

Data File : VR026241.D
Acq On : 20 Nov 2018 22:42
Operator : SY/MD
Sample : J6026-02
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
H0FK1

Quant Time: Nov 21 03:27:12 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR112018WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 21 03:23:51 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	567442	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	467144	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	146811	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	211664	4.90	ug/L	0.02
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.00%
7) Chloroethane-d5	2.62	69	199249	5.13	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	102.60%
11) 1,1-Dichloroethene-d2	3.61	63	421619	3.84	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.80%
20) 2-Butanone-d5	6.59	46	198744	49.60	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.20%
24) Chloroform-d	7.20	84	387419	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.40%
26) 1,2-Dichloroethane-d4	7.90	65	155906	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
32) Benzene-d6	7.85	84	776386	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
36) 1,2-Dichloropropane-d6	8.90	67	205823	5.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.80%
41) Toluene-d8	9.97	98	710464	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
43) trans-1,3-Dichloropropene-	10.24	79	48801	4.38	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.60%
46) 2-Hexanone-d5	10.59	63	142882	55.31	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.62%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	75772	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.20%
64) 1,2-Dichlorobenzene-d4	13.52	152	135128	5.34	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.80%

Target Compounds

					Qvalue
5) Vinyl chloride	2.18	62	495732	9.878 ug/L	98
12) 1,1-Dichloroethene	3.63	96	13579	0.285 ug/L #	1
13) Acetone	3.72	43	7846	2.604 ug/L	52
17) Methyl tert-butyl Ether	4.89	73	409256	8.312 ug/L	98
18) trans-1,2-Dichloroethene	4.89	96	338919	7.748 ug/L	93
19) 1,1-Dichloroethane	5.69	63	67941	0.865 ug/L	95
22) cis-1,2-Dichloroethene	6.68	96	4325624	109.732 ug/L #	94
33) Benzene	7.91	78	57529	0.337 ug/L	100
34) Trichloroethene	8.71	95	2968163	65.653 ug/L	94
35) Methylcyclohexane	8.89	83	48392	0.804 ug/L #	17
42) Toluene	10.04	91	19256	0.094 ug/L	87
44) trans-1,3-Dichloropropene	10.23	75	2676	0.097 ug/L	91
47) Tetrachloroethene	10.51	164	37521	1.130 ug/L	97
48) 2-Hexanone	10.59	43	20180	3.060 ug/L #	69
49) Dibromochloromethane	10.51	129	33546	1.816 ug/L #	12

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR112018\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 21 03:23:51 2018
Response via : Initial Calibration

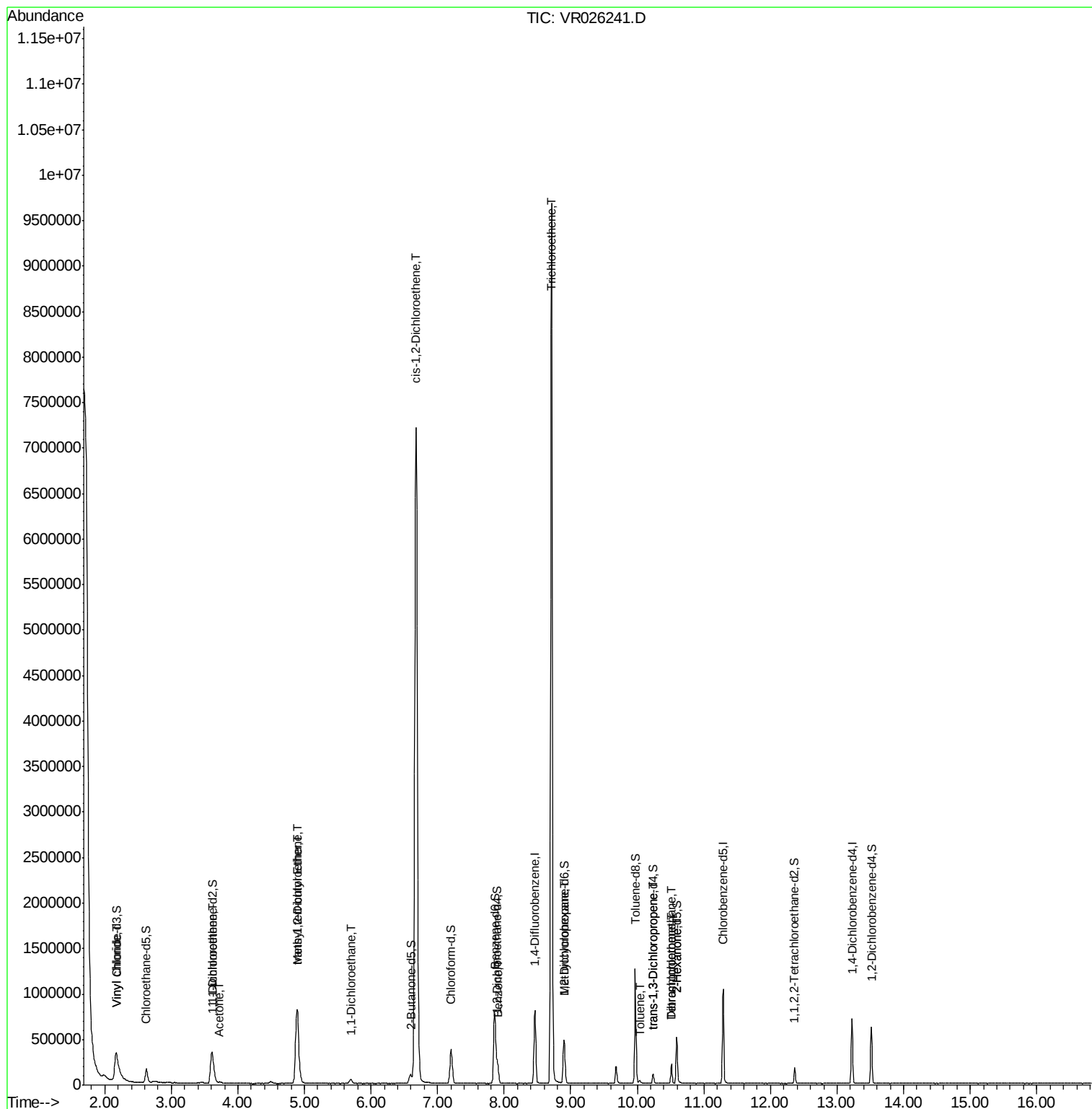
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

