

Data File : VU023623.D
Acq On : 04 May 2018 01:21
Operator : MD/SY
Sample : J2630-16
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 20 Sample Multiplier: 1

Quant Time: May 04 04:47:33 2018
Quant Method : W:\HPCHEM1\MSVOA_U\METHOD\SOMUTR050418WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 04 04:44:45 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.89	114	68300	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	59814	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	20599	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	26401	5.33	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	106.60%
7) Chloroethane-d5	1.68	69	26217	7.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	142.40%#
11) 1,1-Dichloroethene-d2	2.27	63	23004	2.60	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	52.00%#
20) 2-Butanone-d5	4.20	46	154349	107.69	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	215.38%#
24) Chloroform-d	4.65	84	63689	7.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	143.40%#
26) 1,2-Dichloroethane-d4	5.32	65	43642	9.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	183.40%#
32) Benzene-d6	5.34	84	98897	6.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	124.80%
36) 1,2-Dichloropropane-d6	6.34	67	44872	8.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	171.60%#
41) Toluene-d8	7.57	98	50525	3.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	68.60%#
43) trans-1,3-Dichloropropene-	7.86	79	8500	4.41	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.20%
46) 2-Hexanone-d5	8.32	63	102265	103.65	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	207.30%#
57) 1,1,2,2-Tetrachloroethane-	10.44	84	41890	10.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	201.40%#
64) 1,2-Dichlorobenzene-d4	11.87	152	24000	6.26	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	125.20%#

