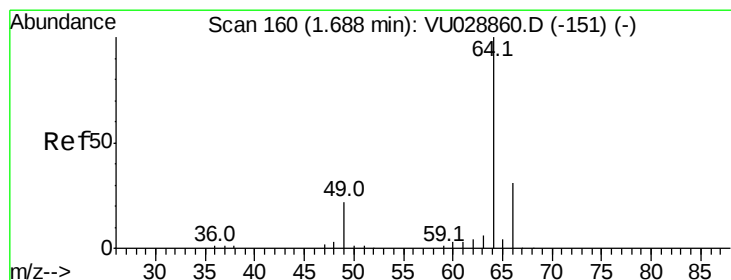
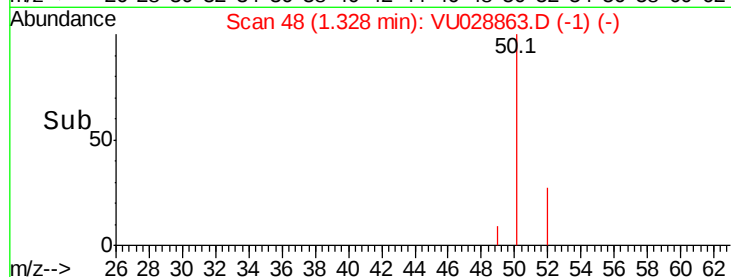
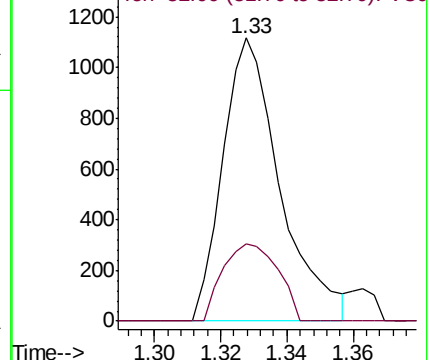
50 100

52 27.3 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: 0.968 ug/L

RT: 1.40 min Scan# 70

Delta R.T. -0.29 min

Lab File: VU028863.D

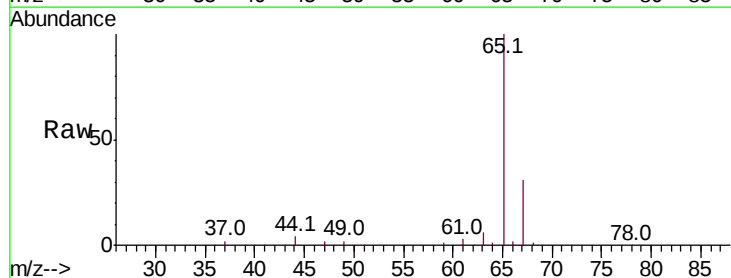
Acq: 21 Dec 2018 10:52

Tgt Ion: 64 Resp: 942

Ion Ratio Lower Upper

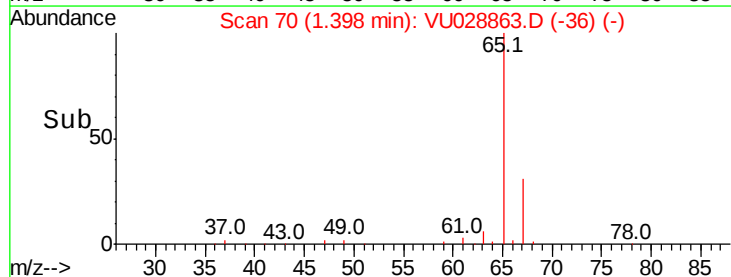
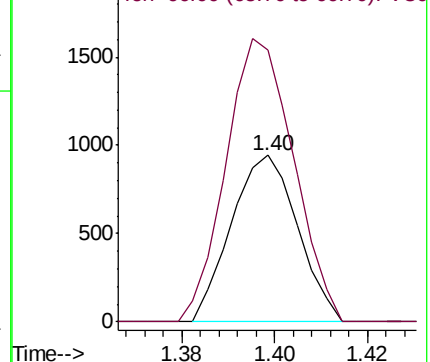
64 100

