

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR062218\
 Data File : VR025421.D
 Acq On : 22 Jun 2018 19:12
 Operator : SY/MD
 Sample : J3674-07
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 DAZB7

Quant Time: Jun 22 22:40:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR061518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jun 22 22:38:28 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	512698	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	440917	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	148884	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.14	65	60522	3.46	ug/L	-0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.20%
7) Chloroethane-d5	2.64	69	51157	3.99	ug/L	0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	79.80%
11) 1,1-Dichloroethene-d2	3.64	63	141619	3.15	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.00%
20) 2-Butanone-d5	6.60	46	310080	66.24	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	132.48%#
24) Chloroform-d	7.20	84	329233	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
26) 1,2-Dichloroethane-d4	7.89	65	136999	5.49	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.80%
32) Benzene-d6	7.86	84	668180	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.40%
36) 1,2-Dichloropropane-d6	8.90	67	222066	5.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.60%
41) Toluene-d8	9.97	98	559203	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.60%
43) trans-1,3-Dichloropropene-	10.24	79	39263	3.47	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	69.40%
46) 2-Hexanone-d5	10.59	63	250201	63.78	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	127.56%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	101066	6.12	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	122.40%#
64) 1,2-Dichlorobenzene-d4	13.51	152	141090	5.59	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.80%

Target Compounds

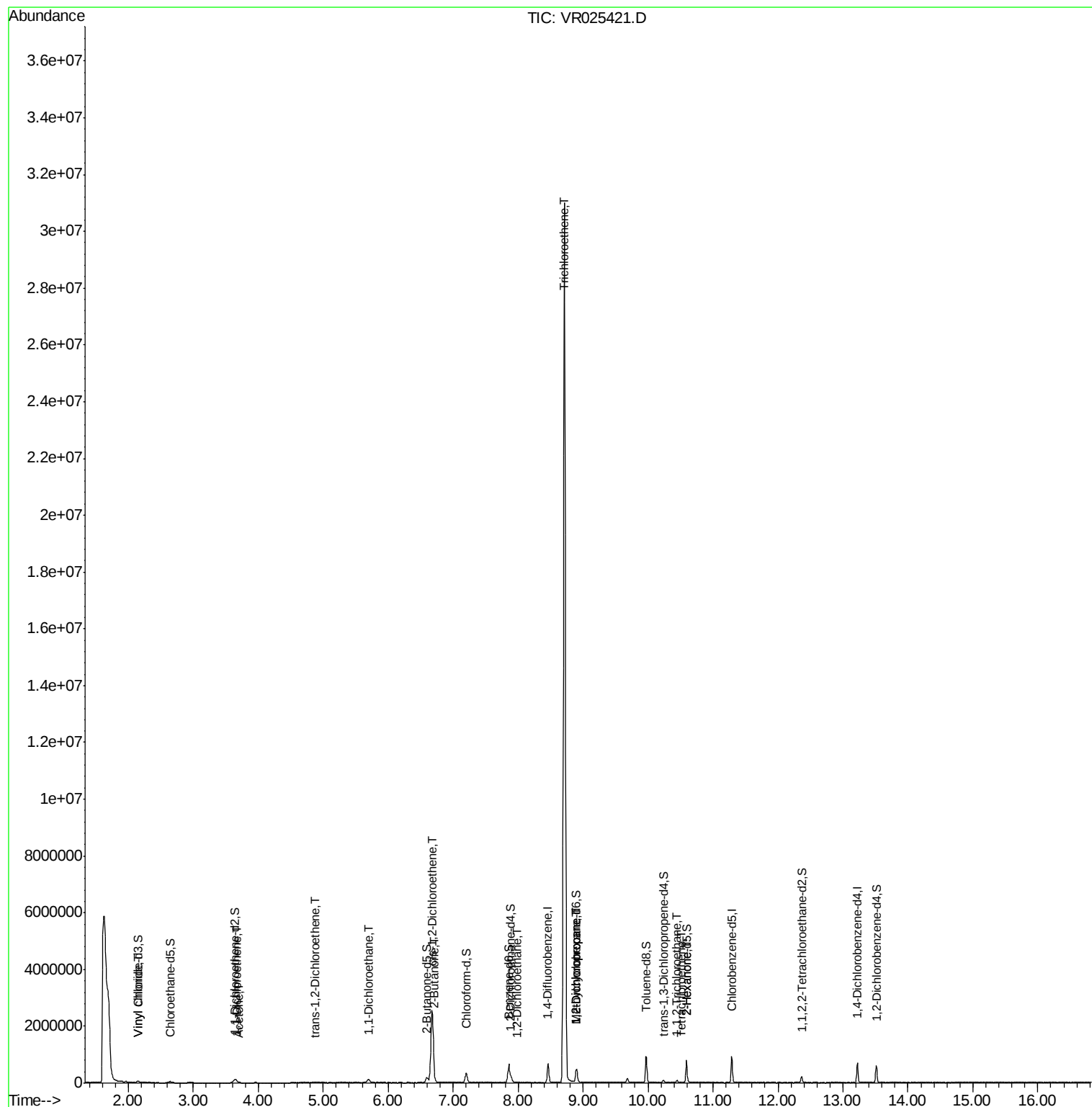
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl chloride	2.15	62	23992	1.130	ug/L	84
12) 1,1-Dichloroethene	3.67	96	21836	1.212	ug/L	69
13) Acetone	3.71	43	4130	1.954	ug/L	86
18) trans-1,2-Dichloroethene	4.89	96	13017	0.351	ug/L	88
19) 1,1-Dichloroethane	5.70	63	172466	2.478	ug/L	98
21) 2-Butanone	6.71	43	1034	0.207	ug/L #	49
22) cis-1,2-Dichloroethene	6.68	96	1573861	40.709	ug/L	93
27) 1,2-Dichloroethane	8.00	62	7732	0.266	ug/L #	82
34) Trichloroethene	8.71	95	10243227	244.568	ug/L	93
35) Methylcyclohexane	8.90	83	50597	0.766	ug/L #	16
37) 1,2-Dichloropropane	8.90	63	22188	0.577	ug/L #	95
45) 1,1,2-Trichloroethane	10.44	97	19963	1.117	ug/L	97
47) Tetrachloroethene	10.50	164	6274	0.224	ug/L #	68
48) 2-Hexanone	10.59	43	32100	4.044	ug/L #	69

