

Data File : VR026376.D
Acq On : 25 Feb 2019 15:43
Operator : SY/MD
Sample : K1589-01
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
C09M2

Quant Time: Feb 26 06:21:41 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR022219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Feb 26 06:18:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	562365	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	466952	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	151684	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.14	65	182260	3.31	ug/L	-0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	66.20%
7) Chloroethane-d5	2.62	69	167872	3.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	74.40%
11) 1,1-Dichloroethene-d2	3.60	63	387628	3.00	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.00%
20) 2-Butanone-d5	6.58	46	223598	55.69	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.38%
24) Chloroform-d	7.20	84	391681	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.40%
26) 1,2-Dichloroethane-d4	7.89	65	165549	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
32) Benzene-d6	7.85	84	693962	3.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.00%
36) 1,2-Dichloropropane-d6	8.89	67	200572	4.51	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.20%
41) Toluene-d8	9.97	98	604704	3.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	76.40%
43) trans-1,3-Dichloropropene-	10.23	79	44787	3.81	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.20%
46) 2-Hexanone-d5	10.59	63	180434	60.91	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	121.82%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	78871	4.68	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.60%
64) 1,2-Dichlorobenzene-d4	13.51	152	129574	4.94	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.80%

Target Compounds

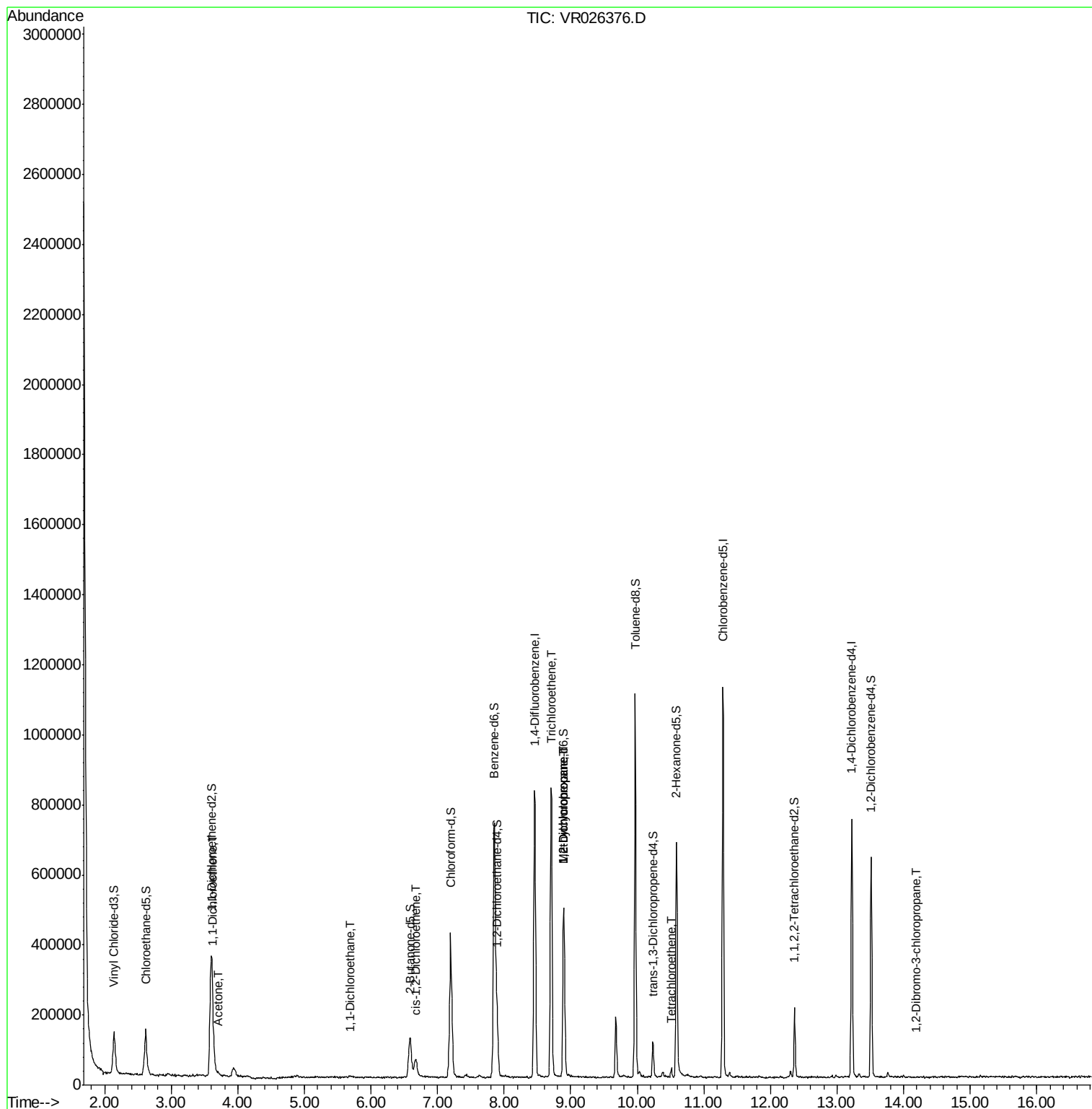
					Qvalue
12) 1,1-Dichloroethene	3.63	96	26736	0.544 ug/L #	1
13) Acetone	3.70	43	11245	3.113 ug/L	92
19) 1,1-Dichloroethane	5.68	63	5762	0.070 ug/L	91
22) cis-1,2-Dichloroethene	6.67	96	23127	0.615 ug/L #	82
34) Trichloroethene	8.71	95	275498	6.103 ug/L	99
35) Methylcyclohexane	8.89	83	45741	0.714 ug/L #	15
37) 1,2-Dichloropropane	8.89	63	26327	0.691 ug/L #	93
47) Tetrachloroethene	10.51	164	5620	0.172 ug/L	86
66) 1,2-Dibromo-3-chloropropan	14.18	75	491	0.346 ug/L #	61

