

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU122118\
 Data File : VU028862.D
 Acq On : 21 Dec 2018 10:28
 Operator : MD/SY
 Sample : VU1221MBL01
 Misc : 5.00g/5mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 21 23:30:34 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	183190	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	171728	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	71972	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	71406	48.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.24%
7) Chloroethane-d5	1.67	69	56189	49.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	99.06%
11) 1,1-Dichloroethene-d2	2.27	63	92911	37.62	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	75.24%
21) 2-Butanone-d5	4.18	46	119689	116.32	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	116.32%
24) Chloroform-d	4.65	84	116591	50.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.98%
26) 1,2-Dichloroethane-d4	5.31	65	75693	53.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.34%
32) Benzene-d6	5.34	84	259684	53.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.06%
36) 1,2-Dichloropropane-d6	6.33	67	89150	54.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	108.18%
41) Toluene-d8	7.56	98	222887	50.70	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.40%
43) trans-1,3-Dichloropropene-	7.85	79	38425	52.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.06%
47) 2-Hexanone-d5	8.31	63	93803	119.83	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	119.83%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	121296	53.05	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	106.10%
64) 1,2-Dichlorobenzene-d4	11.86	152	79784	54.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.62%

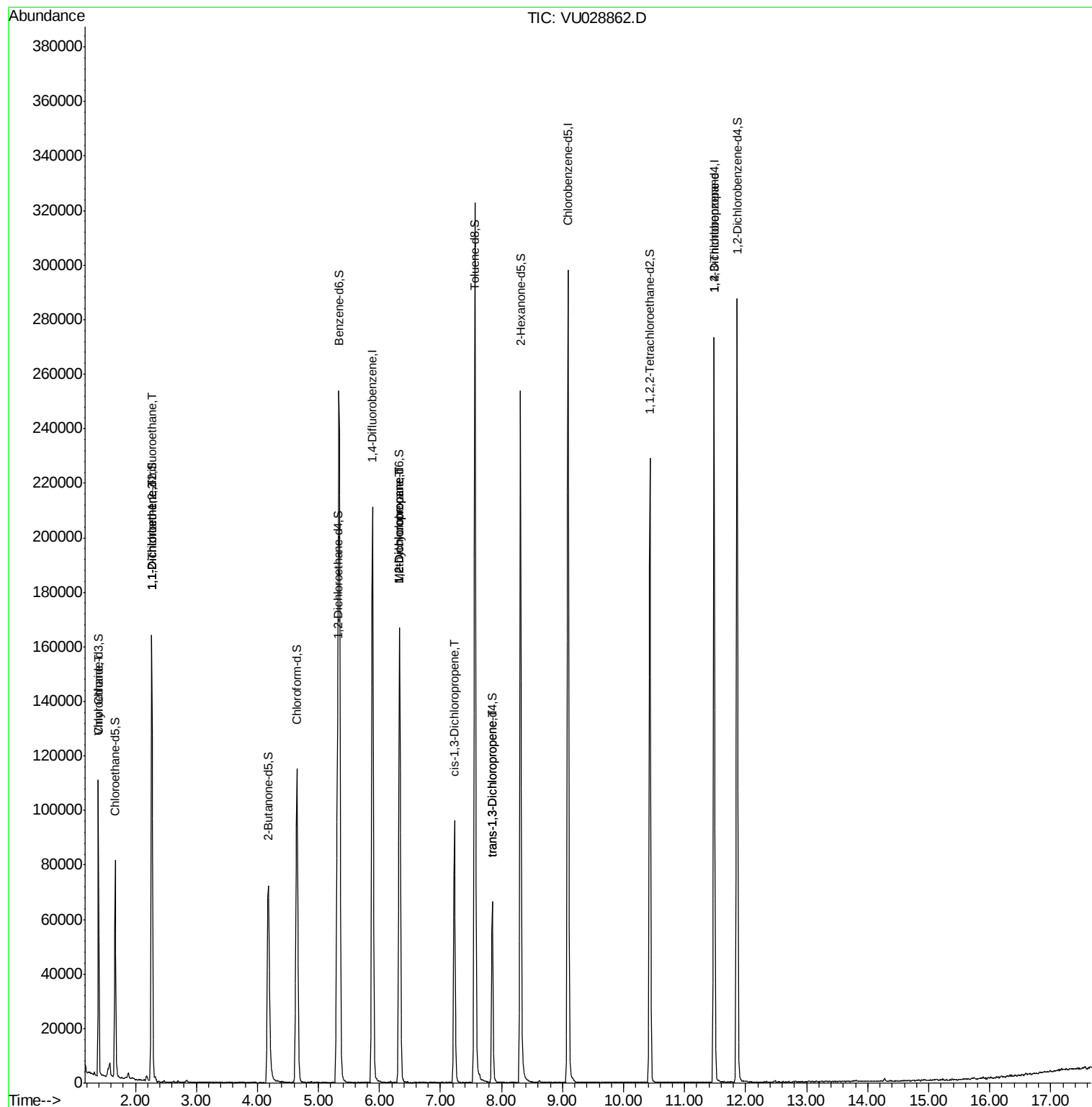
Target Compounds

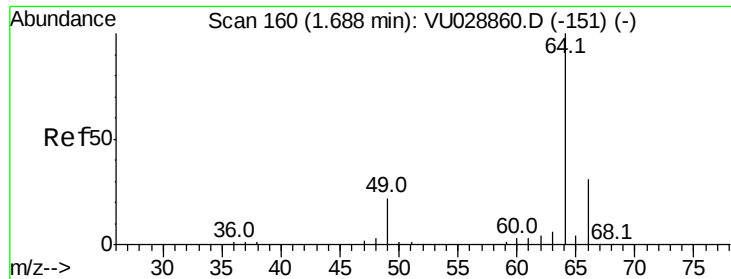
					Ovalue
8) Chloroethane	1.40	64	1168	1.140 ug/L #	1
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	798	0.672 ug/L #	20
12) 1,1-Dichloroethene	2.27	96	670	0.570 ug/L #	1
35) Methylcyclohexane	6.33	83	19087	8.682 ug/L #	18
37) 1,2-Dichloropropane	6.33	63	8225	5.382 ug/L #	90
39) cis-1,3-Dichloropropene	7.23	75	1875	0.861 ug/L #	65
44) trans-1,3-Dichloropropene	7.85	75	1426	0.734 ug/L	88
59) 1,2,3-Trichloropropane	11.48	75	8693	4.766 ug/L	95

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

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Response via : Initial Calibration





#8

Chloroethane

Concen: 1.140 ug/L

RT: 1.40 min Scan# 70

Delta R.T. -0.29 min

Lab File: VU028862.D

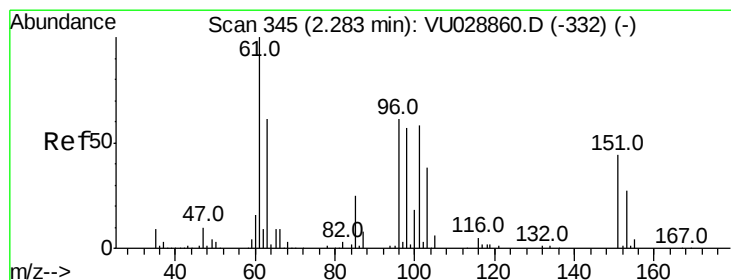
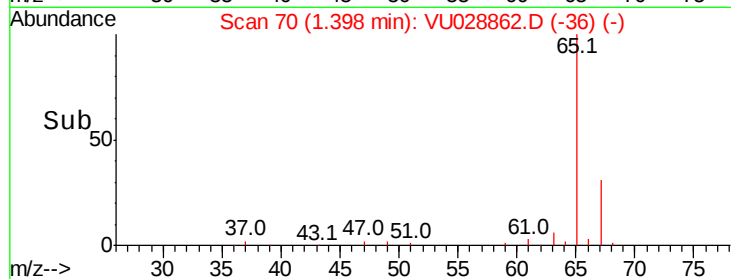
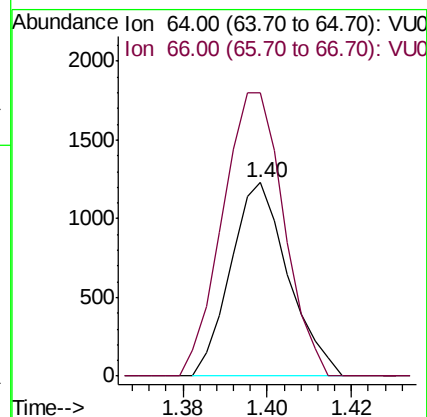
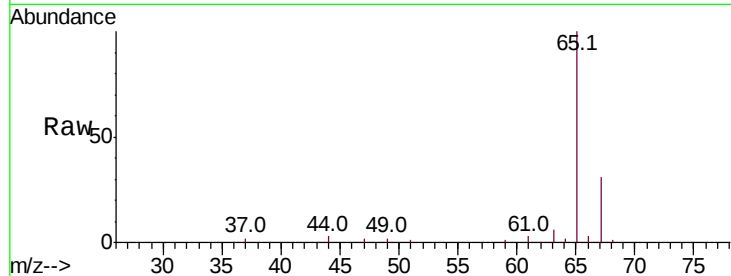
Acq: 21 Dec 2018 10:28