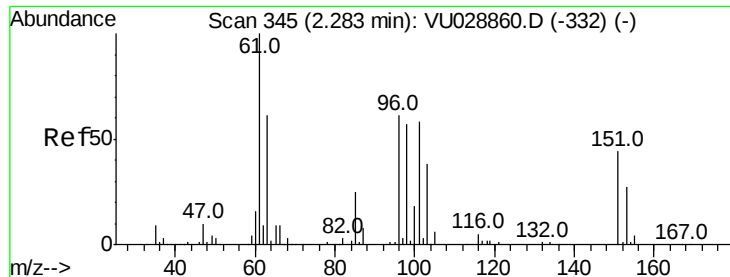
66 163.0 21.5 39.9#



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: 0.630 ug/L

RT: 2.27 min Scan# 340

Delta R.T. -0.02 min

Lab File: VU028863.D

Acq: 21 Dec 2018 10:52

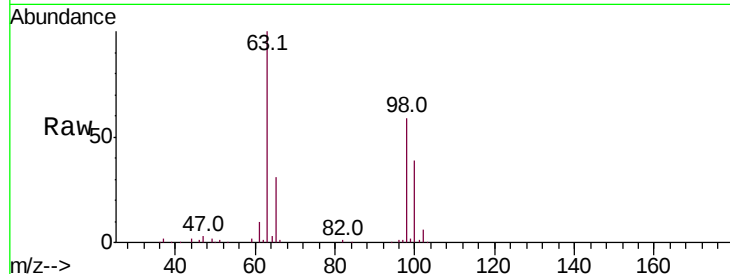
Tot Ion:101 Resp: 710

Ion Ratio Lower Upper

101 100

85 0.0 33.8 50.6#

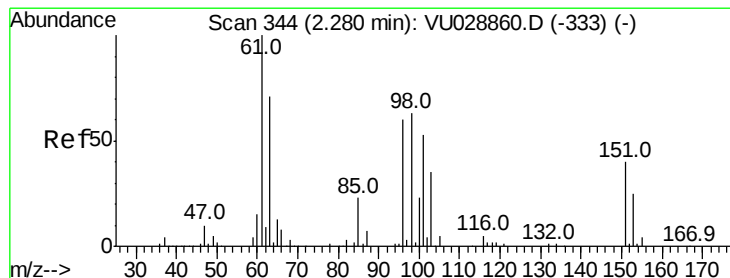
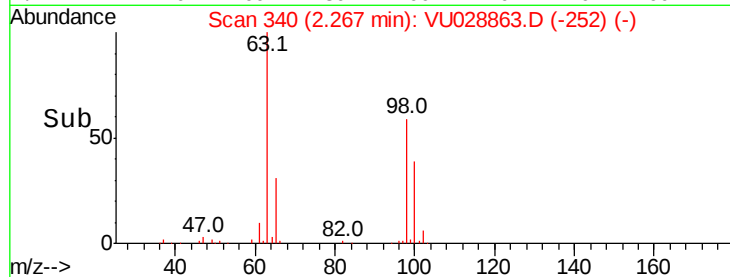
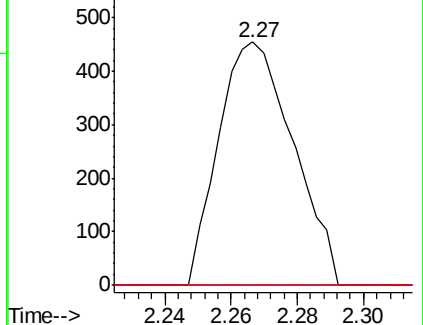
151 0.0 59.4 89.0#



