

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR091318\
 Data File : VR025723.D
 Acq On : 13 Sep 2018 20:25
 Operator : SY/MD
 Sample : J4887-06
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 C0KQ8

Quant Time: Sep 14 06:58:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR090718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Sep 14 06:42:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	666948	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	559120	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	174468	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	184922	6.38	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	127.60%
7) Chloroethane-d5	2.63	69	146705	6.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	123.60%
11) 1,1-Dichloroethene-d2	3.64	63	720489	9.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	181.80%#
20) 2-Butanone-d5	6.60	46	144831	49.48	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.96%
24) Chloroform-d	7.20	84	352008	5.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.20%
26) 1,2-Dichloroethane-d4	7.90	65	126865	5.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.80%
32) Benzene-d6	7.86	84	877152	5.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	116.20%
36) 1,2-Dichloropropane-d6	8.90	67	238569	5.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	117.20%
41) Toluene-d8	9.97	98	793219	5.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.80%
43) trans-1,3-Dichloropropene-	10.24	79	43840	4.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.20%
46) 2-Hexanone-d5	10.59	63	161758	53.82	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.64%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	89936	5.05	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	101.00%
64) 1,2-Dichlorobenzene-d4	13.52	152	169521	6.86	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	137.20%#

Target Compounds

						Ovalue
12) 1,1-Dichloroethene	3.66	96	718221	16.51	ug/L	# 67
13) Acetone	3.71	43	5152	2.61	ug/L	78
16) Methylene chloride	4.42	84	10332	0.27	ug/L	93
19) 1,1-Dichloroethane	5.71	63	34143	0.42	ug/L	87
22) cis-1,2-Dichloroethene	6.68	96	440996	9.53	ug/L	# 100
25) Chloroform	7.24	83	8930	0.12	ug/L	85
29) 1,1,1-Trichloroethane	7.43	97	415061	7.45	ug/L	99
31) Carbon tetrachloride	7.43	117	62766	1.16	ug/L	94
34) Trichloroethene	8.71	95	11382727	235.77	ug/L	84
35) Methylcyclohexane	8.90	83	50880	0.68	ug/L	# 20
37) 1,2-Dichloropropane	8.90	63	23256	0.52	ug/L	# 91
45) 1,1,2-Trichloroethane	10.45	97	4613	0.22	ug/L	88
48) 2-Hexanone	10.59	43	20088	2.58	ug/L	# 73
66) 1,2-Dibromo-3-chloropropan	14.15	75	572	0.41	ug/L	# 12
69) Naphthalene	15.01	128	6773	0.30	ug/L	# 77

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Misc : 25mL/MSVOA R/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Time: Sep 14 06:58:38 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR090718WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 14 06:42:34 2018
Response via : Initial Calibration

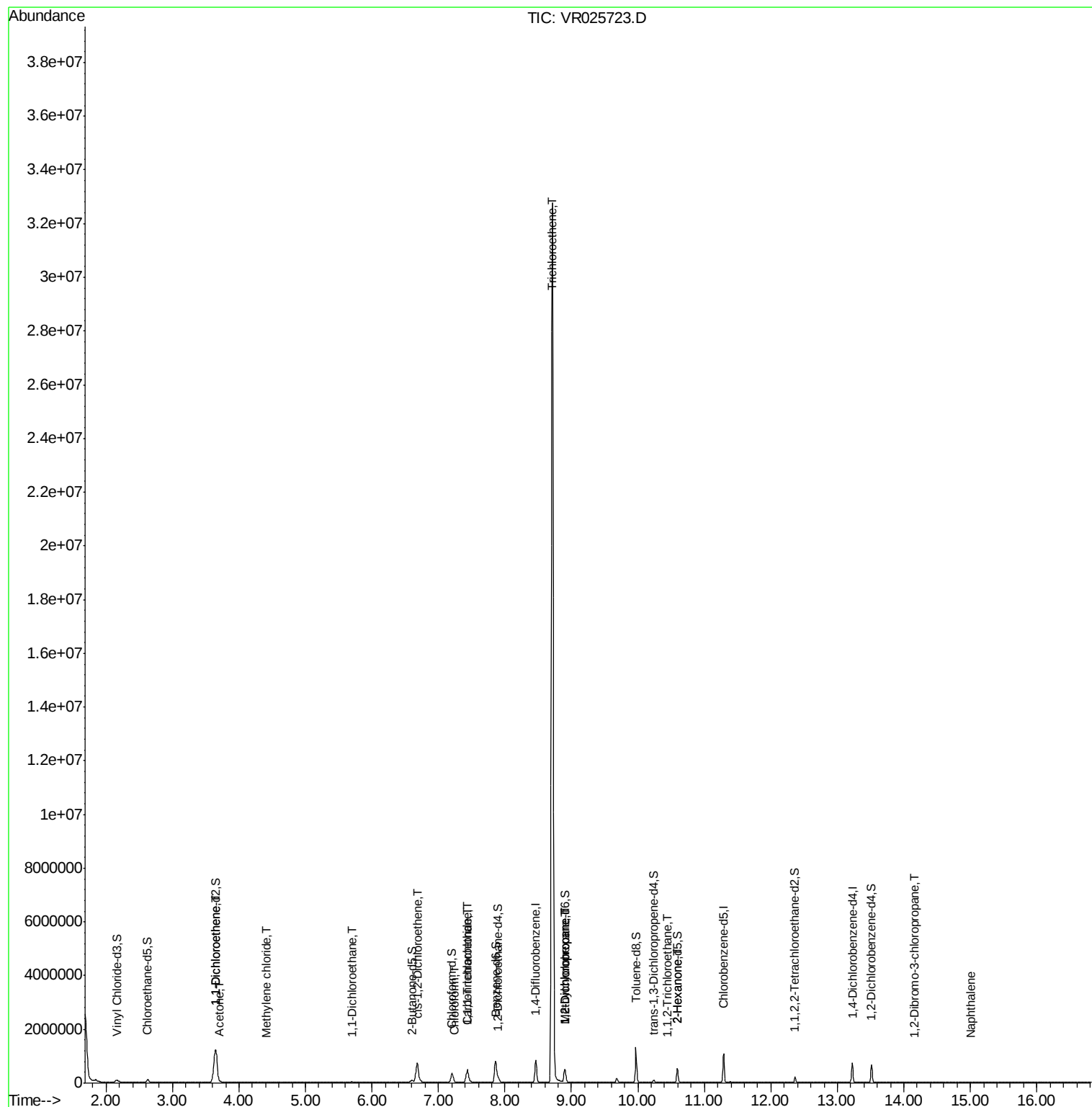
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

