

Data File : VU023616.D
Acq On : 03 May 2018 22:11
Operator : MD/SY
Sample : J2630-09
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 04 04:45:58 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	93560	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	81980	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.49	152	32297	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	39426	5.81	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	116.20%
7) Chloroethane-d5	1.68	69	32886	6.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	130.40%#
11) 1,1-Dichloroethene-d2	2.27	63	38906	3.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.20%
20) 2-Butanone-d5	4.20	46	155535	79.22	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	158.44%#
24) Chloroform-d	4.65	84	77670	6.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	127.60%#
26) 1,2-Dichloroethane-d4	5.32	65	47938	7.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	147.00%#
32) Benzene-d6	5.35	84	135084	6.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	124.20%
36) 1,2-Dichloropropane-d6	6.34	67	54301	7.58	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	151.60%#
41) Toluene-d8	7.57	98	83075	4.11	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.20%
43) trans-1,3-Dichloropropene-	7.86	79	11701	4.43	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.60%
46) 2-Hexanone-d5	8.32	63	105094	77.72	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	155.44%#
57) 1,1,2,2-Tetrachloroethane-	10.44	84	46541	8.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	163.20%#
64) 1,2-Dichlorobenzene-d4	11.87	152	36197	6.03	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	120.60%#

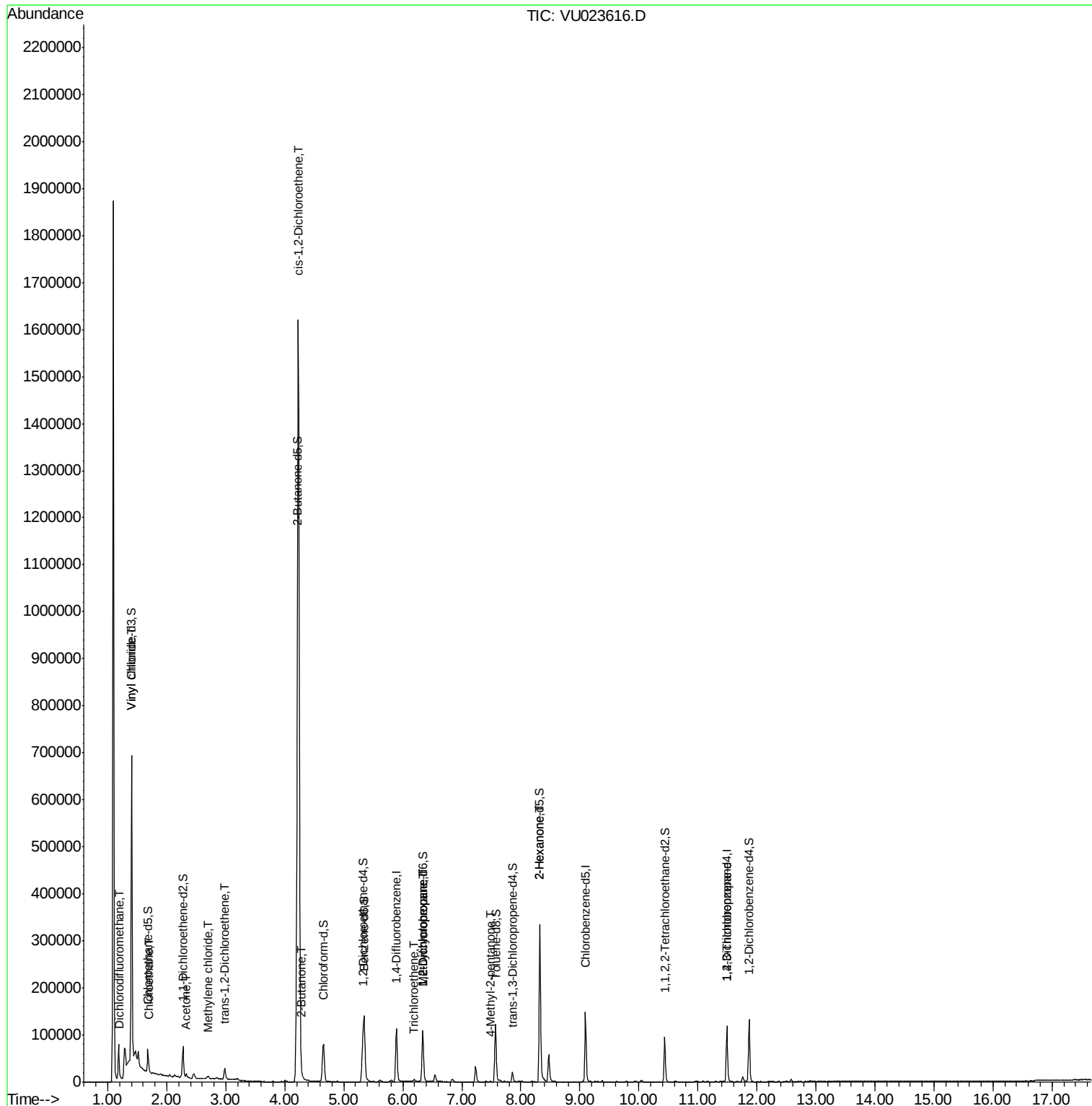
Target Compounds

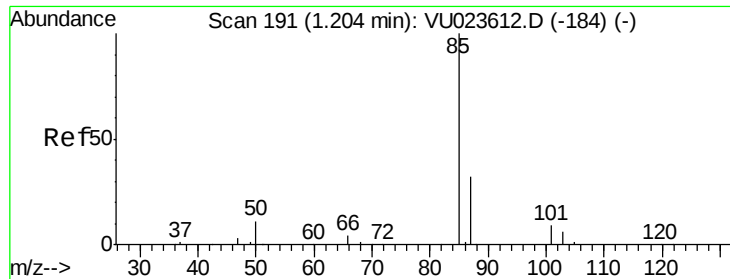
						Qvalue
2) Dichlorodifluoromethane	1.21	85	1878	0.21	ug/L	99
5) Vinyl chloride	1.40	62	381112	43.57	ug/L	99
8) Chloroethane	1.70	64	4623	0.87	ug/L #	61
13) Acetone	2.33	43	8649	7.71	ug/L	99
16) Methylene chloride	2.70	84	1880	0.30	ug/L	86
18) trans-1,2-Dichloroethene	2.98	96	8819	1.45	ug/L	94
21) 2-Butanone	4.29	43	501	0.24	ug/L #	51
22) cis-1,2-Dichloroethene	4.23	96	862089	119.16	ug/L	98
34) Trichloroethene	6.19	95	1416	0.22	ug/L	92
35) Methylcyclohexane	6.34	83	11447	1.17	ug/L #	23
37) 1,2-Dichloropropane	6.34	63	5605	0.82	ug/L #	89
40) 4-Methyl-2-pentanone	7.48	43	1217	0.29	ug/L #	79
48) 2-Hexanone	8.32	43	15548	5.13	ug/L #	76
59) 1,2,3-Trichloropropane	11.49	75	3780	0.93	ug/L	94

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

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#2

Dichlorodifluoromethane

Concen: 0.21 ug/L

RT: 1.21 min Scan# 192

Delta R.T. 0.00 min

Lab File: VU023616.D

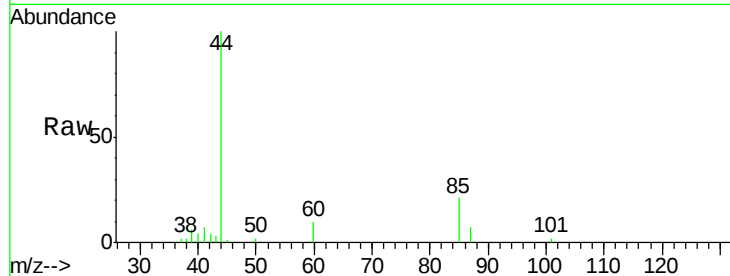
Acq: 03 May 2018 22:11

Tgt Ion: 85 Resp: 1878

Ion Ratio Lower Upper

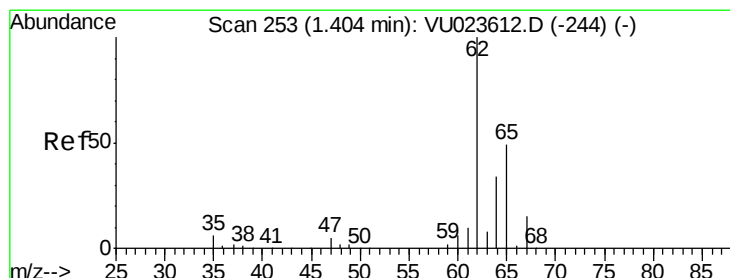
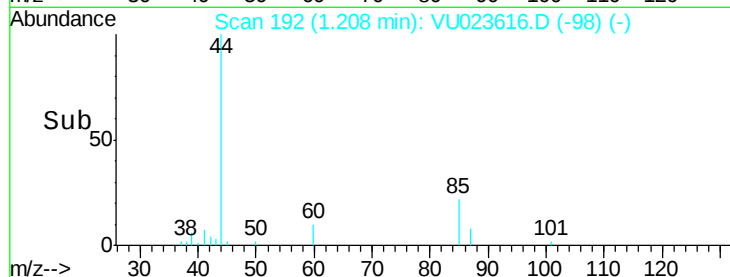
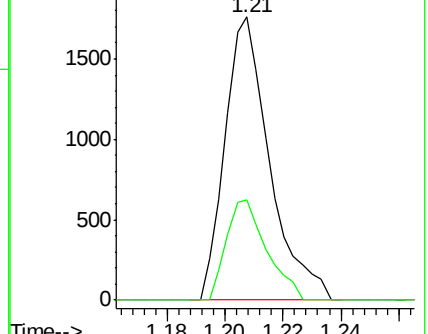
85 100

87 31.8 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: 43.57 ug/L

RT: 1.40 min Scan# 253

Delta R.T. -0.00 min

Lab File: VU023616.D

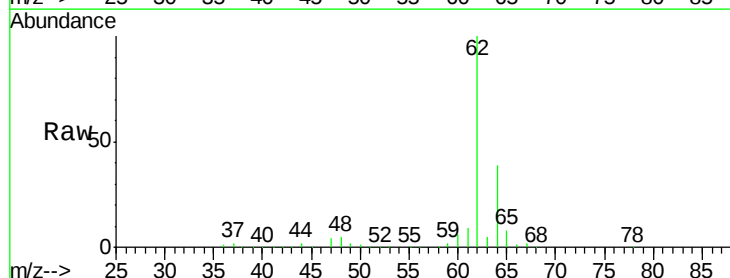
Acq: 03 May 2018 22:11

Tgt Ion: 62 Resp: 381112

Ion Ratio Lower Upper

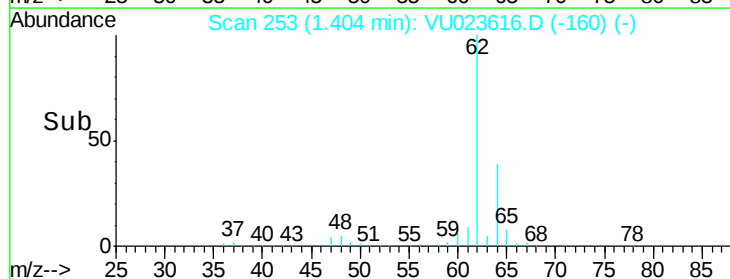
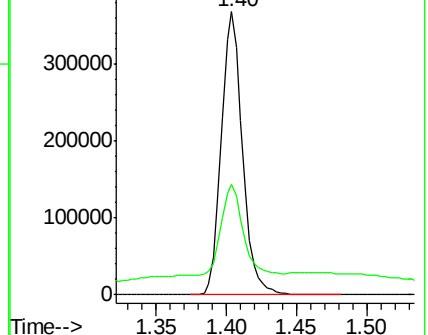
62 100