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: 0.551 ug/L

RT: 2.26 min Scan# 339

Delta R.T. -0.02 min

Lab File: VU028863.D

Acq: 21 Dec 2018 10:52

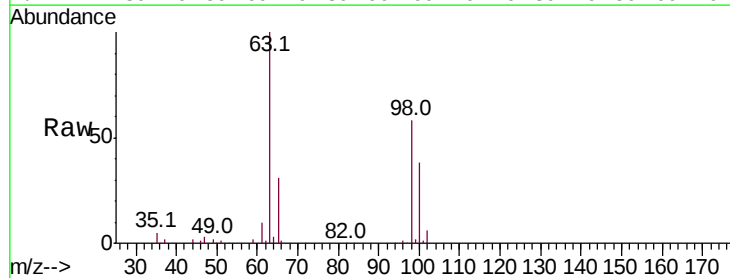
Tgt Ion: 96 Resp: 615

Ion Ratio Lower Upper

96 100

61 1320.6 119.3 221.5#

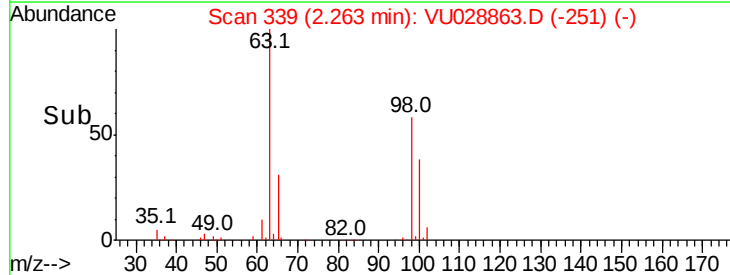
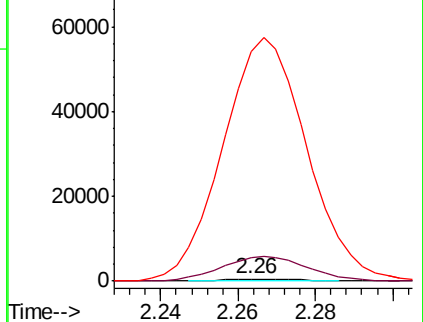
63 12680.1 107.4 199.6#

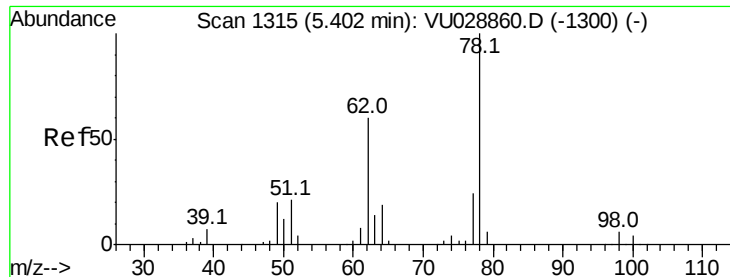


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#27

1,2-Dichloroethane

Concen: 0.752 ug/L

RT: 5.34 min Scan# 1296

Delta R.T. -0.06 min

Lab File: VU028863.D

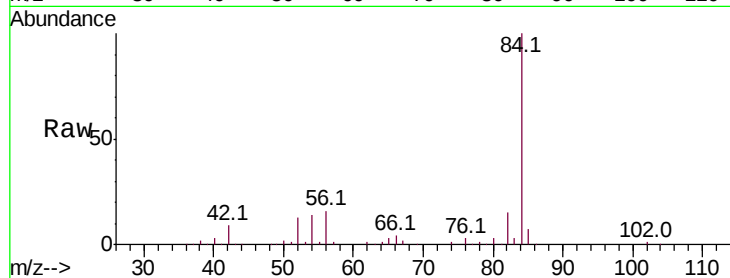
Acq: 21 Dec 2018 10:52

Tot Ion: 62 Resp: 1249

Ion Ratio Lower Upper

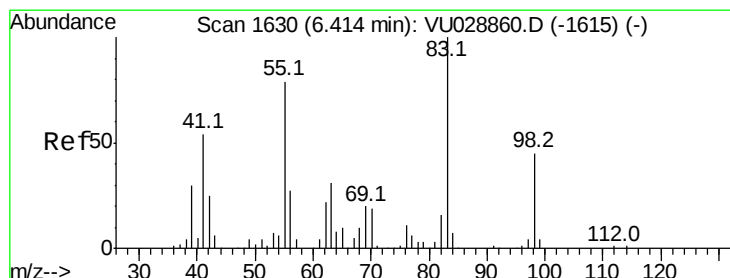
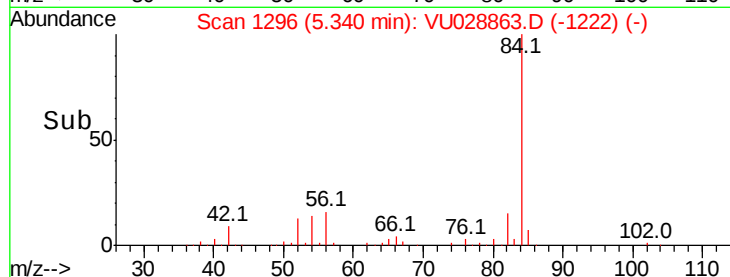
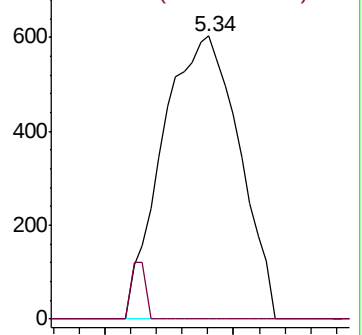
62 100