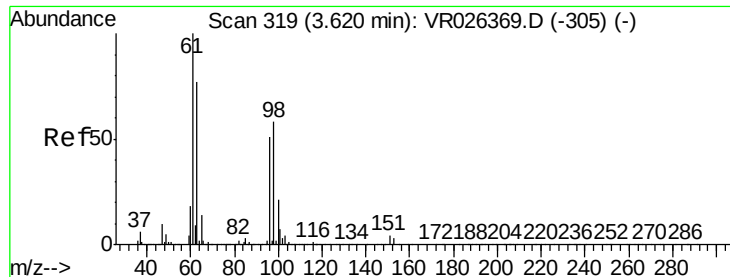
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.544 ug/L

RT: 3.63 min Scan# 320

Delta R.T. 0.01 min

Lab File: VR026376.D

Acq: 25 Feb 2019 15:43

Instrument :

MSVOA_R

ClientSampleId :

C09M2

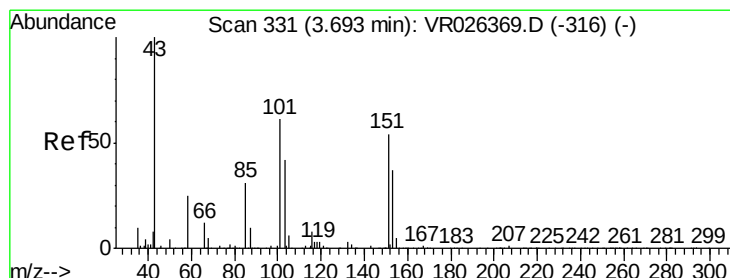
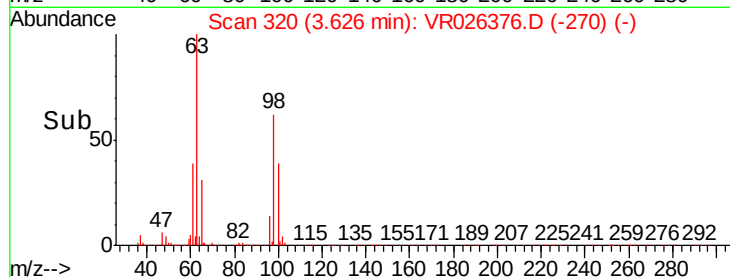
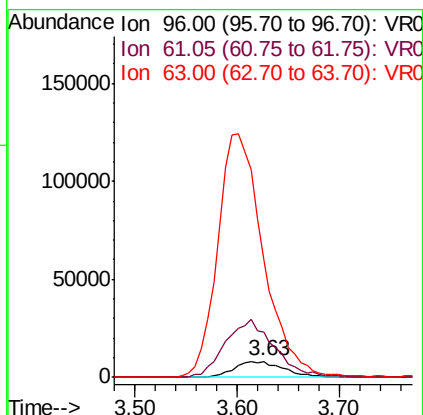
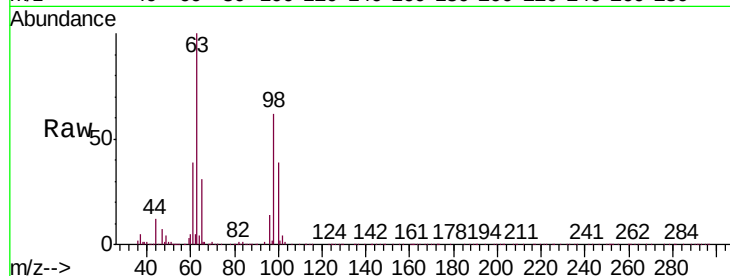
Tgt Ion: 96 Resp: 26736

Ion Ratio Lower Upper

96 100

61 282.8 135.9 252.5#

63 726.7 136.6 253.6#



#13

Acetone

Concen: 3.113 ug/L

RT: 3.70 min Scan# 332

Delta R.T. 0.01 min

Lab File: VR026376.D

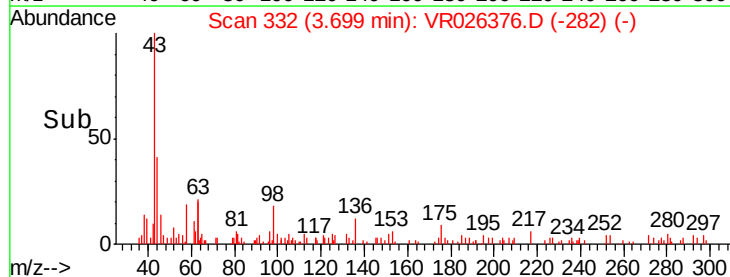
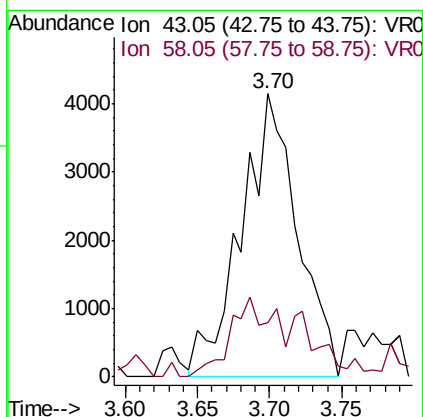
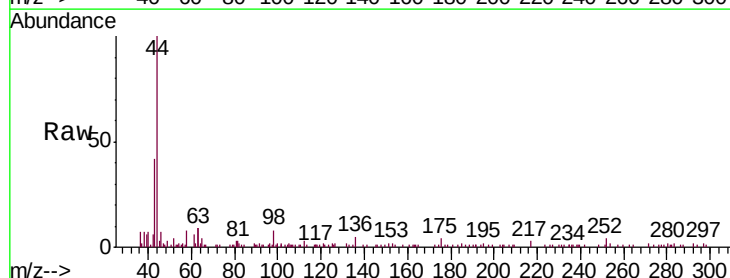
Acq: 25 Feb 2019 15:43

