

Data File : VR026386.D
Acq On : 26 Feb 2019 14:06
Operator : SY/MD
Sample : K1589-07
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 27 07:33:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR022219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Feb 27 07:30:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	495991	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	398650	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	121356	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.14	65	161242	3.32	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.40%
7) Chloroethane-d5	2.62	69	150830	3.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	75.80%
11) 1,1-Dichloroethene-d2	3.60	63	327890	2.88	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.60%#
20) 2-Butanone-d5	6.59	46	169735	47.93	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.86%
24) Chloroform-d	7.20	84	324128	4.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.00%
26) 1,2-Dichloroethane-d4	7.89	65	134103	4.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.60%
32) Benzene-d6	7.85	84	583236	3.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.80%
36) 1,2-Dichloropropane-d6	8.89	67	161742	4.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.20%
41) Toluene-d8	9.97	98	497352	3.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	73.60%
43) trans-1,3-Dichloropropene-	10.23	79	30730	3.07	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	61.40%
46) 2-Hexanone-d5	10.59	63	127484	50.41	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.82%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	59077	4.10	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	82.00%
64) 1,2-Dichlorobenzene-d4	13.51	152	103844	4.95	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	99.00%

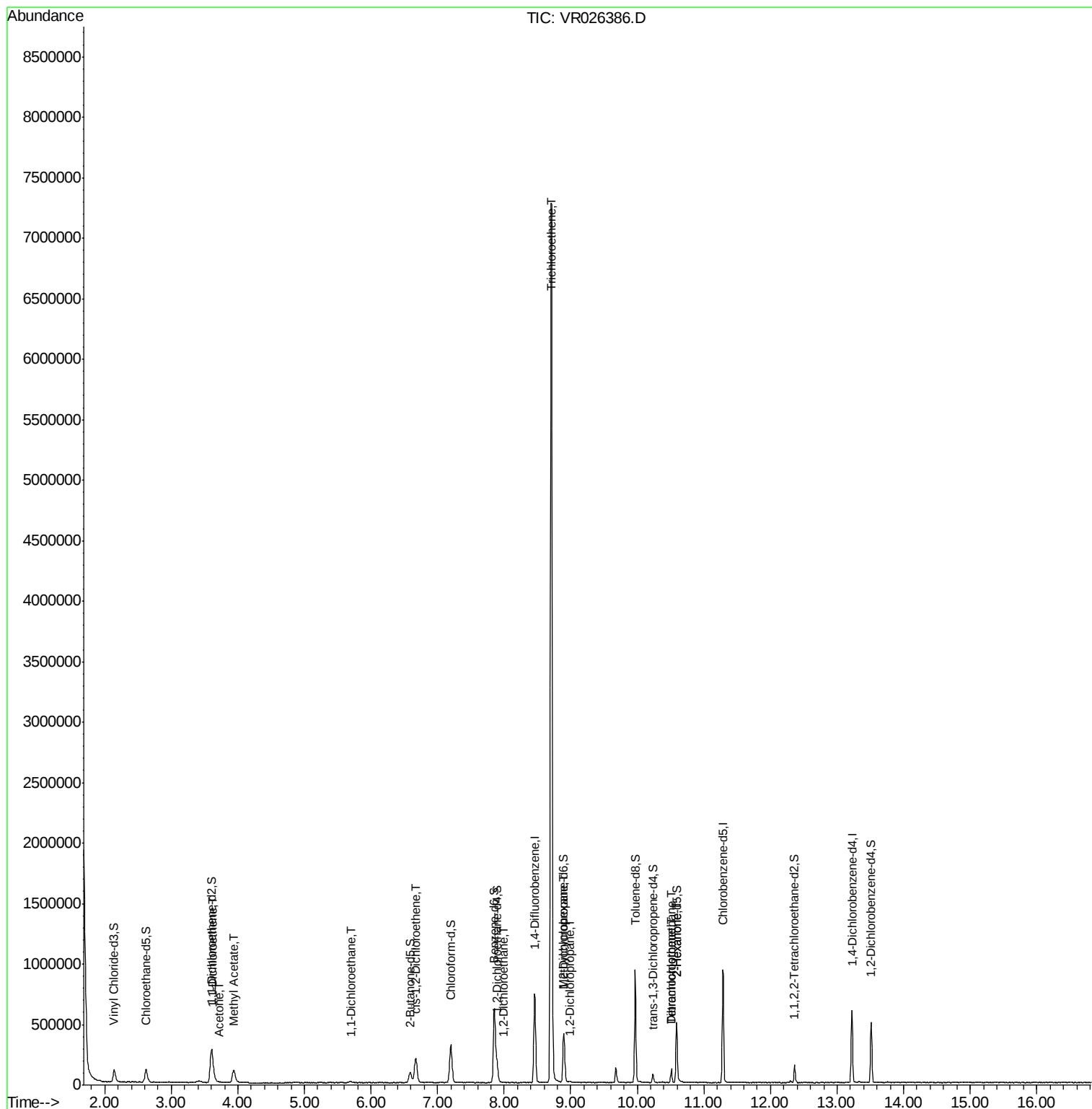
Target Compounds

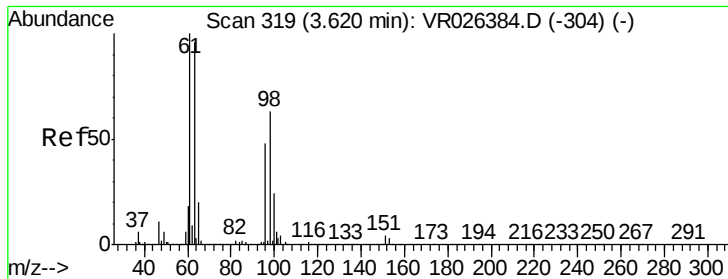
					Qvalue	
12) 1,1-Dichloroethene	3.62	96	13488	0.311	ug/L #	1
13) Acetone	3.70	43	8949	2.809	ug/L	95
15) Methyl Acetate	3.93	43	51349	5.695	ug/L #	56
19) 1,1-Dichloroethane	5.69	63	15010	0.207	ug/L #	81
22) cis-1,2-Dichloroethene	6.67	96	108426	3.267	ug/L #	100
27) 1,2-Dichloroethane	7.99	62	3801	0.116	ug/L #	95
34) Trichloroethene	8.71	95	2338351	60.674	ug/L	97
35) Methylcyclohexane	8.90	83	40277	0.737	ug/L #	15
37) 1,2-Dichloropropane	8.99	63	3092	0.095	ug/L	98
47) Tetrachloroethene	10.51	164	22765	0.815	ug/L	94
48) 2-Hexanone	10.59	43	22552	3.669	ug/L #	45
49) Dibromochloromethane	10.51	129	19062	1.141	ug/L #	12

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

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#12

1,1-Dichloroethene

Concen: 0.311 ug/L

RT: 3.62 min Scan# 319

Delta R.T. -0.00 min

Lab File: VR026386.D

Acq: 26 Feb 2019 14:06

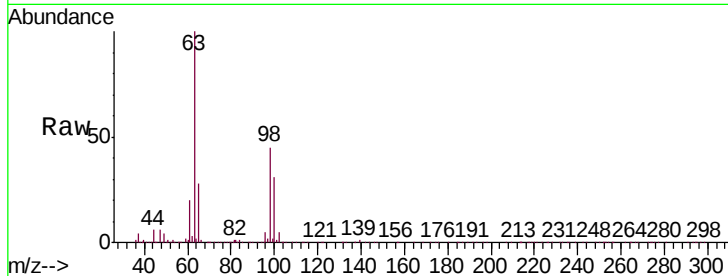
Tgt Ion: 96 Resp: 13488

Ion Ratio Lower Upper

96 100

61 401.5 135.9 252.5#

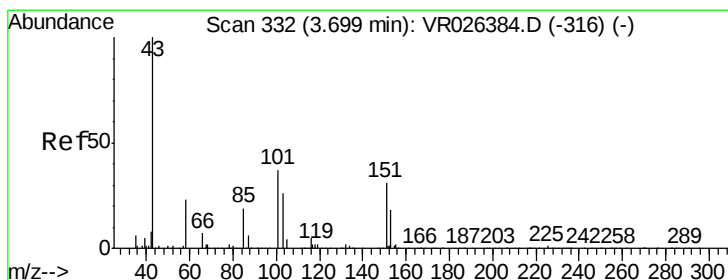
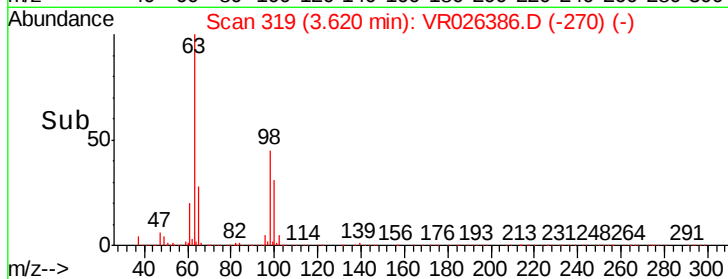
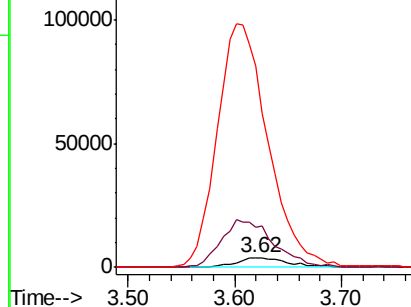
63 2051.5 136.6 253.6#



Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0



#13

Acetone

Concen: 2.809 ug/L

RT: 3.70 min Scan# 333

Delta R.T. 0.01 min

Lab File: VR026386.D

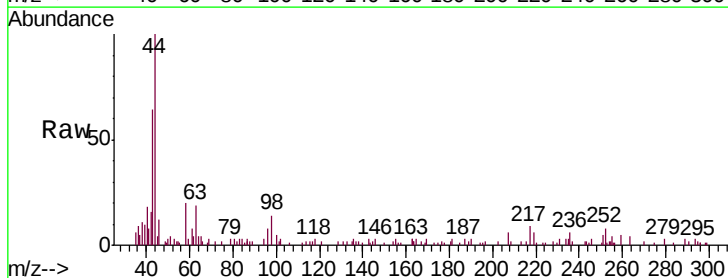
Acq: 26 Feb 2019 14:06

Tgt Ion: 43 Resp: 8949

Ion Ratio Lower Upper

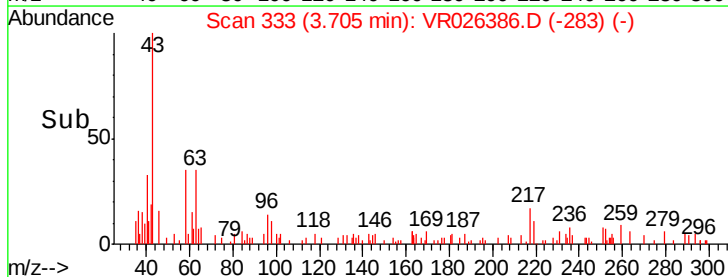
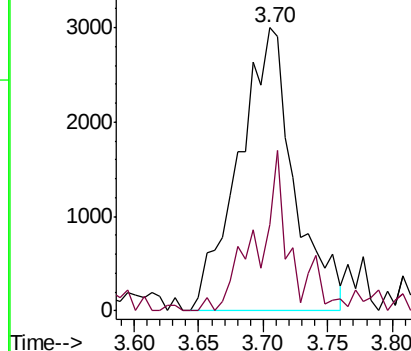
43 100

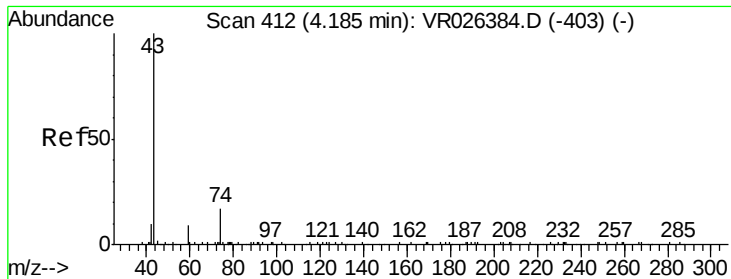
58 28.6 0.0 52.2



Abundance Ion 43.05 (42.75 to 43.75): VR0

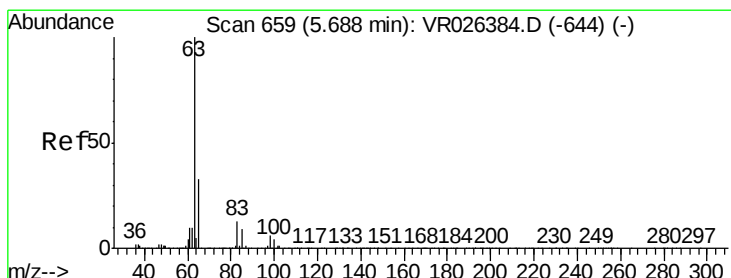
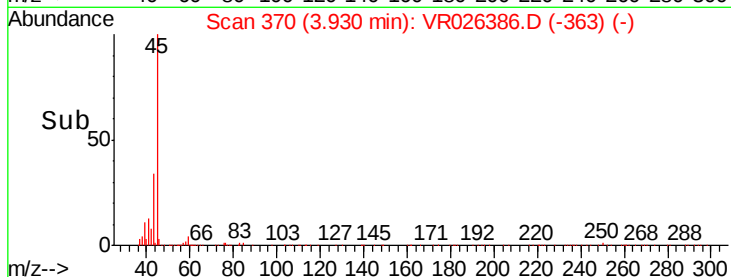
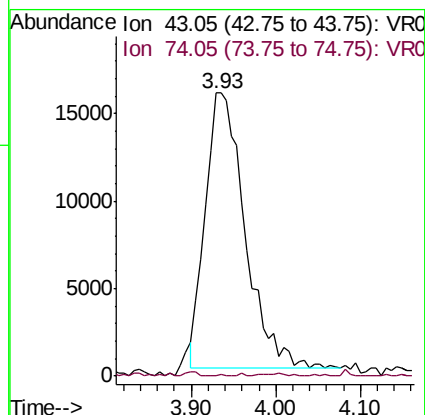
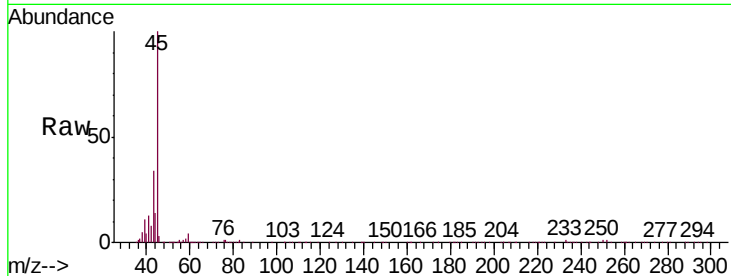
Ion 58.05 (57.75 to 58.75): VR0





