

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR040619\
 Data File : VR026480.D
 Acq On : 6 Apr 2019 18:12
 Operator : SY/MD
 Sample : K2248-08
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 E3YC8

Quant Time: Apr 06 23:37:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR040319WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Apr 06 23:34:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	543658	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.28	117	449972	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	134433	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	153818	3.72	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.40%
7) Chloroethane-d5	2.63	69	143740	4.17	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.40%
11) 1,1-Dichloroethene-d2	3.60	63	346939	3.25	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.00%
20) 2-Butanone-d5	6.59	46	178177	48.38	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.76%
24) Chloroform-d	7.20	84	332878	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.80%
26) 1,2-Dichloroethane-d4	7.89	65	145098	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.00%
32) Benzene-d6	7.85	84	602570	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.60%
36) 1,2-Dichloropropane-d6	8.89	67	168504	4.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.60%
41) Toluene-d8	9.97	98	511990	3.98	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.60%
43) trans-1,3-Dichloropropene-	10.23	79	31995	3.24	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	64.80%
46) 2-Hexanone-d5	10.59	63	143233	54.07	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.14%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	63195	4.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.00%
64) 1,2-Dichlorobenzene-d4	13.51	152	109482	5.38	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.60%

Target Compounds

					Qvalue
8) Chloroethane	2.65	64	4939	0.151 ug/L	96
12) 1,1-Dichloroethene	3.63	96	56567	1.173 ug/L #	1
13) Acetone	3.69	43	14479	3.890 ug/L	89
18) trans-1,2-Dichloroethene	4.87	96	8517	0.187 ug/L	91
19) 1,1-Dichloroethane	5.69	63	702775	8.314 ug/L	97
22) cis-1,2-Dichloroethene	6.67	96	126344	3.339 ug/L #	88
27) 1,2-Dichloroethane	7.99	62	21952	0.544 ug/L #	76
29) 1,1,1-Trichloroethane	7.43	97	333270	4.487 ug/L	96
31) Carbon tetrachloride	7.43	117	38705	0.550 ug/L	95
34) Trichloroethene	8.71	95	103067	2.188 ug/L	98
35) Methylcyclohexane	8.89	83	42380	0.631 ug/L #	15
37) 1,2-Dichloropropane	8.89	63	23059	0.598 ug/L #	93
47) Tetrachloroethene	10.51	164	76835	2.292 ug/L	94
48) 2-Hexanone	10.59	43	24560	3.270 ug/L #	74
49) Dibromochloromethane	10.51	129	68120	3.336 ug/L #	14

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QLast Update : Sat Apr 06 23:34:06 2019
Response via : Initial Calibration

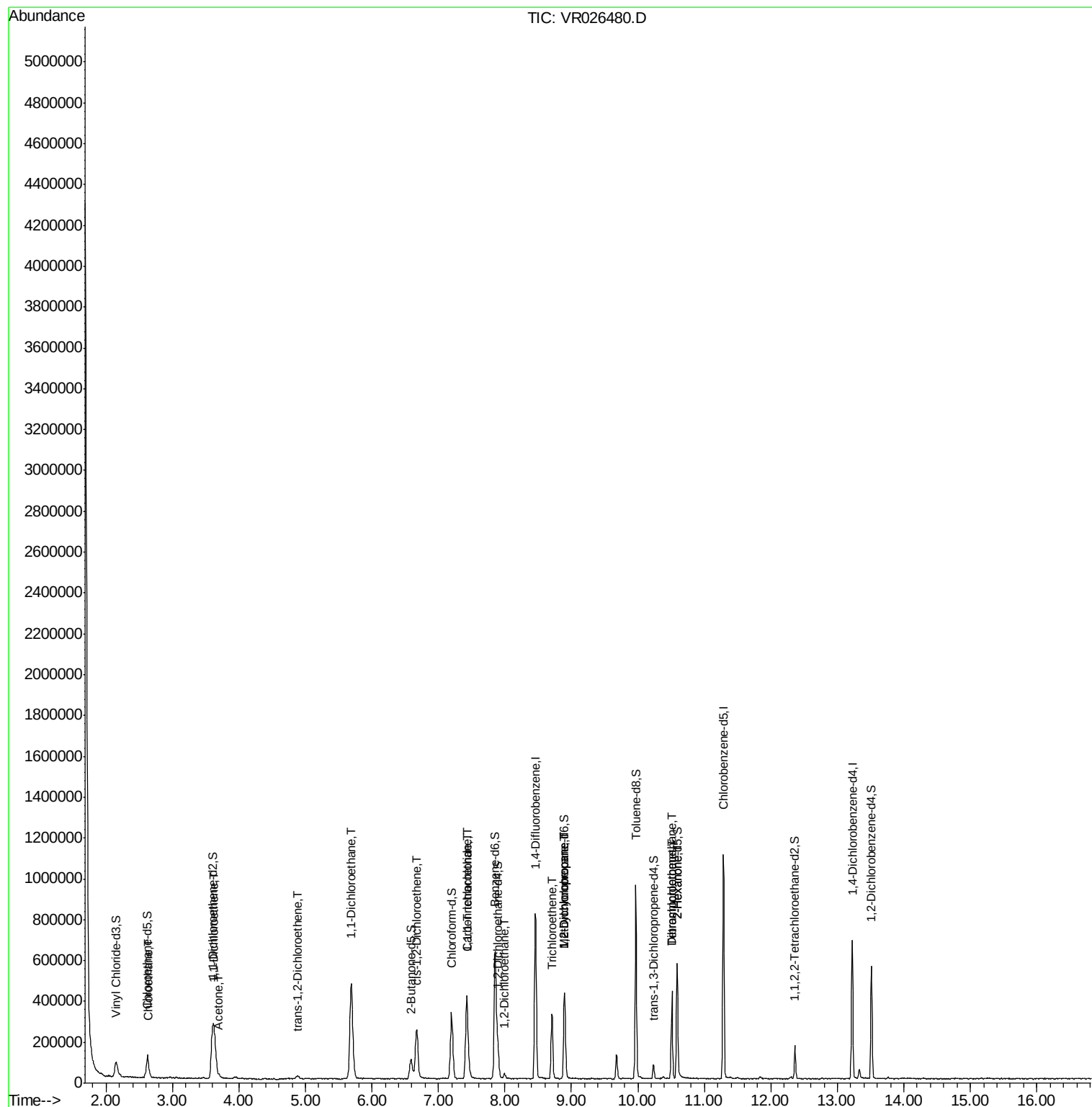
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