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: 8.566 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.08 min

Lab File: VU028863.D

Acq: 21 Dec 2018 10:52

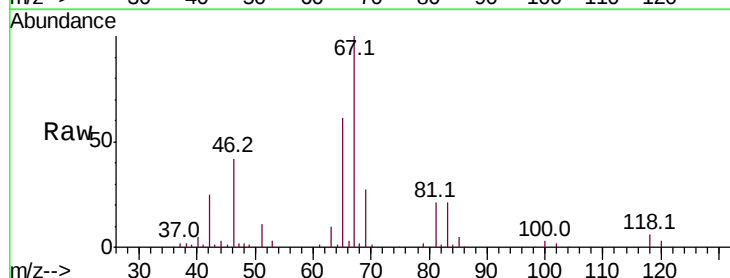
Tgt Ion: 83 Resp: 18039

Ion Ratio Lower Upper

83 100

55 0.0 63.7 95.5#

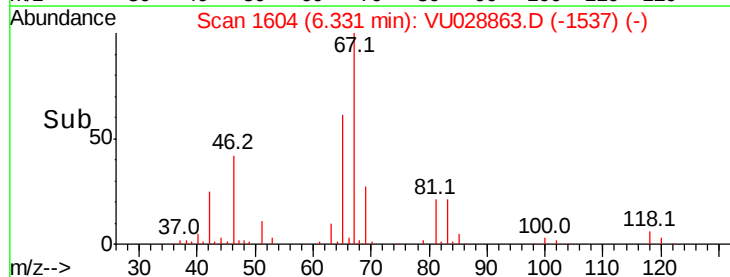
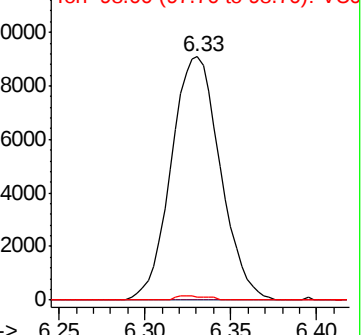
98 0.2 35.6 53.4#