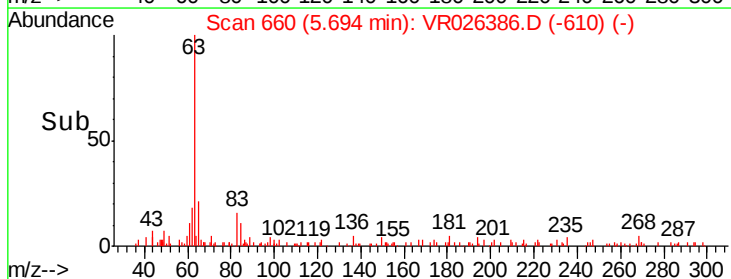
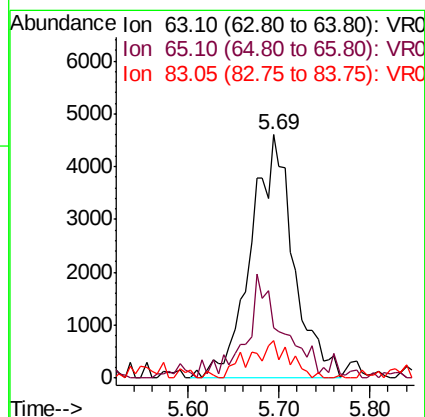
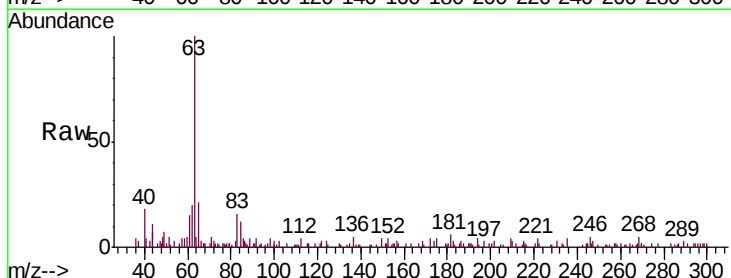
#15
Methyl Acetate
Concen: 5.695 ug/L
RT: 3.93 min Scan# 370
Delta R.T. -0.26 min
Lab File: VR026386.D
Acq: 26 Feb 2019 14:06

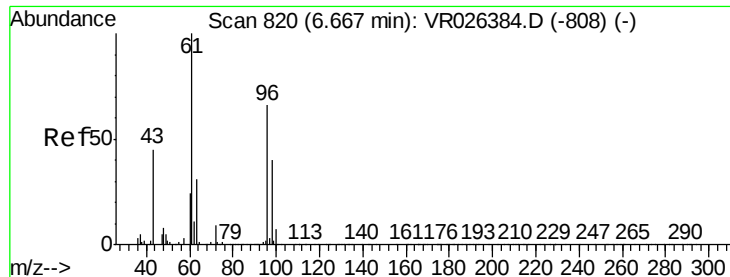
Tgt Ion: 43 Resp: 51349
Ion Ratio Lower Upper
43 100
74 0.1 16.6 25.0#



#19
1,1-Dichloroethane
Concen: 0.207 ug/L
RT: 5.69 min Scan# 660
Delta R.T. 0.01 min
Lab File: VR026386.D
Acq: 26 Feb 2019 14:06

Tgt Ion: 63 Resp: 15010
Ion Ratio Lower Upper
63 100
65 20.6 23.6 43.8#
83 15.5 8.8 16.4