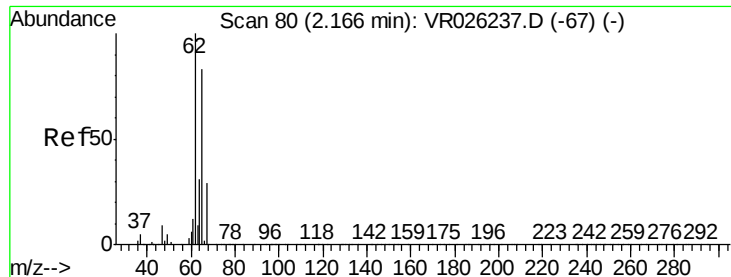
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 9.878 ug/L

RT: 2.18 min Scan# 82

Delta R.T. 0.01 min

Lab File: VR026241.D

Acq: 20 Nov 2018 22:42

Instrument :

MSVOA_R

ClientSampleId :

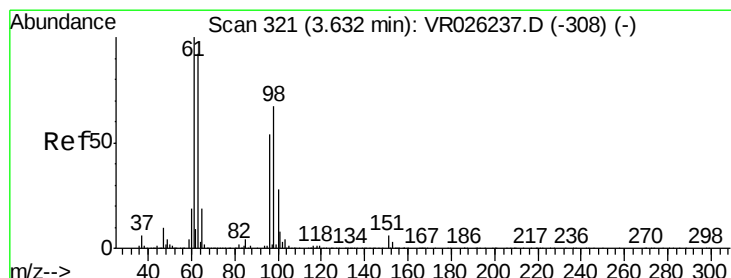
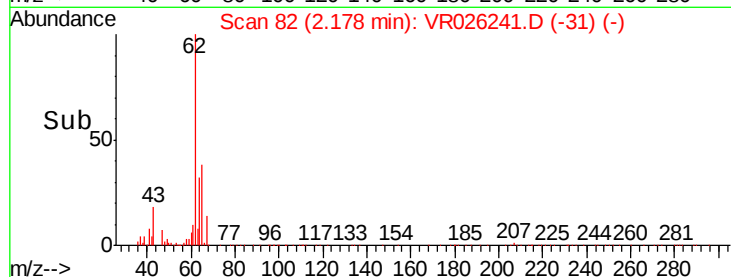
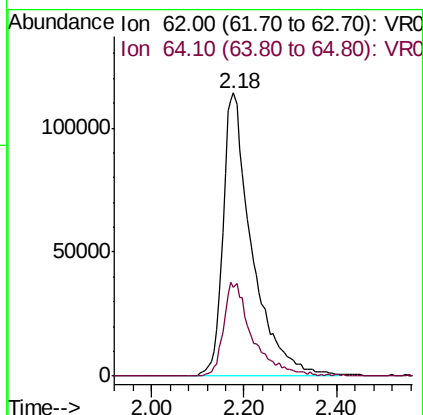
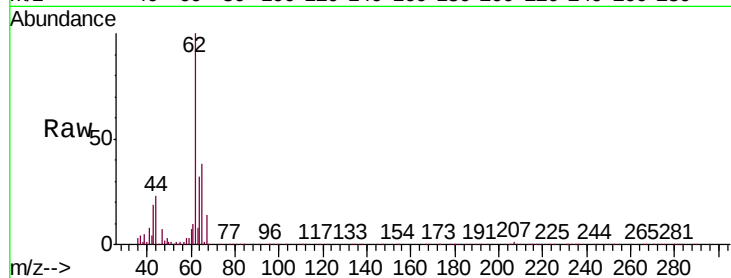
H0FK1

Tgt Ion: 62 Resp: 495732

Ion Ratio Lower Upper

62 100

64 31.6 21.3 39.5



#12

1,1-Dichloroethene

Concen: 0.285 ug/L

RT: 3.63 min Scan# 321

Delta R.T. 0.00 min

Lab File: VR026241.D

Acq: 20 Nov 2018 22:42

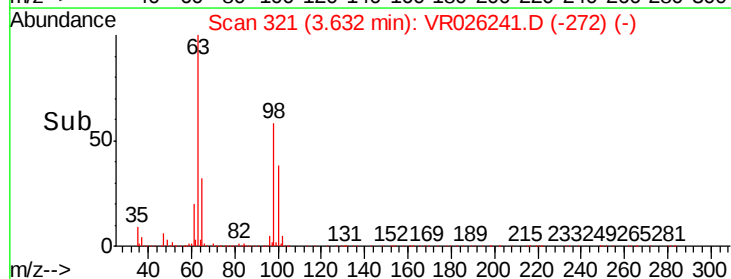
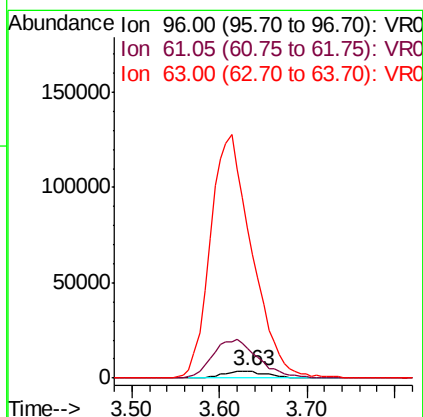
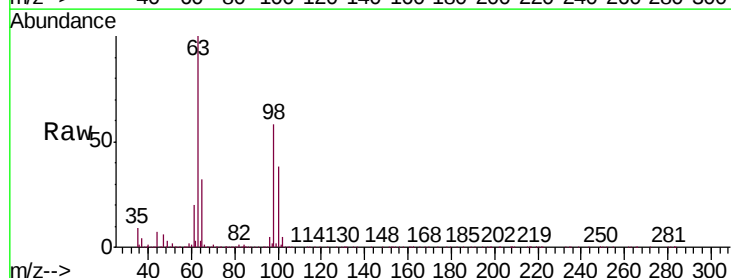
Tgt Ion: 96 Resp: 13579