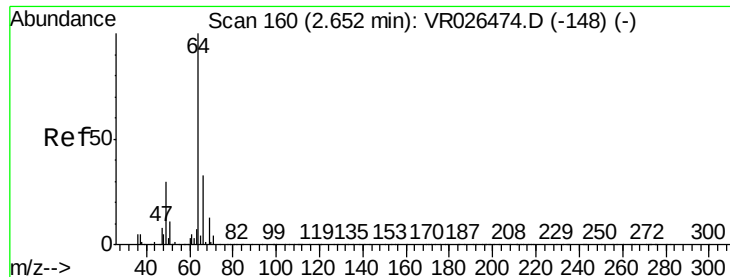
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_R\DATA\VR040619\
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#8

Chloroethane

Concen: 0.151 ug/L

RT: 2.65 min Scan# 159

Delta R.T. -0.01 min

Lab File: VR026480.D

Acq: 6 Apr 2019 18:12

Instrument :

MSVOA_R

ClientSampleId :

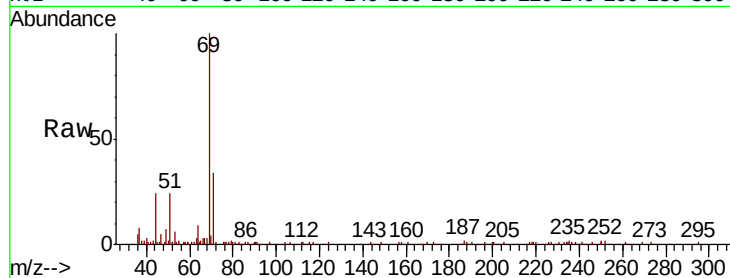
E3YC8

Tgt Ion: 64 Resp: 4939

Ion Ratio Lower Upper

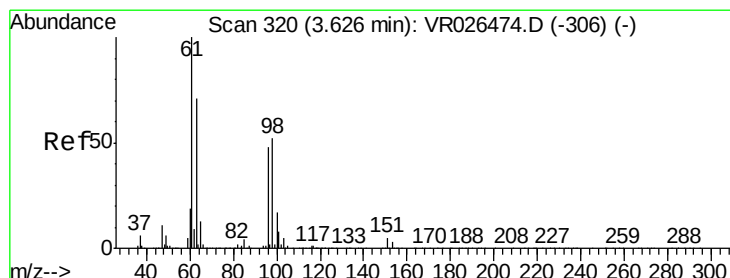
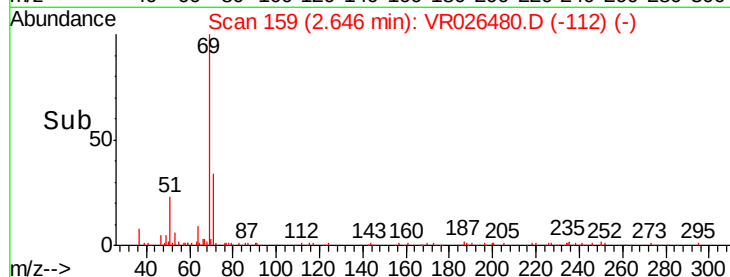
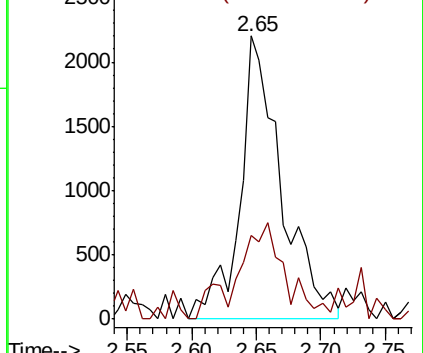
64 100

66 29.7 22.4 41.6



Abundance Ion 64.10 (63.80 to 64.80): VR0

Ion 66.05 (65.75 to 66.75): VR0



#12

1,1-Dichloroethene

Concen: 1.173 ug/L

RT: 3.63 min Scan# 321

Delta R.T. 0.01 min

Lab File: VR026480.D

Acq: 6 Apr 2019 18:12

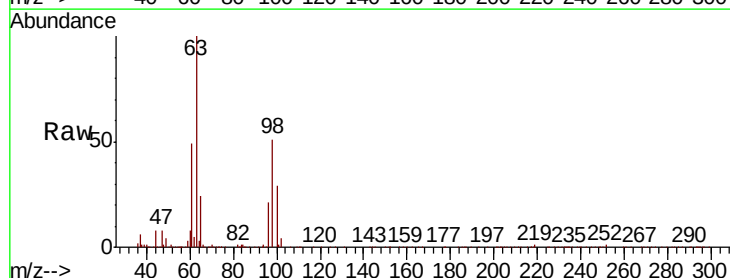
Tgt Ion: 96 Resp: 56567

Ion Ratio Lower Upper

96 100

61 229.3 142.7 264.9

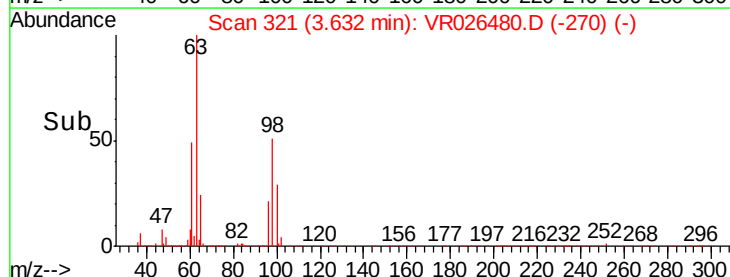
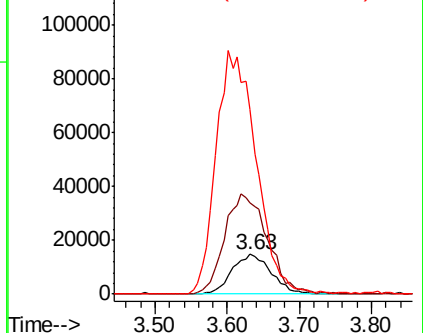
63 468.0 116.9 217.1#