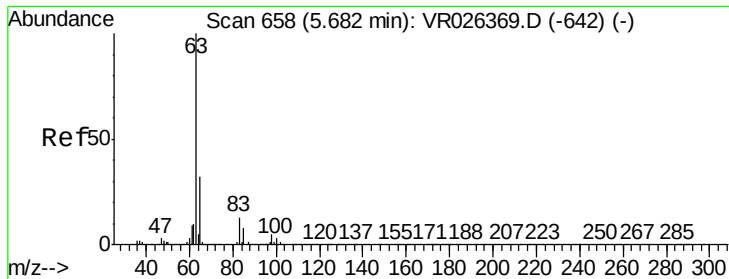
Tgt Ion: 43 Resp: 11245

Ion Ratio Lower Upper

43 100

58 21.8 0.0 52.2

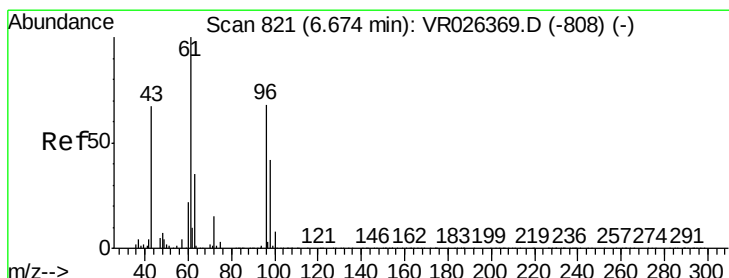
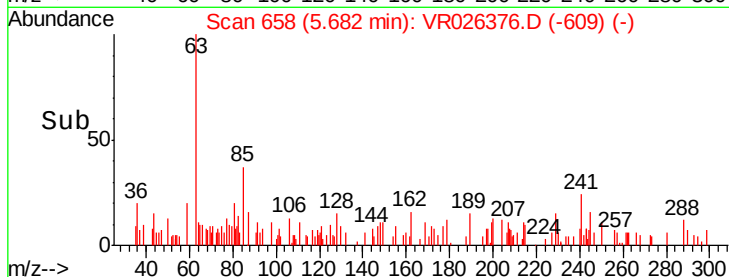
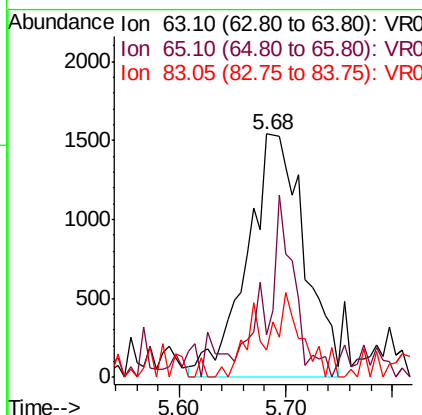
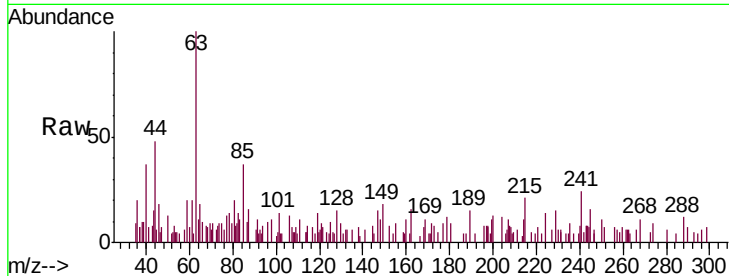




#19
 1,1-Dichloroethane
 Concen: 0.070 ug/L
 RT: 5.68 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VR026376.D
 Acq: 25 Feb 2019 15:43