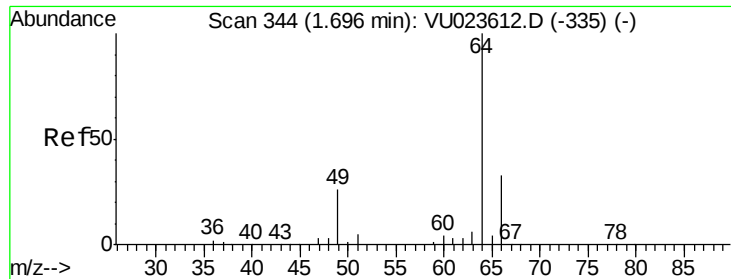
64 39.1 26.9 49.9



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0





#8

Chloroethane

Concen: 0.87 ug/L

RT: 1.70 min Scan# 346

Delta R.T. 0.01 min

Lab File: VU023616.D

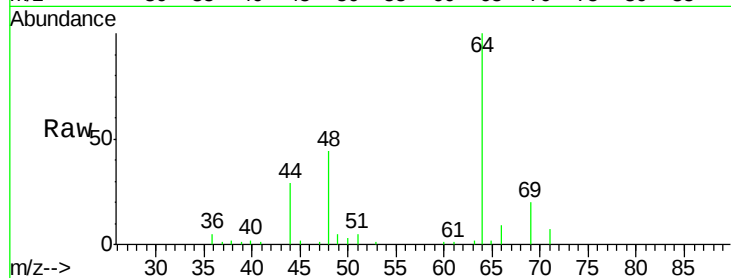
Acq: 03 May 2018 22:11

Tgt Ion: 64 Resp: 4623

Ion Ratio Lower Upper

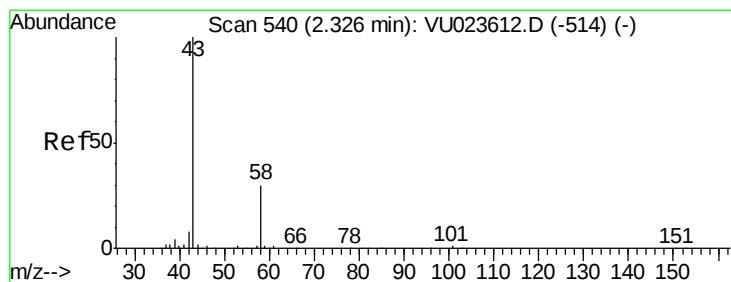
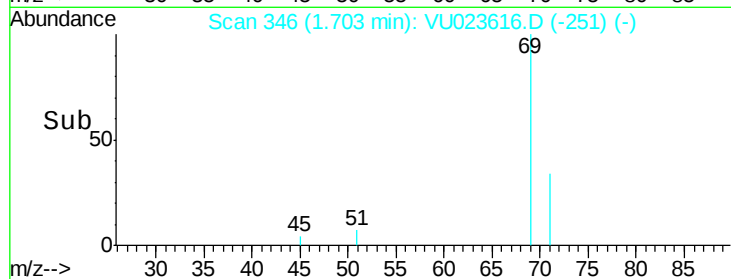
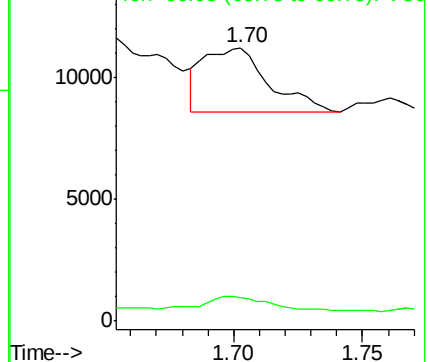
64 100

66 8.7 20.6 38.2#



Abundance Ion 64.10 (63.80 to 64.80): VU0

Ion 66.05 (65.75 to 66.75): VU0



#13

Acetone

Concen: 7.71 ug/L

RT: 2.33 min Scan# 540

Delta R.T. -0.00 min

Lab File: VU023616.D

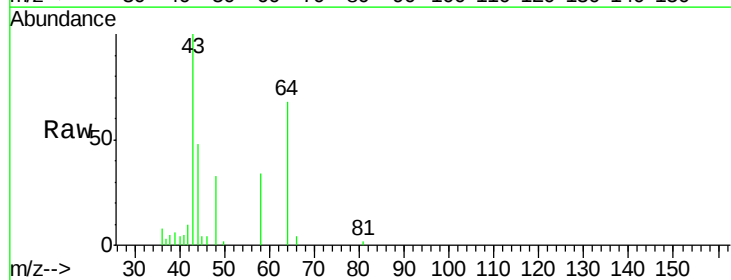
Acq: 03 May 2018 22:11

Tgt Ion: 43 Resp: 8649

Ion Ratio Lower Upper

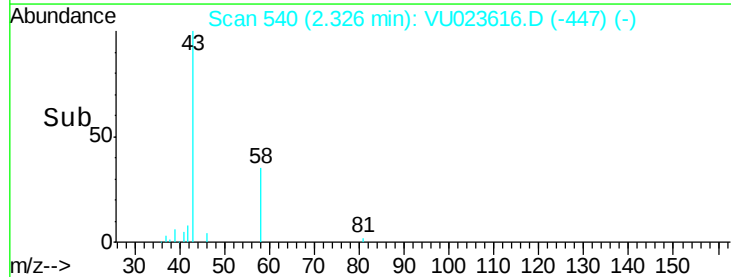
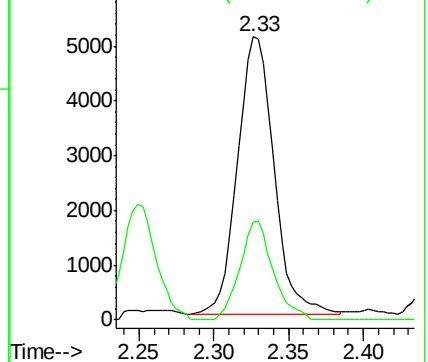
43 100