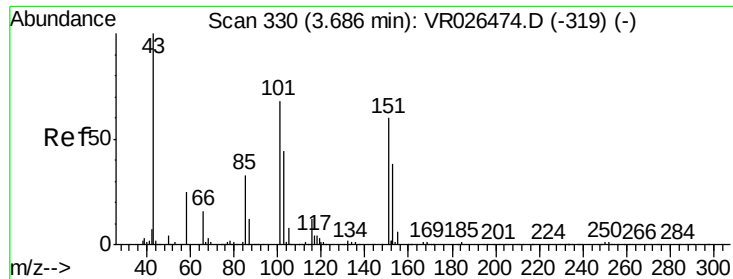


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0





#13

Acetone

Concen: 3.890 ug/L

RT: 3.69 min Scan# 331

Delta R.T. 0.01 min

Lab File: VR026480.D

Acq: 6 Apr 2019 18:12

Instrument :

MSVOA_R

ClientSampled :

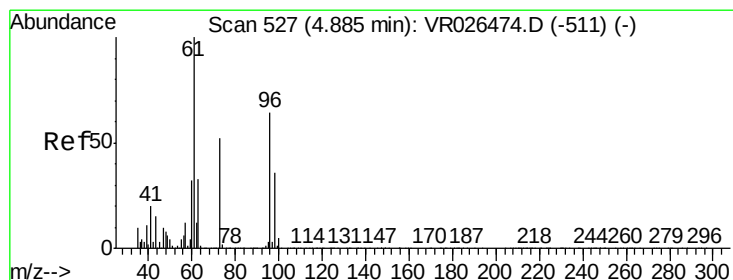
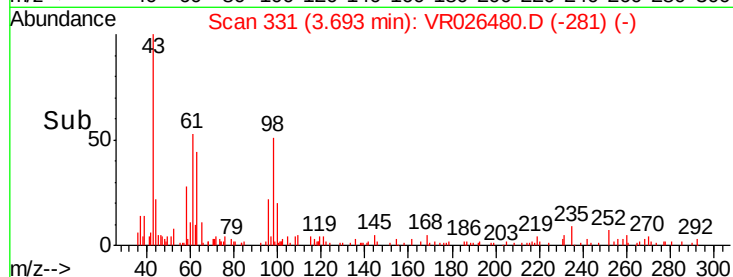
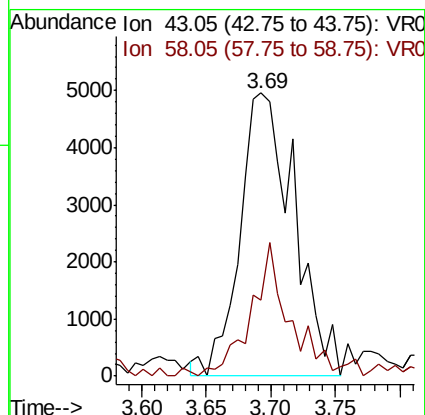
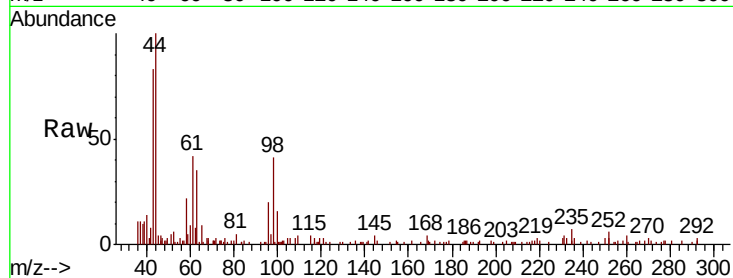
E3YC8

Tgt Ion: 43 Resp: 14479

Ion Ratio Lower Upper

43 100

58 32.7 0.0 53.8



#18

trans-1,2-Dichloroethene

Concen: 0.187 ug/L

RT: 4.87 min Scan# 525

Delta R.T. -0.01 min

Lab File: VR026480.D

Acq: 6 Apr 2019 18:12

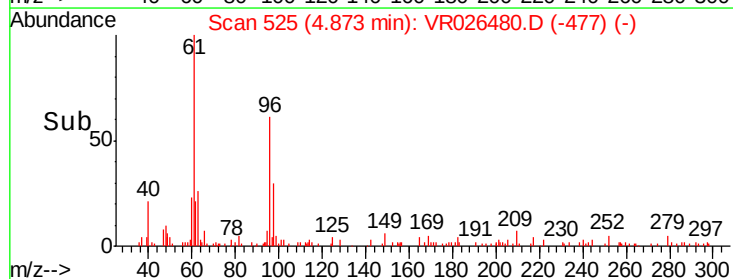
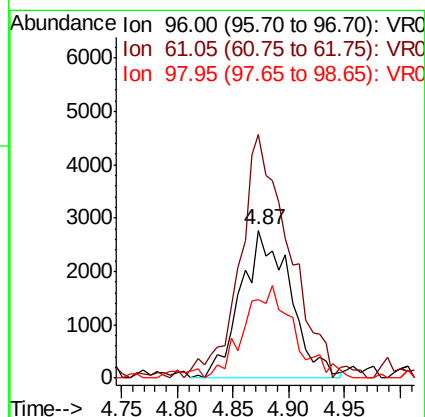
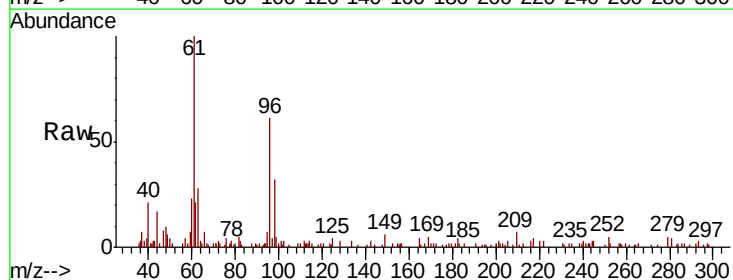
Tgt Ion: 96 Resp: 8517