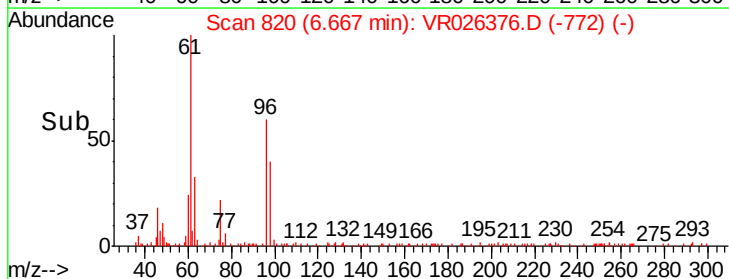
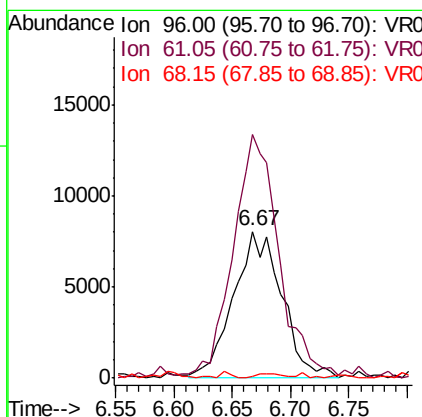
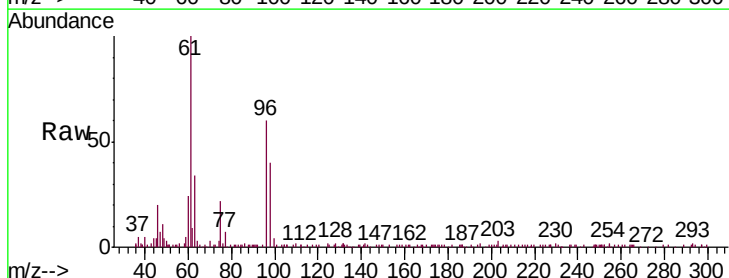
Instrument :
 MSVOA_R
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 C09M2

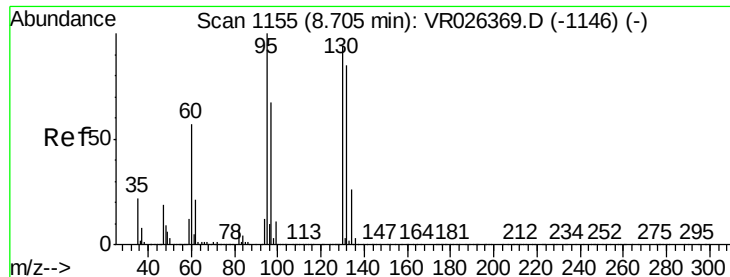
Tgt Ion:	63	Resp:	5762
Ion	Ratio	Lower	Upper
63	100		
65	27.6	23.6	43.8
83	11.3	8.8	16.4



#22
 cis-1,2-Dichloroethene
 Concen: 0.615 ug/L
 RT: 6.67 min Scan# 820
 Delta R.T. -0.01 min
 Lab File: VR026376.D
 Acq: 25 Feb 2019 15:43

Tgt Ion:	96	Resp:	23127
Ion	Ratio	Lower	Upper
96	100		
61	166.3	100.8	187.2
68	1.6	0.1	0.1#





#34

Trichloroethene

Concen: 6.103 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.01 min

Lab File: VR026376.D

Acq: 25 Feb 2019 15:43

Instrument :

MSVOA_R

ClientSampleId :