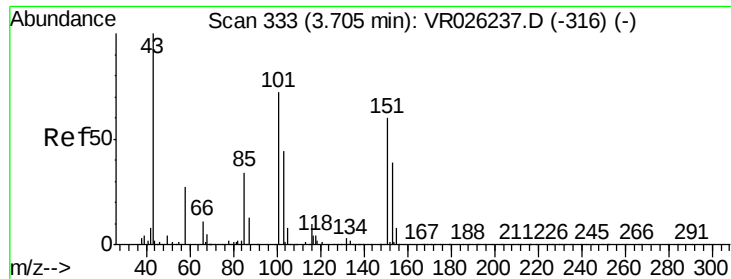
Ion Ratio Lower Upper

96 100

61 409.5 128.7 239.1#

63 2043.5 122.6 227.6#





#13

Acetone

Concen: 2.604 ug/L

RT: 3.72 min Scan# 335

Delta R.T. 0.01 min

Lab File: VR026241.D

Acq: 20 Nov 2018 22:42

Instrument :

MSVOA_R

ClientSampleId :

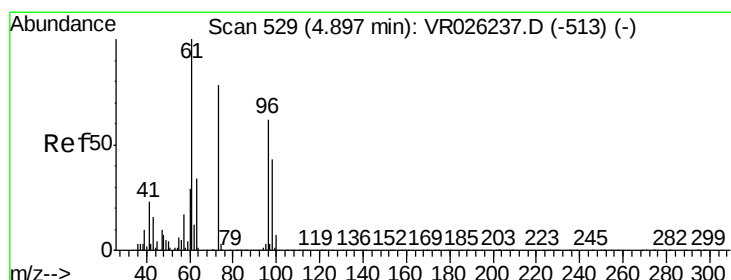
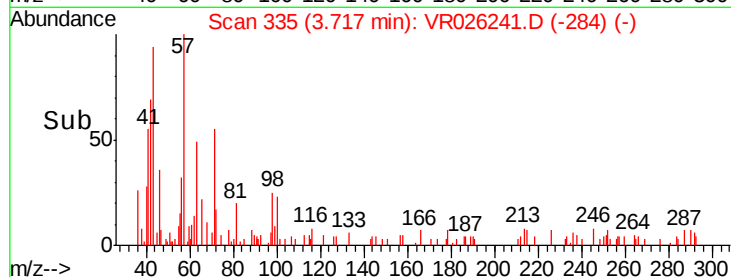
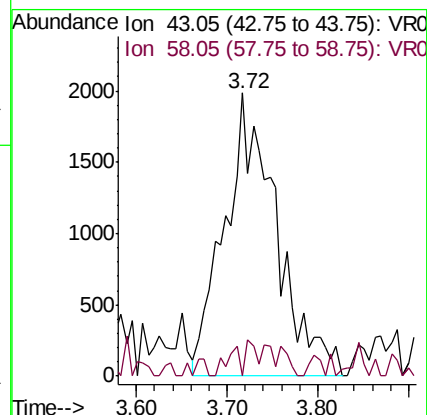
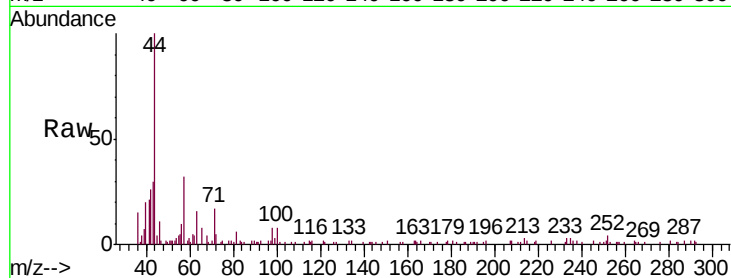
H0FK1

Tgt Ion: 43 Resp: 7846

Ion Ratio Lower Upper

43 100

58 2.5 0.0 55.0



#17

Methyl tert-butyl Ether

Concen: 8.312 ug/L

RT: 4.89 min Scan# 528

Delta R.T. -0.01 min

Lab File: VR026241.D

Acq: 20 Nov 2018 22:42

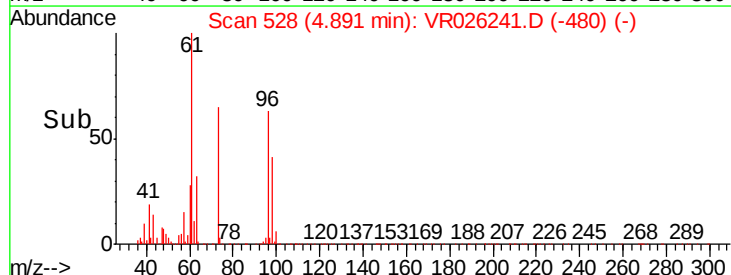
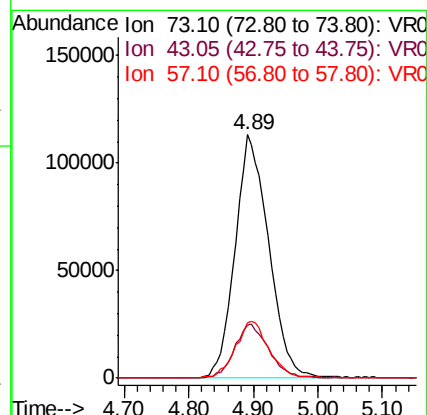
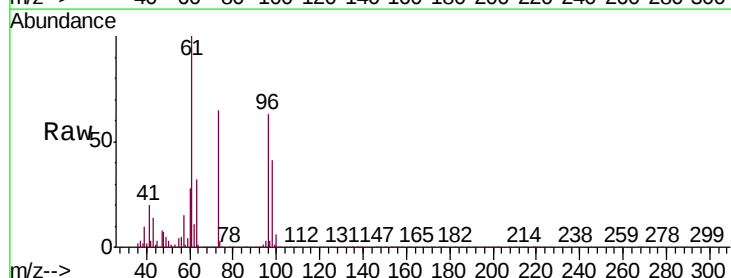
Tgt Ion: 73 Resp: 409256