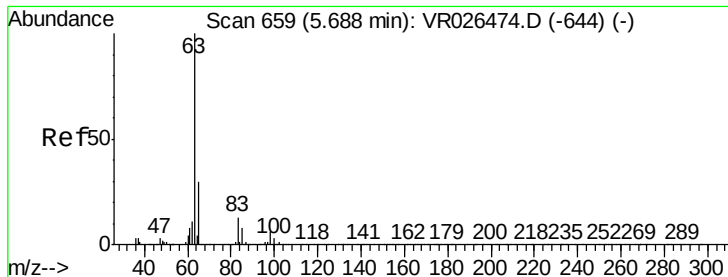
Ion Ratio Lower Upper

96 100

61 164.9 122.9 228.3

98 53.2 45.2 84.0





#19

1,1-Dichloroethane

Concen: 8.314 ug/L

RT: 5.69 min Scan# 659

Delta R.T. 0.01 min

Lab File: VR026480.D

Acq: 6 Apr 2019 18:12

Instrument :

MSVOA_R

ClientSampleId :

E3YC8

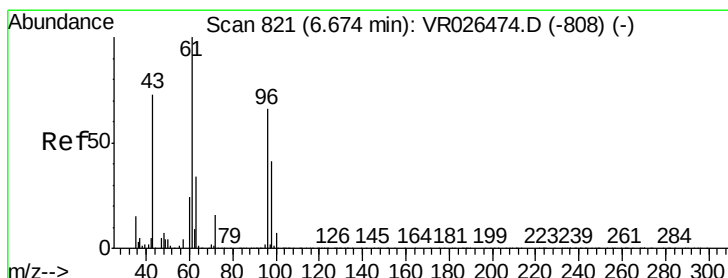
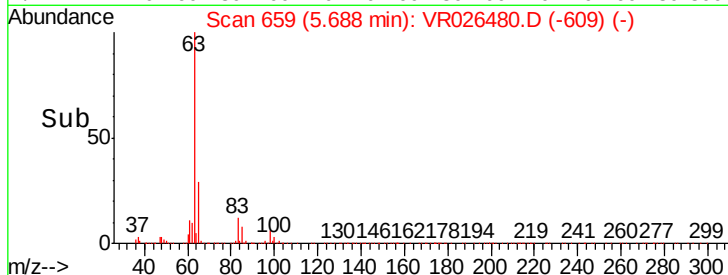
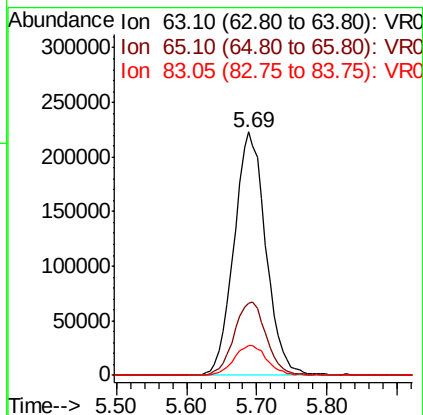
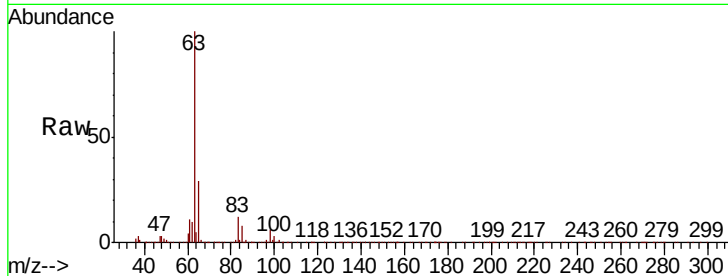
Tgt Ion: 63 Resp: 702775

Ion Ratio Lower Upper

63 100

65 29.5 22.0 40.8

83 12.2 8.2 15.2



#22

cis-1,2-Dichloroethene

Concen: 3.339 ug/L

RT: 6.67 min Scan# 821

Delta R.T. 0.01 min

Lab File: VR026480.D

Acq: 6 Apr 2019 18:12

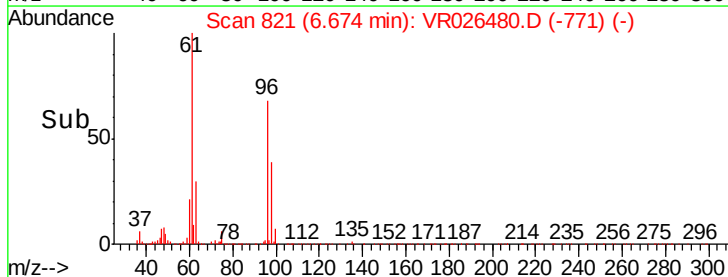
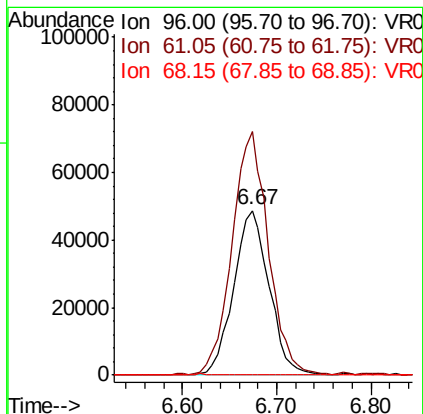
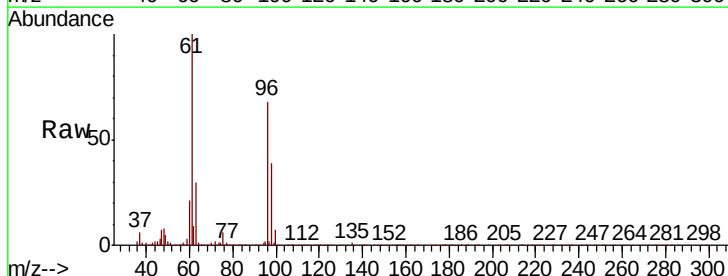
Tgt Ion: 96 Resp: 126344