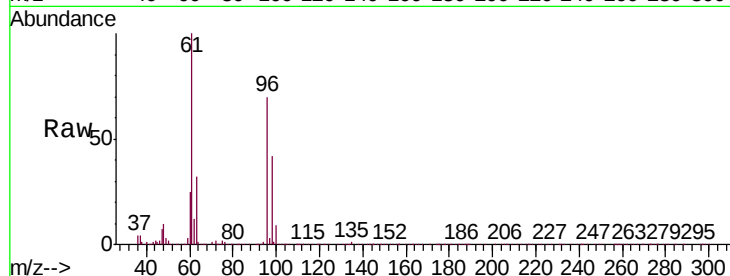




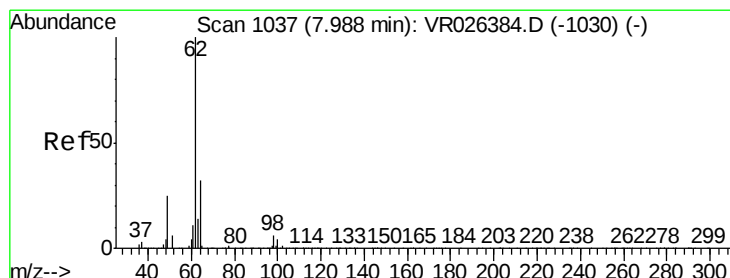
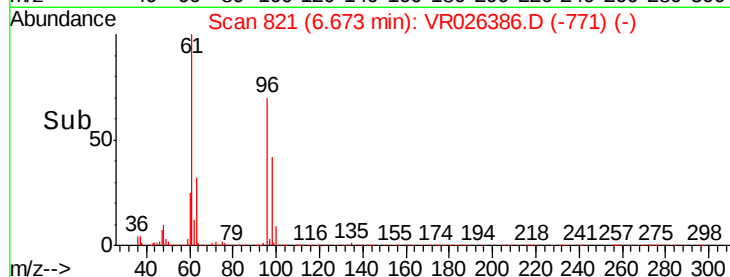
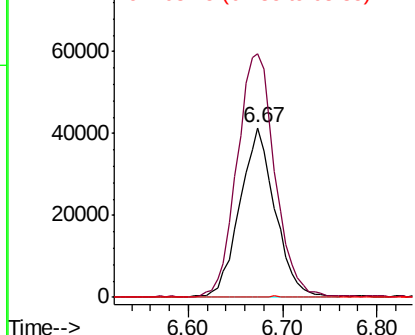
#22

cis-1,2-Dichloroethene
 Concen: 3.267 ug/L
 RT: 6.67 min Scan# 821
 Delta R.T. 0.01 min
 Lab File: VR026386.D
 Acq: 26 Feb 2019 14:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	143.8	100.8	187.2
68	0.0	0.1	0.1#



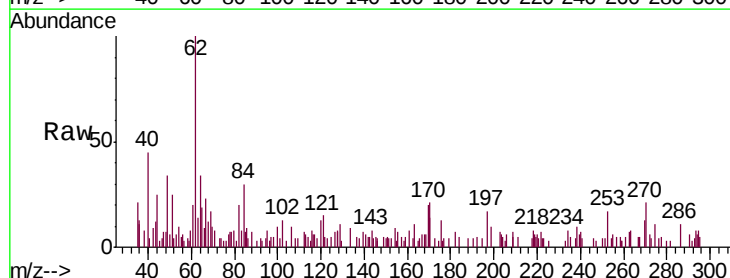
Abundance Ion 96.00 (95.70 to 96.70): VR0
 Ion 61.05 (60.75 to 61.75): VR0
 Ion 68.15 (67.85 to 68.85): VR0



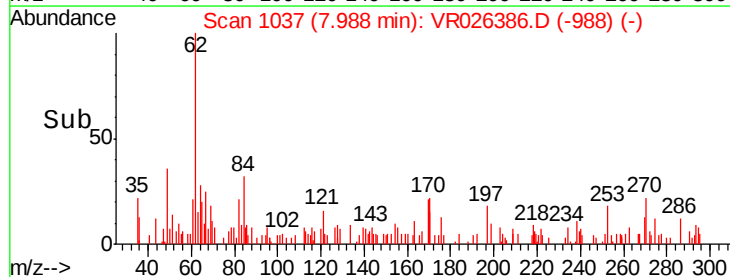
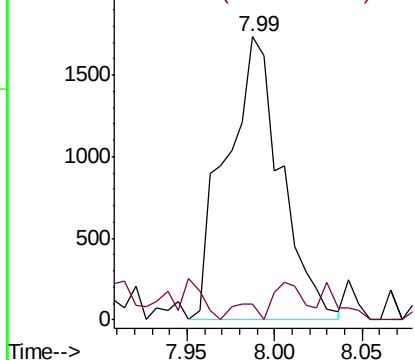
#27

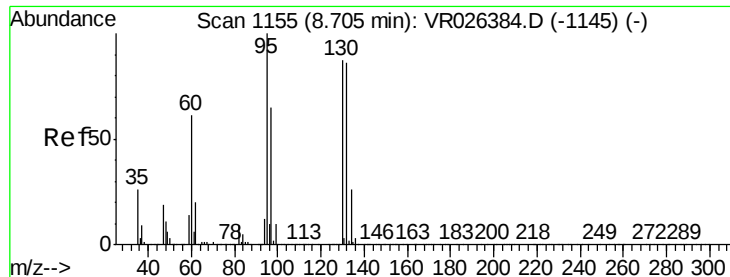
1,2-Dichloroethane
 Concen: 0.116 ug/L
 RT: 7.99 min Scan# 1037
 Delta R.T. -0.00 min
 Lab File: VR026386.D
 Acq: 26 Feb 2019 14:06