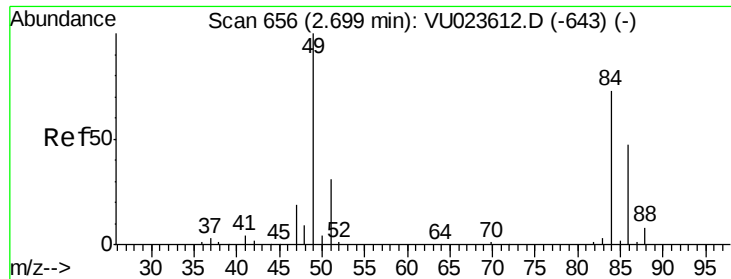
58 32.2 0.0 63.8



Abundance Ion 43.05 (42.75 to 43.75): VU0

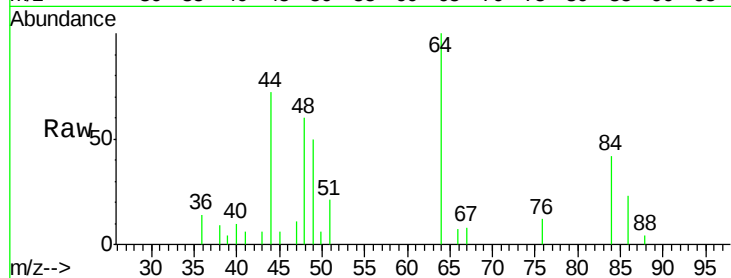
Ion 58.05 (57.75 to 58.75): VU0



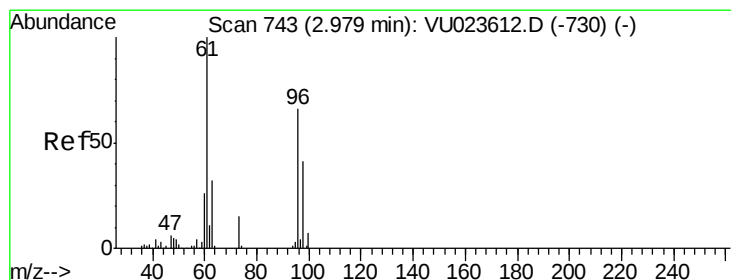
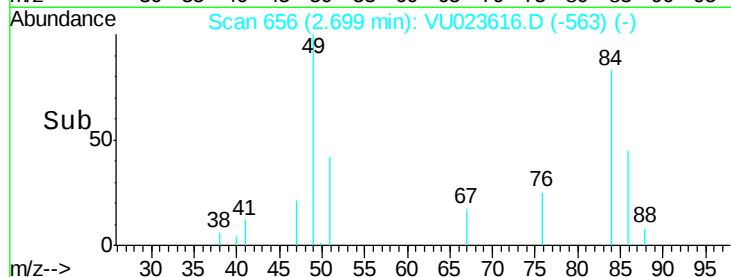
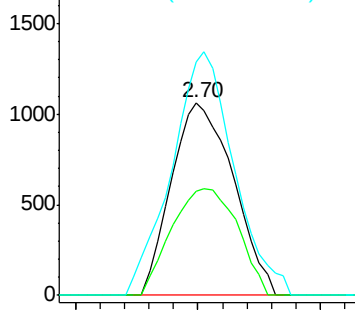


#16
Methylene chloride
Concen: 0.30 ug/L
RT: 2.70 min Scan# 656
Delta R.T. -0.00 min
Lab File: VU023616.D
Acq: 03 May 2018 22:11

Tgt Ion: 84 Resp: 1880
Ion Ratio Lower Upper
84 100
86 53.9 46.0 85.4
49 120.7 96.0 178.4

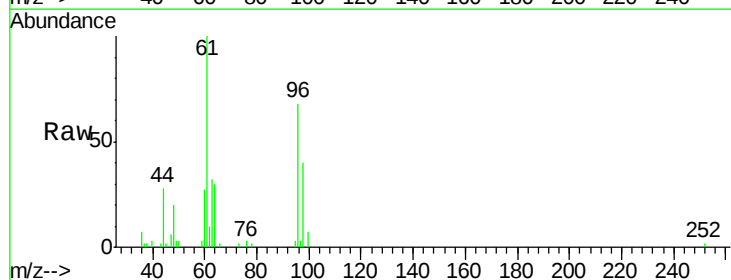


Abundance Ion 84.05 (83.75 to 84.75): VU0
Ion 86.00 (85.70 to 86.70): VU0
Ion 49.10 (48.80 to 49.80): VU0

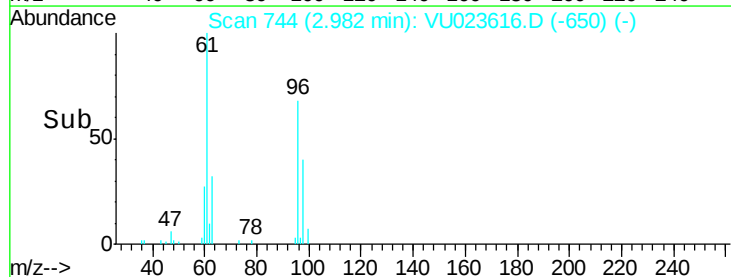
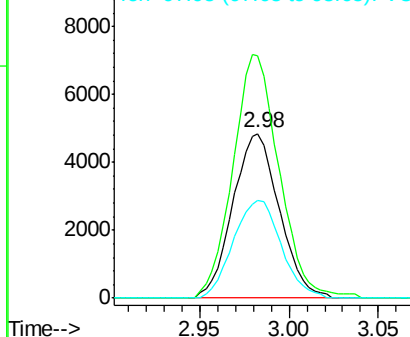