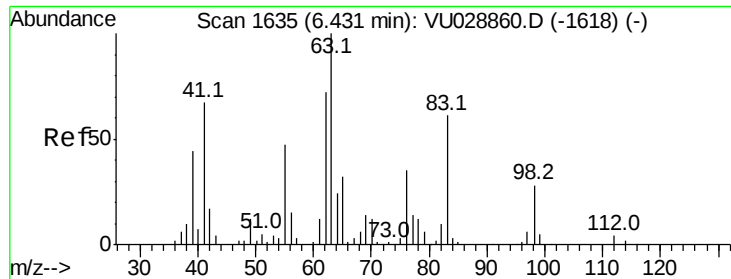


Abundance Ion 83.00 (82.70 to 83.70): VU0

Ion 55.00 (54.70 to 55.70): VU0

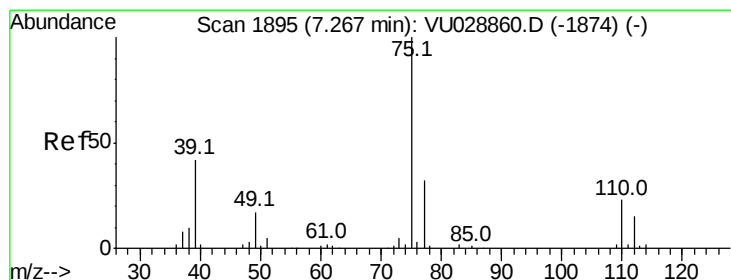
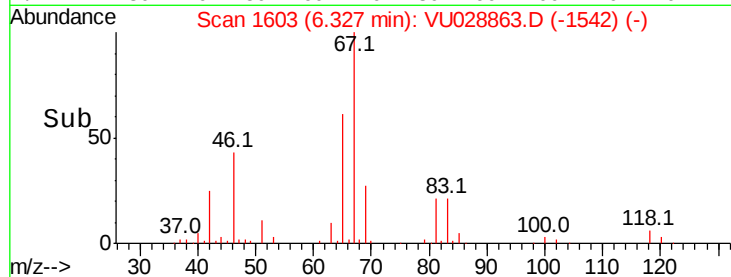
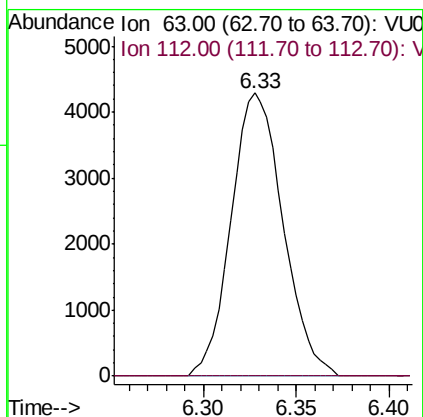
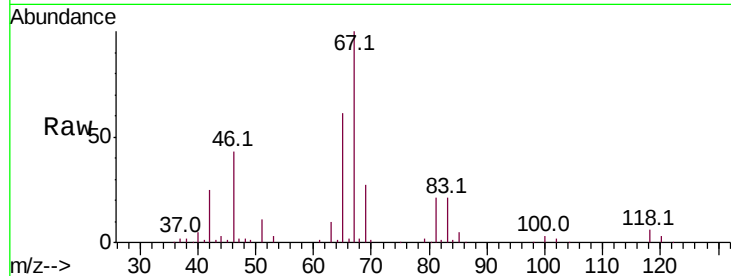
Ion 98.00 (97.70 to 98.70): VU0





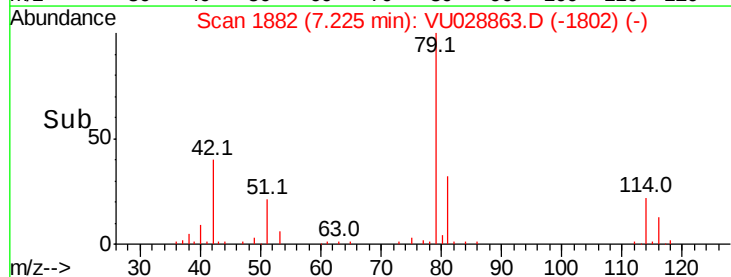
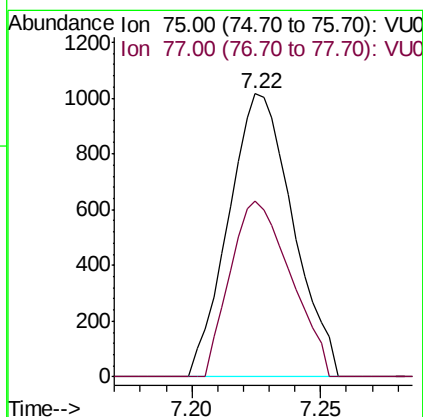
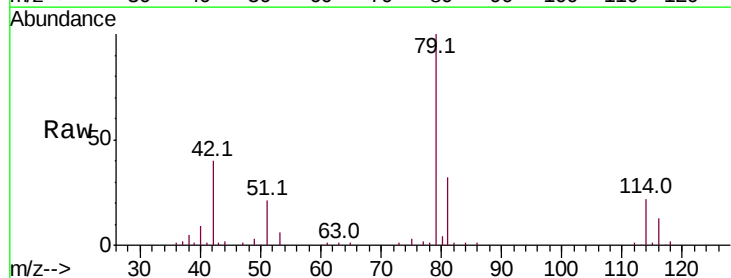
#37
 1,2-Dichloropropane
 Concen: 5.688 ug/L
 RT: 6.33 min Scan# 1603
 Delta R.T. -0.10 min
 Lab File: VU028863.D
 Acq: 21 Dec 2018 10:52

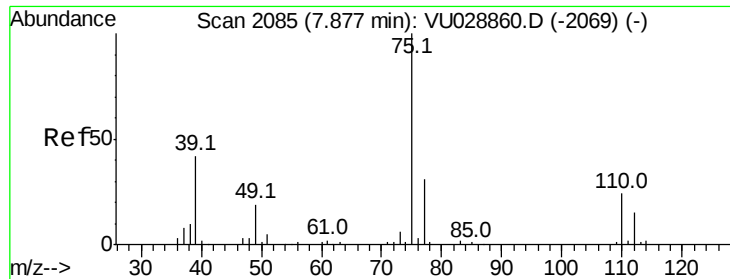
Tot Ion: 63 Resp: 8327
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.7 4.1#