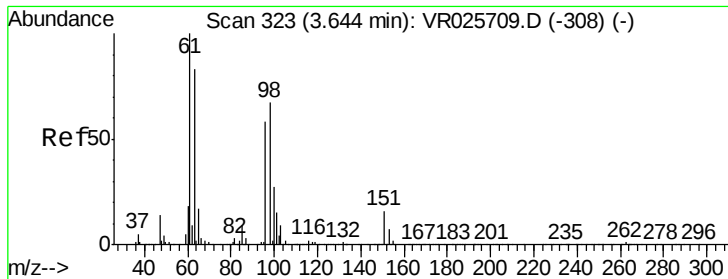
(#)= qualifier out of range (m)= manual integration (+)= signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA R\DATA\VR091318\
Data File : VR025723.D
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Instrument :
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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Sep 14 06:42:34 2018
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 16.51 ug/L

RT: 3.66 min Scan# 325

Delta R.T. 0.01 min

Lab File: VR025723.D

Acq: 13 Sep 2018 20:25

Instrument :

MSVOA_R

ClientSampled :

C0KQ8

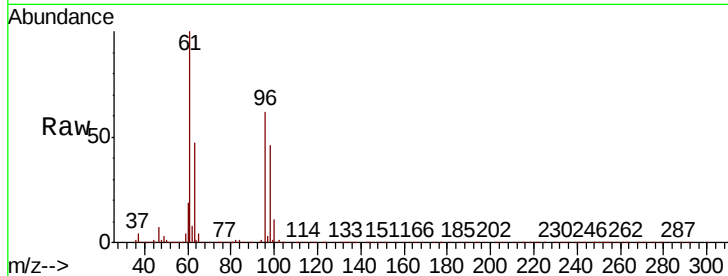
Tot Ion: 96 Resp: 718221

Ion Ratio Lower Upper

96 100

61 161.5 128.4 238.4

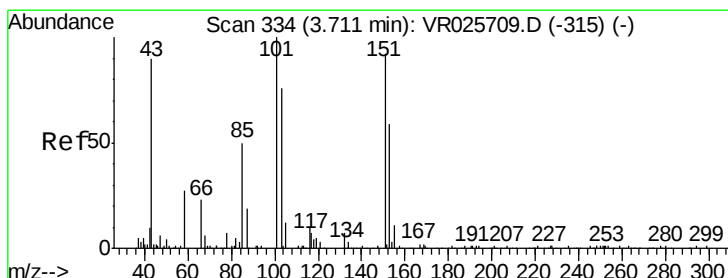
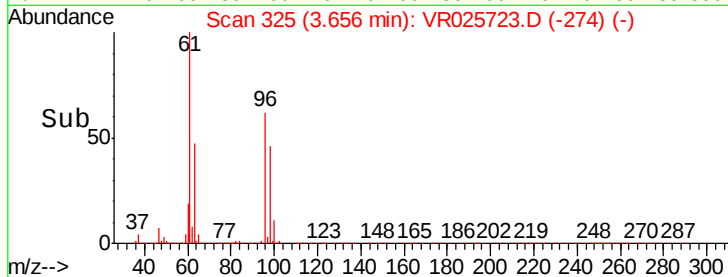
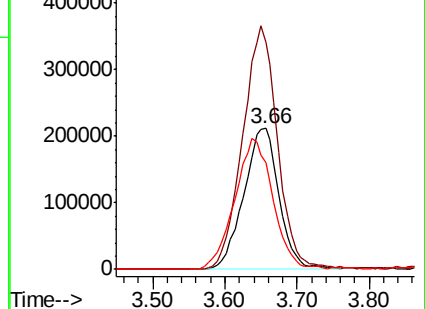
63 75.5 101.1 187.7#



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: 2.61 ug/L

RT: 3.71 min Scan# 334

Delta R.T. -0.00 min

Lab File: VR025723.D

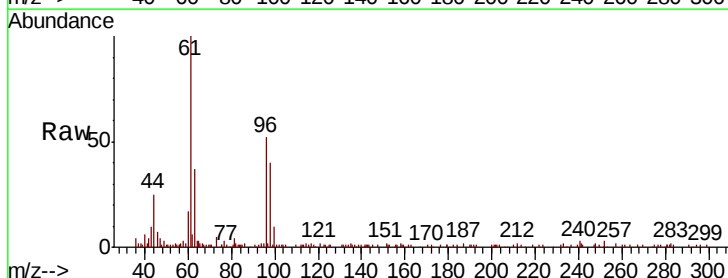
Acq: 13 Sep 2018 20:25

Tgt Ion: 43 Resp: 5152

Ion Ratio Lower Upper

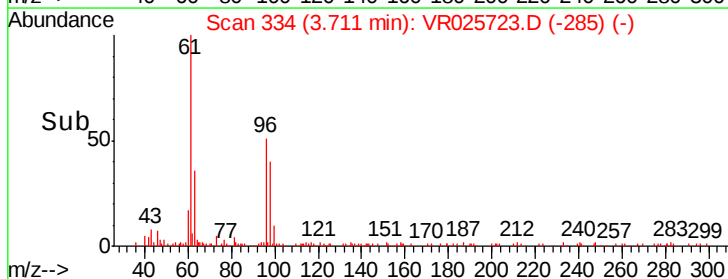
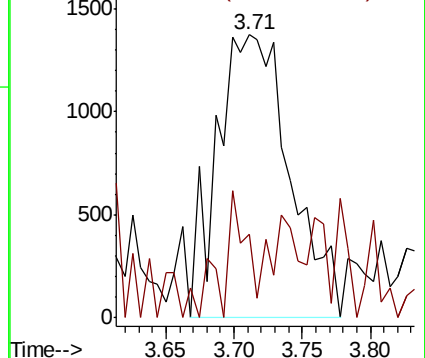
43 100