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.4	5.7	8.5#



Abundance Ion 62.00 (61.70 to 62.70): VR0
 Ion 98.05 (97.75 to 98.75): VR0





#34

Trichloroethene

Concen: 60.674 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.01 min

Lab File: VR026386.D

Acq: 26 Feb 2019 14:06

Tgt Ion: 95 Resp: 2338351

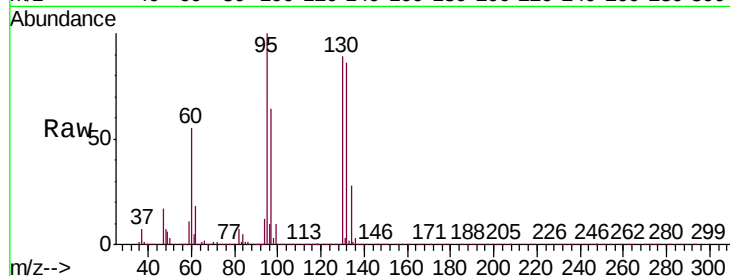
Ion Ratio Lower Upper

95 100

97 63.9 43.5 80.7

132 85.5 58.6 108.8

130 88.8 59.4 110.2

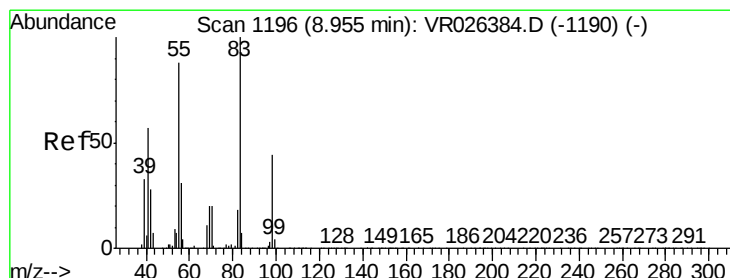
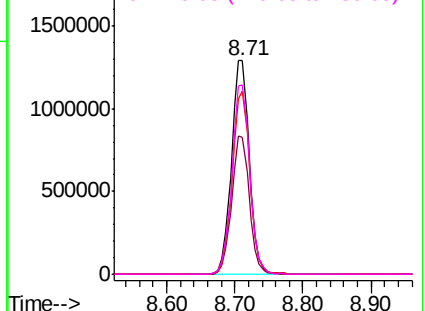
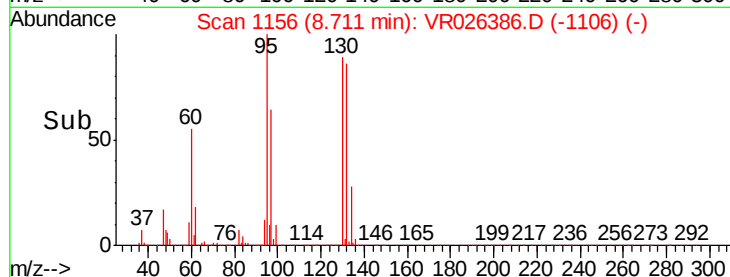


Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.737 ug/L

RT: 8.90 min Scan# 1187

Delta R.T. -0.05 min

Lab File: VR026386.D

Acq: 26 Feb 2019 14:06

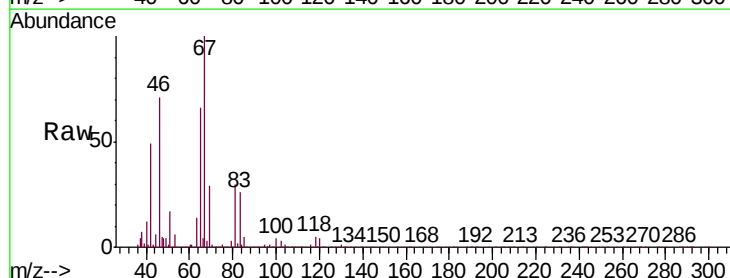
Tgt Ion: 83 Resp: 40277

Ion Ratio Lower Upper

83 100

55 2.3 72.2 108.2#

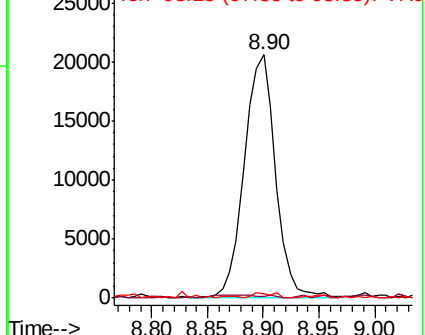
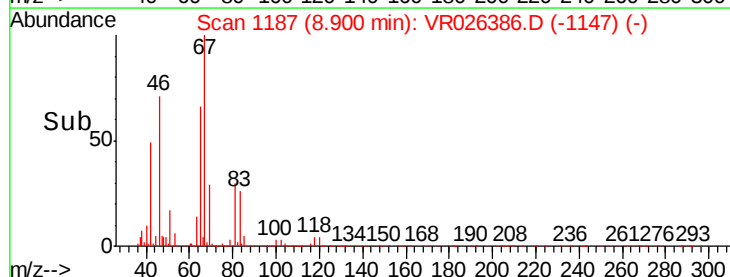
98 0.0 35.0 52.4#