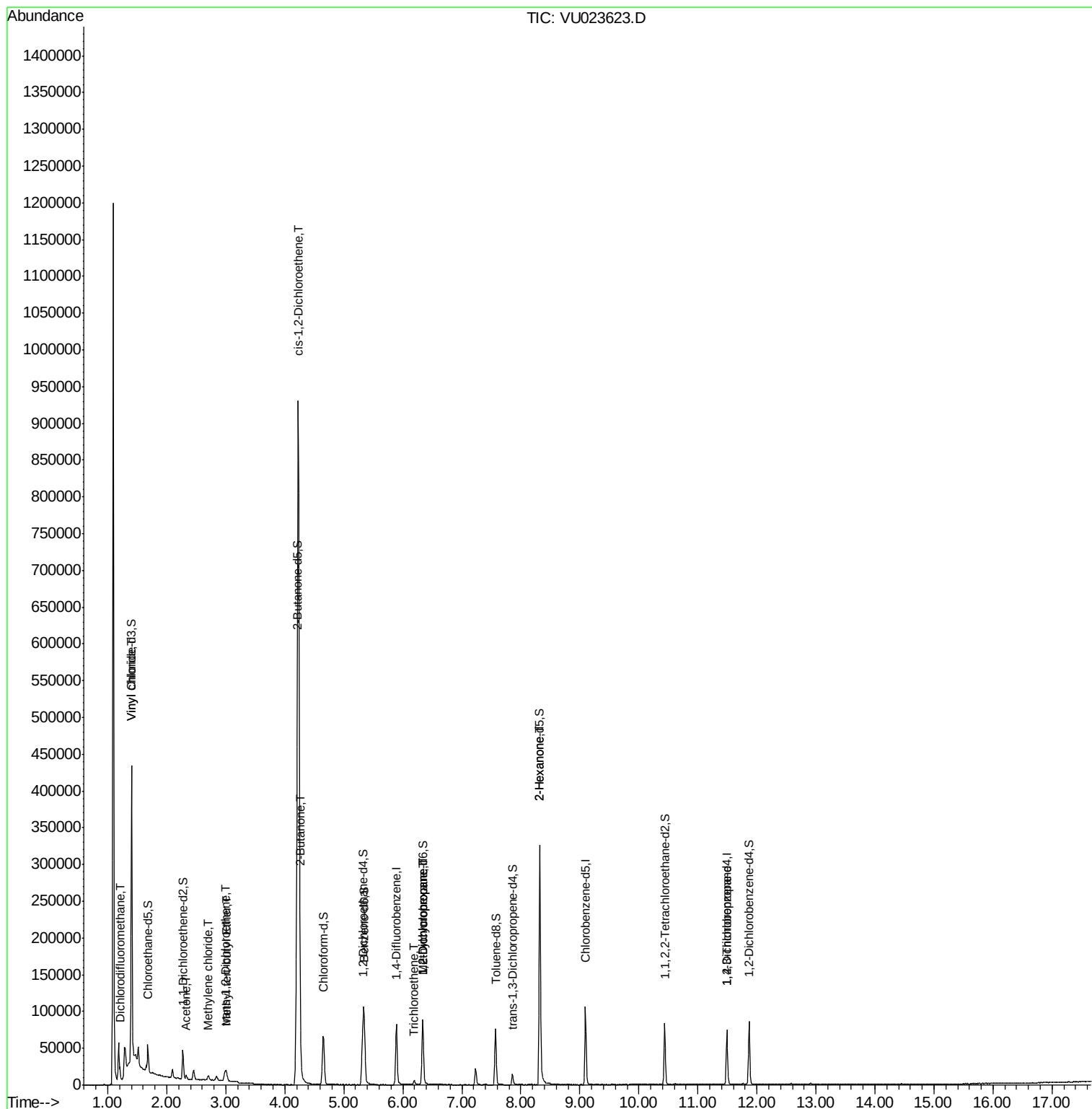
Target Compounds

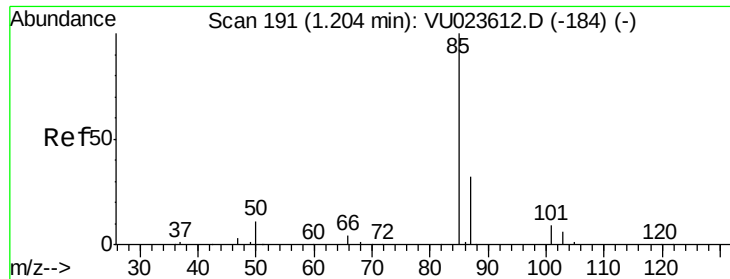
						Qvalue
2) Dichlorodifluoromethane	1.20	85	2819	0.44	ug/L	100
5) Vinyl chloride	1.40	62	235103	36.82	ug/L	98
13) Acetone	2.33	43	6290	7.68	ug/L	98
16) Methylene chloride	2.70	84	2509	0.54	ug/L	90
17) Methyl tert-butyl Ether	3.01	73	12880	1.24	ug/L	96
18) trans-1,2-Dichloroethene	2.98	96	3937	0.89	ug/L	88
21) 2-Butanone	4.27	43	449	0.30	ug/L #	37
22) cis-1,2-Dichloroethene	4.23	96	490815	92.93	ug/L	98
34) Trichloroethene	6.19	95	1761	0.38	ug/L	84
35) Methylcyclohexane	6.34	83	9741	1.37	ug/L #	15
37) 1,2-Dichloropropane	6.34	63	4478	0.89	ug/L #	89
48) 2-Hexanone	8.32	43	14566	6.58	ug/L #	71
59) 1,2,3-Trichloropropane	11.49	75	2510	0.85	ug/L	99

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

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.44 ug/L

RT: 1.20 min Scan# 191

Delta R.T. -0.00 min

Lab File: VU023623.D

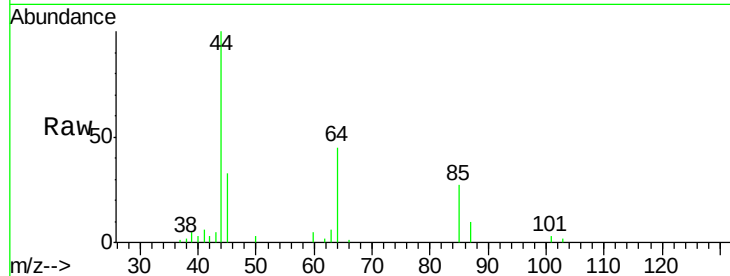
Acq: 04 May 2018 01:21

Tgt Ion: 85 Resp: 2819

Ion Ratio Lower Upper

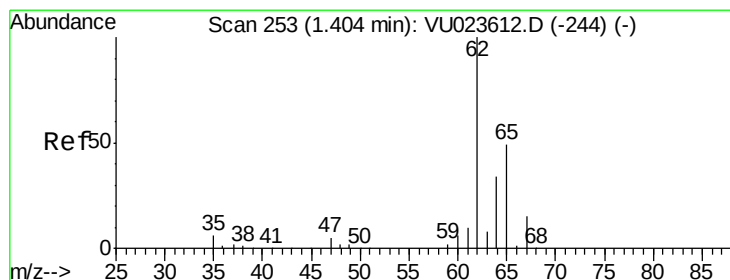
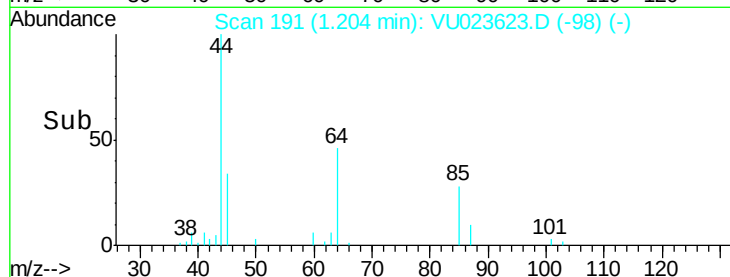
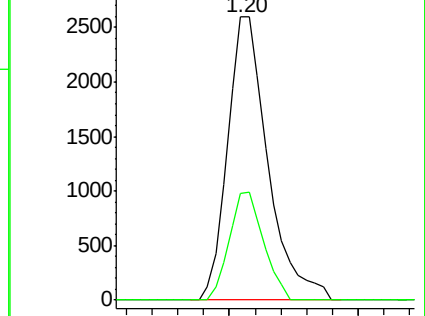
85 100