Tot Ion: 64 Resp: 1168

Ion Ratio Lower Upper

64 100

66 146.4 21.5 39.9#



#10

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

Concen: 0.672 ug/L

RT: 2.27 min Scan# 340

Delta R.T. -0.02 min

Lab File: VU028862.D

Acq: 21 Dec 2018 10:28

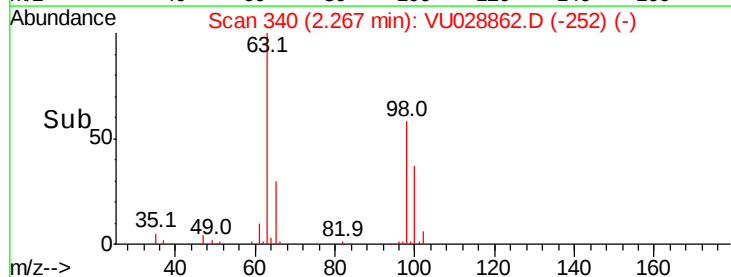
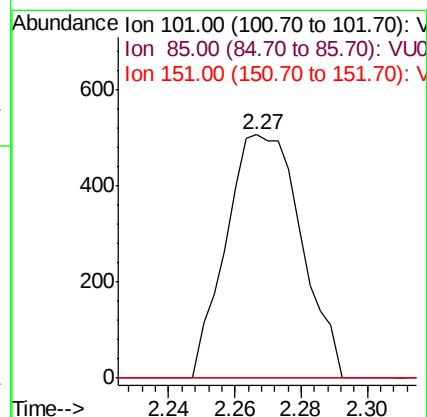
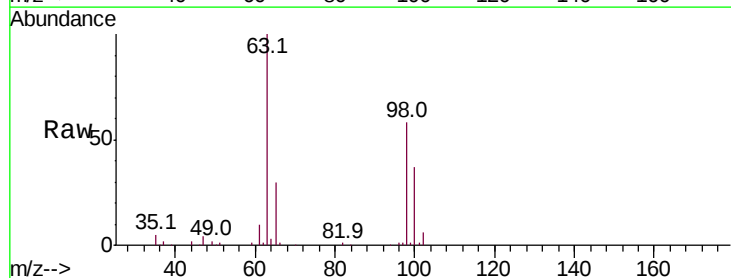
Tgt Ion: 101 Resp: 798