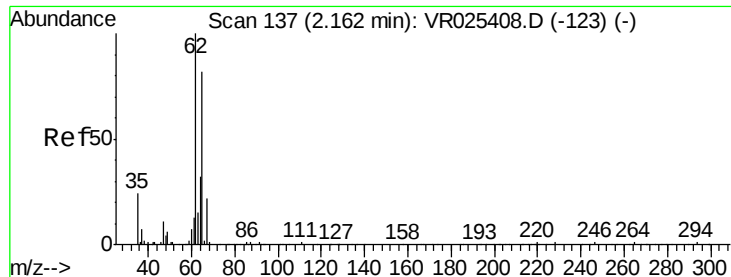
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 1.130 ug/L

RT: 2.15 min Scan# 135

Delta R.T. -0.01 min

Lab File: VR025421.D

Acq: 22 Jun 2018 19:12

Instrument :

MSVOA_R

ClientSampleId :

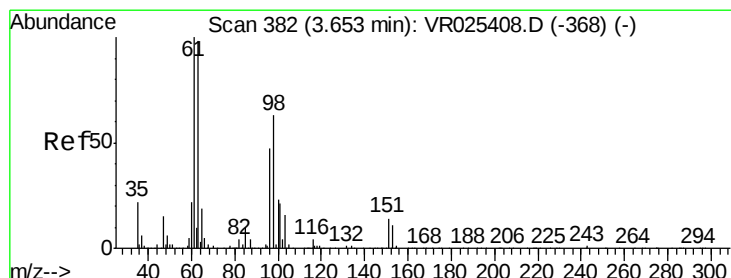
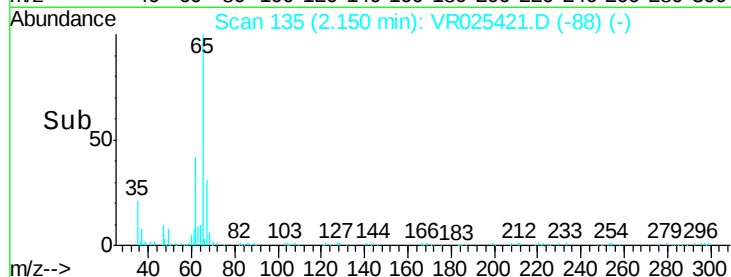
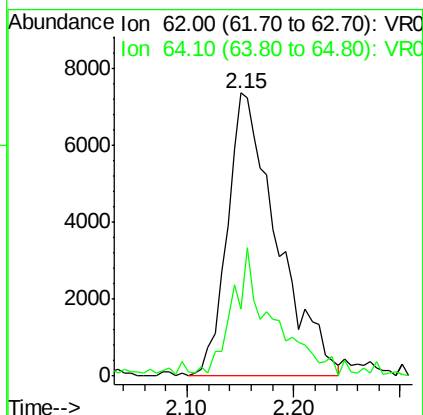
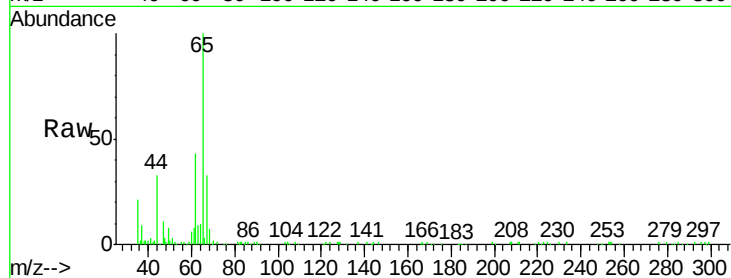
DAZB7