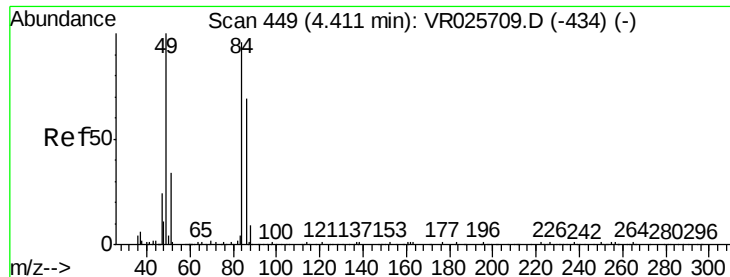
58 15.2 0.0 53.6



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

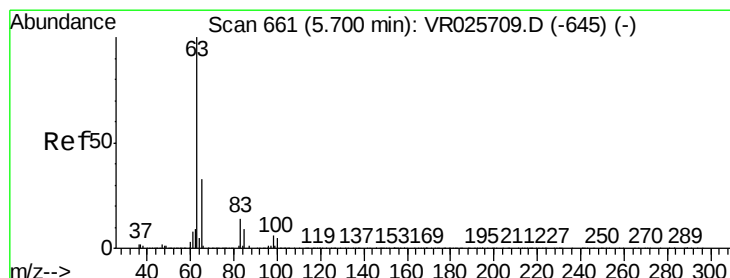
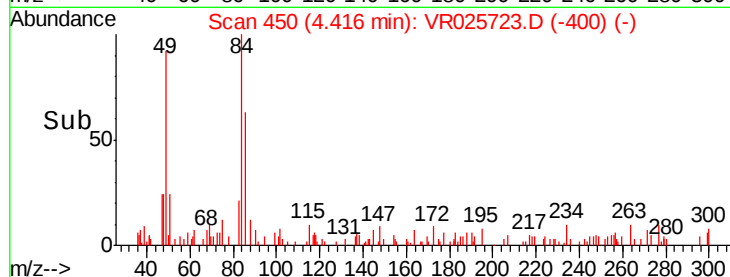
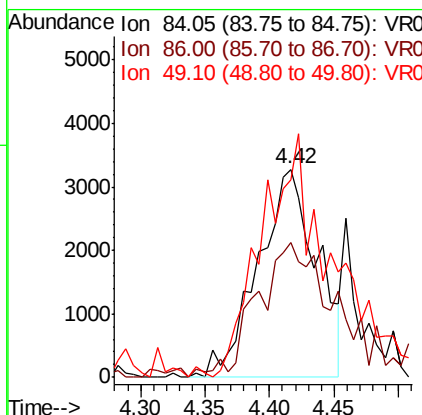
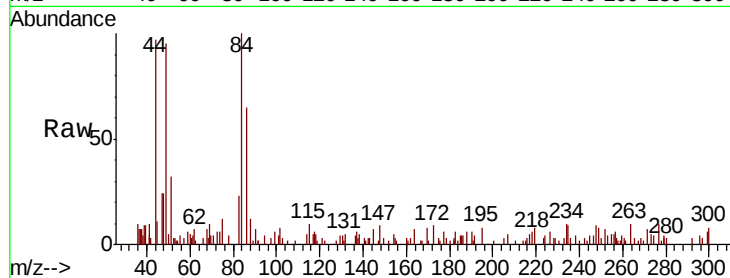




#16
Methvlene chloride
Concen: 0.27 ug/L
RT: 4.42 min Scan# 450
Delta R.T. 0.01 min
Lab File: VR025723.D
Acq: 13 Sep 2018 20:25

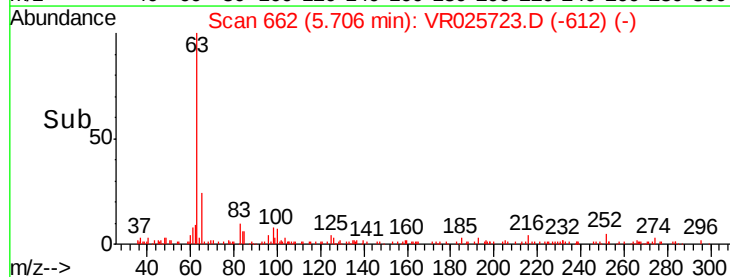
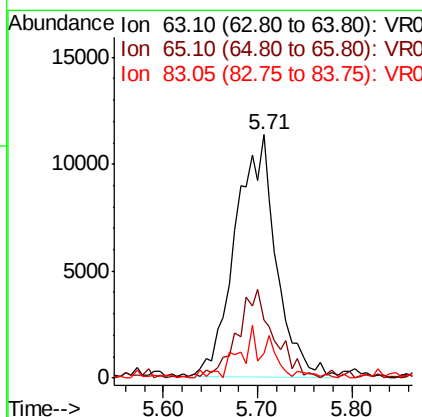
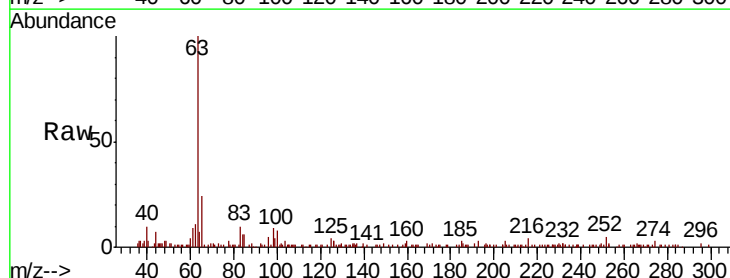
Instrument :
MSVOA_R
ClientSampleId :
C0KQ8