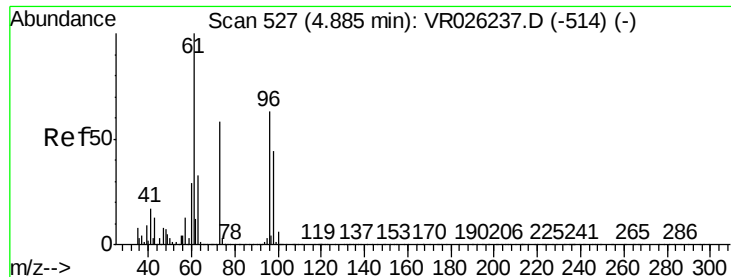
Ion Ratio Lower Upper

73 100

43 22.0 19.0 28.4

57 23.1 17.9 26.9





#18

trans-1,2-Dichloroethene

Concen: 7.748 ug/L

RT: 4.89 min Scan# 528

Delta R.T. 0.01 min

Lab File: VR026241.D

Acq: 20 Nov 2018 22:42

Instrument :

MSVOA_R

ClientSampleId :

H0FK1

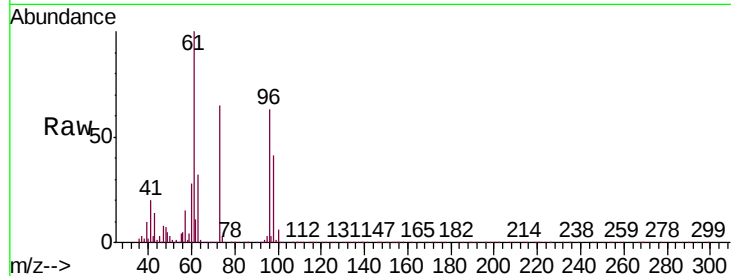
Tgt Ion: 96 Resp: 338919

Ion Ratio Lower Upper

96 100

61 159.4 105.4 195.8

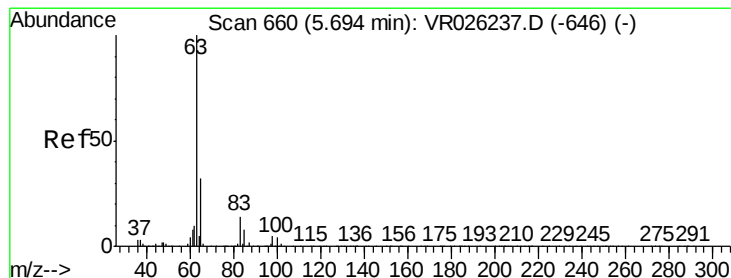
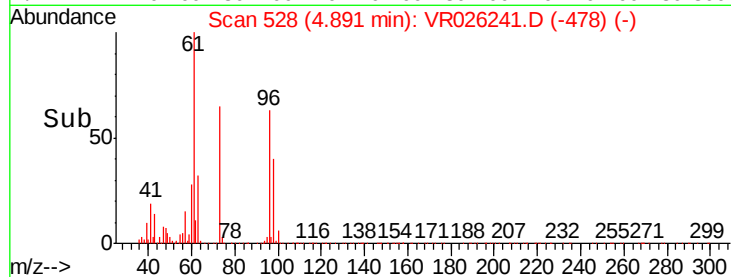
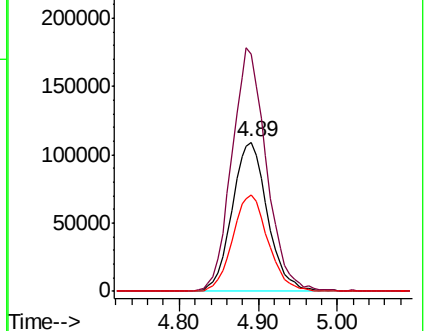
98 64.5 42.1 78.1



Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 97.95 (97.65 to 98.65): VR0



#19

1,1-Dichloroethane

Concen: 0.865 ug/L

RT: 5.69 min Scan# 660

Delta R.T. 0.00 min

Lab File: VR026241.D

Acq: 20 Nov 2018 22:42

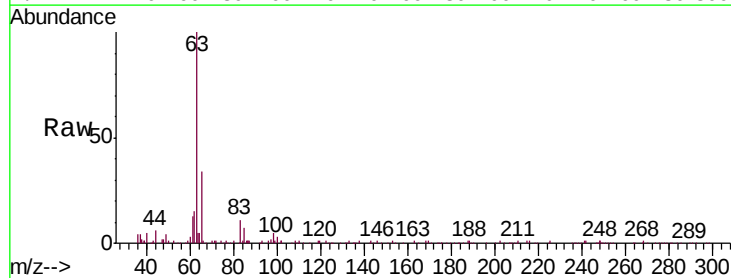
Tgt Ion: 63 Resp: 67941

Ion Ratio Lower Upper

63 100

65 32.0 21.1 39.3

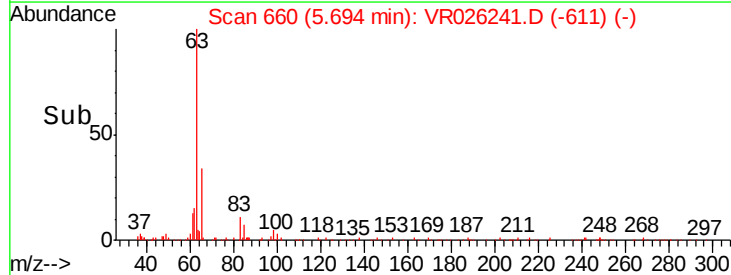
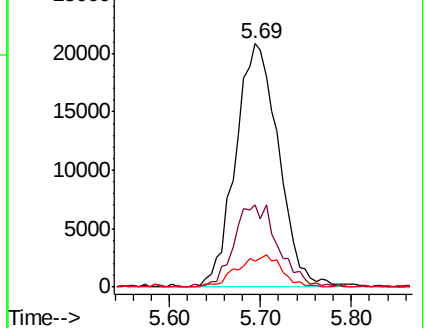
83 10.3 9.9 18.5