Tgt Ion: 62 Resp: 23992

Ion Ratio Lower Upper

62 100

64 23.6 22.8 42.4



#12

1,1-Dichloroethene

Concen: 1.212 ug/L

RT: 3.67 min Scan# 385

Delta R.T. 0.02 min

Lab File: VR025421.D

Acq: 22 Jun 2018 19:12

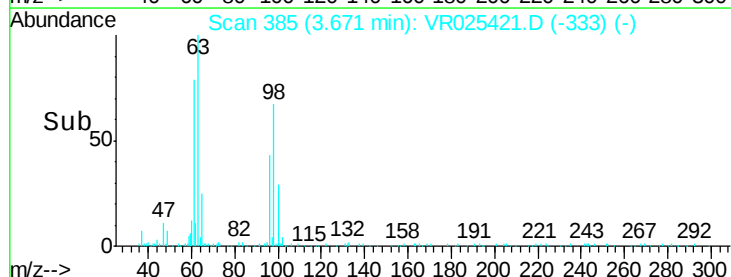
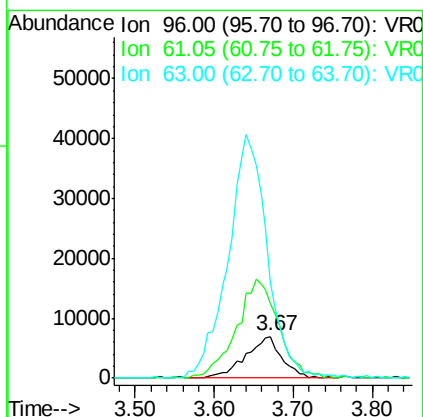
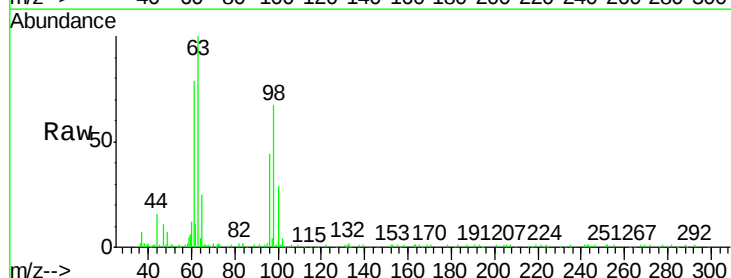
Tgt Ion: 96 Resp: 21836

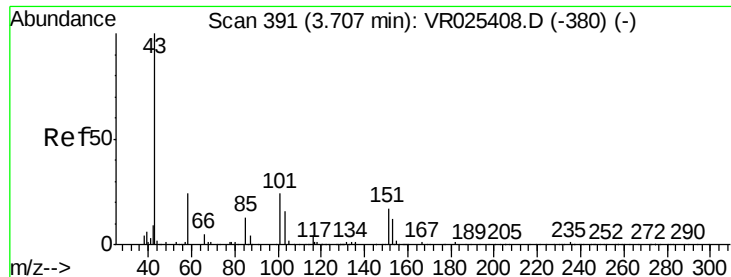
Ion Ratio Lower Upper

96 100

61 179.3 155.0 287.9

63 225.7 122.3 227.1





#13

Acetone

Concen: 1.954 ug/L

RT: 3.71 min Scan# 391

Delta R.T. 0.00 min

Lab File: VR025421.D

Acq: 22 Jun 2018 19:12

Instrument :

MSVOA_R

ClientSampleId :

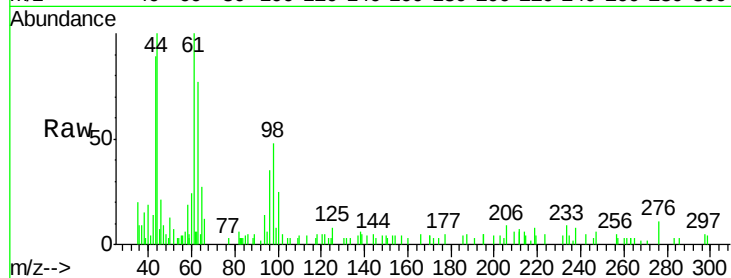
DAZB7

Tgt Ion: 43 Resp: 4130

Ion Ratio Lower Upper

43 100

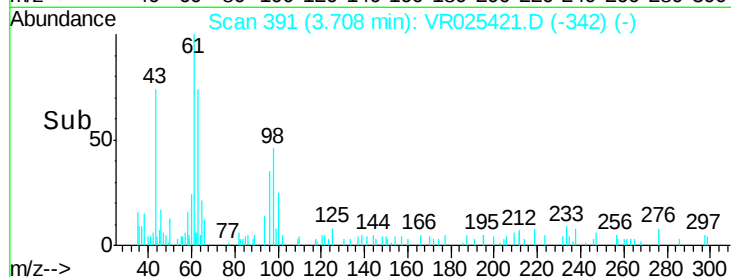
58 27.5 0.0 41.6



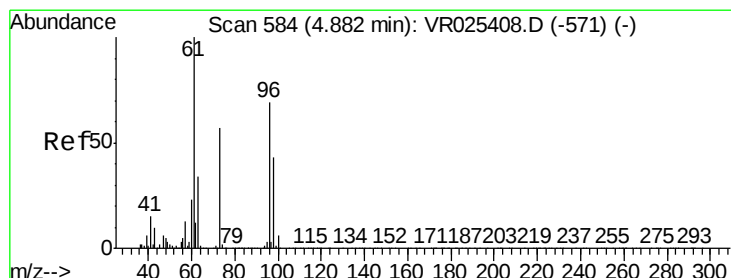
Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Time-->