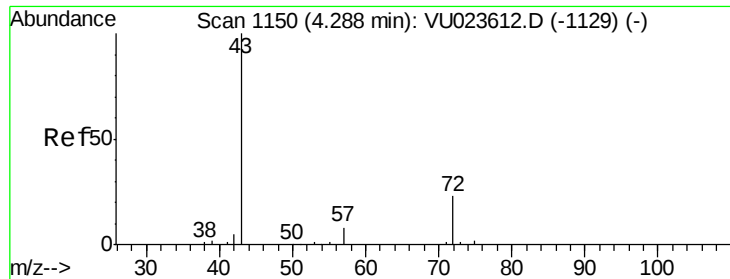
#18
trans-1,2-Dichloroethene
Concen: 1.45 ug/L
RT: 2.98 min Scan# 744
Delta R.T. 0.00 min
Lab File: VU023616.D
Acq: 03 May 2018 22:11

Tgt Ion: 96 Resp: 8819
Ion Ratio Lower Upper
96 100
61 147.4 109.0 202.4
98 59.7 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: 0.24 ug/L

RT: 4.29 min Scan# 1150

Delta R.T. -0.00 min

Lab File: VU023616.D

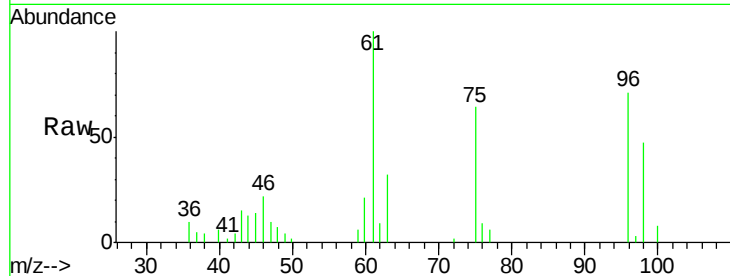
Acq: 03 May 2018 22:11

Tgt Ion: 43 Resp: 501

Ion Ratio Lower Upper

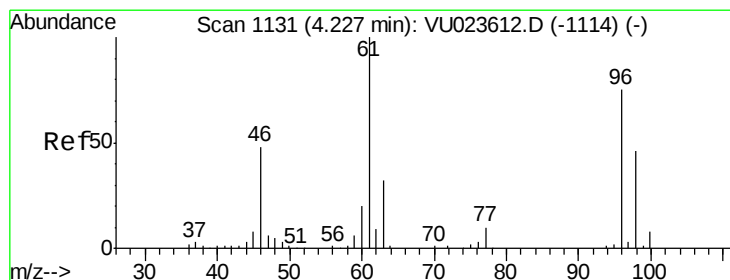
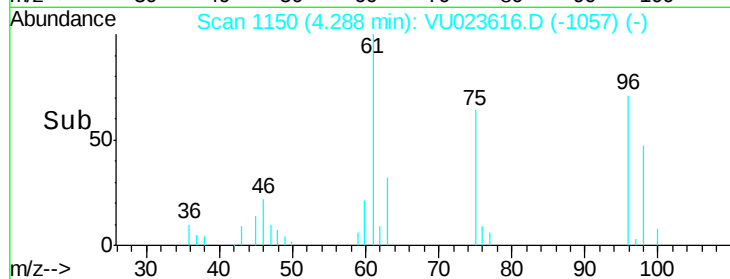
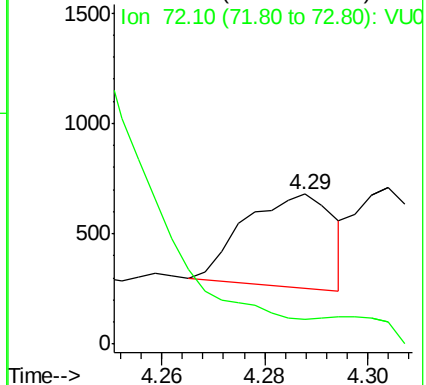
43 100