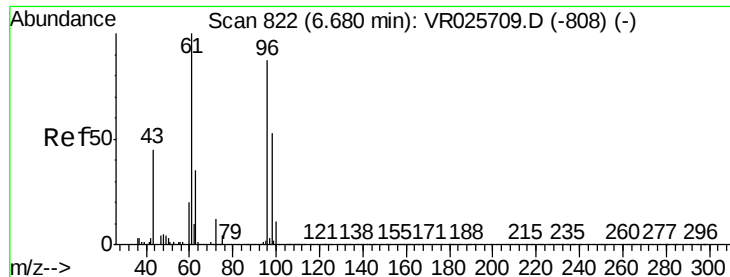
Tot Ion: 84 Resp: 10332
Ion Ratio Lower Upper
84 100
86 65.1 46.5 86.3
49 99.3 77.4 143.8



#19
1,1-Dichloroethane
Concen: 0.42 ug/L
RT: 5.71 min Scan# 662
Delta R.T. 0.01 min
Lab File: VR025723.D
Acq: 13 Sep 2018 20:25

Tgt Ion: 63 Resp: 34143
Ion Ratio Lower Upper
63 100
65 22.3 21.9 40.7
83 9.6 7.6 14.2





#22

cis-1,2-Dichloroethene

Concen: 9.53 ug/L

RT: 6.68 min Scan# 822

Delta R.T. -0.00 min

Lab File: VR025723.D

Acq: 13 Sep 2018 20:25

Instrument :

MSVOA_R

ClientSampleId :

C0KQ8

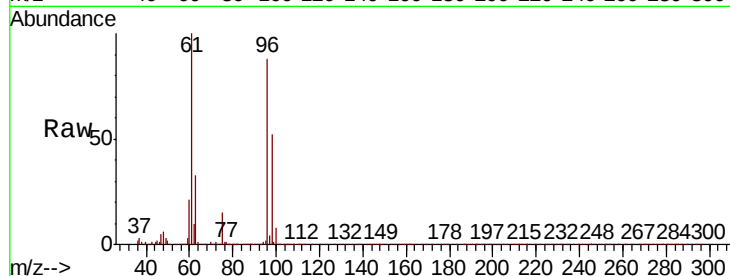
Tot Ion: 96 Resp: 440996

Ion Ratio Lower Upper

96 100

61 114.1 79.9 148.5

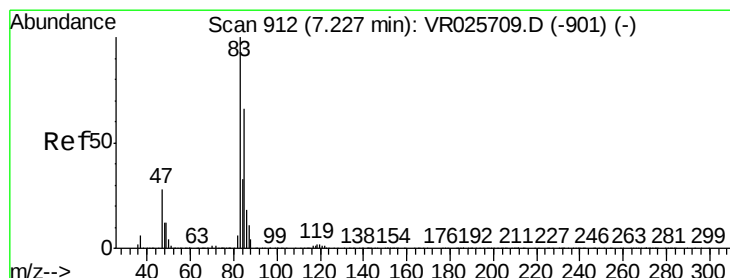
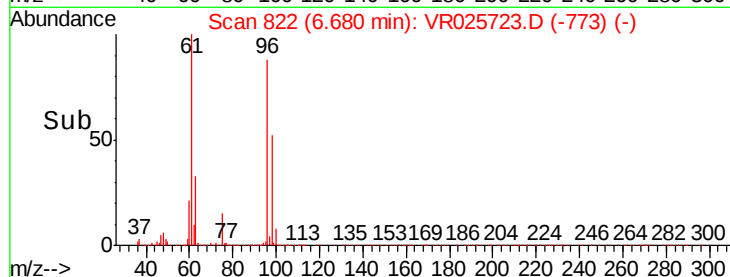
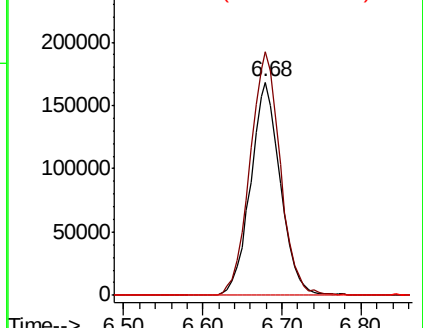
68 0.1 0.2 0.4#



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



#25

Chloroform

Concen: 0.12 ug/L

RT: 7.24 min Scan# 914

Delta R.T. 0.01 min

Lab File: VR025723.D

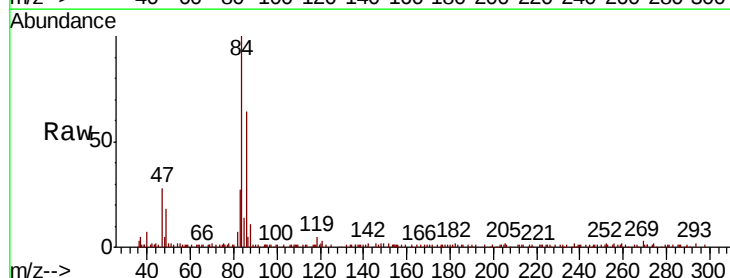
Acq: 13 Sep 2018 20:25

Tgt Ion: 83 Resp: 8930

Ion Ratio Lower Upper

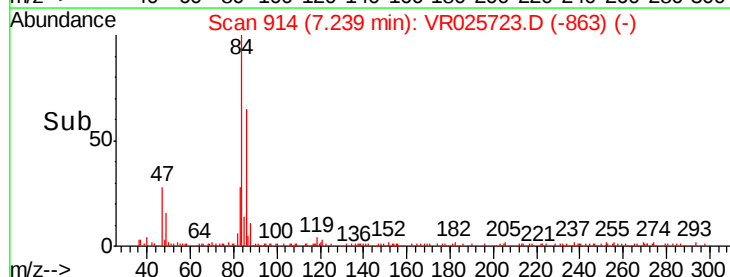
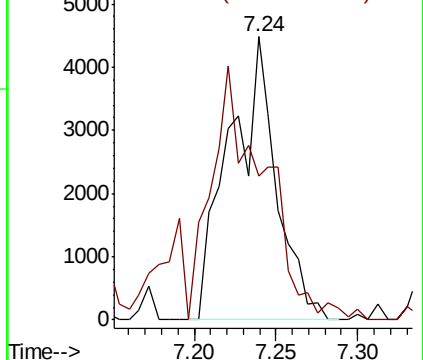
83 100

