

Data File : VU023614.D
Acq On : 03 May 2018 21:16
Operator : MD/SY
Sample : J2630-04
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 04 04:45:30 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	79161	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	67263	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	26620	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	29030	5.06	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	101.20%
7) Chloroethane-d5	1.68	69	28177	6.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	132.00%#
11) 1,1-Dichloroethene-d2	2.27	63	27508	2.68	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	53.60%#
20) 2-Butanone-d5	4.20	46	156848	94.42	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	188.84%#
24) Chloroform-d	4.65	84	67833	6.59	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	131.80%#
26) 1,2-Dichloroethane-d4	5.32	65	44676	8.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	162.00%#
32) Benzene-d6	5.34	84	107739	6.04	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	120.80%
36) 1,2-Dichloropropane-d6	6.34	67	47892	8.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	163.00%#
41) Toluene-d8	7.57	98	60844	3.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.40%
43) trans-1,3-Dichloropropene-	7.86	79	11015	5.08	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.60%
46) 2-Hexanone-d5	8.32	63	104657	94.33	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	188.66%#
57) 1,1,2,2-Tetrachloroethane-	10.44	84	43915	9.39	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	187.80%#
64) 1,2-Dichlorobenzene-d4	11.87	152	28557	5.77	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	115.40%

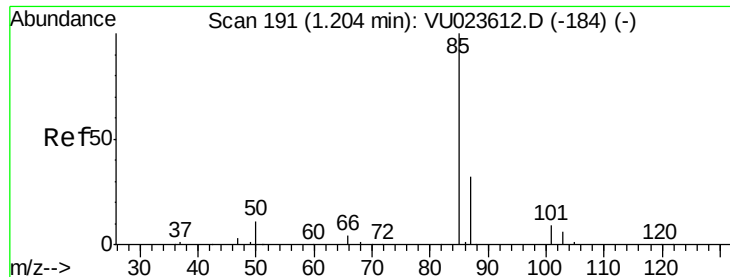
Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.21	85	3291	0.44	ug/L	95
5) Vinyl chloride	1.40	62	44561	6.02	ug/L #	13
8) Chloroethane	1.80	64	985	0.22	ug/L #	53
13) Acetone	2.33	43	8446	8.90	ug/L	93
15) Methyl Acetate	2.45	43	11095	4.16	ug/L #	56
16) Methylene chloride	2.70	84	2511	0.47	ug/L	98
18) trans-1,2-Dichloroethene	2.98	96	2622	0.51	ug/L	99
21) 2-Butanone	4.29	43	703	0.40	ug/L	97
22) cis-1,2-Dichloroethene	4.23	96	269970	44.10	ug/L	98
35) Methylcyclohexane	6.34	83	10517	1.31	ug/L #	16
37) 1,2-Dichloropropane	6.34	63	4701	0.83	ug/L #	89
48) 2-Hexanone	8.32	43	15326	6.16	ug/L #	79
59) 1,2,3-Trichloropropane	11.49	75	3335	1.00	ug/L	98

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

The chromatogram displays a series of peaks over a 17-minute period. The y-axis represents Abundance, ranging from 0 to 1,450,000. The x-axis represents Time in minutes, ranging from 1.00 to 17.00. The following table lists the labeled compounds and their approximate retention times:

Compound	Retention Time (min)
Dichlorodifluoromethane, T	1.00
Vinyl Chloride, T	1.10
Chloroethane, T	1.20
Chloroethane-d5, S	1.30
Acetone, T	2.10
1,2-Dichloroethene-d2, S	2.20
Methyl Acetate, T	2.30
Methylene chloride, T	2.40
trans-1,2-Dichloroethene, T	2.50
2-Butanone, T	4.20
2-Butanone-d5, S	4.30
cis-1,2-Dichloroethene, T	4.40
Chloroform-d, S	4.60
1,2-Dichloroethane-d4, S	5.50
1,4-Difluorobenzene, I	6.00
1,2-Dichloropropane, T	6.50
1,2-Dichloropropane-d5, S	6.60
Toluene-d8, S	7.50
trans-1,3-Dichloropropene-d4, S	7.80
2-Hexanone-d5, S	8.50
Chlorobenzene-d5, I	9.20
1,1,2,2-Tetrachloroethane-d2, S	10.50
1,2-Dichloropropane-d4, I	11.50
1,2-Dichlorobenzene-d4, S	12.00