87 32.4 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VU0

Ion 87.00 (86.70 to 87.70): VU0



#5

Vinyl chloride

Concen: 36.82 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU023623.D

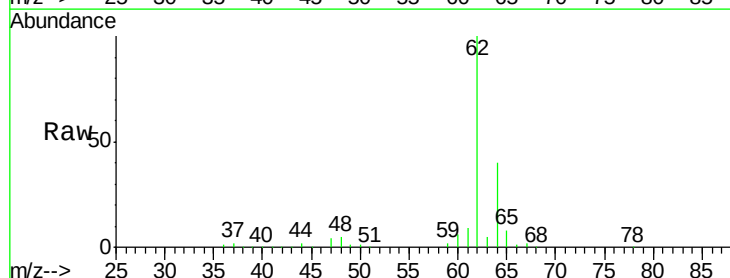
Acq: 04 May 2018 01:21

Tgt Ion: 62 Resp: 235103

Ion Ratio Lower Upper

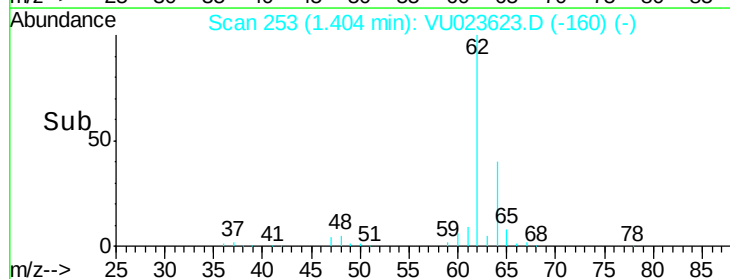
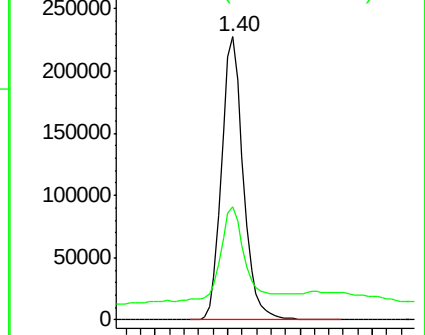
62 100

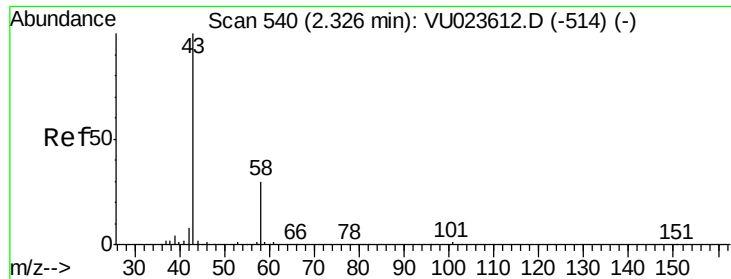
64 39.9 26.9 49.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0





#13

Acetone

Concen: 7.68 ug/L

RT: 2.33 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU023623.D

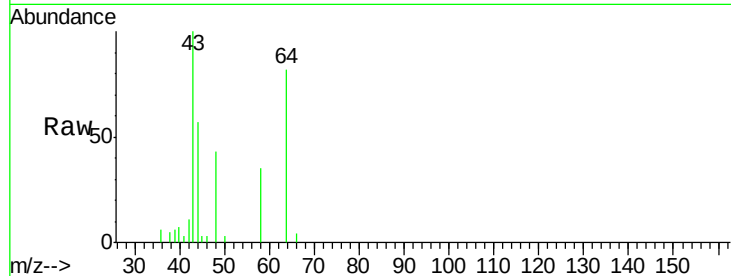
Acq: 04 May 2018 01:21

Tgt Ion: 43 Resp: 6290

Ion Ratio Lower Upper

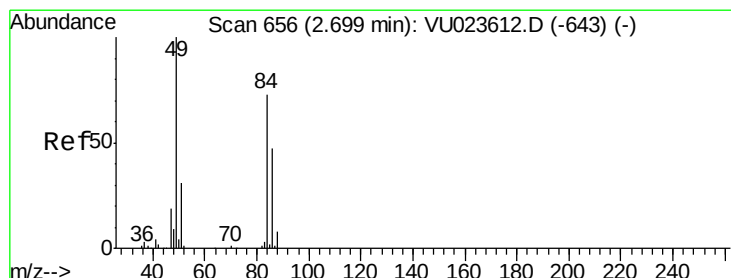
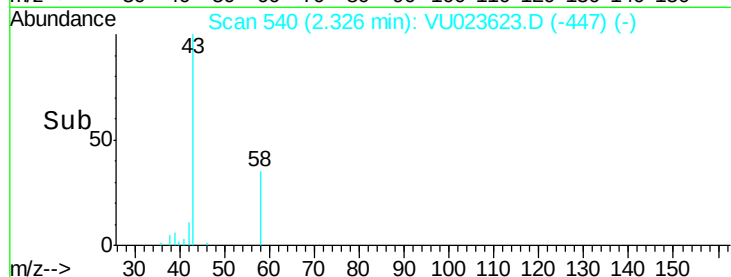
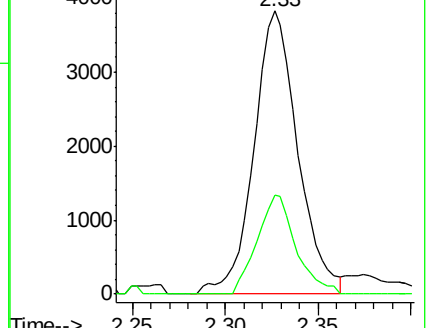
43 100

58 30.6 0.0 63.8



Abundance Ion 43.05 (42.75 to 43.75): VU023623.D (-514) (-)

Ion 58.05 (57.75 to 58.75): VU023623.D (-514) (-)