C09M2

Tgt Ion: 95 Resp: 275498

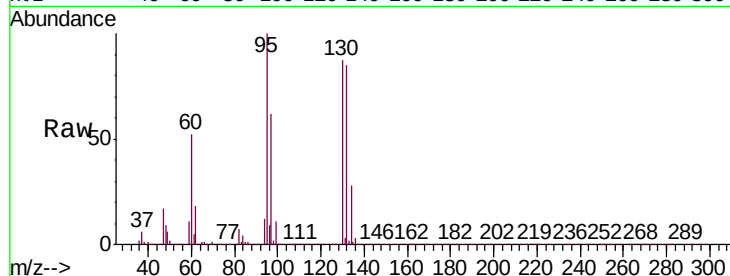
Ion Ratio Lower Upper

95 100

97 61.8 43.5 80.7

132 84.5 58.6 108.8

130 86.7 59.4 110.2

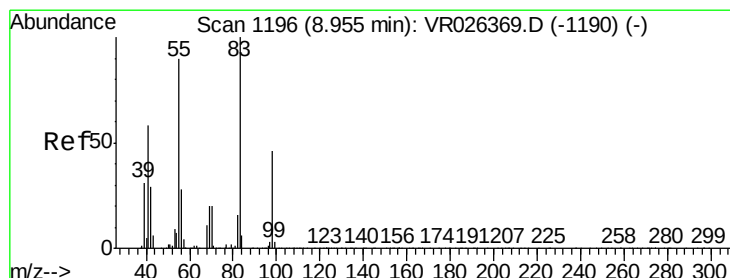
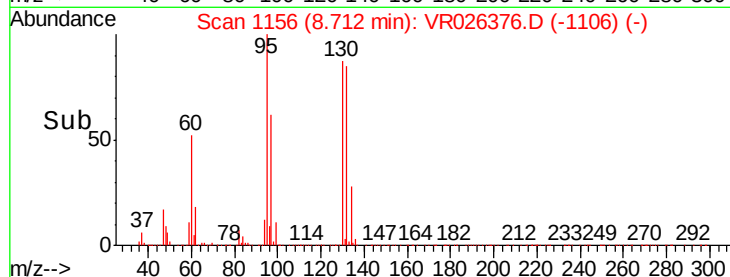
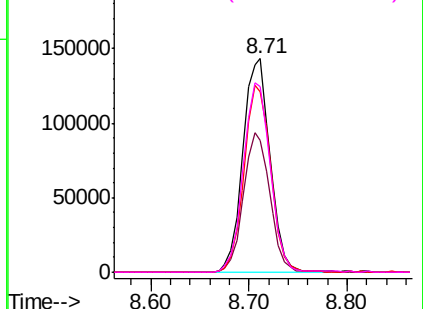


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 0.714 ug/L

RT: 8.89 min Scan# 1186

Delta R.T. -0.06 min

Lab File: VR026376.D

Acq: 25 Feb 2019 15:43

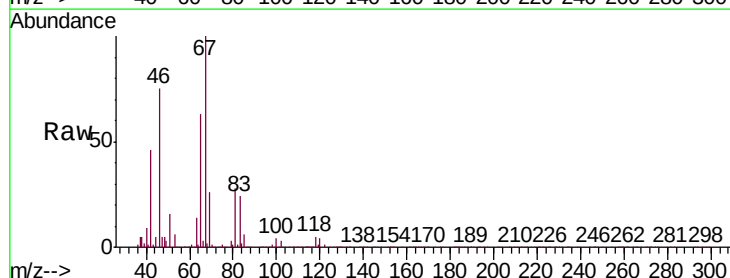
Tgt Ion: 83 Resp: 45741

Ion Ratio Lower Upper

83 100

55 1.6 72.2 108.2#

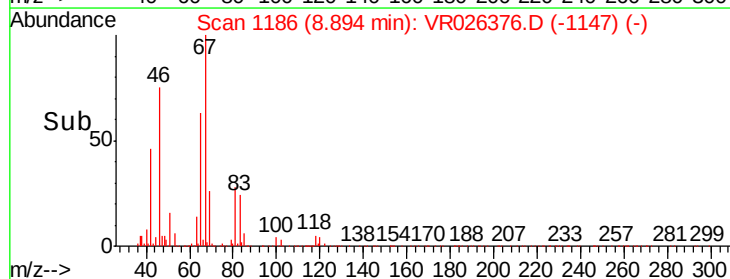
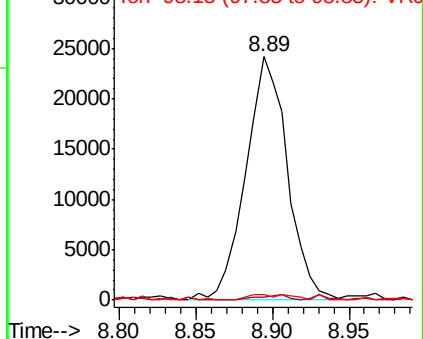
98 1.4 35.0 52.4#