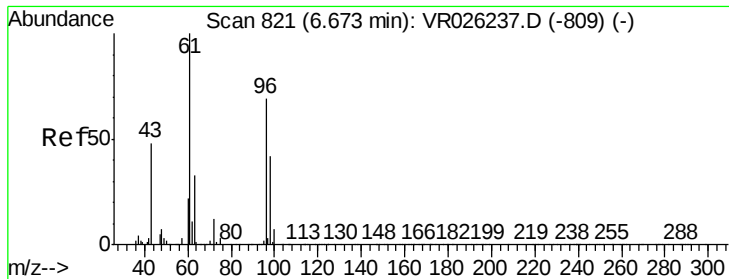


Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 65.10 (64.80 to 65.80): VR0

Ion 83.05 (82.75 to 83.75): VR0



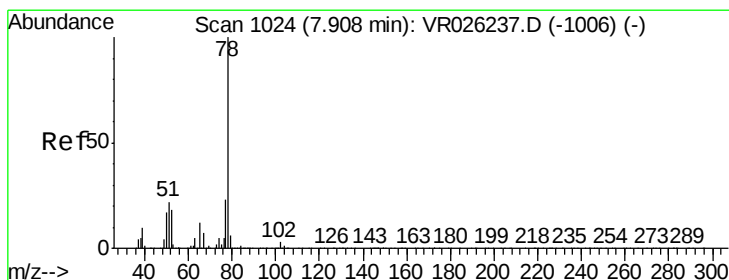
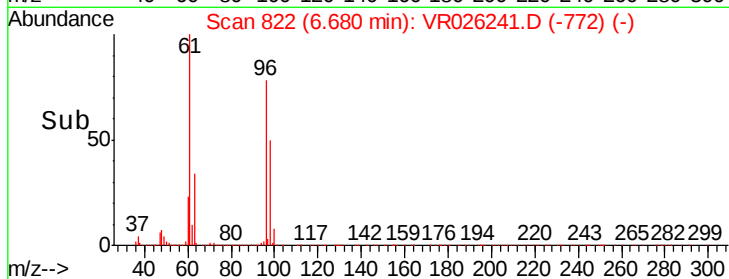
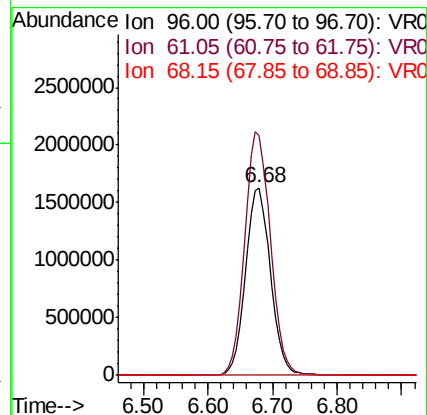
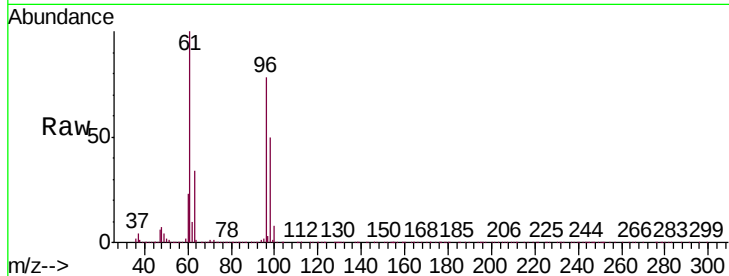


#22

cis-1,2-Dichloroethene
Concen: 109.732 ug/L
RT: 6.68 min Scan# 822
Delta R.T. 0.01 min
Lab File: VR026241.D
Acq: 20 Nov 2018 22:42

Instrument :
MSVOA_R
ClientSampled :
H0FK1

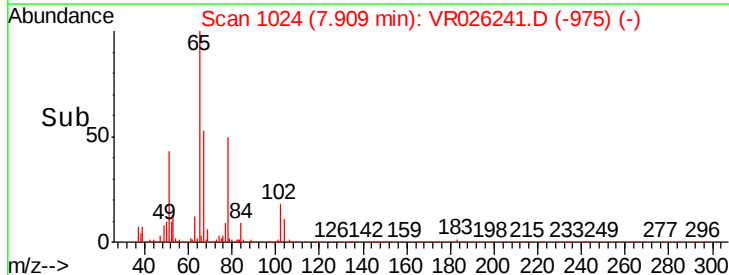
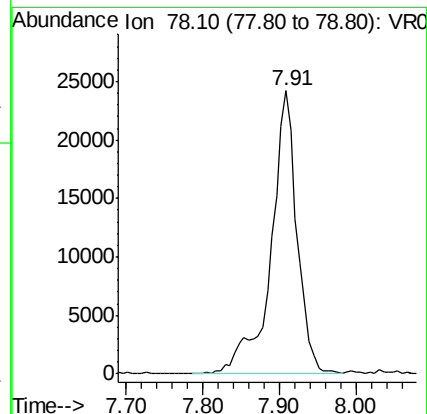
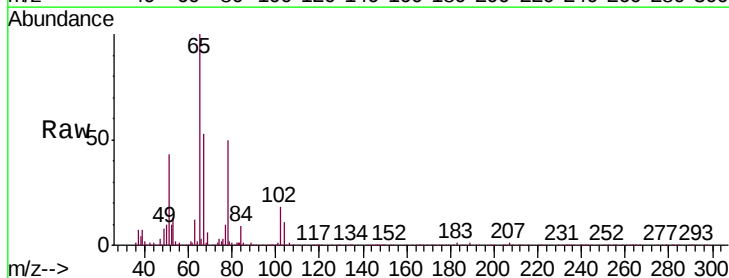
Tgt Ion: 96 Resp: 4325624
Ion Ratio Lower Upper
96 100
61 128.2 94.8 176.2
68 0.0 0.0 0.0#

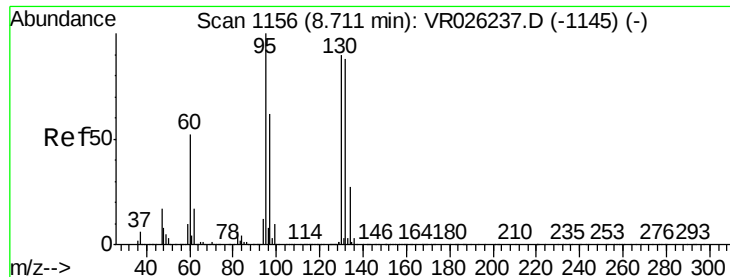


#33

Benzene
Concen: 0.337 ug/L
RT: 7.91 min Scan# 1024
Delta R.T. 0.00 min
Lab File: VR026241.D
Acq: 20 Nov 2018 22:42