#16

Methylene chloride

Concen: 0.54 ug/L

RT: 2.70 min Scan# 657

Delta R.T. 0.00 min

Lab File: VU023623.D

Acq: 04 May 2018 01:21

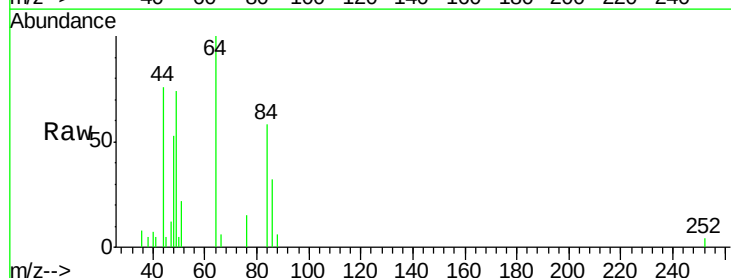
Tgt Ion: 84 Resp: 2509

Ion Ratio Lower Upper

84 100

86 54.2 46.0 85.4

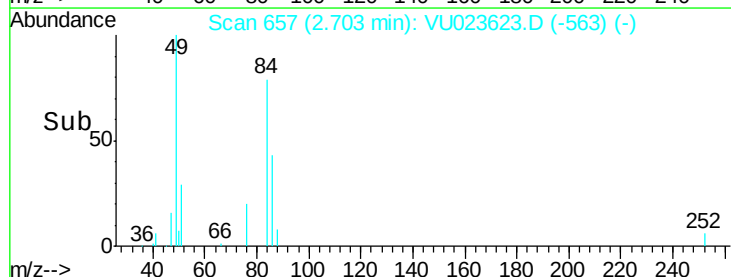
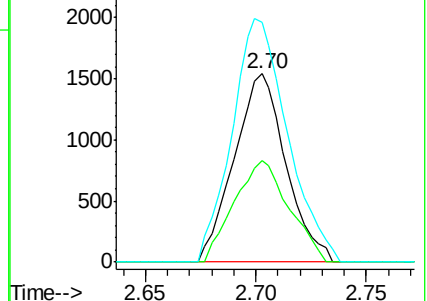
49 127.1 96.0 178.4

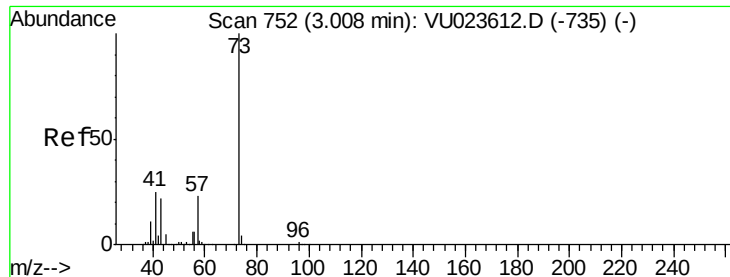


Abundance Ion 84.05 (83.75 to 84.75): VU023623.D (-643) (-)

Ion 86.00 (85.70 to 86.70): VU023623.D (-643) (-)

Ion 49.10 (48.80 to 49.80): VU023623.D (-643) (-)





#17

Methyl tert-butyl Ether

Concen: 1.24 ug/L

RT: 3.01 min Scan# 752

Delta R.T. -0.00 min

Lab File: VU023623.D

Acq: 04 May 2018 01:21

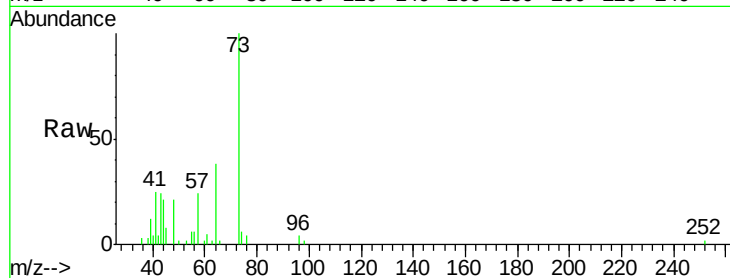
Tgt Ion: 73 Resp: 12880

Ion Ratio Lower Upper

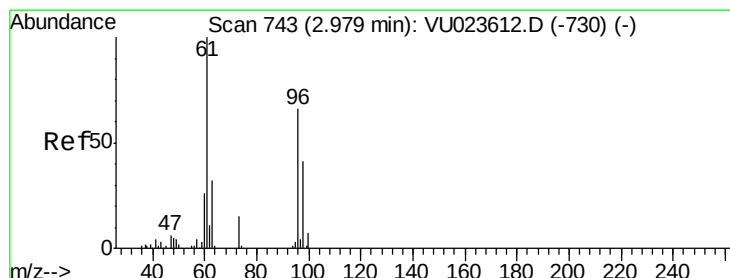
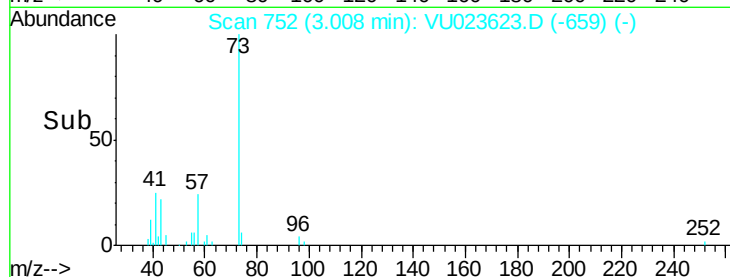
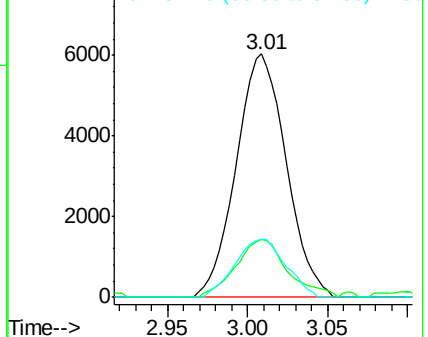
73 100