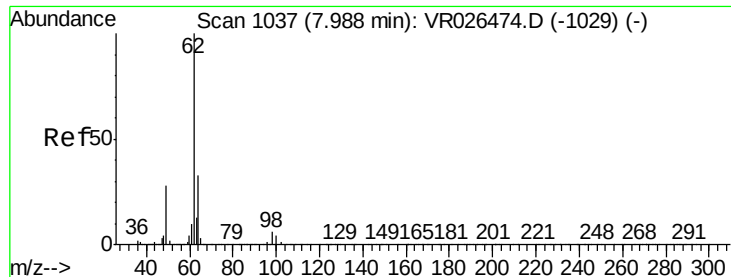
Ion Ratio Lower Upper

96 100

61 148.1 115.0 213.6

68 0.3 0.0 0.0#





#27

1,2-Dichloroethane

Concen: 0.544 ug/L

RT: 7.99 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VR026480.D

Acq: 6 Apr 2019 18:12

Instrument :

MSVOA_R

ClientSampled :

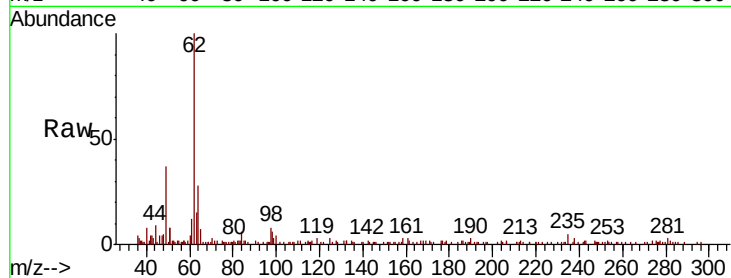
E3YC8

Tgt Ion: 62 Resp: 21952

Ion Ratio Lower Upper

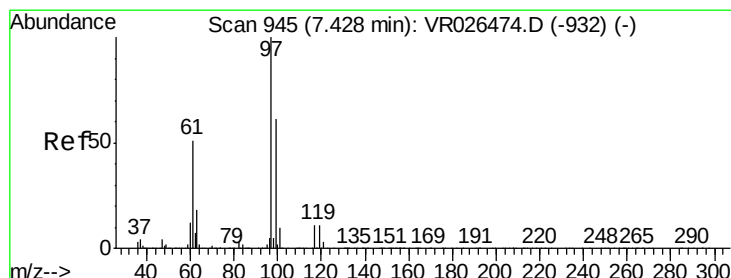
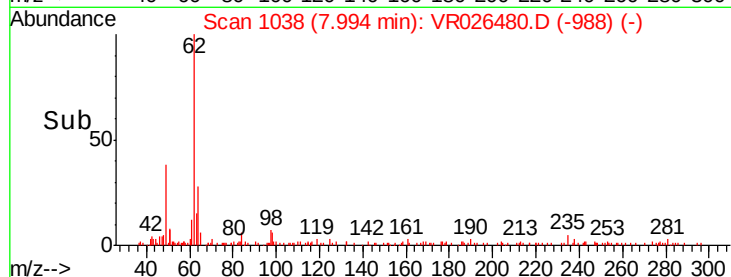
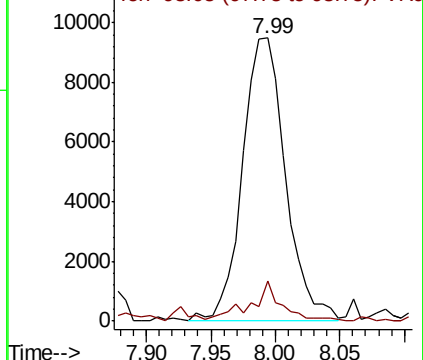
62 100

98 14.1 4.8 7.2#



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 98.05 (97.75 to 98.75): VR0



#29

1,1,1-Trichloroethane

Concen: 4.487 ug/L

RT: 7.43 min Scan# 945

Delta R.T. -0.00 min

Lab File: VR026480.D

Acq: 6 Apr 2019 18:12

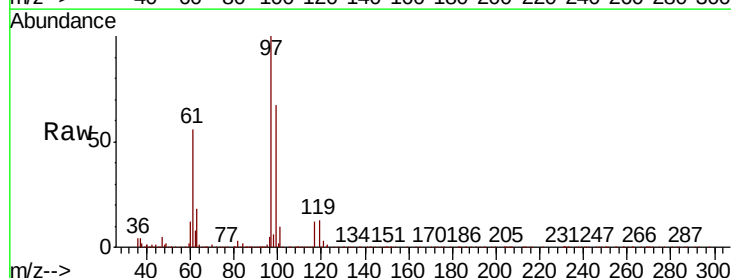
Tgt Ion: 97 Resp: 333270

Ion Ratio Lower Upper

97 100

99 64.9 49.6 74.4

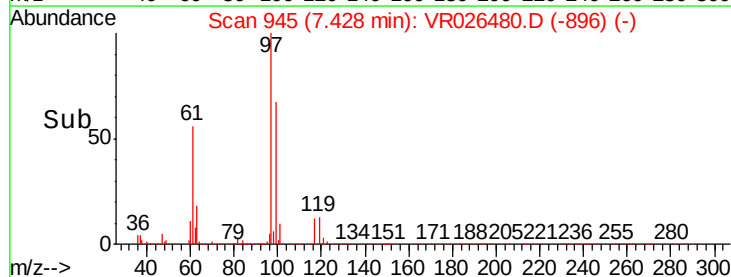
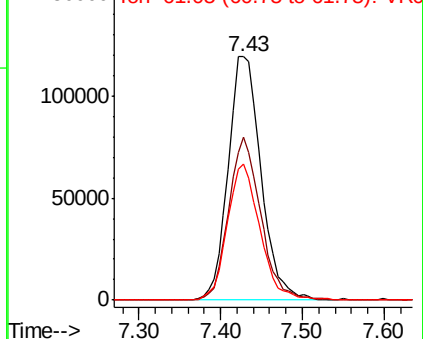
61 55.2 41.8 62.6

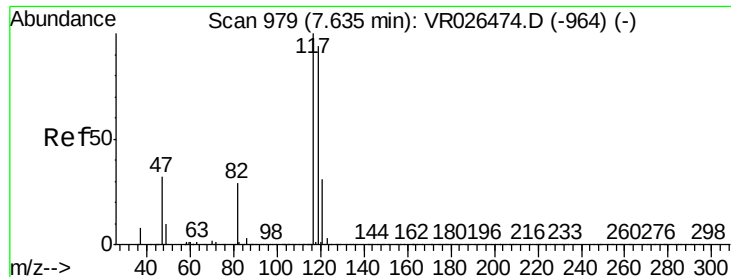


Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 61.05 (60.75 to 61.75): VR0