#2

Dichlorodifluoromethane

Concen: 0.44 ug/L

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU023614.D

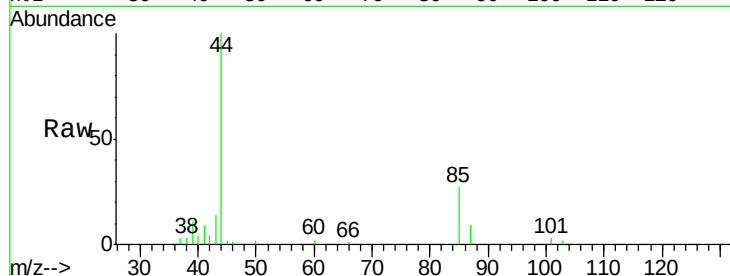
Acq: 03 May 2018 21:16

Tgt Ion: 85 Resp: 3291

Ion Ratio Lower Upper

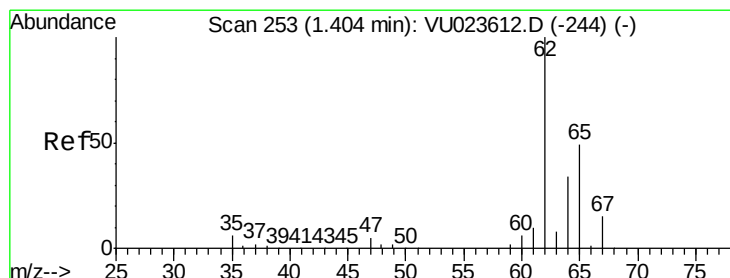
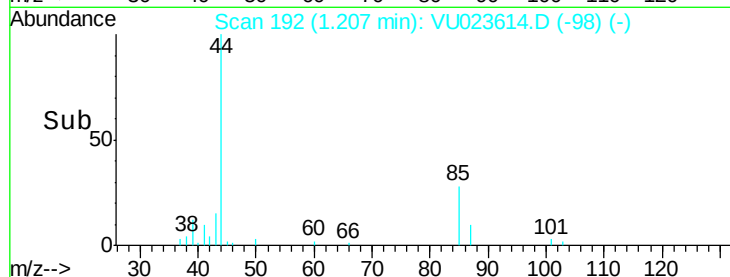
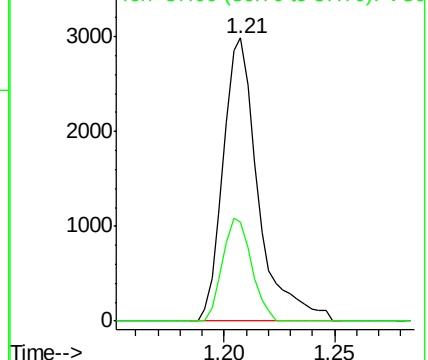
85 100

87 29.8 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: 6.02 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU023614.D

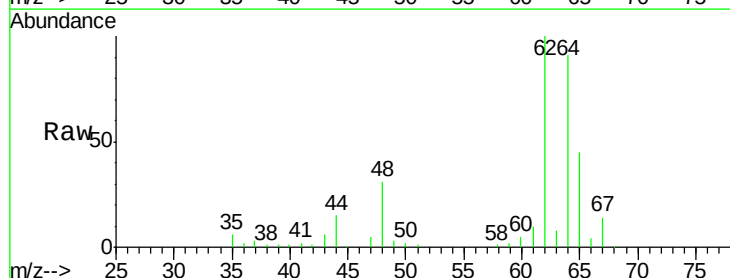
Acq: 03 May 2018 21:16

Tgt Ion: 62 Resp: 44561

Ion Ratio Lower Upper

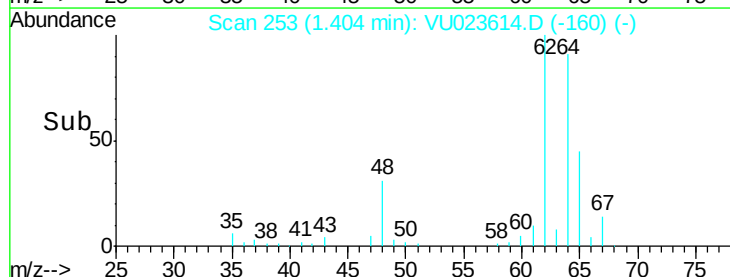
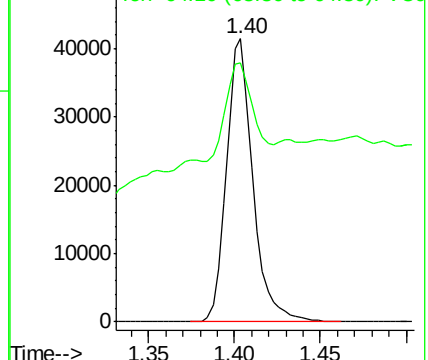
62 100