43 24.6 16.6 25.0

57 24.3 19.4 29.0



Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0



#18

trans-1,2-Dichloroethene

Concen: 0.89 ug/L

RT: 2.98 min Scan# 743

Delta R.T. -0.00 min

Lab File: VU023623.D

Acq: 04 May 2018 01:21

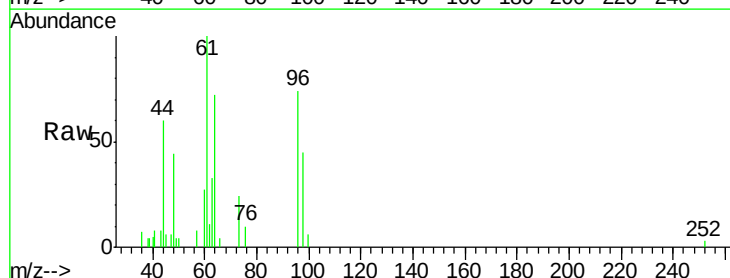
Tgt Ion: 96 Resp: 3937

Ion Ratio Lower Upper

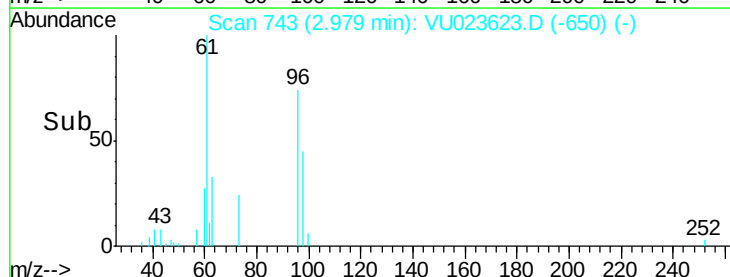
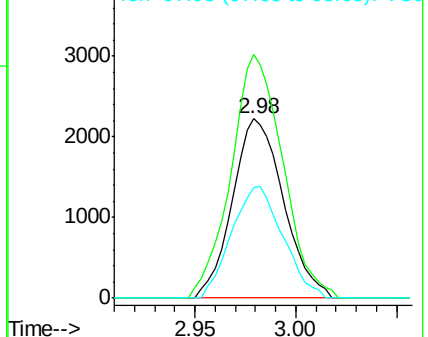
96 100