Tgt Ion: 78 Resp: 57529





#34

Trichloroethene

Concen: 65.653 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VR026241.D

Acq: 20 Nov 2018 22:42

Instrument :

MSVOA_R

ClientSampleId :

H0FK1

Tgt Ion: 95 Resp: 2968163

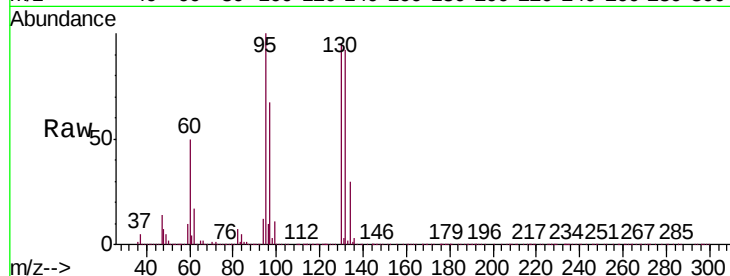
Ion Ratio Lower Upper

95 100

97 66.9 45.1 83.7

132 92.1 59.8 111.0

130 94.8 61.4 114.0

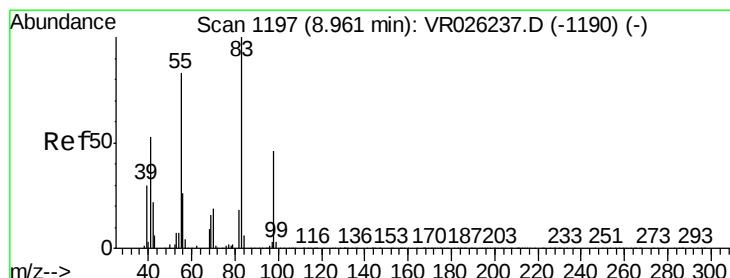
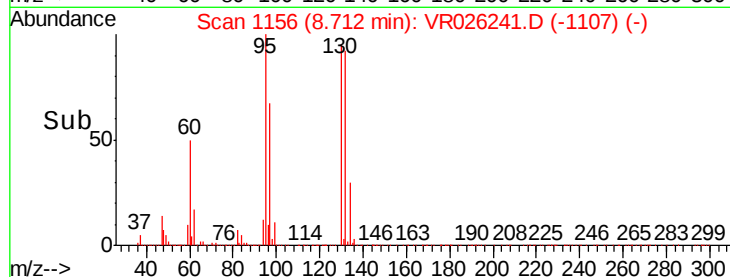
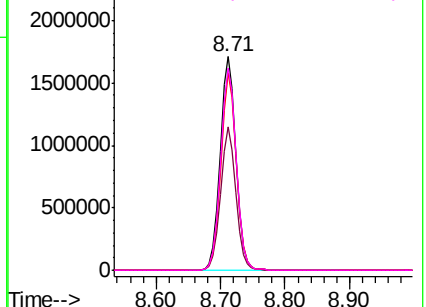


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 0.804 ug/L

RT: 8.89 min Scan# 1186

Delta R.T. -0.07 min

Lab File: VR026241.D

Acq: 20 Nov 2018 22:42

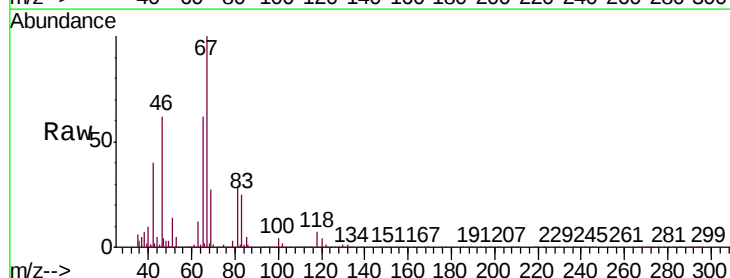
Tgt Ion: 83 Resp: 48392

Ion Ratio Lower Upper

83 100

55 1.3 66.6 100.0#

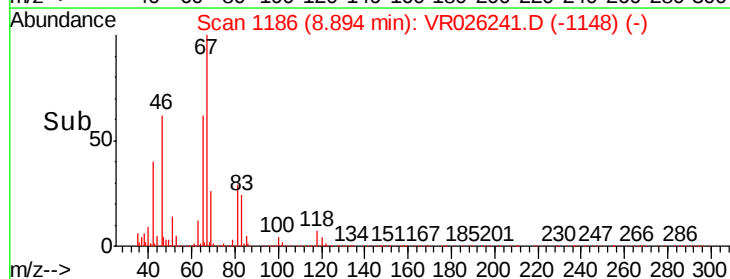
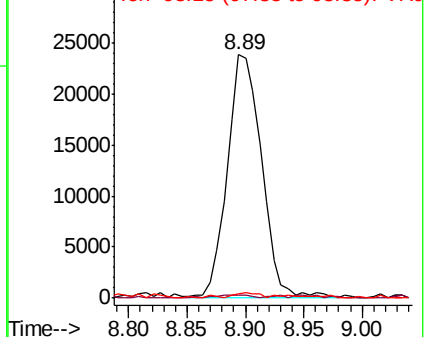
98 0.0 35.5 53.3#

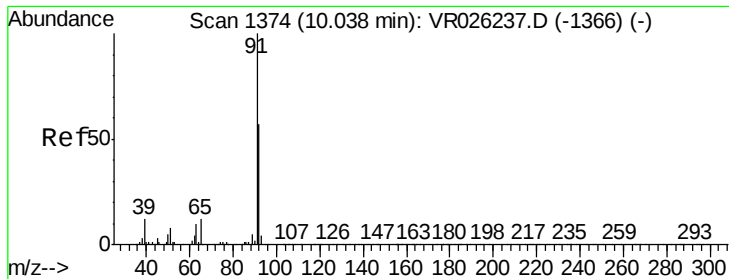


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#42

Toluene

Concen: 0.094 ug/L

RT: 10.04 min Scan# 1374

Delta R.T. 0.00 min

Lab File: VR026241.D

Acq: 20 Nov 2018 22:42

Instrument :