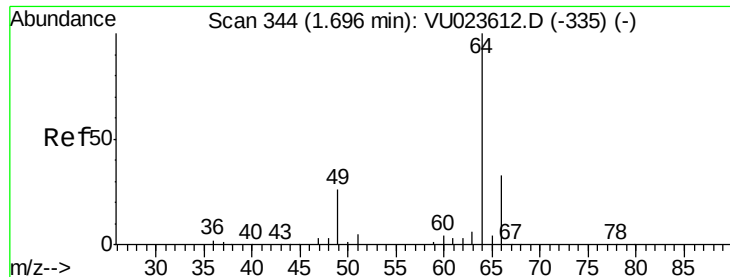
64 91.3 26.9 49.9#



Abundance Ion 62.00 (61.70 to 62.70): VU0

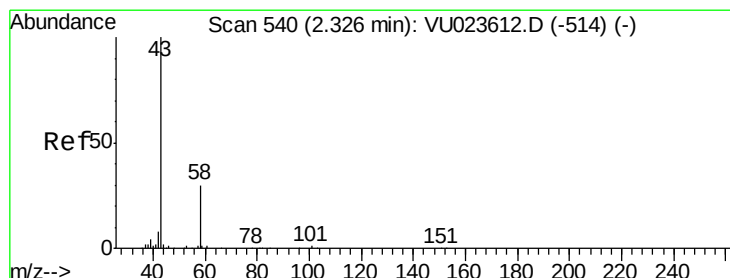
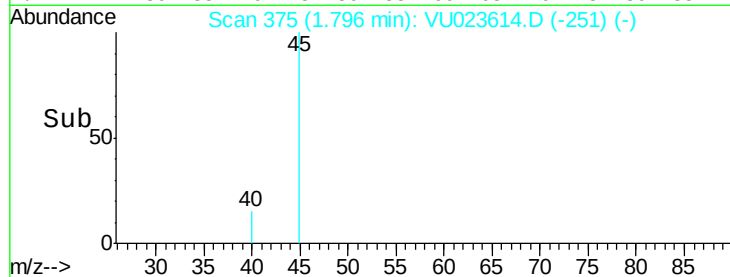
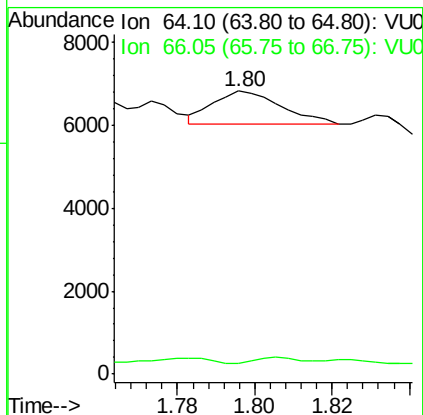
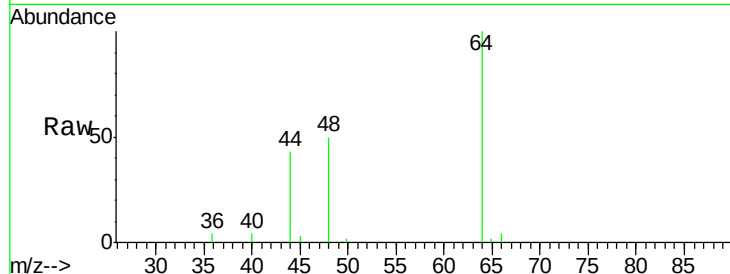
Ion 64.10 (63.80 to 64.80): VU0





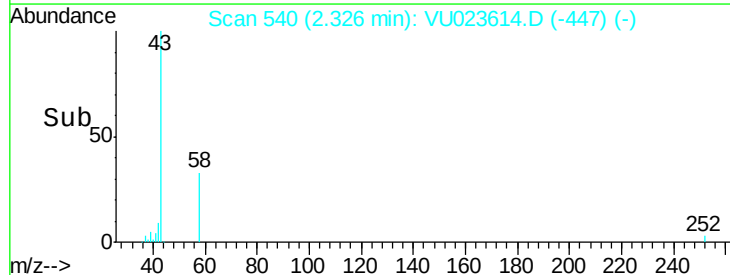
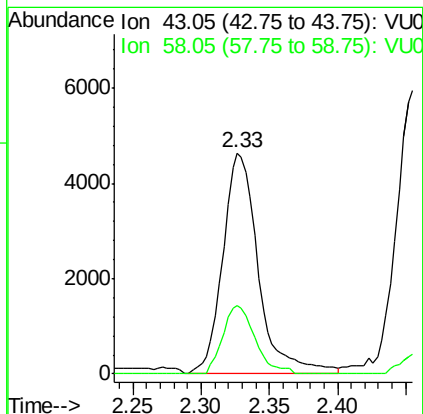
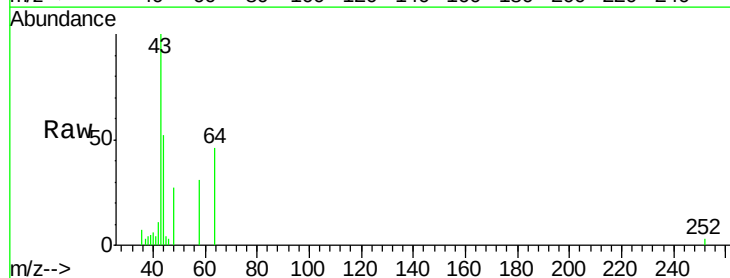
#8
 Chloroethane
 Concen: 0.22 ug/L
 RT: 1.80 min Scan# 375
 Delta R.T. 0.10 min
 Lab File: VU023614.D
 Acq: 03 May 2018 21:16