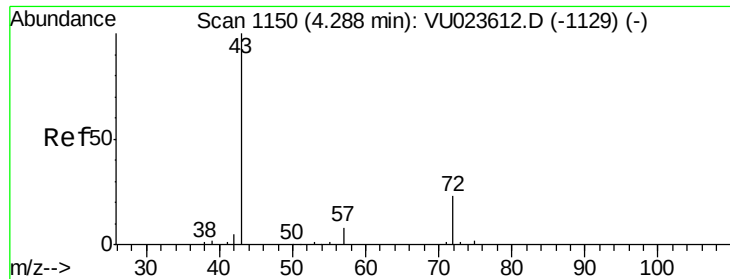
61 136.0 109.0 202.4

98 61.5 44.7 83.1



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0





#21

2-Butanone

Concen: 0.30 ug/L

RT: 4.27 min Scan# 1143

Delta R.T. -0.02 min

Lab File: VU023623.D

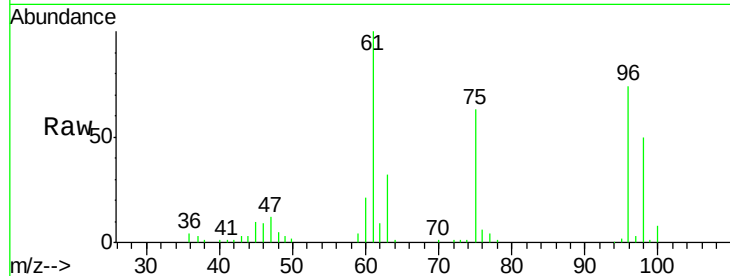
Acq: 04 May 2018 01:21

Tgt Ion: 43 Resp: 449

Ion Ratio Lower Upper

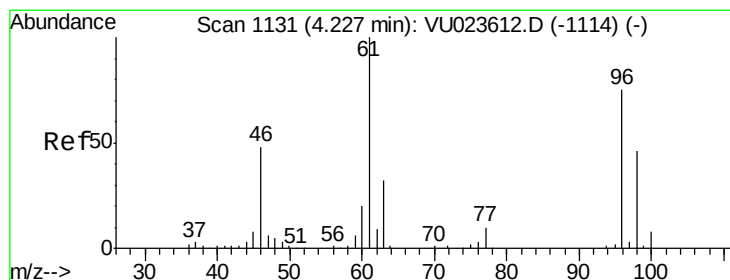
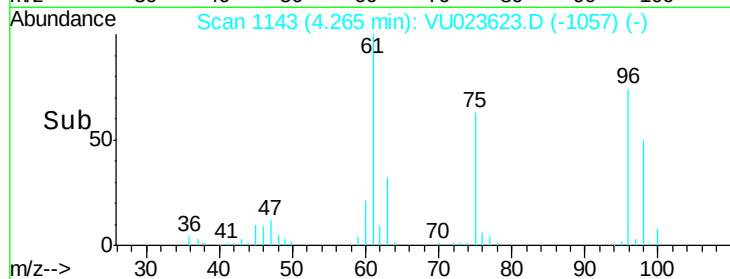
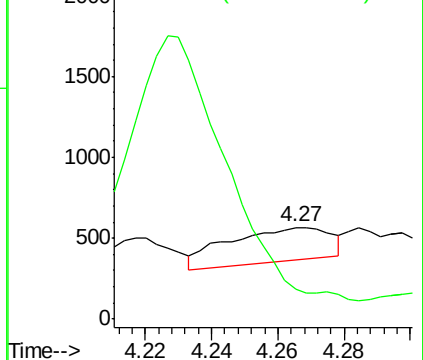
43 100

72 55.7 12.3 36.8#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 72.10 (71.80 to 72.80): VU0



#22

cis-1,2-Dichloroethene

Concen: 92.93 ug/L

RT: 4.23 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VU023623.D

Acq: 04 May 2018 01:21

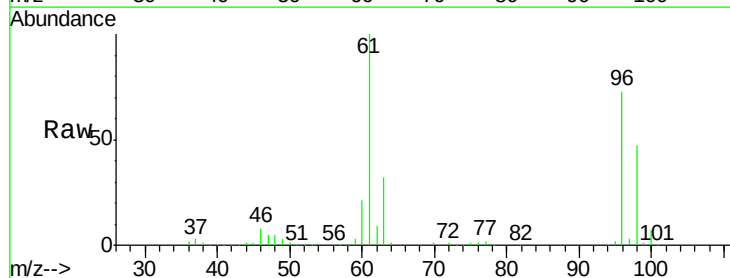
Tgt Ion: 96 Resp: 490815

Ion Ratio Lower Upper

96 100

61 137.6 94.6 175.6

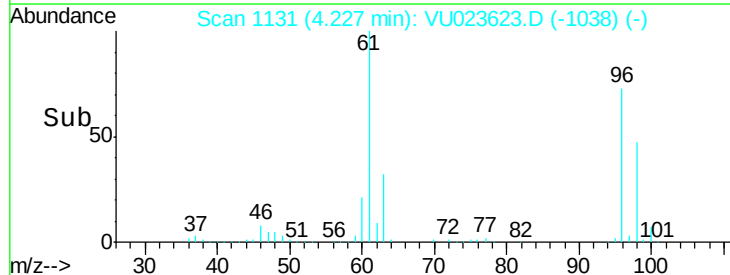
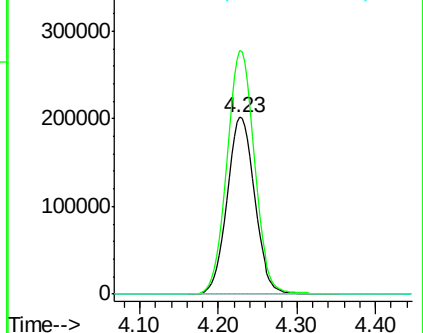
68 0.0 0.0 0.0