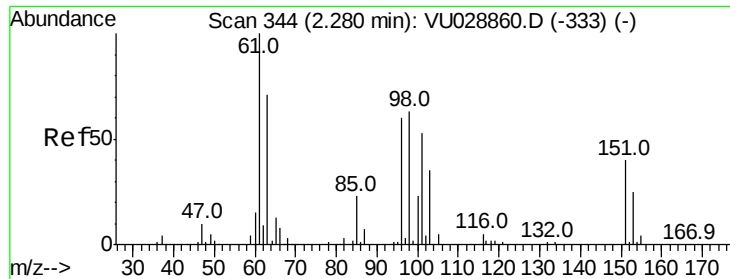
Ion Ratio Lower Upper

101 100

85 0.0 33.8 50.6#

151 0.0 59.4 89.0#





#12

1,1-Dichloroethene

Concen: 0.570 ug/L

RT: 2.27 min Scan# 341

Delta R.T. -0.01 min

Lab File: VU028862.D

Acq: 21 Dec 2018 10:28

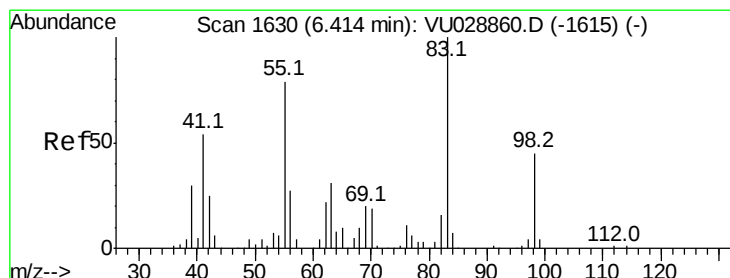
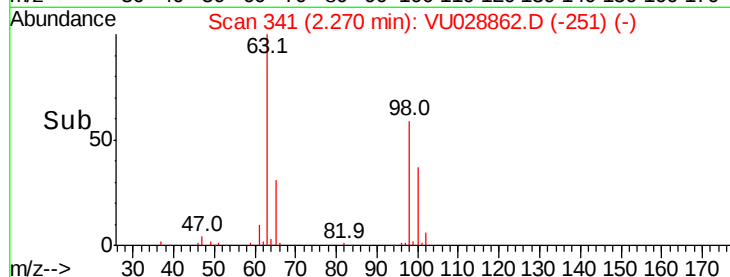
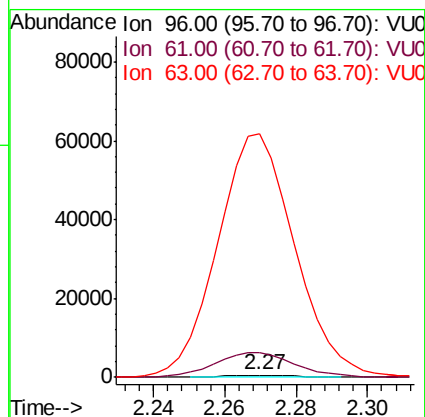
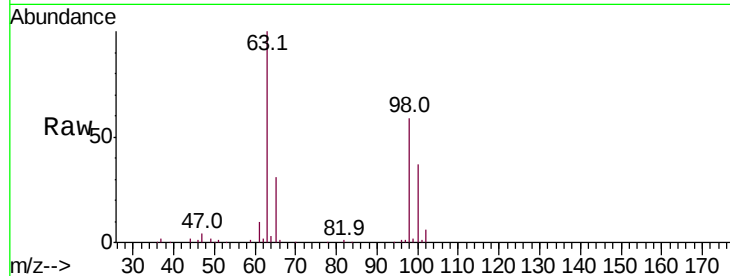
Tot Ion: 96 Resp: 670