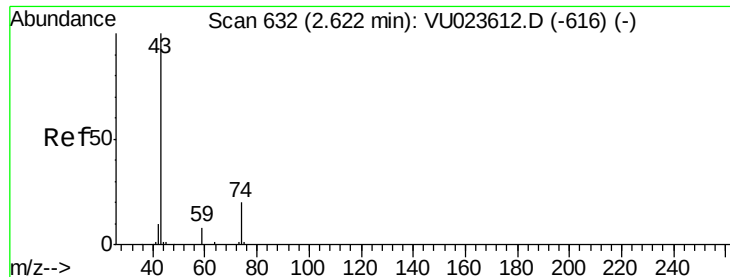
Tgt Ion: 64 Resp: 985
 Ion Ratio Lower Upper
 64 100
 66 3.9 20.6 38.2#



#13
 Acetone
 Concen: 8.90 ug/L
 RT: 2.33 min Scan# 540
 Delta R.T. -0.00 min
 Lab File: VU023614.D
 Acq: 03 May 2018 21:16

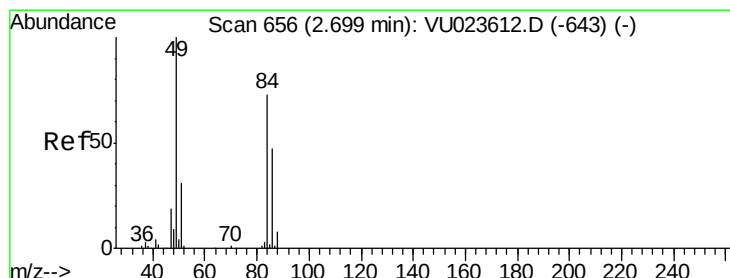
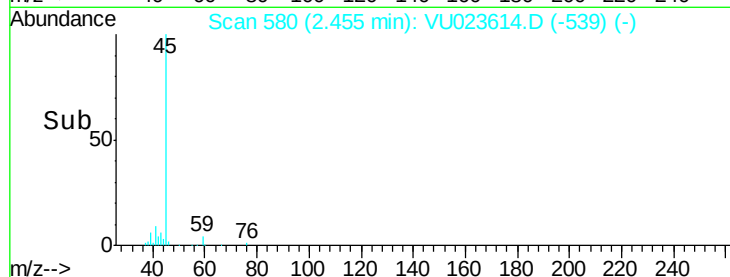
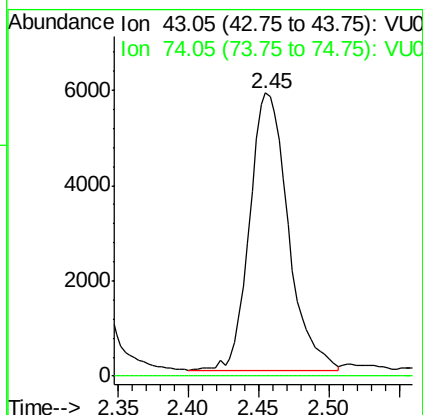
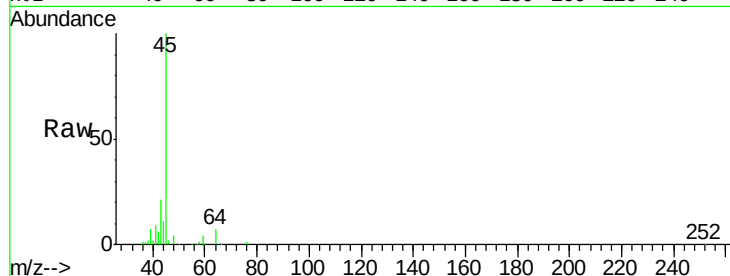
Tgt Ion: 43 Resp: 8446
 Ion Ratio Lower Upper
 43 100
 58 27.8 0.0 63.8





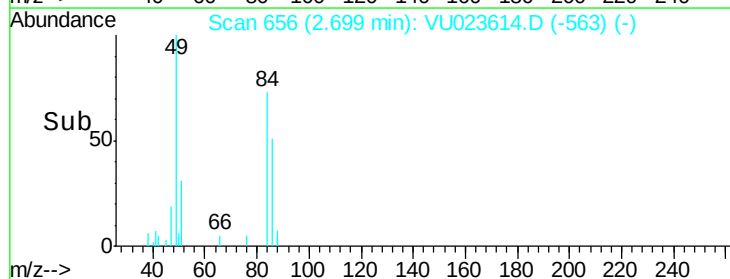
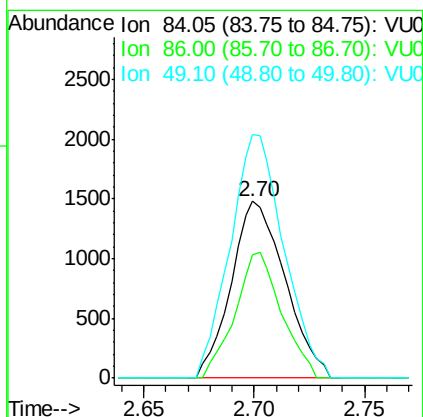
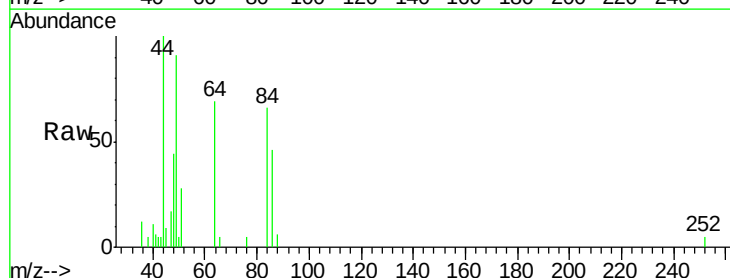
#15
Methyl Acetate
Concen: 4.16 ug/L
RT: 2.45 min Scan# 580
Delta R.T. -0.17 min
Lab File: VU023614.D
Acq: 03 May 2018 21:16