72 0.0 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: 119.16 ug/L

RT: 4.23 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VU023616.D

Acq: 03 May 2018 22:11

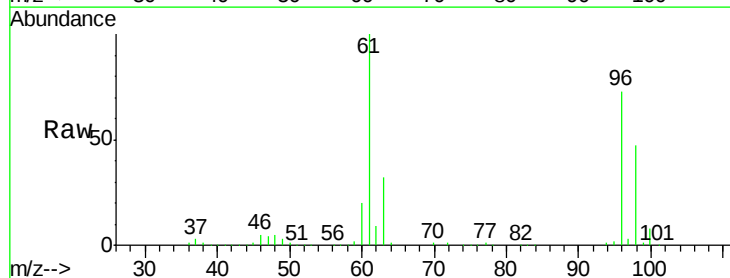
Tgt Ion: 96 Resp: 862089

Ion Ratio Lower Upper

96 100

61 137.3 94.6 175.6

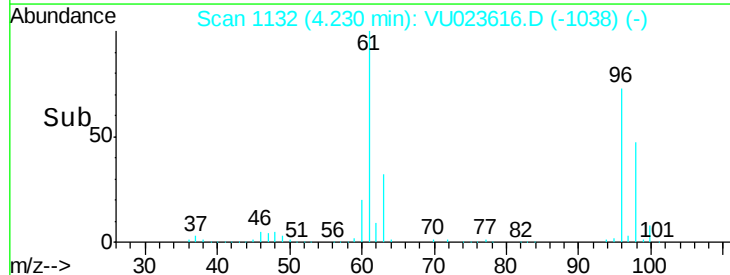
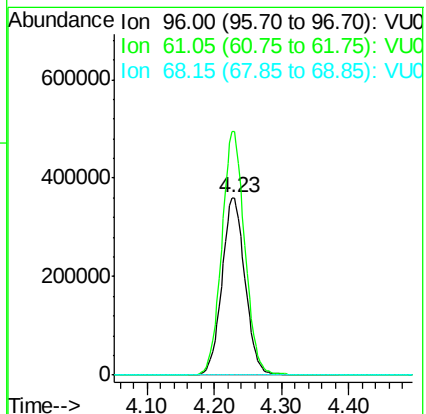
68 0.0 0.0 0.0

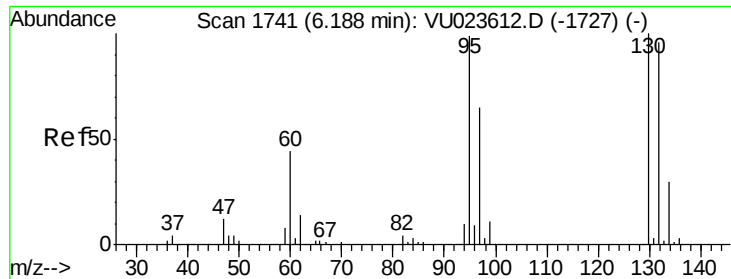


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

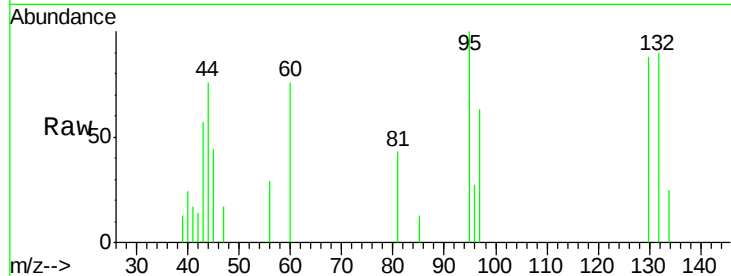
Ion 68.15 (67.85 to 68.85): VU0



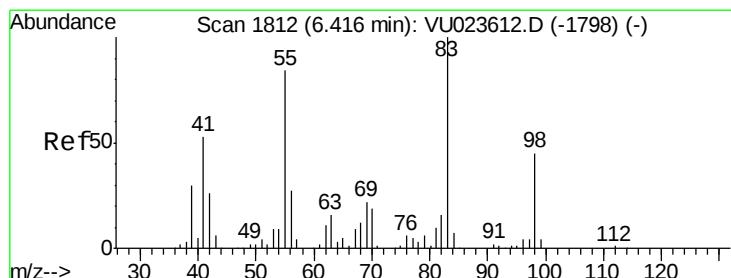
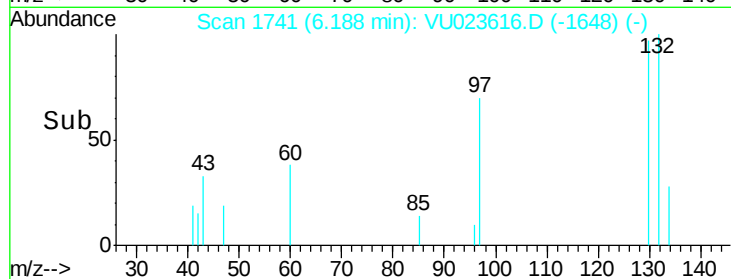
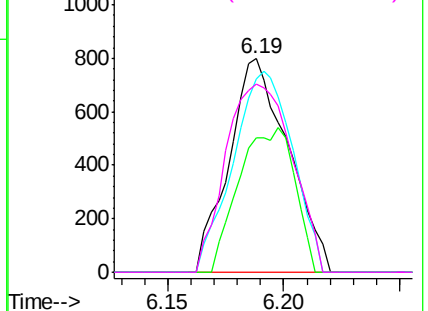


#34
 Trichloroethene
 Concen: 0.22 ug/L
 RT: 6.19 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VU023616.D
 Acq: 03 May 2018 22:11

Tgt Ion: 95 Resp: 1416
 Ion Ratio Lower Upper
 95 100
 97 63.2 46.0 85.4
 132 90.5 68.1 126.5
 130 88.1 70.1 130.1

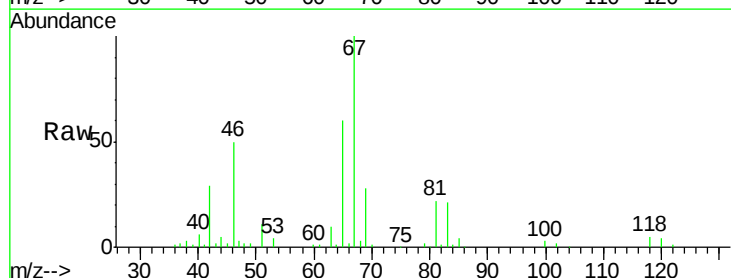


Abundance Ion 95.00 (94.70 to 95.70): VU0
 Ion 96.95 (96.65 to 97.65): VU0
 Ion 131.95 (131.65 to 132.65): V
 Ion 129.95 (129.65 to 130.65): V