Time-->



#18

trans-1,2-Dichloroethene

Concen: 0.351 ug/L

RT: 4.89 min Scan# 585

Delta R.T. 0.01 min

Lab File: VR025421.D

Acq: 22 Jun 2018 19:12

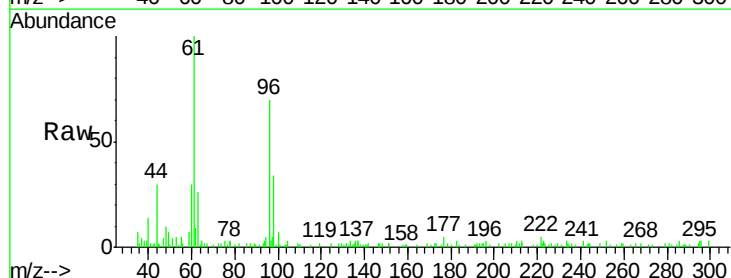
Tgt Ion: 96 Resp: 13017

Ion Ratio Lower Upper

96 100

61 138.0 104.4 193.8

98 46.9 43.1 80.1

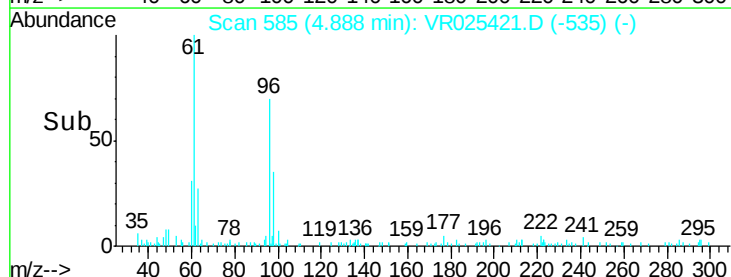


Abundance Ion 96.00 (95.70 to 96.70): VR0

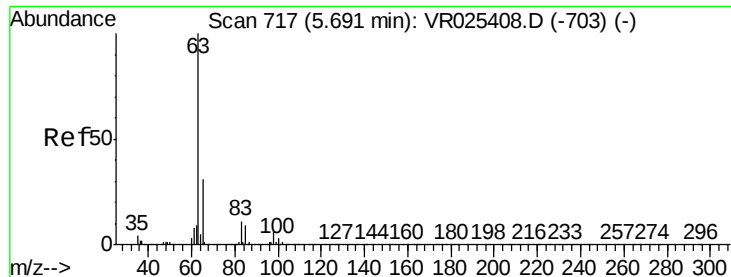
Ion 61.05 (60.75 to 61.75): VR0

Ion 97.95 (97.65 to 98.65): VR0

Time-->



Time-->



#19

1,1-Dichloroethane

Concen: 2.478 ug/L

RT: 5.70 min Scan# 718

Delta R.T. 0.01 min

Lab File: VR025421.D

Acq: 22 Jun 2018 19:12

Instrument :

MSVOA_R

ClientSampleId :

DAZB7

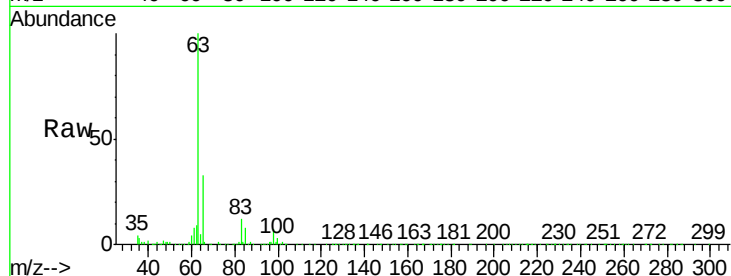
Tgt Ion: 63 Resp: 172466

Ion Ratio Lower Upper

63 100

65 33.0 22.5 41.7

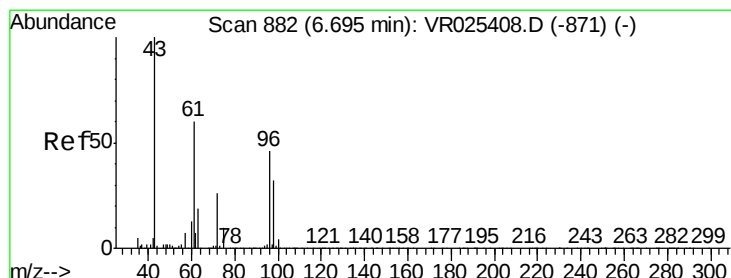
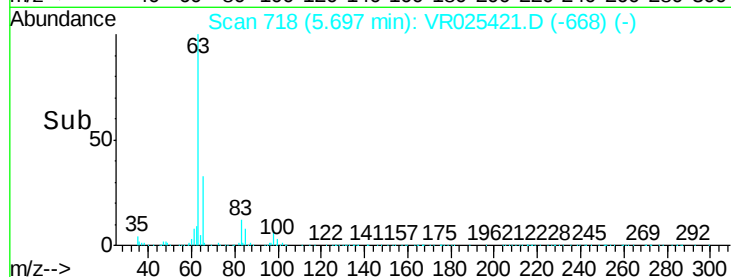
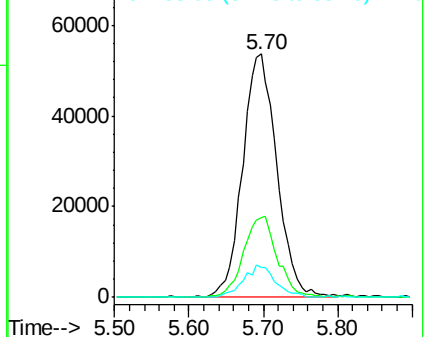
83 12.2 9.5 17.7