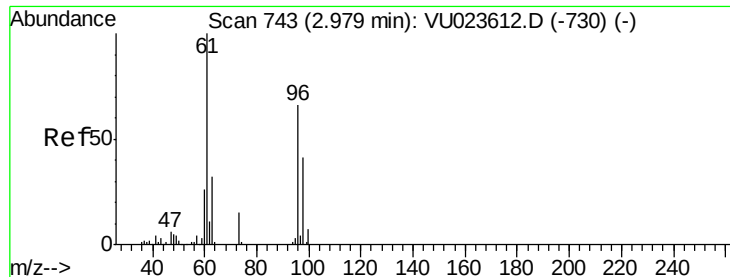
Tgt Ion: 43 Resp: 11095
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#16
Methylene chloride
Concen: 0.47 ug/L
RT: 2.70 min Scan# 656
Delta R.T. -0.00 min
Lab File: VU023614.D
Acq: 03 May 2018 21:16

Tgt Ion: 84 Resp: 2511
Ion Ratio Lower Upper
84 100
86 70.2 46.0 85.4
49 137.8 96.0 178.4





#18

trans-1,2-Dichloroethene

Concen: 0.51 ug/L

RT: 2.98 min Scan# 744

Delta R.T. 0.00 min

Lab File: VU023614.D

Acq: 03 May 2018 21:16

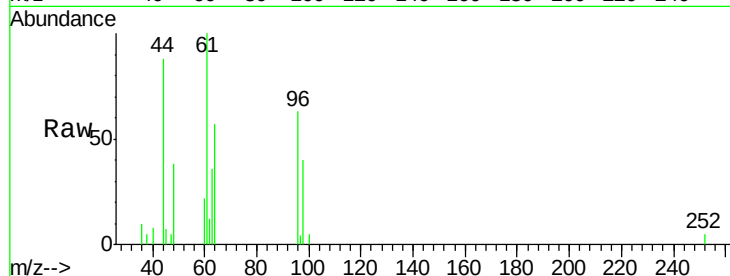
Tgt Ion: 96 Resp: 2622

Ion Ratio Lower Upper

96 100

61 158.2 109.0 202.4

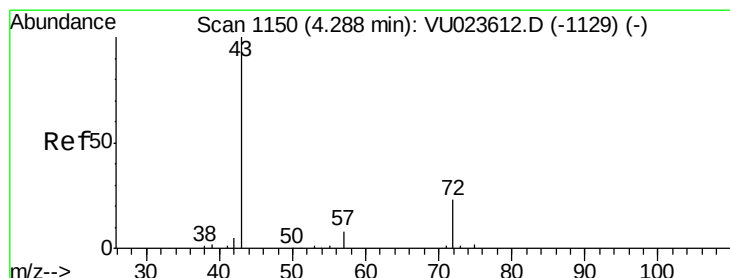
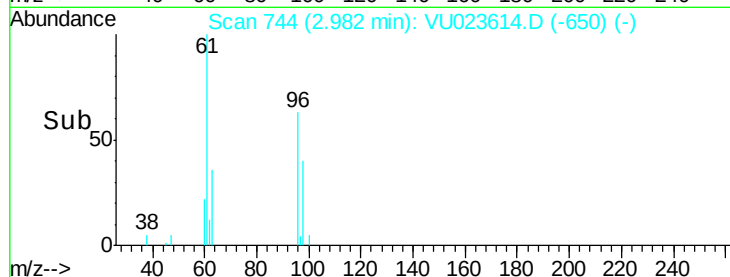
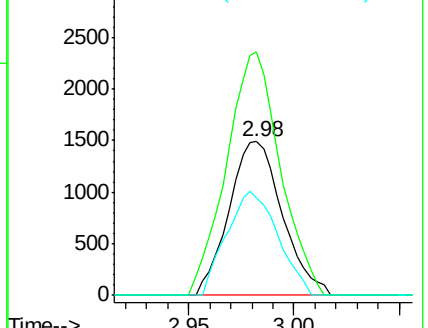
98 63.8 44.7 83.1