MSVOA_R

ClientSampleId :

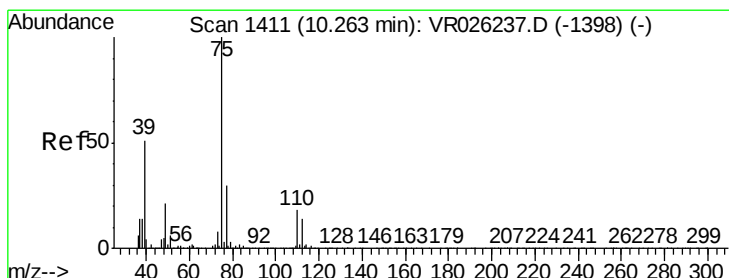
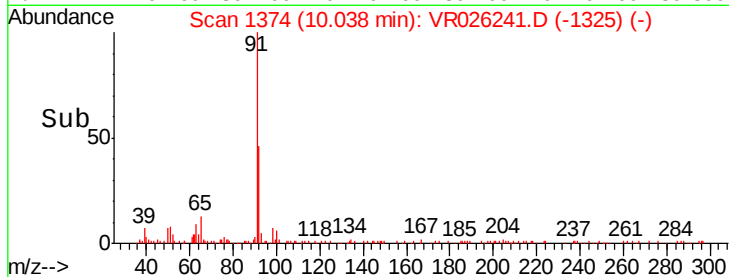
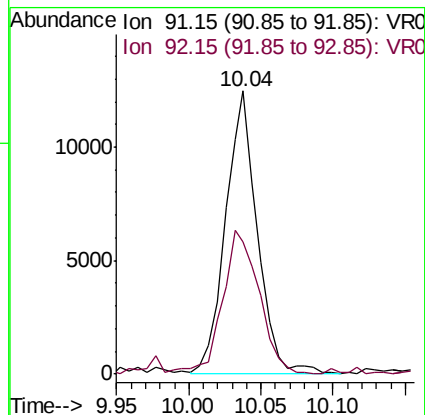
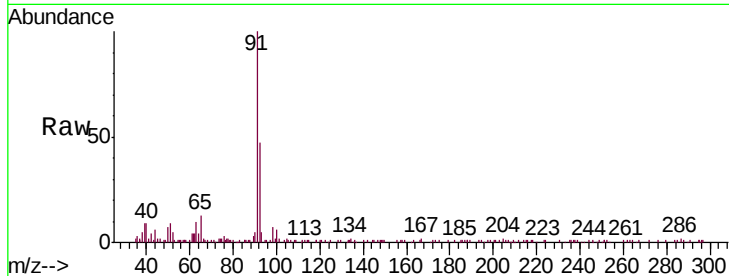
H0FK1

Tgt Ion: 91 Resp: 19256

Ion Ratio Lower Upper

91 100

92 46.8 39.5 73.3



#44

trans-1,3-Dichloropropene

Concen: 0.097 ug/L

RT: 10.23 min Scan# 1406

Delta R.T. -0.03 min

Lab File: VR026241.D

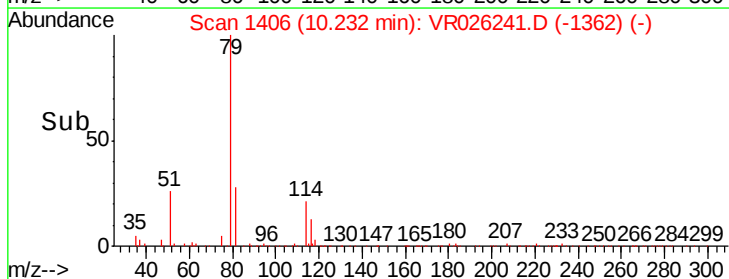
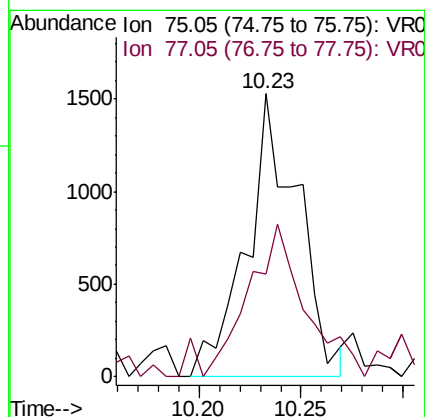
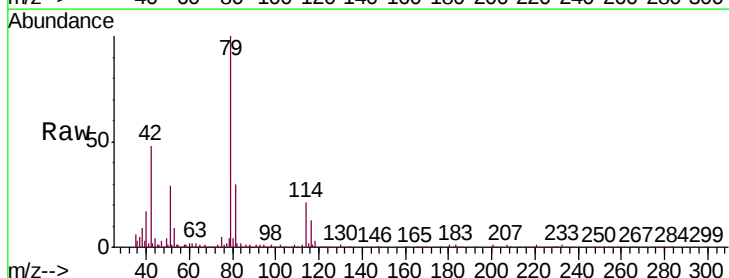
Acq: 20 Nov 2018 22:42

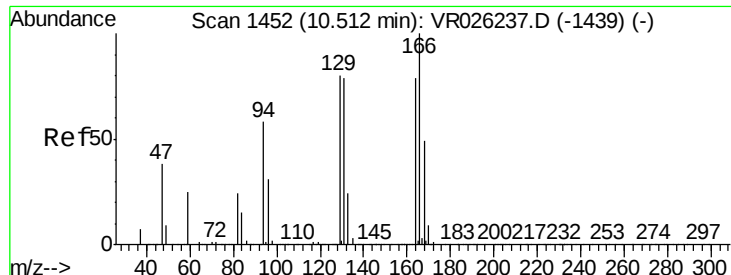
Tgt Ion: 75 Resp: 2676

Ion Ratio Lower Upper

75 100

77 36.5 22.3 41.3





#47

Tetrachloroethene

Concen: 1.130 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VR026241.D

Acq: 20 Nov 2018 22:42

Instrument :