Ion Ratio Lower Upper

96 100

61 1356.8 119.3 221.5#

63 13140.4 107.4 199.6#



#35

Methylcyclohexane

Concen: 8.682 ug/L

RT: 6.33 min Scan# 1604

Delta R.T. -0.08 min

Lab File: VU028862.D

Acq: 21 Dec 2018 10:28

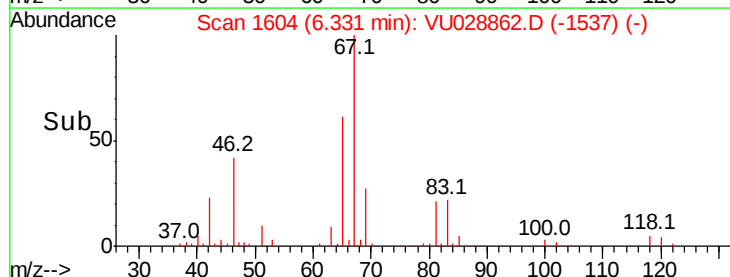
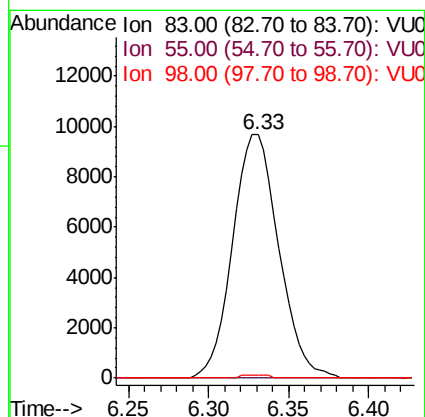
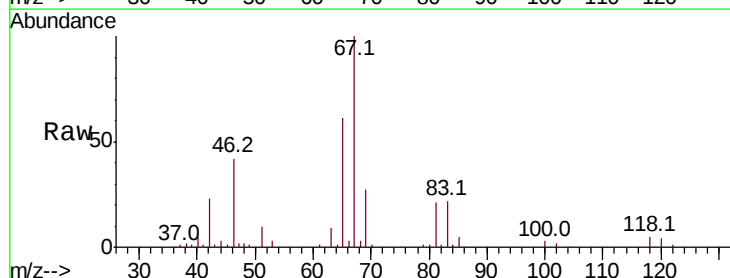
Tgt Ion: 83 Resp: 19087

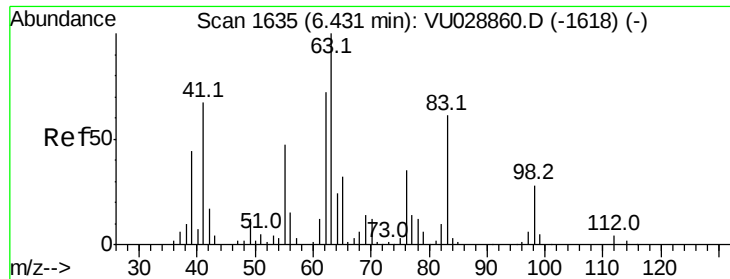
Ion Ratio Lower Upper

83 100

55 0.0 63.7 95.5#

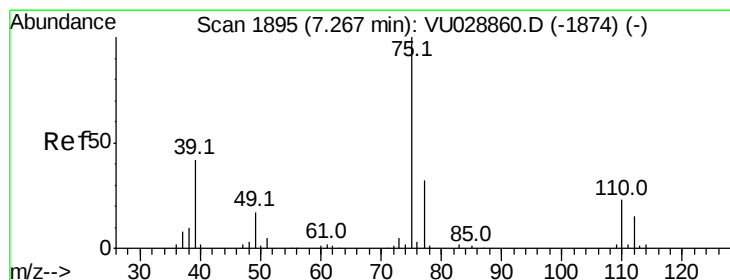
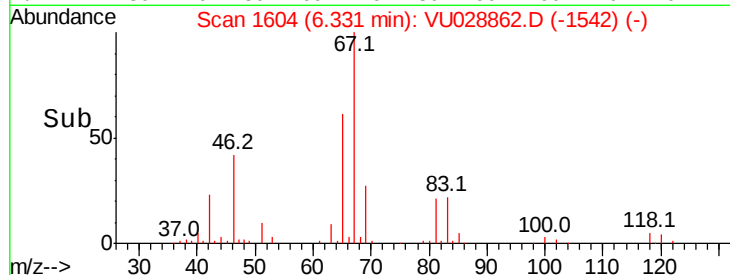
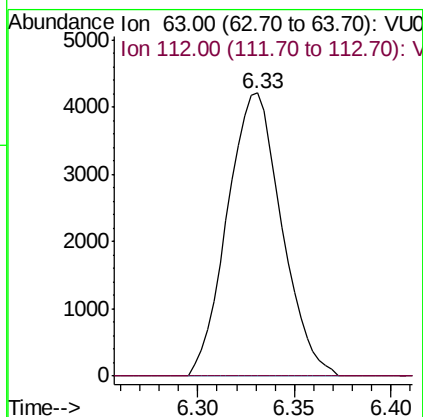
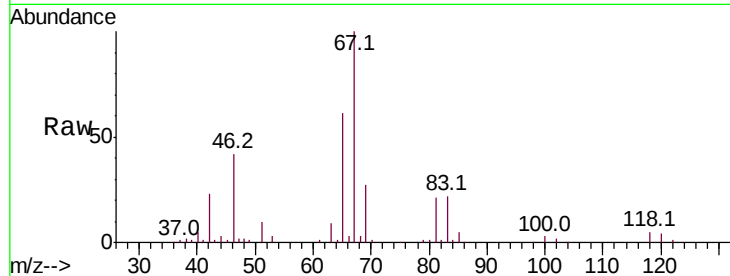
98 0.6 35.6 53.4#