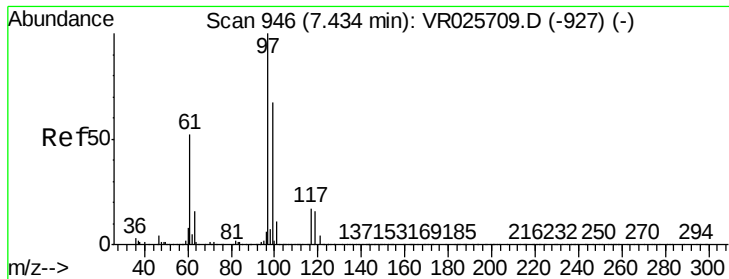
85 51.0 43.8 81.4



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0

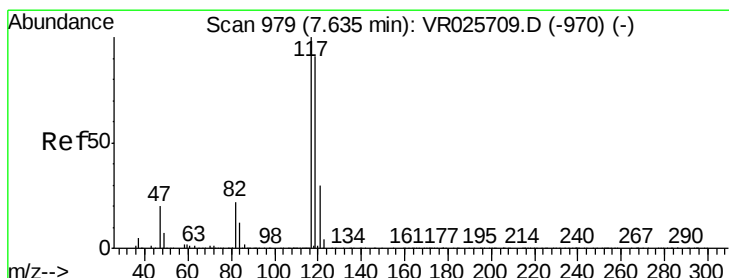
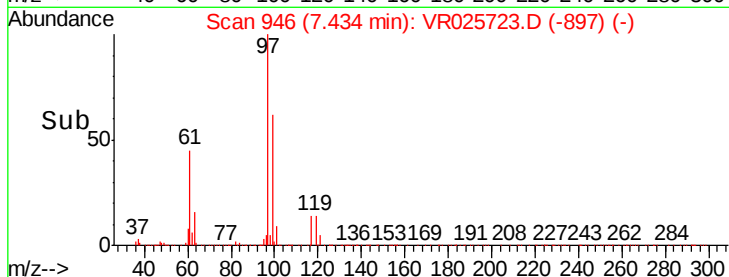
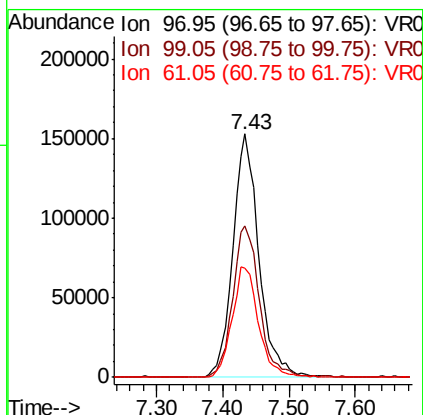
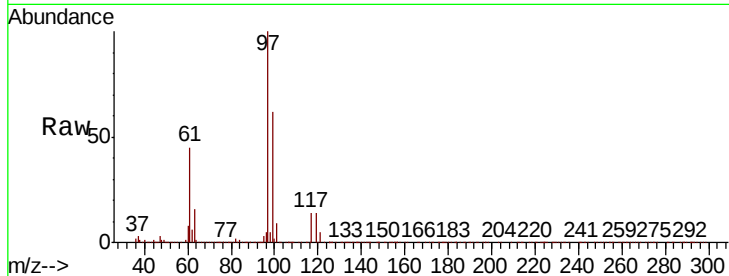




#29
 1,1,1-Trichloroethane
 Concen: 7.45 ug/L
 RT: 7.43 min Scan# 946
 Delta R.T. -0.00 min
 Lab File: VR025723.D
 Acq: 13 Sep 2018 20:25

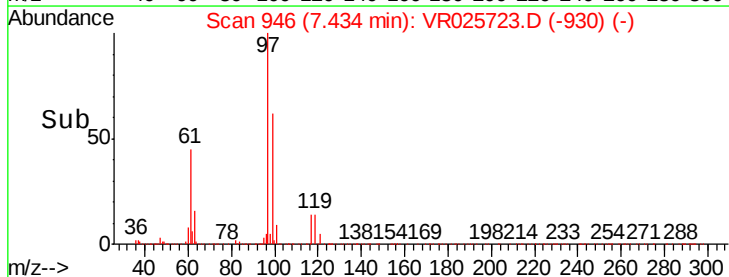
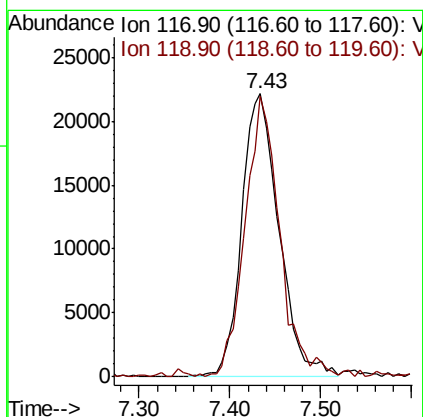
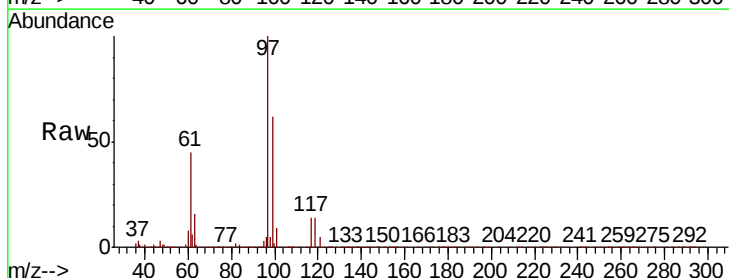
Instrument :
 MSVOA_R
 ClientSampleId :
 C0KQ8