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



#21

2-Butanone

Concen: 0.207 ug/L

RT: 6.71 min Scan# 884

Delta R.T. 0.01 min

Lab File: VR025421.D

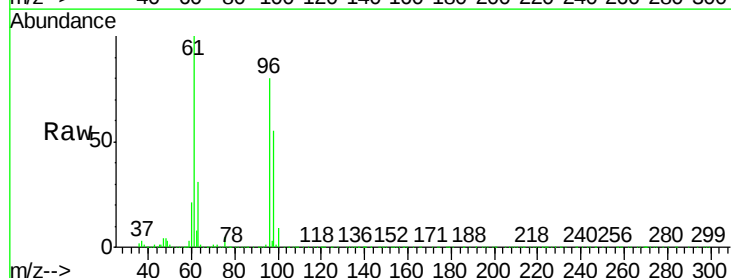
Acq: 22 Jun 2018 19:12

Tgt Ion: 43 Resp: 1034

Ion Ratio Lower Upper

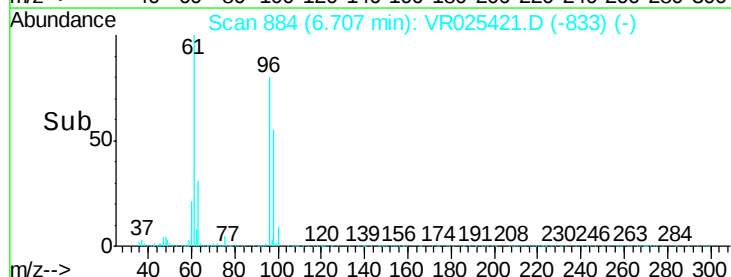
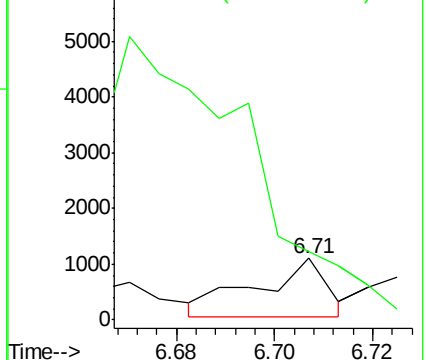
43 100

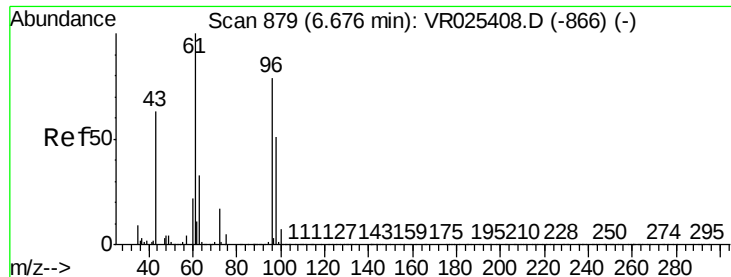
72 0.0 13.0 38.9#



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 72.10 (71.80 to 72.80): VR0



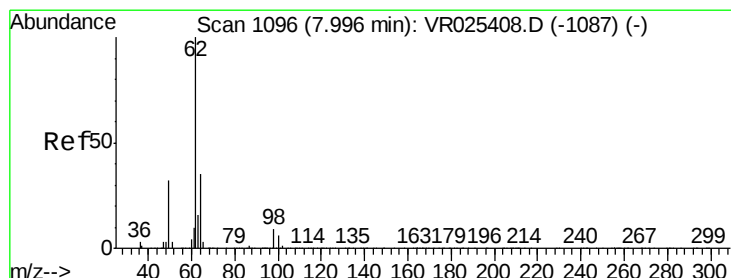
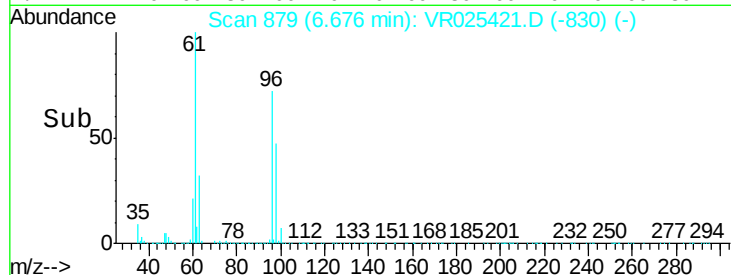
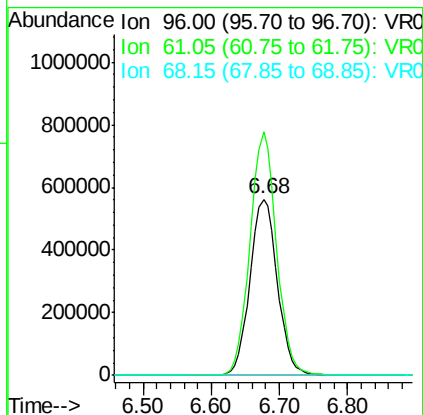
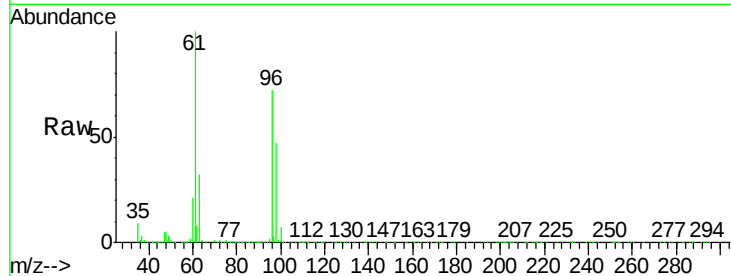