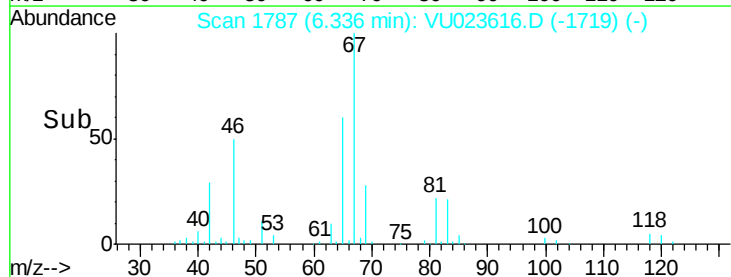
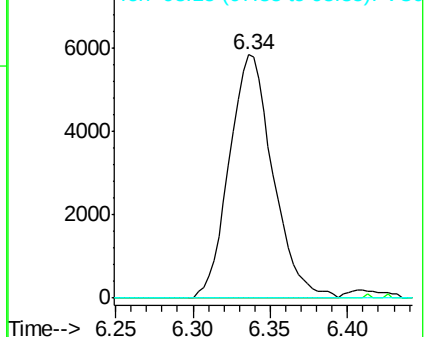


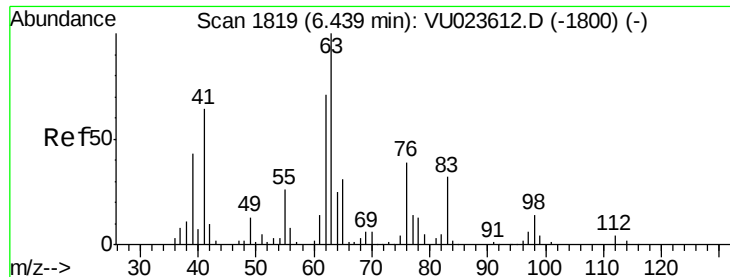
#35
 Methylcyclohexane
 Concen: 1.17 ug/L
 RT: 6.34 min Scan# 1787
 Delta R.T. -0.08 min
 Lab File: VU023616.D
 Acq: 03 May 2018 22:11

Tgt Ion: 83 Resp: 11447
 Ion Ratio Lower Upper
 83 100
 55 11.8 68.4 102.6#
 98 0.0 36.7 55.1#



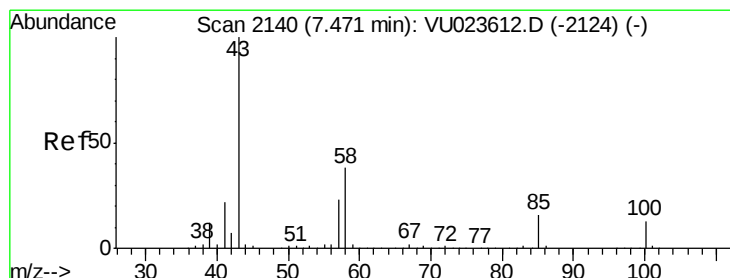
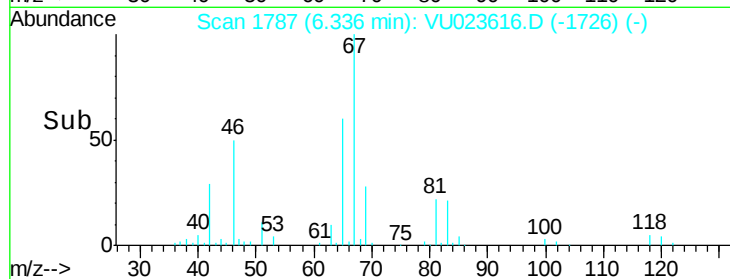
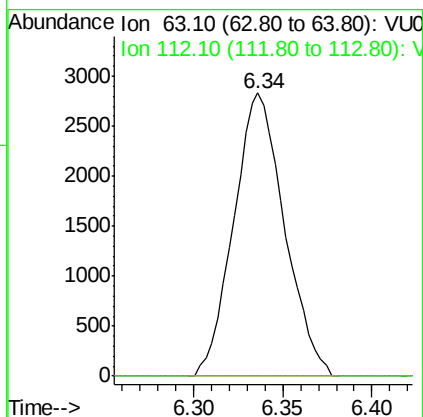
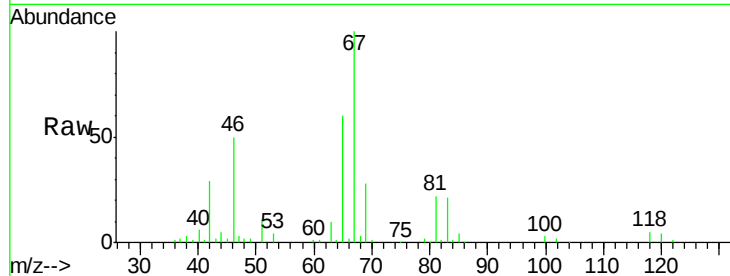
Abundance Ion 83.15 (82.85 to 83.85): VU0
 Ion 55.10 (54.80 to 55.80): VU0
 Ion 98.15 (97.85 to 98.85): VU0