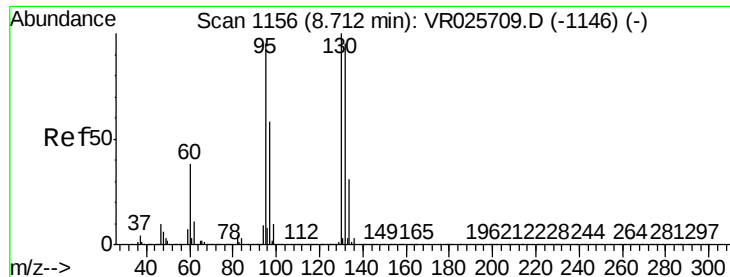
Tot Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.3	76.9
61	46.1	36.2	54.4



#31
 Carbon tetrachloride
 Concen: 1.16 ug/L
 RT: 7.43 min Scan# 946
 Delta R.T. -0.20 min
 Lab File: VR025723.D
 Acq: 13 Sep 2018 20:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.3	78.9	118.3





#34

Trichloroethene

Concen: 235.77 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VR025723.D

Acq: 13 Sep 2018 20:25

Instrument :

MSVOA_R

ClientSampleId :

C0KQ8

Tot Ion: 95 Resp: 11382727

Ion	Ratio	Lower	Upper
95	100		
97	74.1	45.5	84.5
132	85.2	71.0	131.9
130	87.9	74.5	138.3

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

8.71

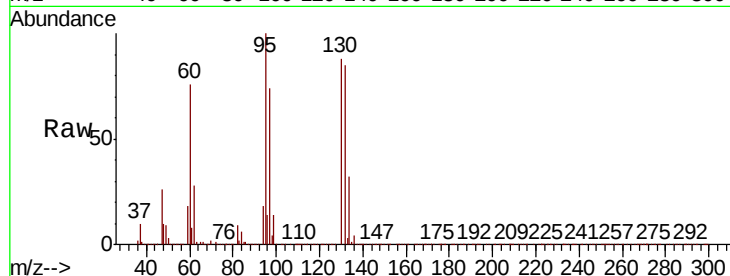
4000000

2000000

0

8.60 8.70 8.80 8.90

Time-->



Abundance

Scan 1156 (8.711 min): VR025723.D (-1107) (-)

Sub 50

m/z-->

37 60 76 95 112 130 146 163 181 197 221 237 254 271 288

0

50

100

150

200

250

300

350

400

450

500

550

600

650

670

690

710

730

750

770

800

850

900

950

1000

1050

1100

1150

1200

1250

1300

1350

1400

1450

1500

1550

1600

1650

1700

1750

1800

1850

1900

1950

2000

2050

2100

2150

2200

2250

2300

2350

2400

2450

2500

2550

2600

2650

2700

2750

2800

2850

2900

2950

3000

3050

3100

3150

3200

3250

3300

3350

3400

3450

3500

3550

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3700

3750

3800

3850

3900

3950

4000

4050

4100

4150

4200

4250

4300

4350

4400

4450

4500

4550

4600

4650

4700

4750

4800

4850

4900

4950

5000

5050

5100

5150

5200

5250

5300

5350

5400

5450

5500

5550

5600

5650

5700

5750

5800

5850

5900

5950

6000

6050

6100

6150

6200

6250

6300

6350

6400

6450

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6550

6600

6650

6700

6750

6800

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6900

6950

7000

7050

7100

7150

7200

7250

7300

7350

7400

7450

7500

7550

7600

7650

7700

7750

7800

7850

7900

7950

8000

8050

8100

8150

8200

8250

8300

8350

8400

8450

8500

8550

8600

8650

8700

8750

8800

8850

8900

8950

9000

9050

9100

9150

9200

9250

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10100

10150

10200

10250

10300

10350

10400

10450

10500

10550

10600

10650

10700

10750

10800

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10900

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11000

11050

11100

11150

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11400

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12000

12050

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12150

12200

12250

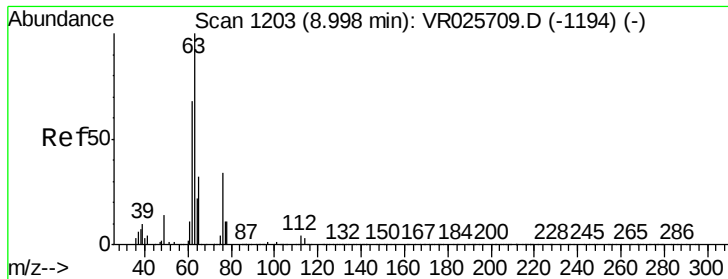
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12350

12400

12450

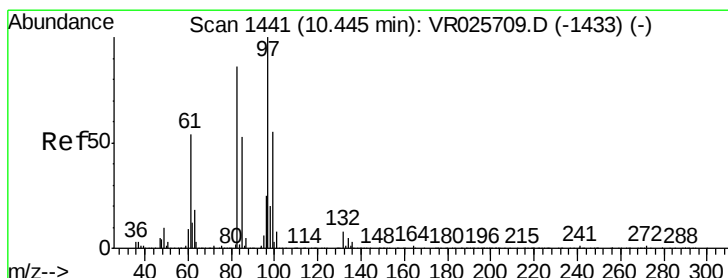
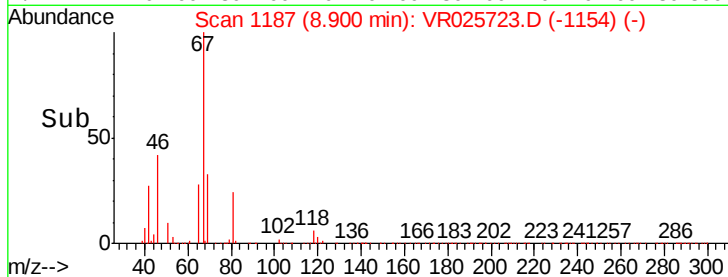
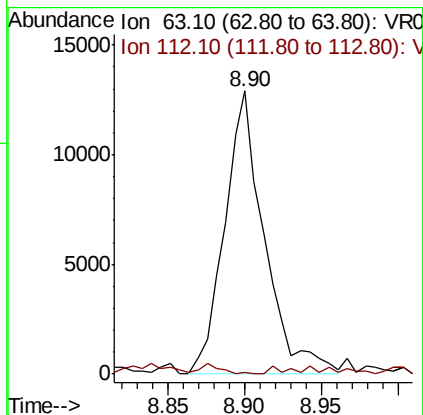
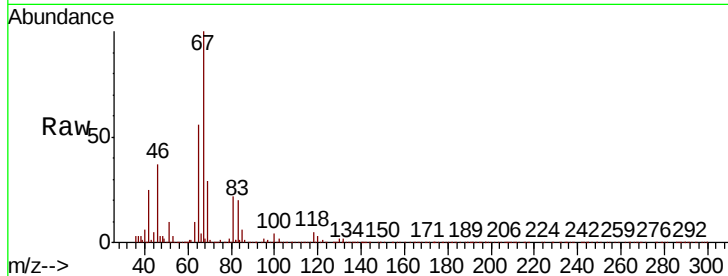
12500