#39
 cis-1,3-Dichloropropene
 Concen: 0.849 ug/L
 RT: 7.22 min Scan# 1882
 Delta R.T. -0.04 min
 Lab File: VU028863.D
 Acq: 21 Dec 2018 10:52

Tgt Ion: 75 Resp: 1772
 Ion Ratio Lower Upper
 75 100
 77 62.1 21.8 40.6#





#44

trans-1,3-Dichloropropene

Concen: 0.754 ug/L

RT: 7.85 min Scan# 2077

Delta R.T. -0.03 min

Lab File: VU028863.D

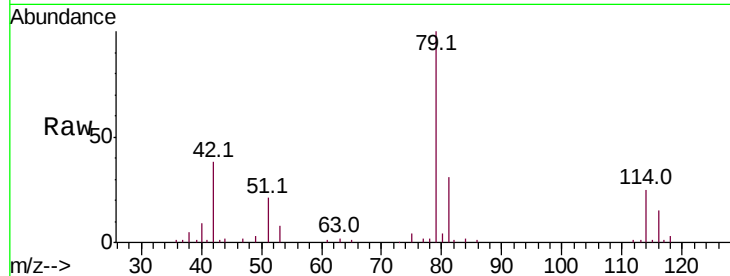
Acq: 21 Dec 2018 10:52

Tot Ion: 75 Resp: 1402

Ion Ratio Lower Upper

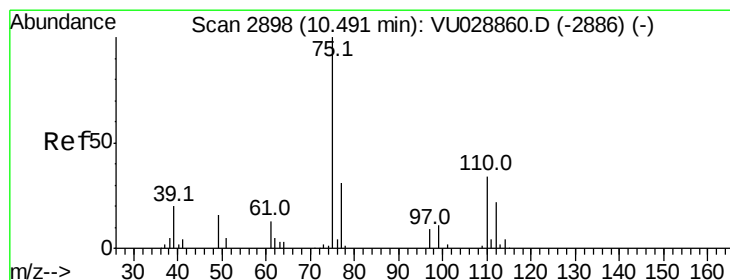
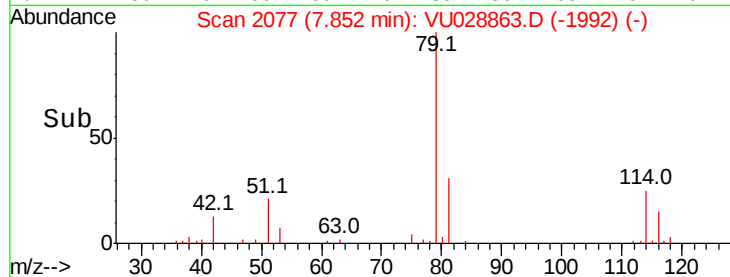
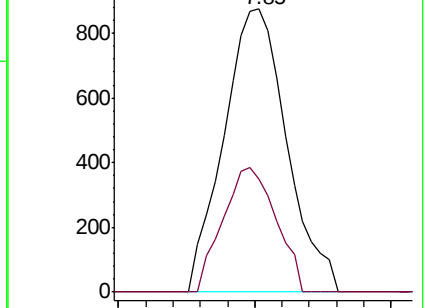
75 100

77 40.2 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0



#59

1,2,3-Trichloropropane

Concen: 4.889 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU028863.D

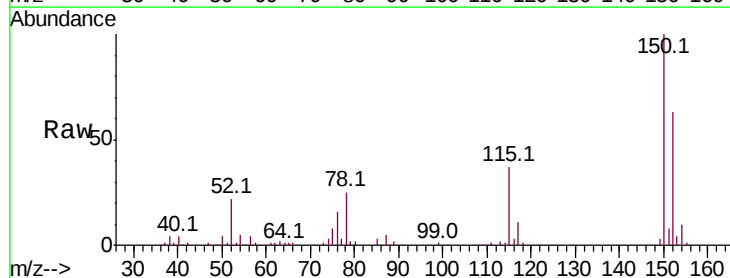
Acq: 21 Dec 2018 10:52

Tgt Ion: 75 Resp: 8542

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