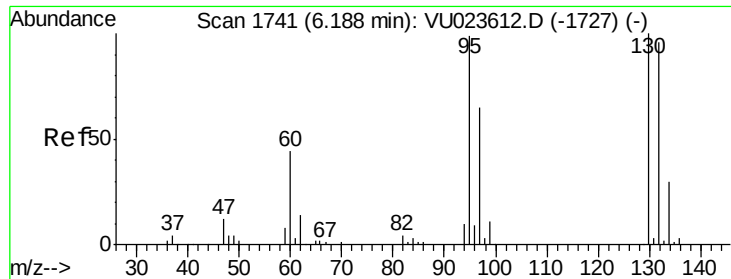


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0





#34

Trichloroethene

Concen: 0.38 ug/L

RT: 6.19 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VU023623.D

Acq: 04 May 2018 01:21

Tgt Ion: 95 Resp: 1761

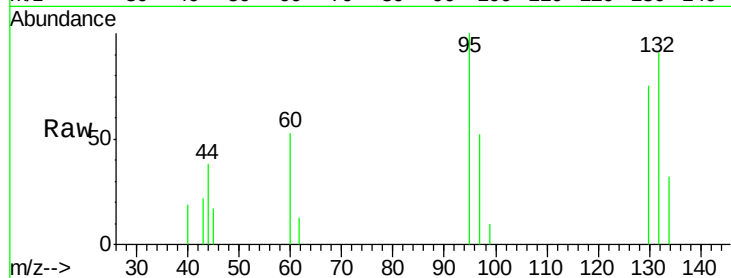
Ion Ratio Lower Upper

95 100

97 52.0 46.0 85.4

132 90.9 68.1 126.5

130 74.9 70.1 130.1

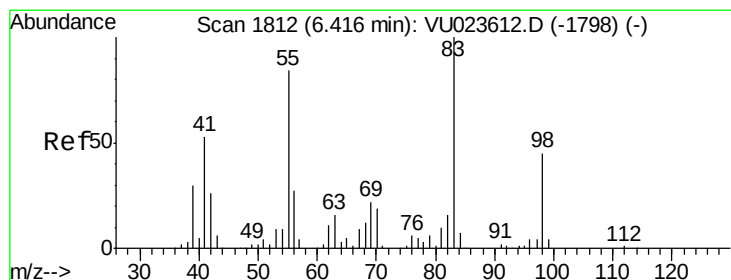
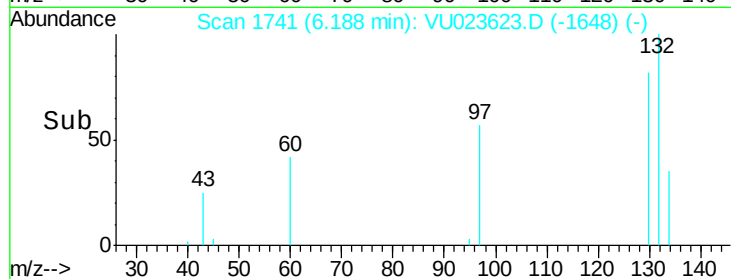
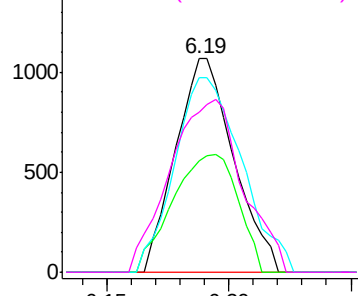


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 1.37 ug/L

RT: 6.34 min Scan# 1787

Delta R.T. -0.08 min

Lab File: VU023623.D

Acq: 04 May 2018 01:21

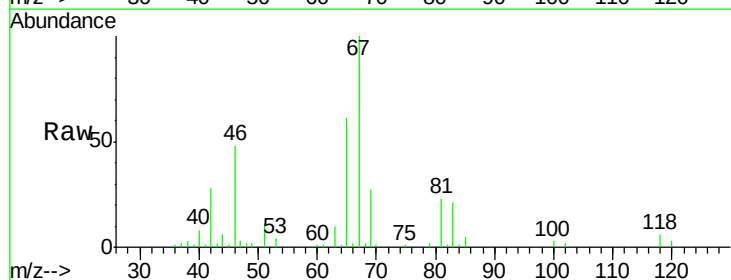
Tgt Ion: 83 Resp: 9741

Ion Ratio Lower Upper

83 100

55 0.0 68.4 102.6#

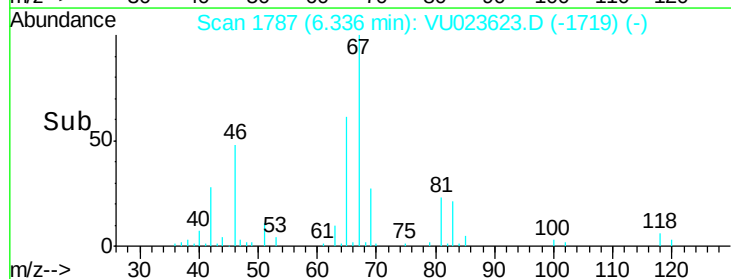
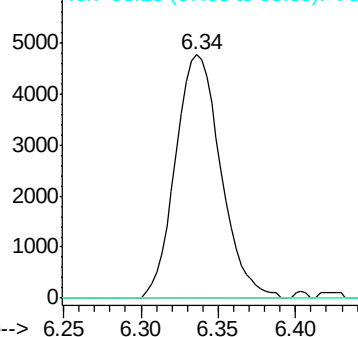
98 0.7 36.7 55.1#