MSVOA_R

ClientSampleId :

H0FK1

Tgt Ion:164 Resp: 37521

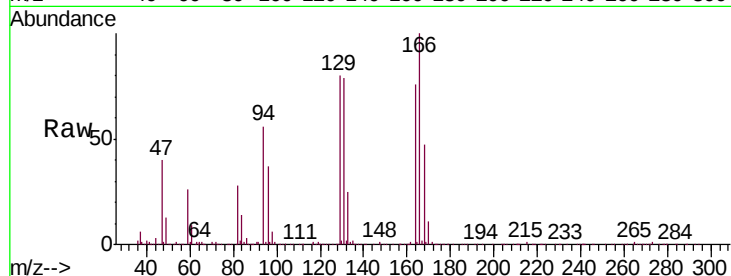
Ion Ratio Lower Upper

164 100

129 104.8 74.6 138.6

131 103.4 69.8 129.6

166 131.5 94.5 175.5

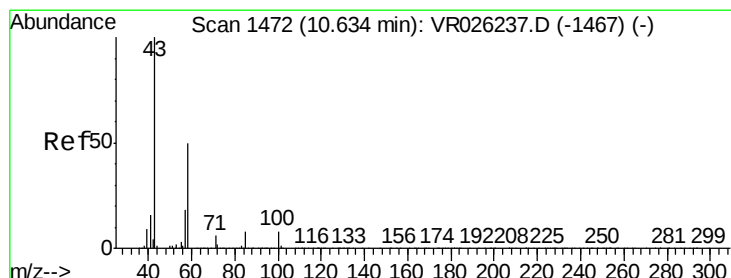
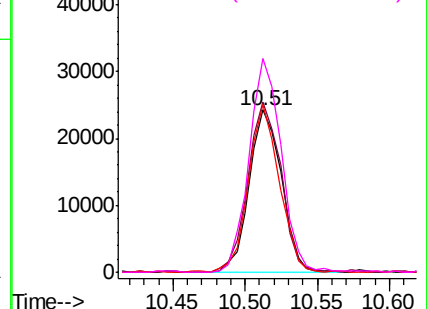
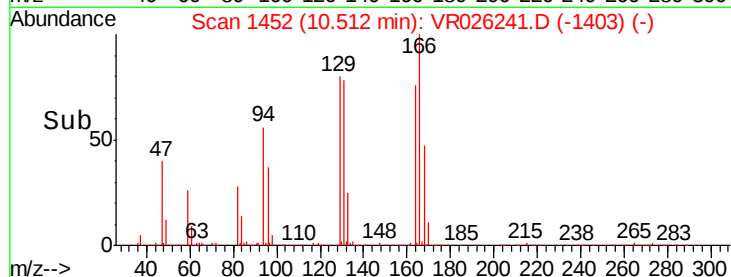


Abundance Ion 163.90 (163.60 to 164.60): V

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: 3.060 ug/L

RT: 10.59 min Scan# 1465

Delta R.T. -0.04 min

Lab File: VR026241.D

Acq: 20 Nov 2018 22:42

Tgt Ion: 43 Resp: 20180

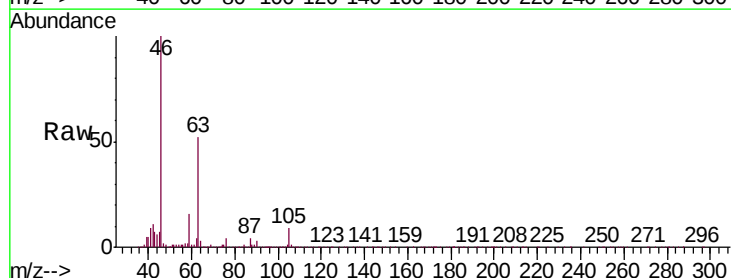
Ion Ratio Lower Upper

43 100

58 27.7 41.3 61.9#

57 31.3 14.5 21.7#

100 3.8 7.5 11.3#

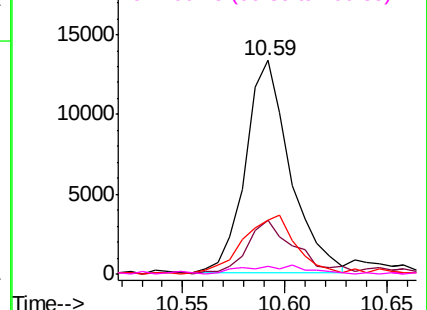
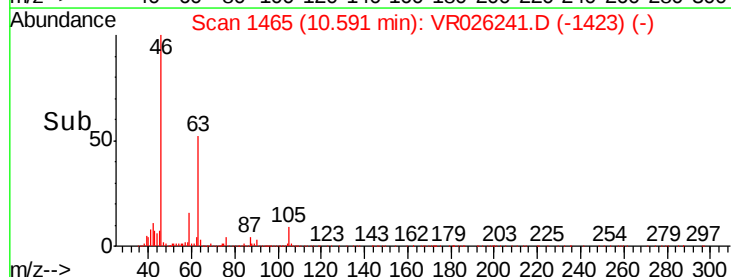


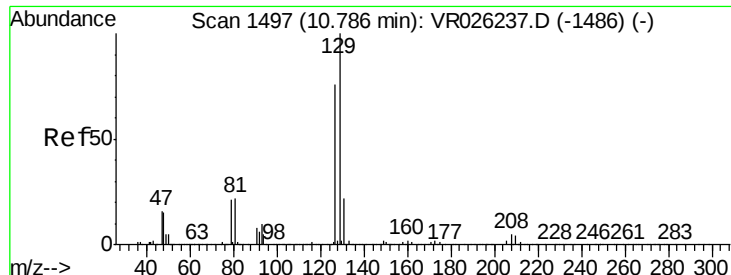
Abundance Ion 43.05 (42.75 to 43.75): VR0

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: 1.816 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. -0.27 min

Lab File: VR026241.D

Acq: 20 Nov 2018 22:42

Instrument :

MSVOA_R

ClientSampleId :

H0FK1

Tgt Ion:129 Resp: 33546

Ion Ratio Lower Upper

129 100

127 0.2 52.8 98.0#