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: 0.40 ug/L

RT: 4.29 min Scan# 1150

Delta R.T. -0.00 min

Lab File: VU023614.D

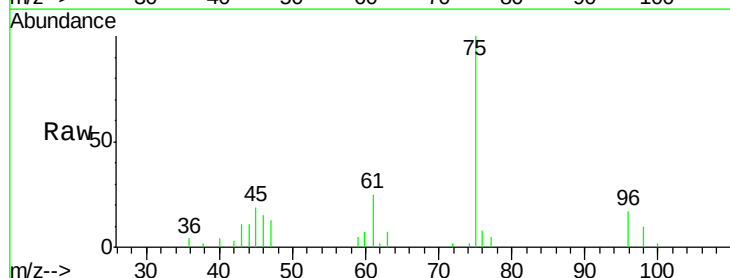
Acq: 03 May 2018 21:16

Tgt Ion: 43 Resp: 703

Ion Ratio Lower Upper

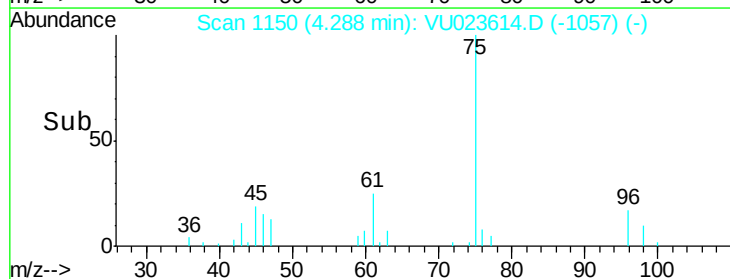
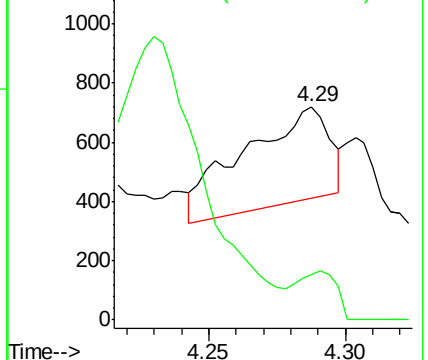
43 100

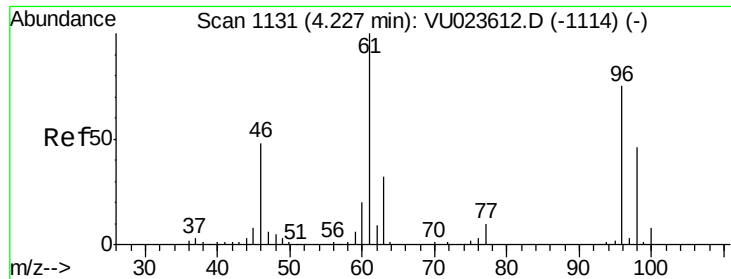
72 23.2 12.3 36.8



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: 44.10 ug/L

RT: 4.23 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VU023614.D

Acq: 03 May 2018 21:16

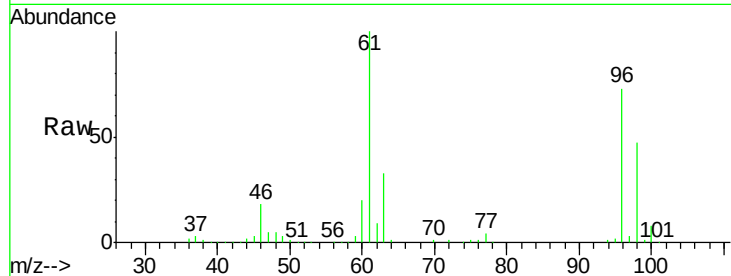
Tgt Ion: 96 Resp: 269970

Ion Ratio Lower Upper

96 100

61 137.3 94.6 175.6

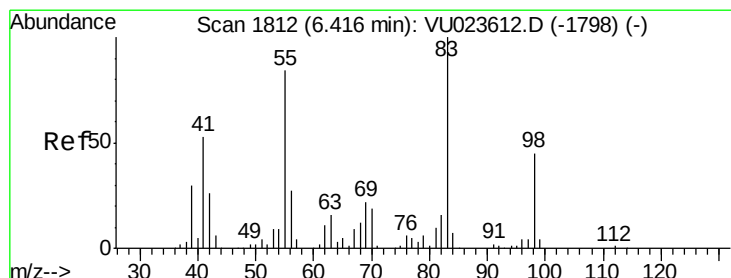
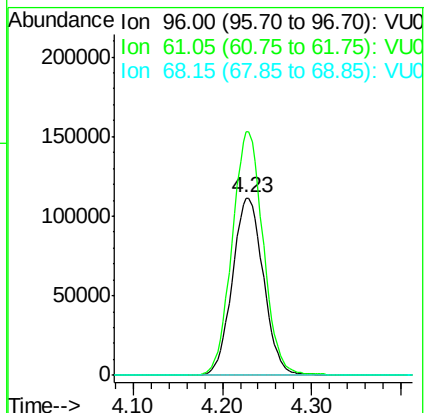
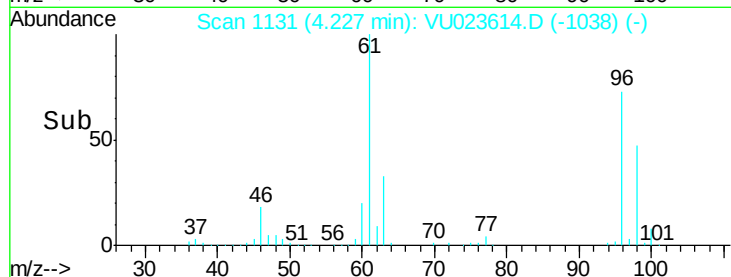
68 0.0 0.0 0.0