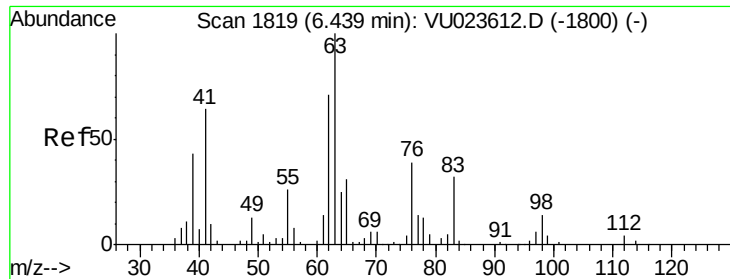


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 0.89 ug/L

RT: 6.34 min Scan# 1787

Delta R.T. -0.10 min

Lab File: VU023623.D

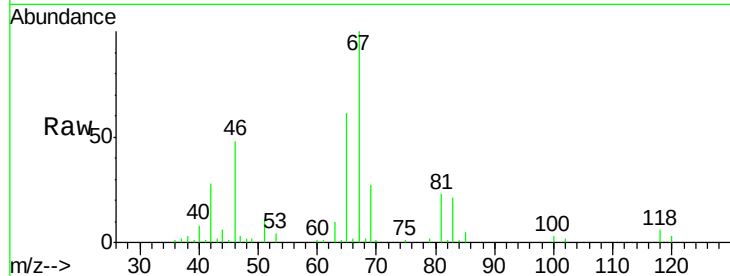
Acq: 04 May 2018 01:21

Tgt Ion: 63 Resp: 4478

Ion Ratio Lower Upper

63 100

112 0.0 3.0 4.4#



Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V

2500

2000

1500

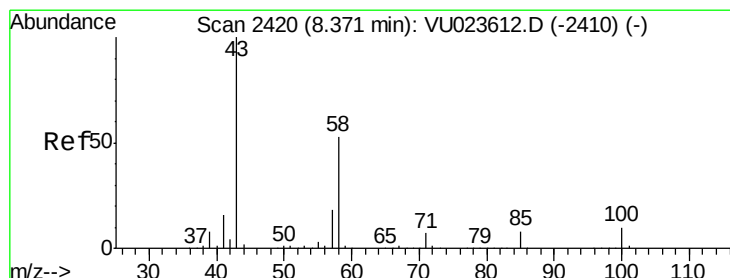
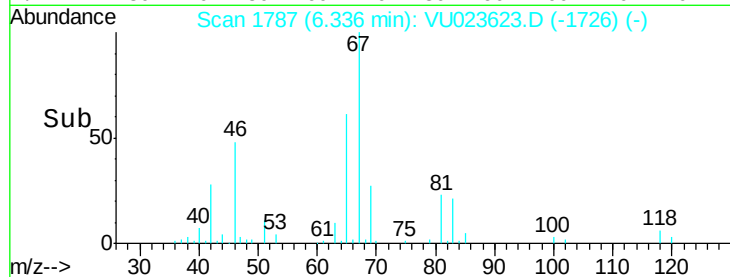
1000

500

0

6.30 6.35 6.40

Time-->



#48

2-Hexanone

Concen: 6.58 ug/L

RT: 8.32 min Scan# 2404

Delta R.T. -0.05 min

Lab File: VU023623.D

Acq: 04 May 2018 01:21

Tgt Ion: 43 Resp: 14566

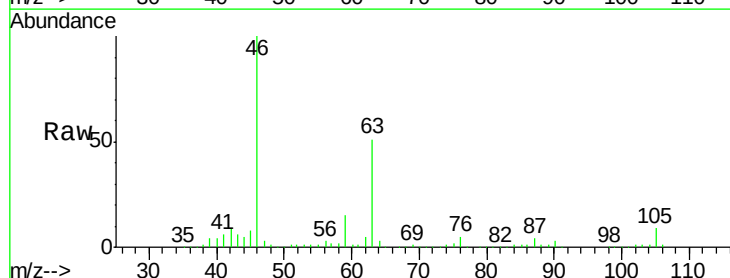
Ion Ratio Lower Upper

43 100

58 33.3 42.1 63.1#

57 36.2 14.3 21.5#

100 3.7 7.8 11.8#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0

12000

10000

8000

6000

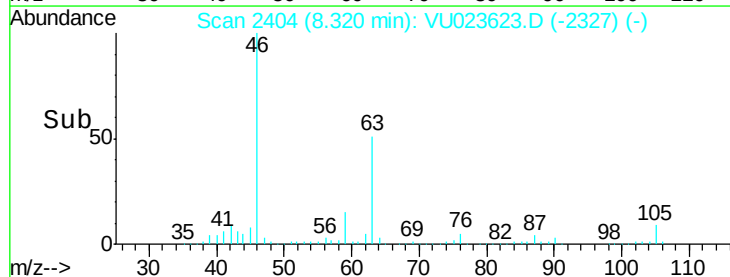
4000

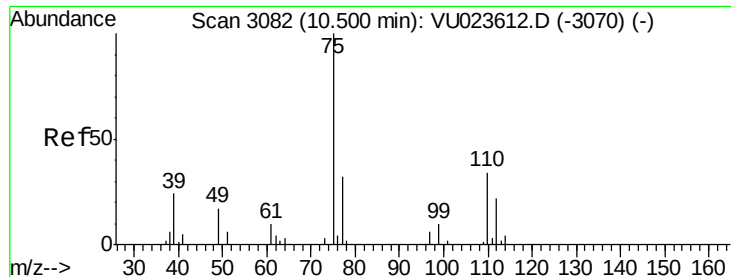
2000

0

8.25 8.30 8.35 8.40 8.45

Time-->





#59

1,2,3-Trichloropropane

Concen: 0.85 ug/L

RT: 11.49 min Scan# 3390

Delta R.T. 0.99 min

Lab File: VU023623.D

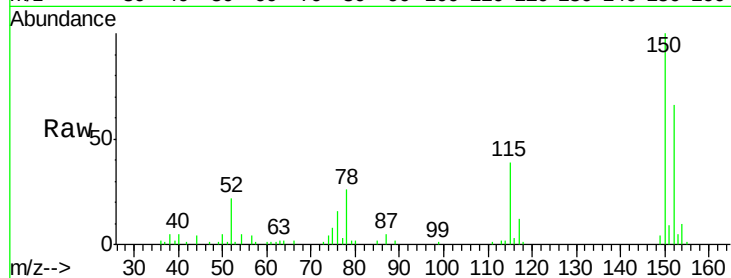
Acq: 04 May 2018 01:21

Tgt Ion: 75 Resp: 2510

Ion Ratio Lower Upper

75 100

77 31.9 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