#31

Carbon tetrachloride

Concen: 0.550 ug/L

RT: 7.43 min Scan# 945

Delta R.T. -0.20 min

Lab File: VR026480.D

Acq: 6 Apr 2019 18:12

Instrument :

MSVOA_R

ClientSampleId :

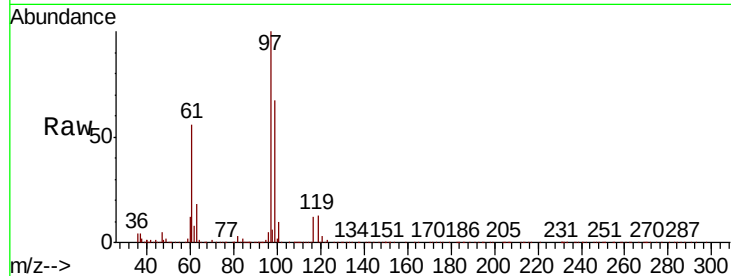
E3YC8

Tgt Ion:117 Resp: 38705

Ion Ratio Lower Upper

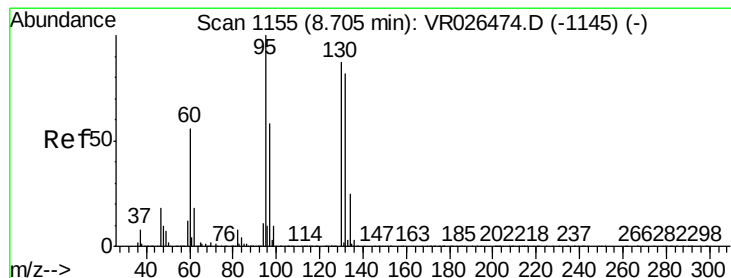
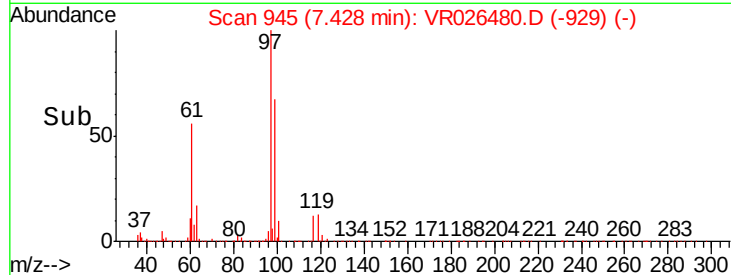
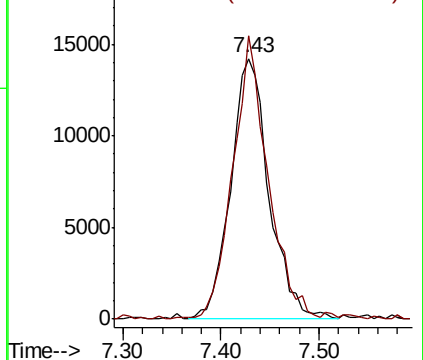
117 100

119 99.9 75.9 113.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 2.188 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.01 min

Lab File: VR026480.D

Acq: 6 Apr 2019 18:12

Tgt Ion: 95 Resp: 103067

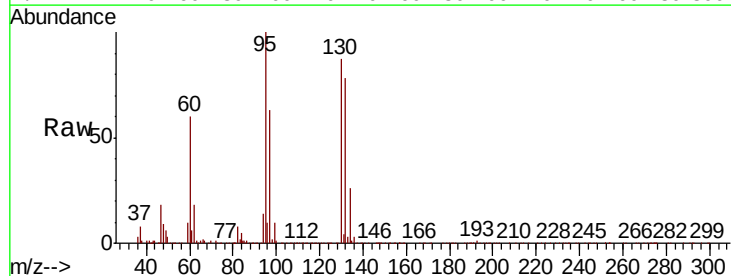
Ion Ratio Lower Upper

95 100

97 63.0 43.8 81.3

132 77.8 57.2 106.2

130 86.6 59.7 110.9

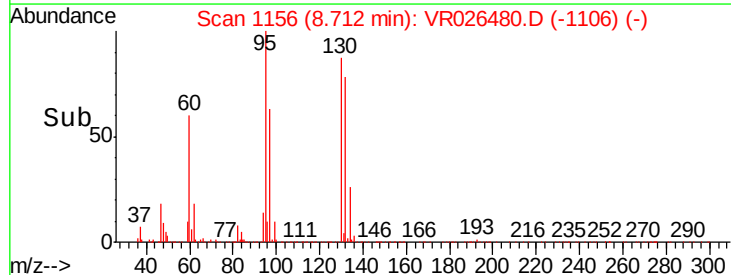
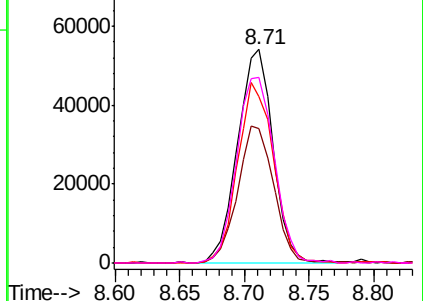


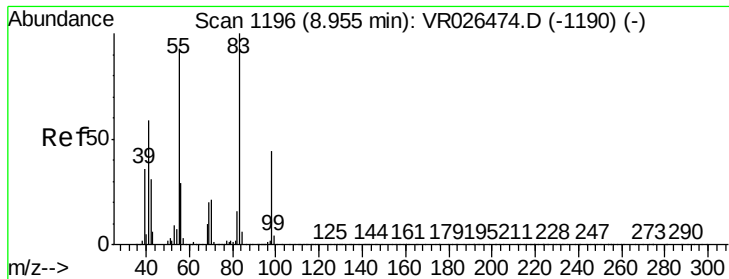
Abundance Ion 95.00 (94.70 to 95.70): VR0