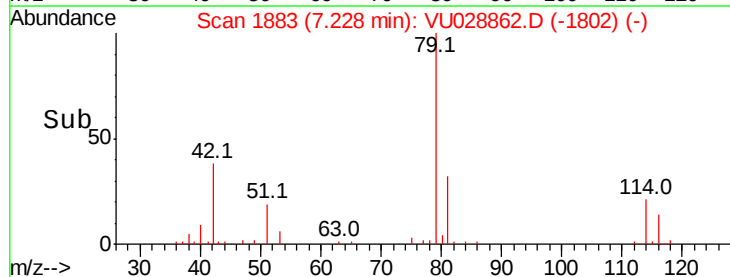
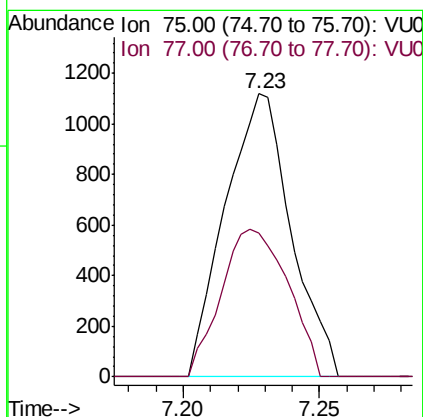
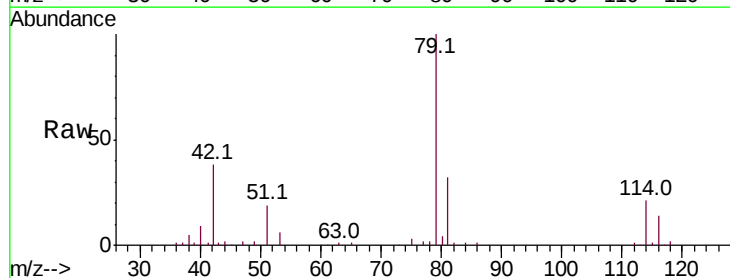
#37
 1,2-Dichloropropane
 Concen: 5.382 ug/L
 RT: 6.33 min Scan# 1604
 Delta R.T. -0.10 min
 Lab File: VU028862.D
 Acq: 21 Dec 2018 10:28

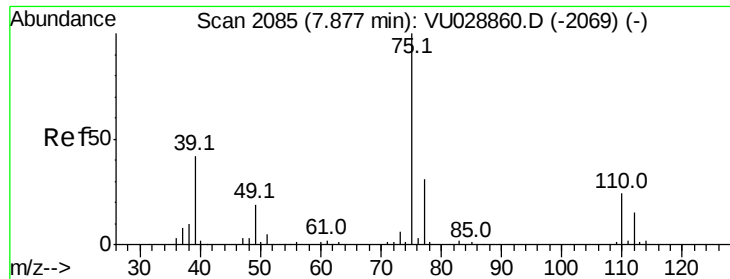
Tot Ion: 63 Resp: 8225
 Ion Ratio Lower Upper
 63 100
 112 0.0 2.7 4.1#