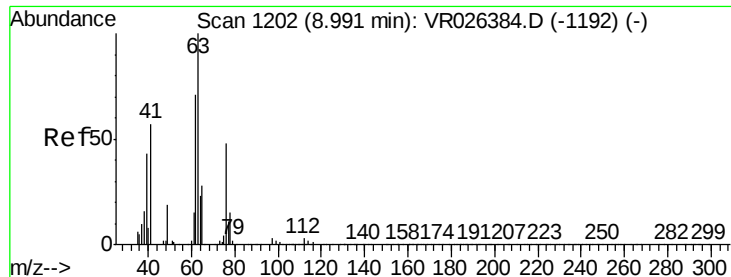


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 0.095 ug/L

RT: 8.99 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VR026386.D

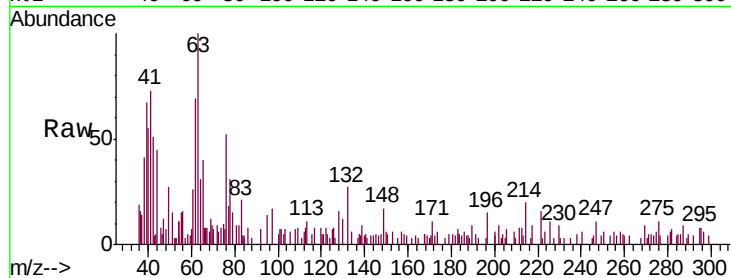
Acq: 26 Feb 2019 14:06

Tgt Ion: 63 Resp: 3092

Ion Ratio Lower Upper

63 100

112 3.8 3.6 5.4



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 112.10 (111.80 to 112.80): V

12000

10000

8000

6000

4000

2000

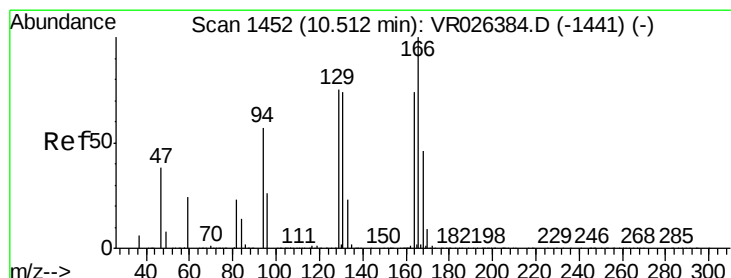
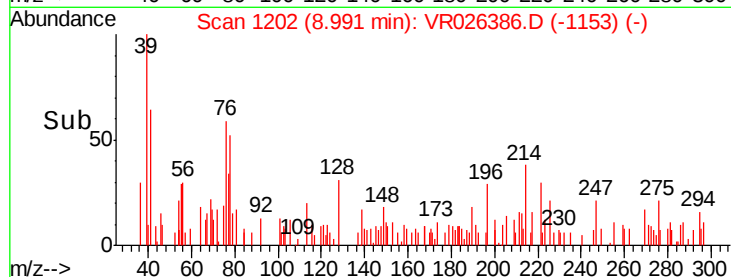
0