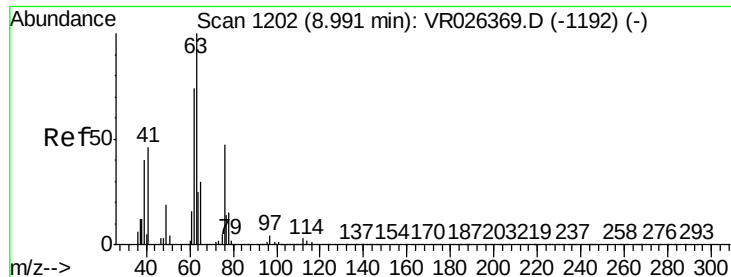


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

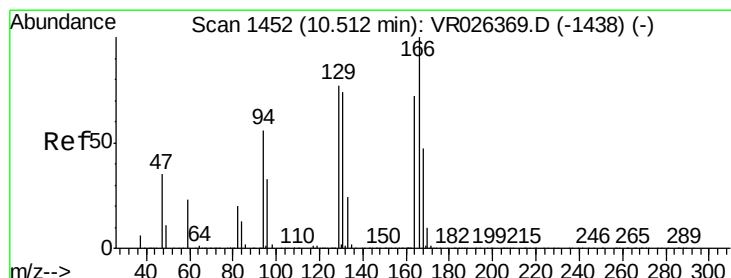
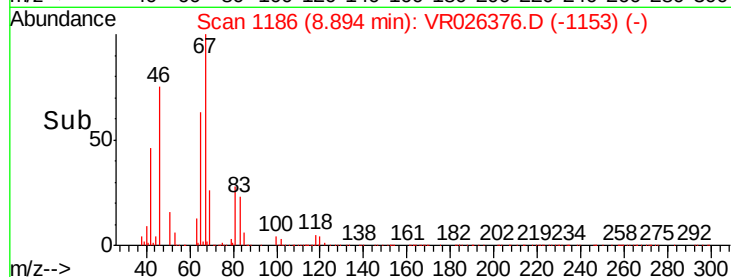
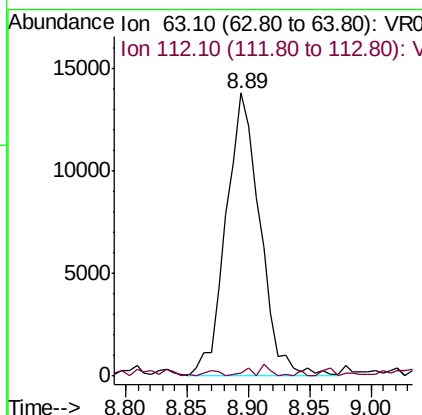
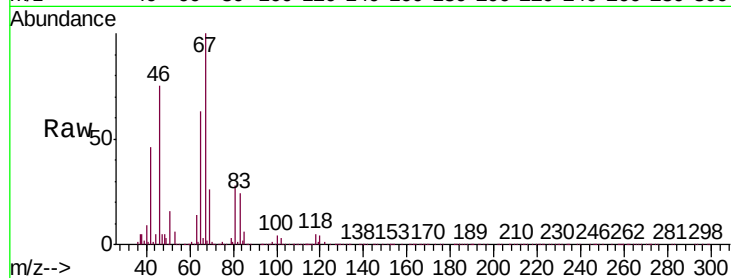




#37
 1,2-Dichloropropane
 Concen: 0.691 ug/L
 RT: 8.89 min Scan# 1186
 Delta R.T. -0.10 min
 Lab File: VR026376.D
 Acq: 25 Feb 2019 15:43