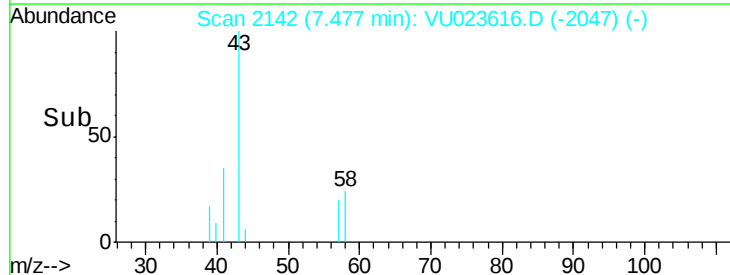
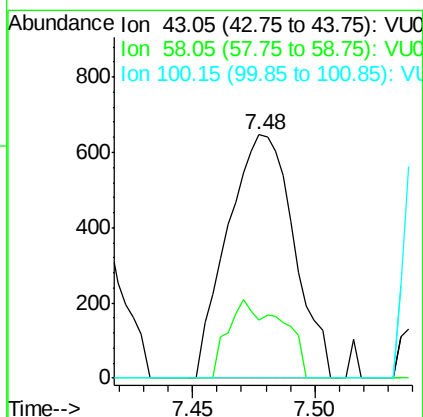
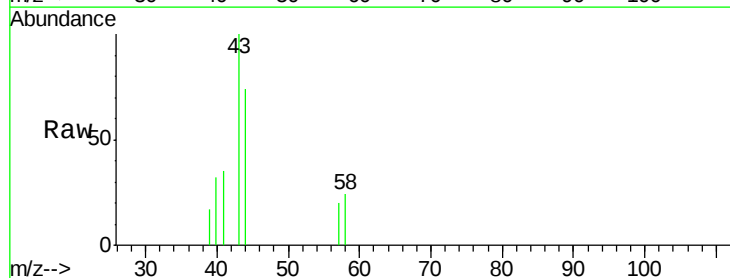
#37
 1,2-Dichloropropane
 Concen: 0.82 ug/L
 RT: 6.34 min Scan# 1787
 Delta R.T. -0.10 min
 Lab File: VU023616.D
 Acq: 03 May 2018 22:11

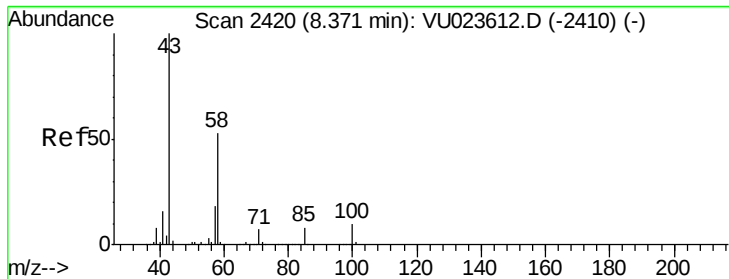
Tgt Ion: 63 Resp: 5605
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.0 4.4#



#40
 4-Methyl-2-pentanone
 Concen: 0.29 ug/L
 RT: 7.48 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VU023616.D
 Acq: 03 May 2018 22:11

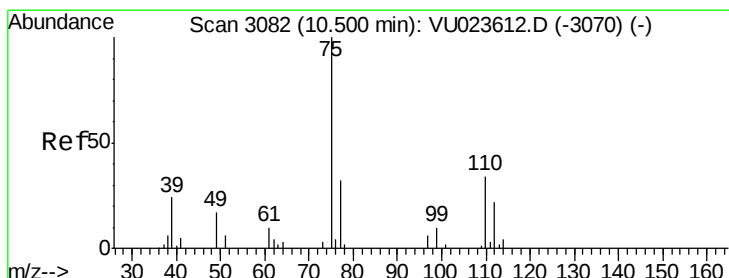
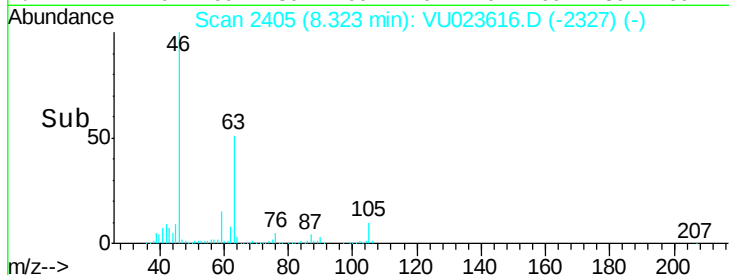
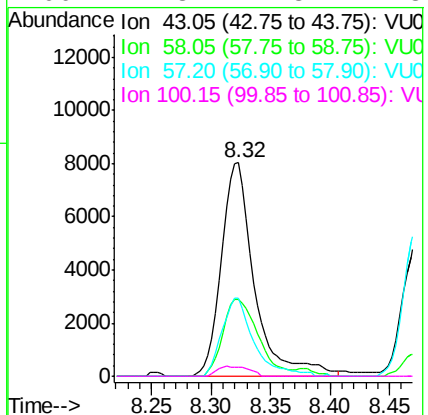
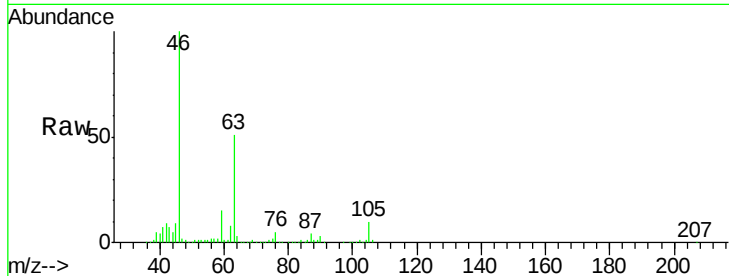
Tgt Ion: 43 Resp: 1217
 Ion Ratio Lower Upper
 43 100
 58 26.5 29.7 44.5#
 100 0.0 10.1 15.1#





#48
 2-Hexanone
 Concen: 5.13 ug/L
 RT: 8.32 min Scan# 2405
 Delta R.T. -0.05 min
 Lab File: VU023616.D
 Acq: 03 May 2018 22:11

Tgt Ion:	43	Resp:	15548
Ion	Ratio	Lower	Upper
43	100		
58	38.1	42.1	63.1#
57	35.3	14.3	21.5#
100	4.3	7.8	11.8#



#59
 1,2,3-Trichloropropane
 Concen: 0.93 ug/L
 RT: 11.49 min Scan# 3390
 Delta R.T. 0.99 min
 Lab File: VU023616.D
 Acq: 03 May 2018 22:11

Tgt Ion:	75	Resp:	3780
Ion	Ratio	Lower	Upper
75	100		
77	36.0	26.0	39.0