#39
 cis-1,3-Dichloropropene
 Concen: 0.861 ug/L
 RT: 7.23 min Scan# 1883
 Delta R.T. -0.04 min
 Lab File: VU028862.D
 Acq: 21 Dec 2018 10:28

Tgt Ion: 75 Resp: 1875
 Ion Ratio Lower Upper
 75 100
 77 50.8 21.8 40.6#





#44

trans-1,3-Dichloropropene

Concen: 0.734 ug/L

RT: 7.85 min Scan# 2076

Delta R.T. -0.03 min

Lab File: VU028862.D

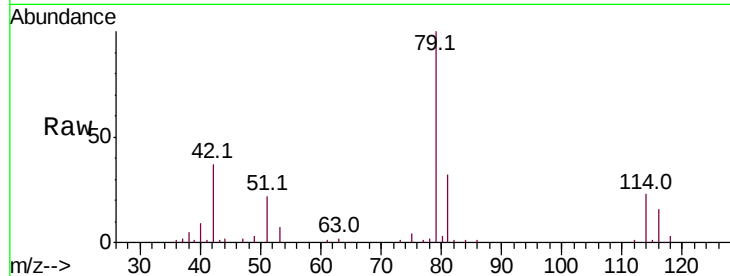
Acq: 21 Dec 2018 10:28

Tot Ion: 75 Resp: 1426

Ion Ratio Lower Upper

75 100

77 37.6 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

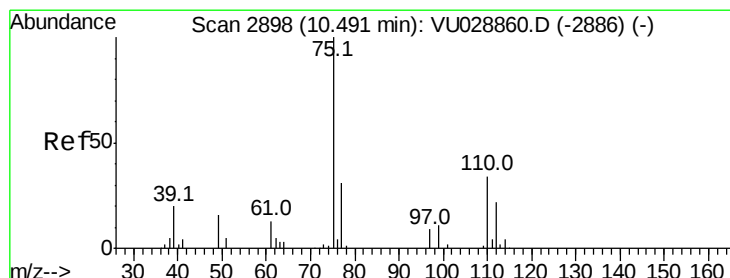
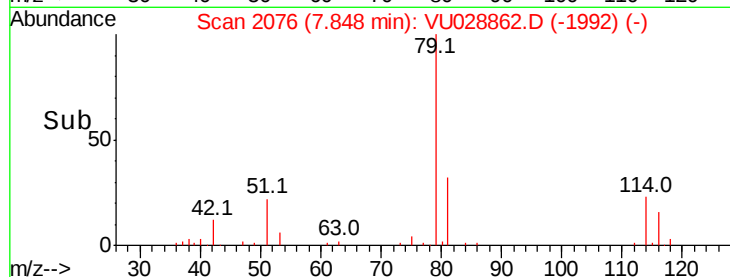
400

200

0

7.82 7.84 7.86 7.88

Time-->



#59

1,2,3-Trichloropropane

Concen: 4.766 ug/L

RT: 11.48 min Scan# 3206

Delta R.T. 0.99 min

Lab File: VU028862.D

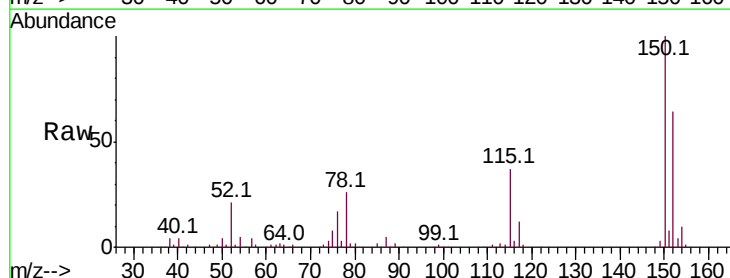
Acq: 21 Dec 2018 10:28

Tgt Ion: 75 Resp: 8693

Ion Ratio Lower Upper

75 100

77 34.9 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-->