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

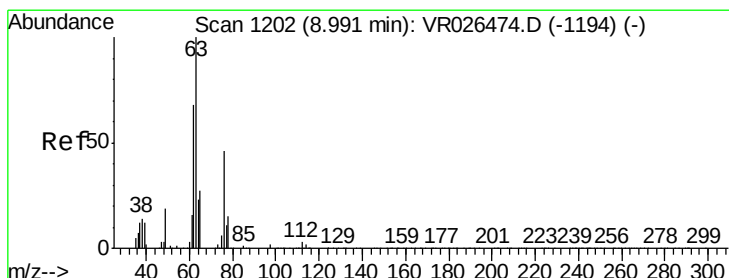
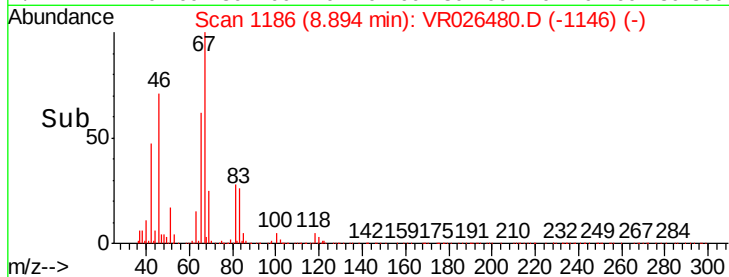
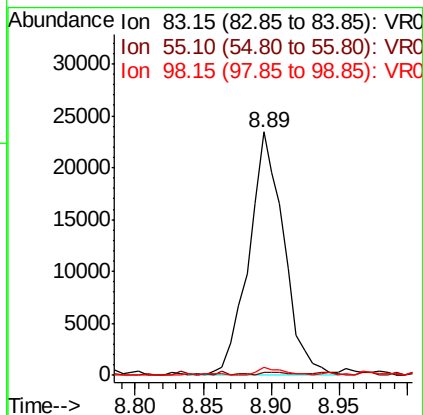
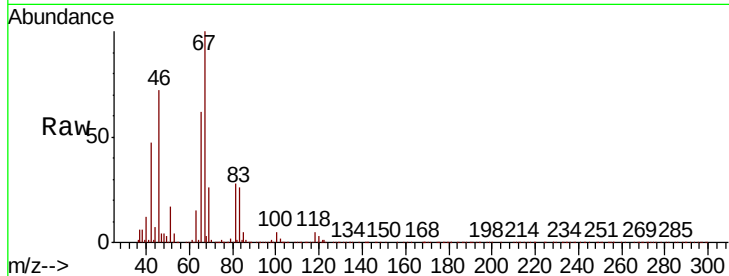




#35
Methylcyclohexane
Concen: 0.631 ug/L
RT: 8.89 min Scan# 1186
Delta R.T. -0.05 min
Lab File: VR026480.D
Acq: 6 Apr 2019 18:12

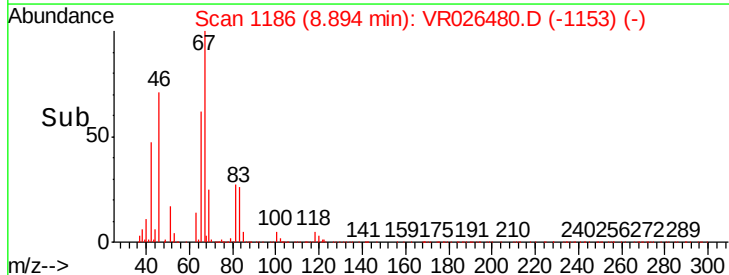
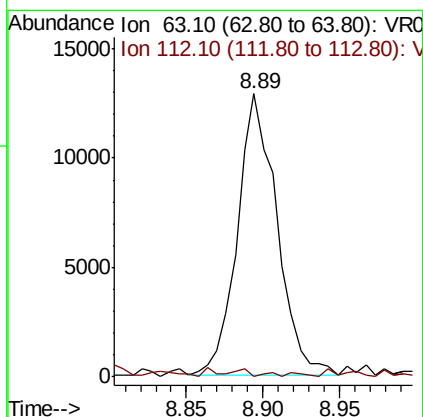
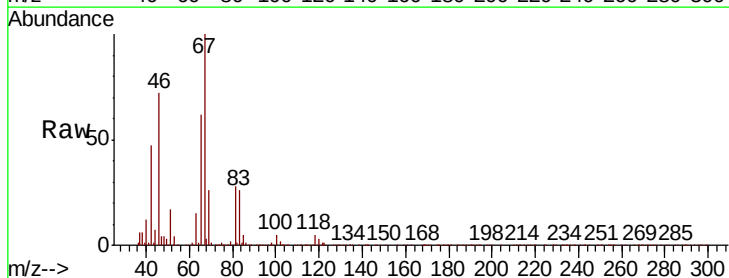
Instrument :
MSVOA_R
ClientSampleId :
E3YC8

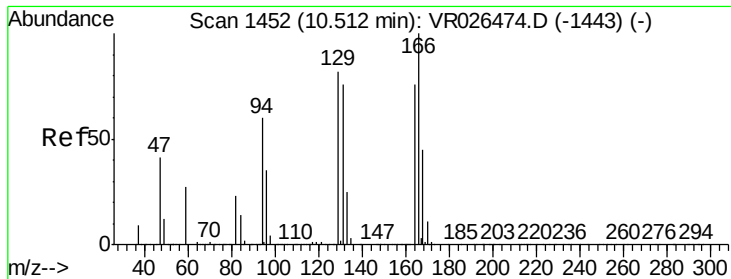
Tgt Ion: 83 Resp: 42380
Ion Ratio Lower Upper
83 100
55 1.1 73.8 110.6#
98 2.5 34.6 51.8#



#37
1,2-Dichloropropane
Concen: 0.598 ug/L
RT: 8.89 min Scan# 1186
Delta R.T. -0.10 min
Lab File: VR026480.D
Acq: 6 Apr 2019 18:12

Tgt Ion: 63 Resp: 23059
Ion Ratio Lower Upper
63 100
112 1.3 2.8 4.2#





#47

Tetrachloroethene

Concen: 2.292 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VR026480.D

Acq: 6 Apr 2019 18:12

Instrument :