8.95

9.00

9.05

Time-->



#47

Tetrachloroethene

Concen: 0.815 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VR026386.D

Acq: 26 Feb 2019 14:06

Tgt Ion: 164 Resp: 22765

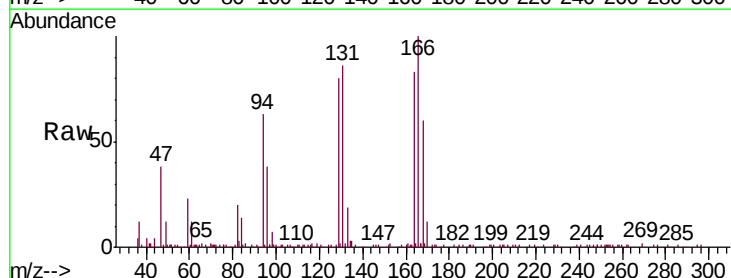
Ion Ratio Lower Upper

164 100

129 93.6 67.2 124.8

131 101.3 67.3 125.1

166 117.2 90.4 167.8



Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

25000

20000

15000

10000

5000

0

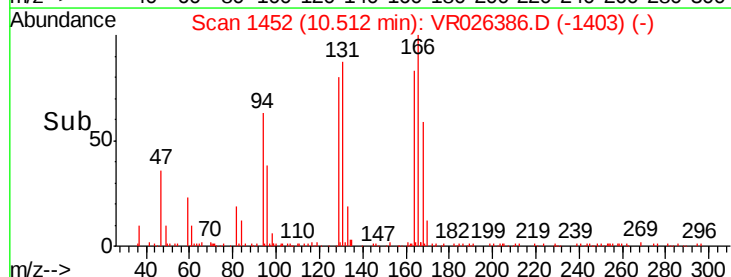
10.40

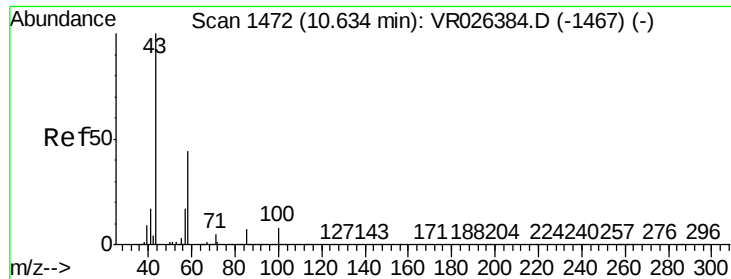
10.45

10.50

10.55

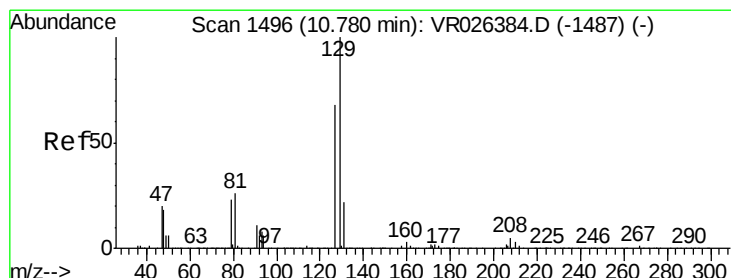
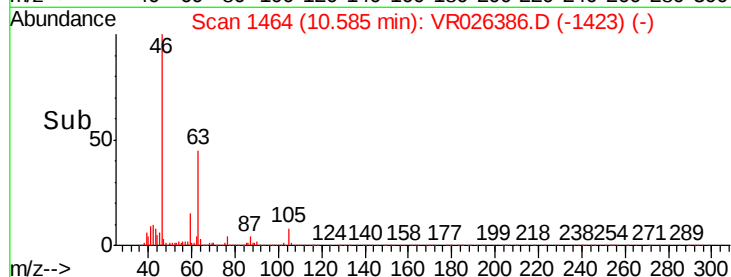
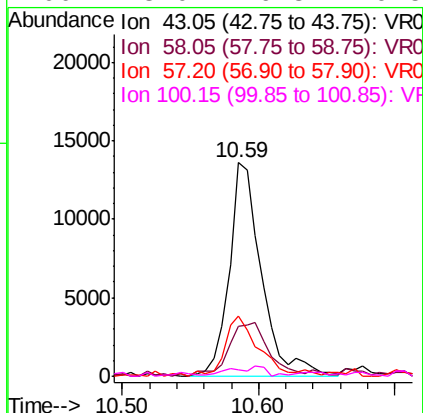
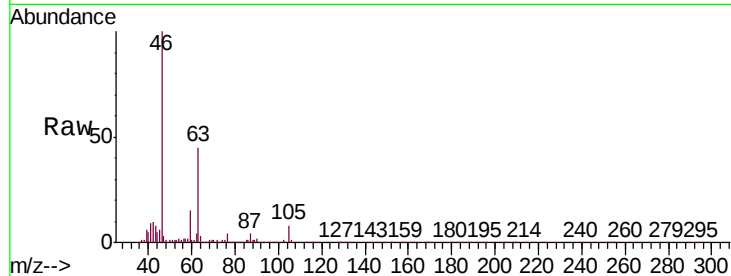
Time-->





#48
2-Hexanone
Concen: 3.669 ug/L
RT: 10.59 min Scan# 1464
Delta R.T. -0.05 min
Lab File: VR026386.D
Acq: 26 Feb 2019 14:06

Tgt Ion:	43	Resp:	22552
Ion	Ratio	Lower	Upper
43	100		
58	0.0	38.4	57.6#
57	28.4	13.2	19.8#
100	3.0	6.3	9.5#



#49
Dibromochloromethane
Concen: 1.141 ug/L
RT: 10.51 min Scan# 1452
Delta R.T. -0.27 min
Lab File: VR026386.D
Acq: 26 Feb 2019 14:06

Tgt Ion:	129	Resp:	19062
Ion	Ratio	Lower	Upper
129	100		
127	0.0	52.1	96.7#