#22

cis-1,2-Dichloroethene
Concen: 40.709 ug/L
RT: 6.68 min Scan# 879
Delta R.T. 0.00 min
Lab File: VR025421.D
Acq: 22 Jun 2018 19:12

Instrument :
MSVOA_R
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DAZB7

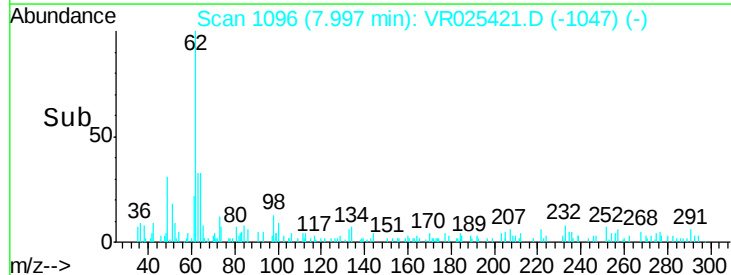
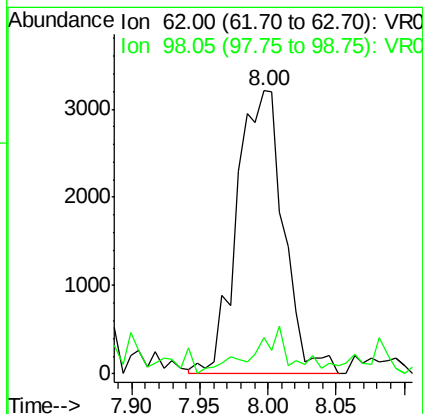
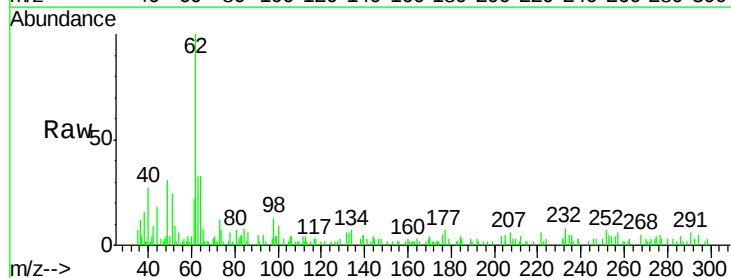
Tgt Ion: 96 Resp: 1573861
Ion Ratio Lower Upper
96 100
61 138.4 91.0 169.0
68 0.0 0.0 0.0

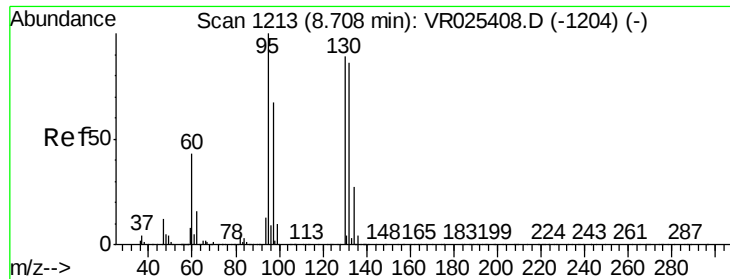


#27

1,2-Dichloroethane
Concen: 0.266 ug/L
RT: 8.00 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VR025421.D
Acq: 22 Jun 2018 19:12

Tgt Ion: 62 Resp: 7732
Ion Ratio Lower Upper
62 100
98 13.0 5.4 8.2#





#34

Trichloroethene

Concen: 244.568 ug/L

RT: 8.71 min Scan# 1214

Delta R.T. 0.01 min

Lab File: VR025421.D

Acq: 22 Jun 2018 19:12

Instrument :

MSVOA_R

ClientSampleId :