#37
 1,2-Dichloropropane
 Concen: 0.52 ug/L
 RT: 8.90 min Scan# 1187
 Delta R.T. -0.10 min
 Lab File: VR025723.D
 Acq: 13 Sep 2018 20:25

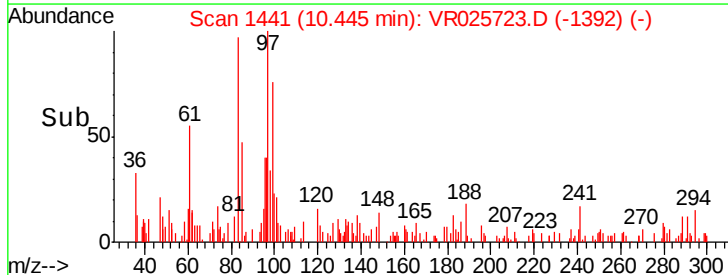
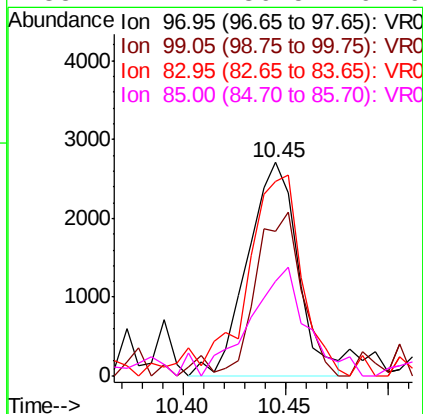
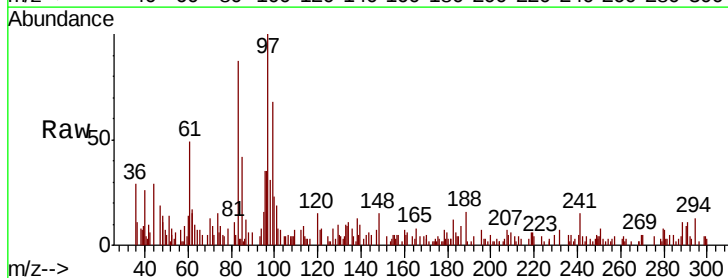
Instrument :
 MSVOA_R
 ClientSampleId :
 C0KQ8

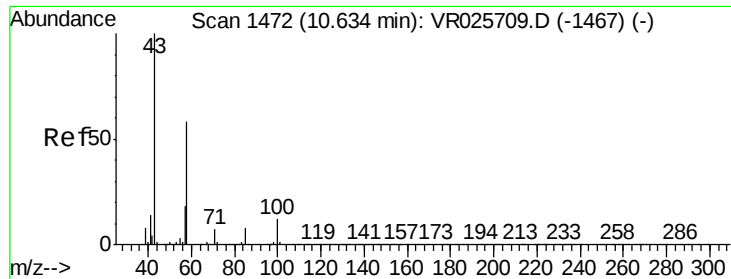
Tot Ion: 63 Resp: 23256
 Ion Ratio Lower Upper
 63 100
 112 0.7 2.9 4.3#



#45
 1,1,2-Trichloroethane
 Concen: 0.22 ug/L
 RT: 10.45 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VR025723.D
 Acq: 13 Sep 2018 20:25

Tgt Ion: 97 Resp: 4613
 Ion Ratio Lower Upper
 97 100
 99 68.0 41.3 76.7
 83 90.8 55.4 102.8
 85 44.4 36.5 67.9





#48

2-Hexanone

Concen: 2.58 ug/L

RT: 10.59 min Scan# 1465

Delta R.T. -0.04 min

Lab File: VR025723.D

Acq: 13 Sep 2018 20:25

Instrument :

MSVOA_R

ClientSampleId :

C0KQ8

Tot Ion: 43 Resp: 20088

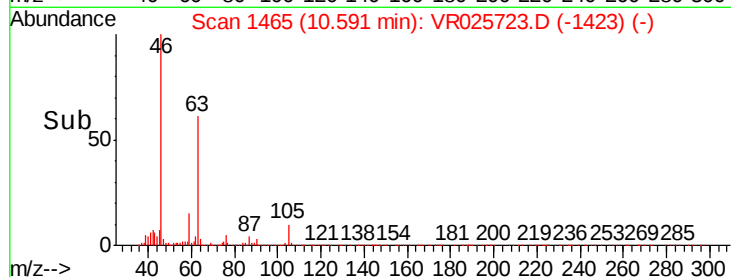
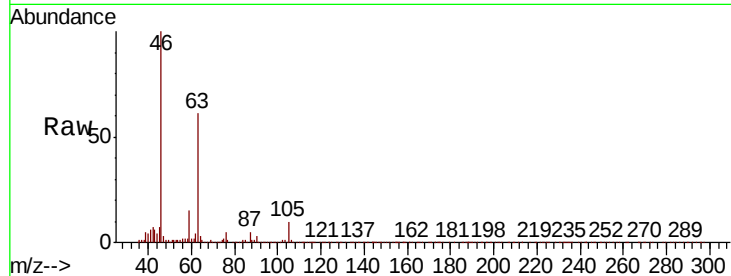
Ion Ratio Lower Upper