MSVOA_R

ClientSampleId :

E3YC8

Tgt Ion:164 Resp: 76835

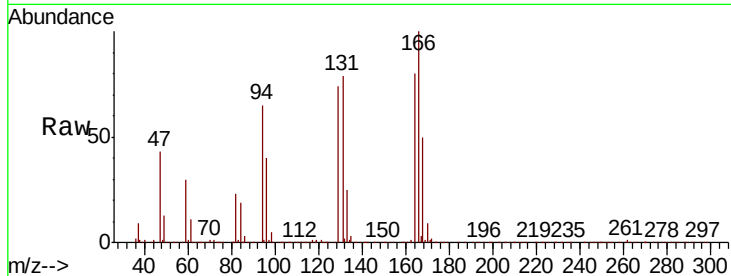
Ion Ratio Lower Upper

164 100

129 92.4 74.1 137.5

131 99.0 71.3 132.5

166 125.7 90.9 168.9

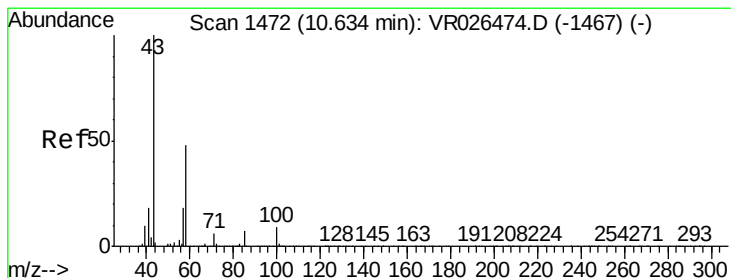
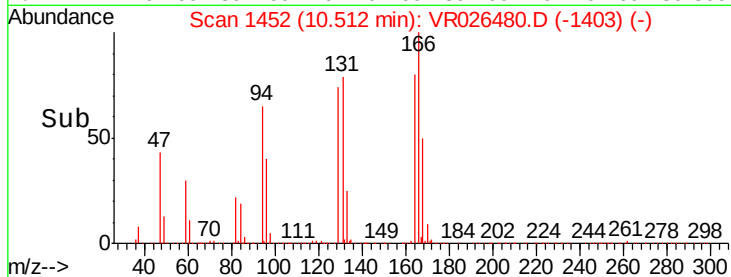
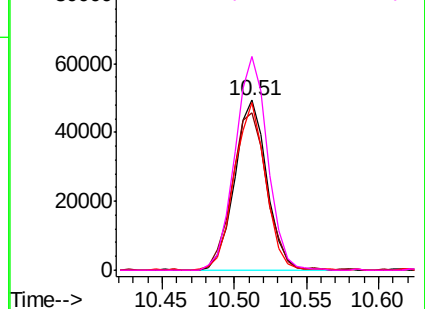


Abundance Ion 163.90 (163.60 to 164.60): V

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



#48

2-Hexanone

Concen: 3.270 ug/L

RT: 10.59 min Scan# 1465

Delta R.T. -0.04 min

Lab File: VR026480.D

Acq: 6 Apr 2019 18:12

Tgt Ion: 43 Resp: 24560

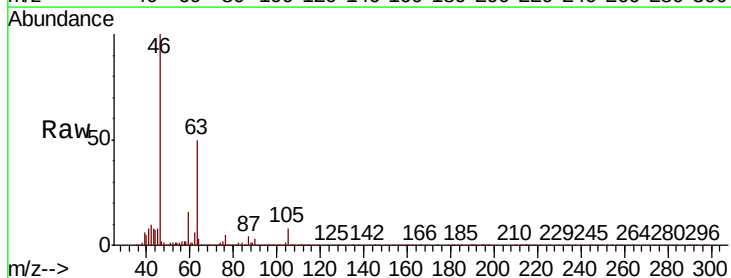
Ion Ratio Lower Upper

43 100

58 28.6 38.2 57.2#

57 28.6 13.8 20.6#

100 3.4 6.2 9.2#

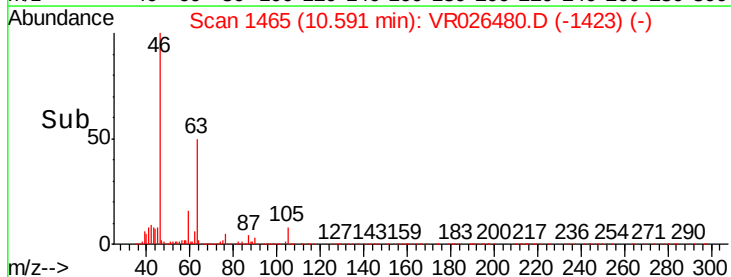
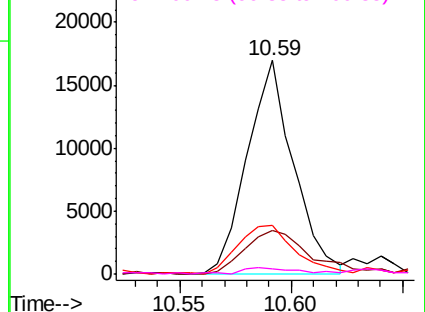


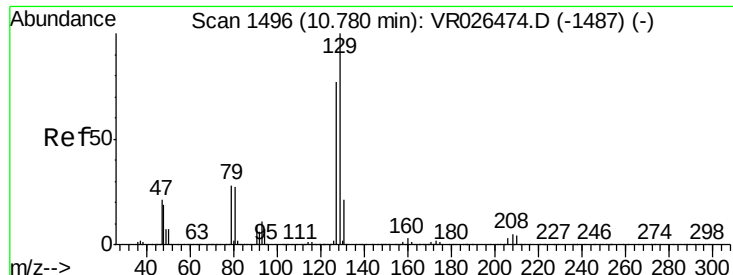
Abundance Ion 43.05 (42.75 to 43.75): VR0

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





#49

Dibromochloromethane

Concen: 3.336 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. -0.27 min

Lab File: VR026480.D

Acq: 6 Apr 2019 18:12

Instrument :

MSVOA_R

ClientSampleId :

E3YC8

Tgt Ion:129 Resp: 68120

Ion Ratio Lower Upper

129 100

127 0.2 50.2 93.2#