DAZB7

Tgt Ion: 95 Resp:10243227

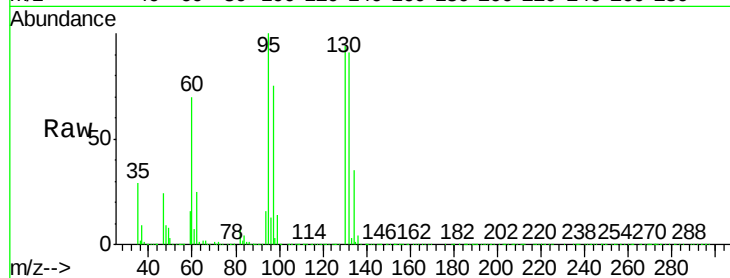
Ion Ratio Lower Upper

95 100

97 75.1 45.6 84.6

132 91.4 60.9 113.1

130 93.9 62.0 115.2

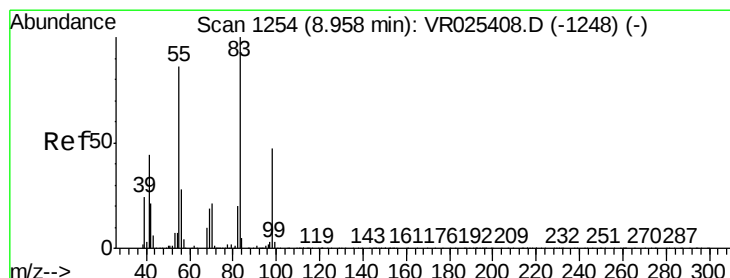
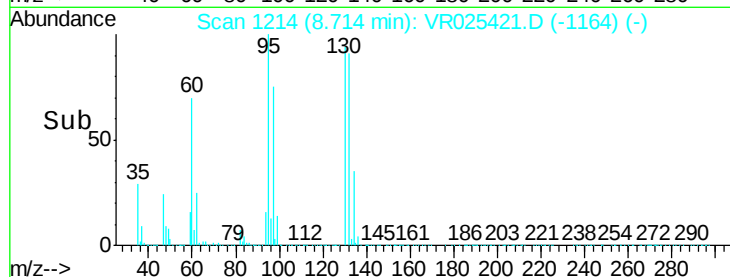
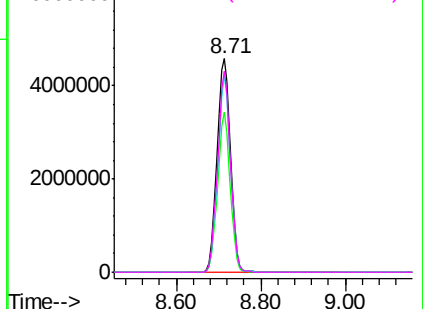


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 0.766 ug/L

RT: 8.90 min Scan# 1244

Delta R.T. -0.06 min

Lab File: VR025421.D

Acq: 22 Jun 2018 19:12

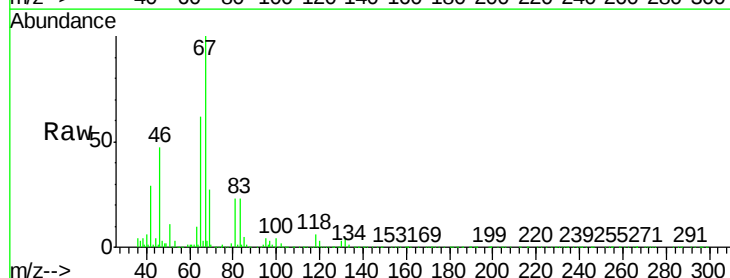
Tgt Ion: 83 Resp: 50597

Ion Ratio Lower Upper

83 100

55 0.5 66.1 99.1#

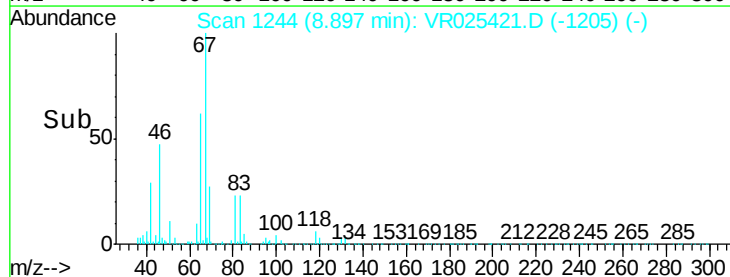
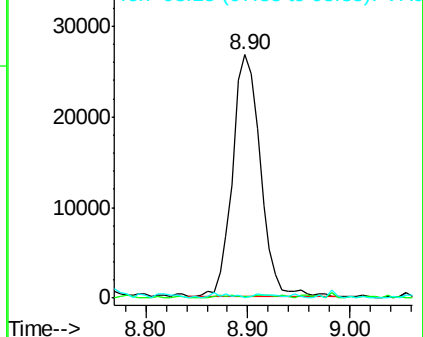
98 0.0 36.2 54.4#