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



#35

Methylcyclohexane

Concen: 1.31 ug/L

RT: 6.34 min Scan# 1788

Delta R.T. -0.08 min

Lab File: VU023614.D

Acq: 03 May 2018 21:16

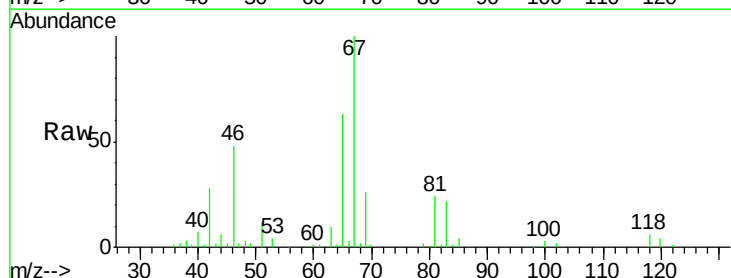
Tgt Ion: 83 Resp: 10517

Ion Ratio Lower Upper

83 100

55 1.4 68.4 102.6#

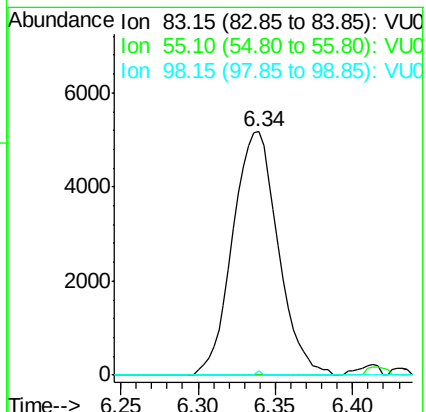
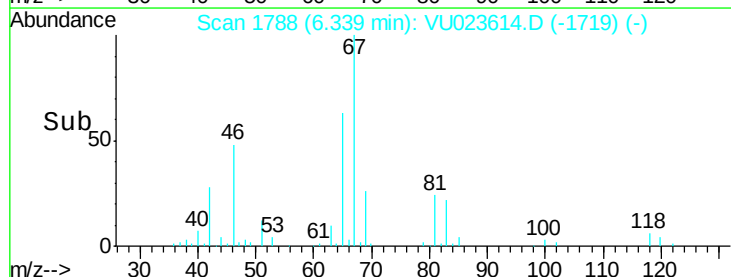
98 0.2 36.7 55.1#

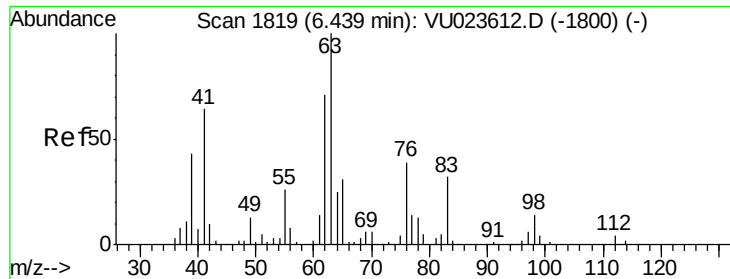


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

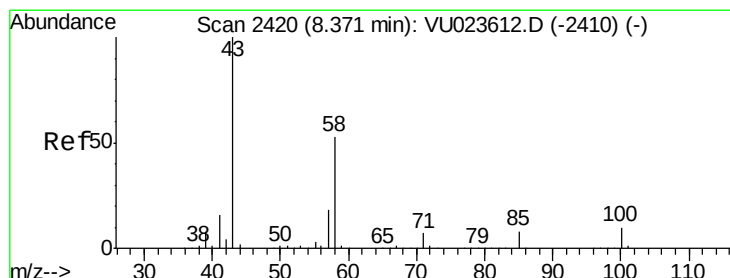
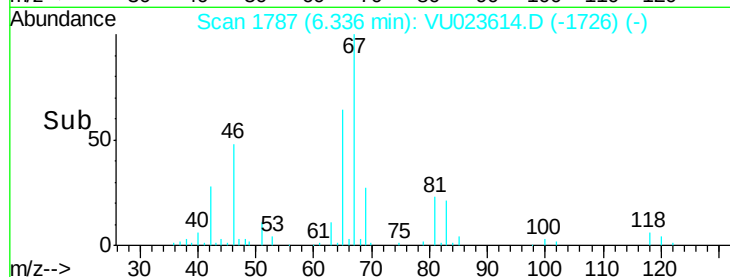
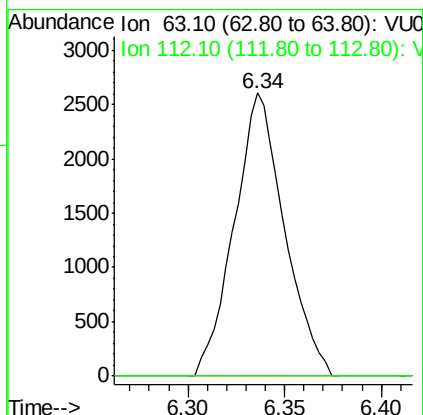
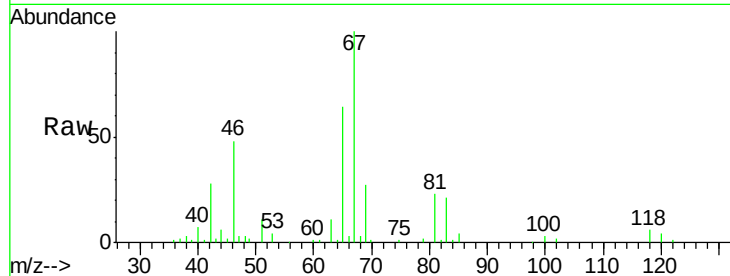
Ion 98.15 (97.85 to 98.85): VU0