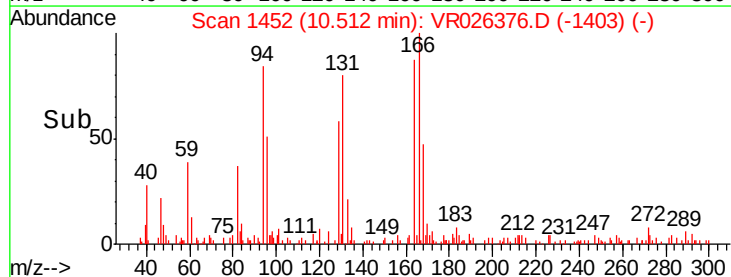
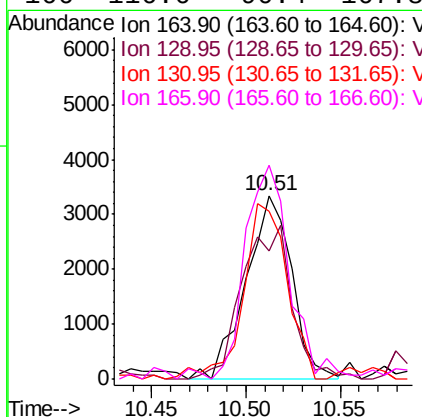
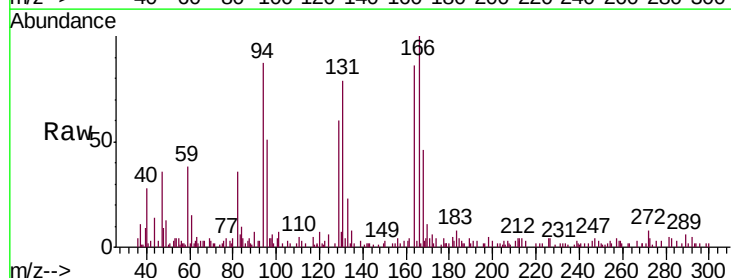
Instrument :
 MSVOA_R
 ClientSampleId :
 C09M2

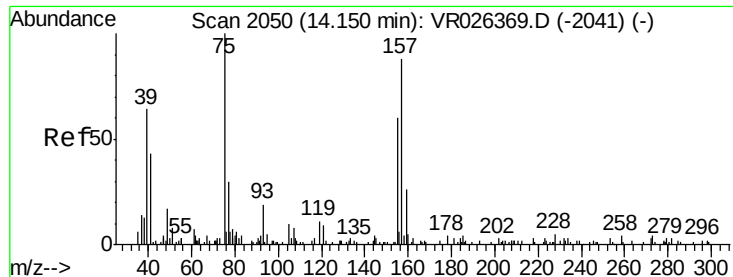
Tgt Ion: 63 Resp: 26327
 Ion Ratio Lower Upper
 63 100
 112 2.2 3.6 5.4#



#47
 Tetrachloroethene
 Concen: 0.172 ug/L
 RT: 10.51 min Scan# 1452
 Delta R.T. -0.00 min
 Lab File: VR026376.D
 Acq: 25 Feb 2019 15:43

Tgt Ion: 164 Resp: 5620
 Ion Ratio Lower Upper
 164 100
 129 70.3 67.2 124.8
 131 91.6 67.3 125.1
 166 116.6 90.4 167.8





#66

1,2-Dibromo-3-chloropropane

Concen: 0.346 ug/L

RT: 14.18 min Scan# 2055

Delta R.T. 0.03 min

Lab File: VR026376.D

Acq: 25 Feb 2019 15:43

Instrument :

MSVOA_R

ClientSampleId :

C09M2

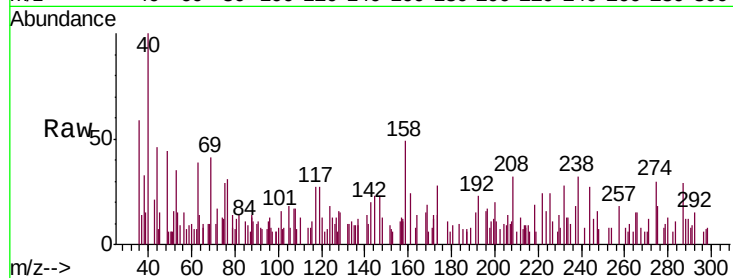
Tgt Ion: 75 Resp: 491

Ion Ratio Lower Upper

75 100

155 0.0 53.8 80.8#

157 86.6 67.4 101.0



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