43 100

58 35.5 45.8 68.8#

57 33.2 14.2 21.2#

100 10.0 8.6 13.0

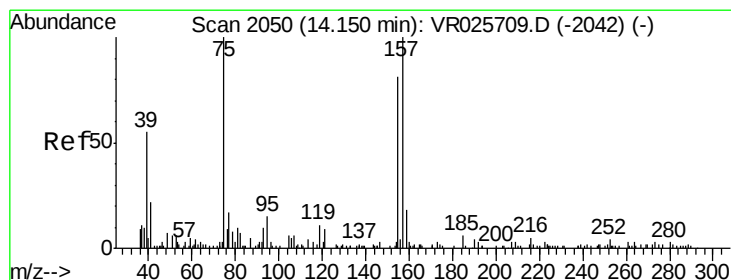
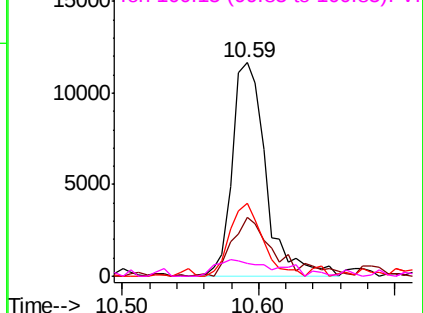


Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 57.20 (56.90 to 57.90): VR0

Ion 100.15 (99.85 to 100.85): VR0



#66

1,2-Dibromo-3-chloropropane

Concen: 0.41 ug/L

RT: 14.15 min Scan# 2050

Delta R.T. -0.00 min

Lab File: VR025723.D

Acq: 13 Sep 2018 20:25

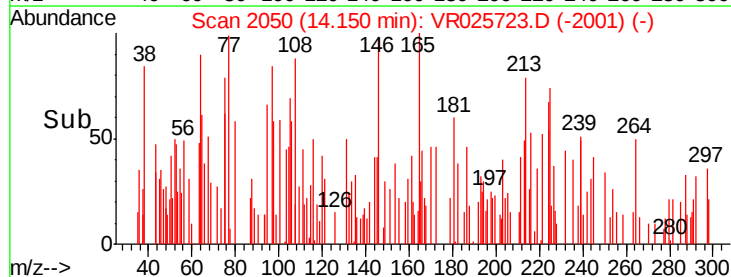
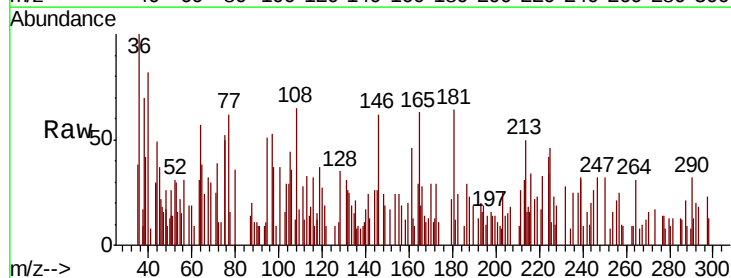
Tgt Ion: 75 Resp: 572

Ion Ratio Lower Upper

75 100

155 23.8 79.3 118.9#

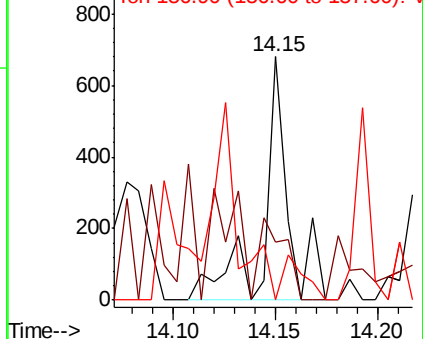
157 0.0 81.4 122.2#

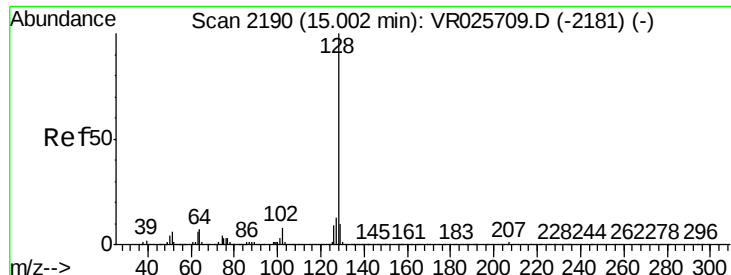


Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 154.95 (154.65 to 155.65): VR0

Ion 156.90 (156.60 to 157.60): VR0





#69

Naphthalene

Concen: 0.30 ug/L

RT: 15.01 min Scan# 2191

Delta R.T. 0.01 min

Lab File: VR025723.D

Acq: 13 Sep 2018 20:25

Instrument :

MSVOA_R

ClientSampleId :

C0KQ8

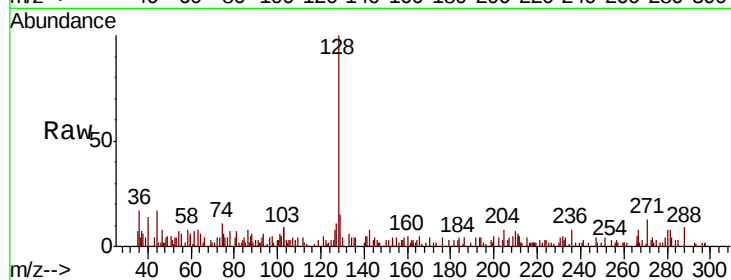
Tot Ion:128 Resp: 6773

Ion Ratio Lower Upper

128 100

127 18.0 10.3 15.5#

129 24.1 9.0 13.6#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