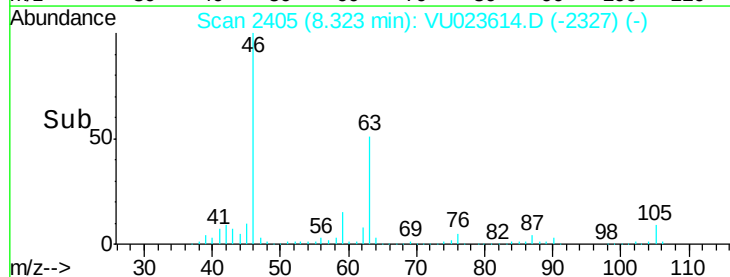
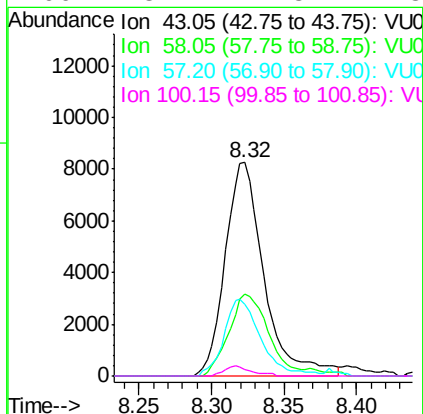
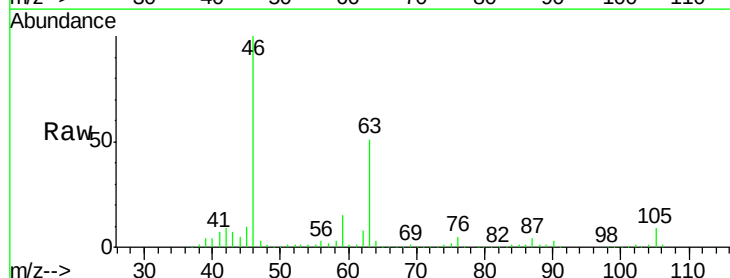
#37
 1,2-Dichloropropane
 Concen: 0.83 ug/L
 RT: 6.34 min Scan# 1787
 Delta R.T. -0.10 min
 Lab File: VU023614.D
 Acq: 03 May 2018 21:16

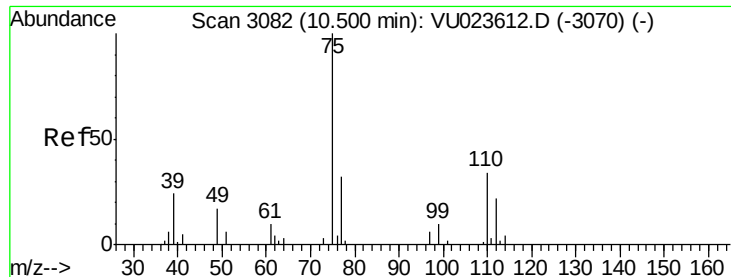
Tgt Ion: 63 Resp: 4701
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.4#



#48
 2-Hexanone
 Concen: 6.16 ug/L
 RT: 8.32 min Scan# 2405
 Delta R.T. -0.05 min
 Lab File: VU023614.D
 Acq: 03 May 2018 21:16

Tgt Ion: 43 Resp: 15326
 Ion Ratio Lower Upper
 43 100
 58 40.8 42.1 63.1#
 57 34.0 14.3 21.5#
 100 3.4 7.8 11.8#





#59

1,2,3-Trichloropropane

Concen: 1.00 ug/L

RT: 11.49 min Scan# 3390

Delta R.T. 0.99 min

Lab File: VU023614.D

Acq: 03 May 2018 21:16

Tgt Ion: 75 Resp: 3335

Ion Ratio Lower Upper

75 100

77 33.6 26.0 39.0