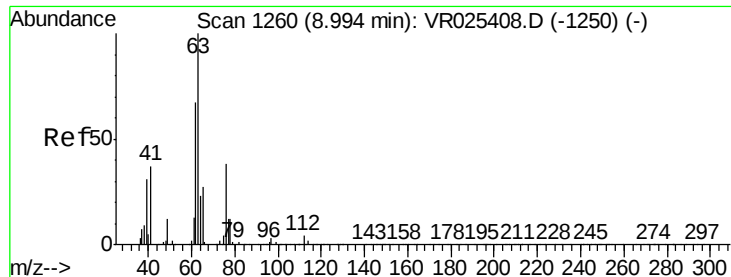


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

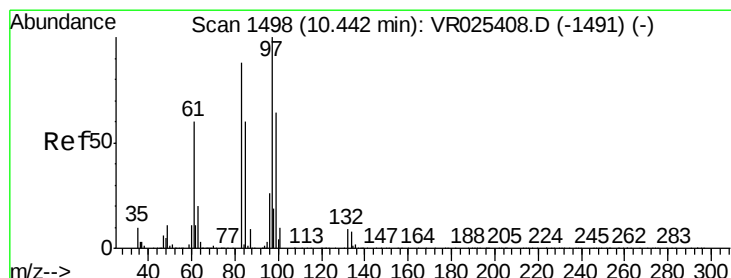
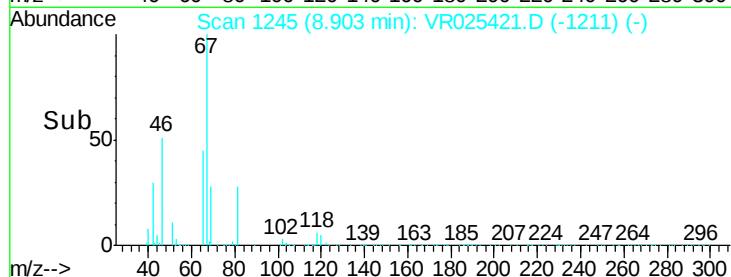
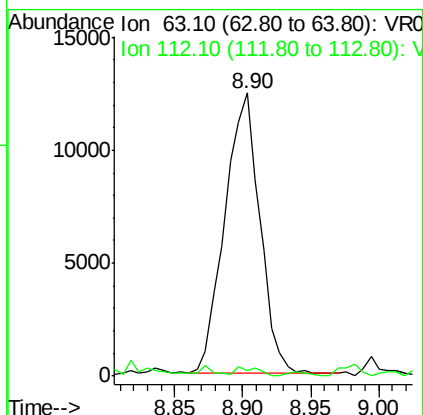
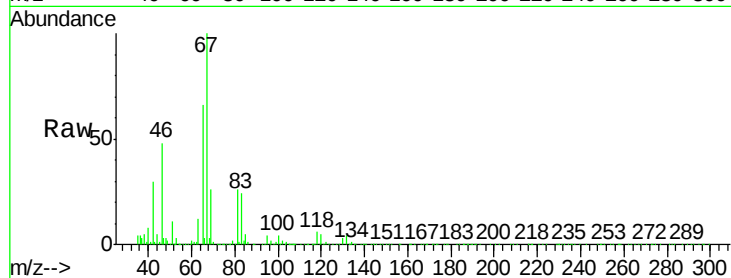




#37
 1,2-Dichloropropane
 Concen: 0.577 ug/L
 RT: 8.90 min Scan# 1245
 Delta R.T. -0.09 min
 Lab File: VR025421.D
 Acq: 22 Jun 2018 19:12

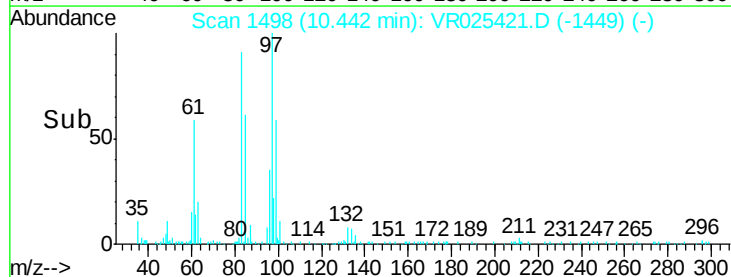
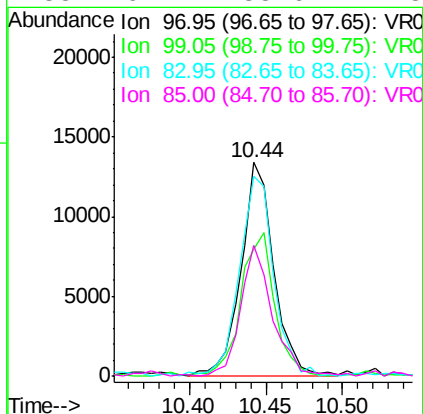
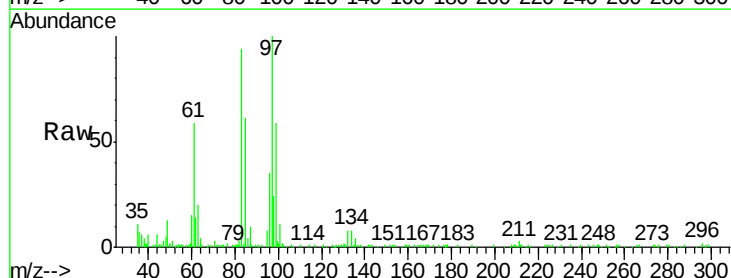
Instrument :
 MSVOA_R
 ClientSampleId :
 DAZB7

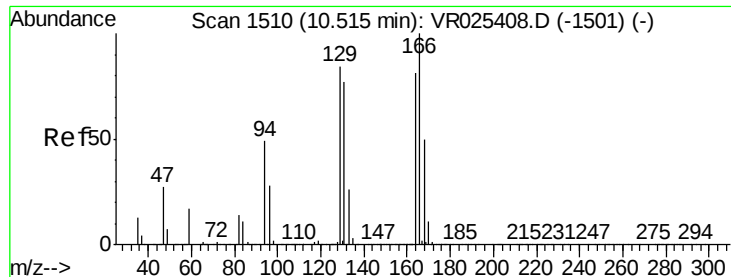
Tgt Ion: 63 Resp: 22188
 Ion Ratio Lower Upper
 63 100
 112 2.1 2.9 4.3#



#45
 1,1,2-Trichloroethane
 Concen: 1.117 ug/L
 RT: 10.44 min Scan# 1498
 Delta R.T. 0.00 min
 Lab File: VR025421.D
 Acq: 22 Jun 2018 19:12

Tgt Ion: 97 Resp: 19963
 Ion Ratio Lower Upper
 97 100
 99 59.3 41.9 77.9
 83 93.5 64.5 119.9
 85 61.2 38.6 71.8





#47

Tetrachloroethene

Concen: 0.224 ug/L

RT: 10.50 min Scan# 1508

Delta R.T. -0.01 min

Lab File: VR025421.D

Acq: 22 Jun 2018 19:12

Instrument :

MSVOA_R

ClientSampleId :

DAZB7

Tgt Ion:164 Resp: 6274

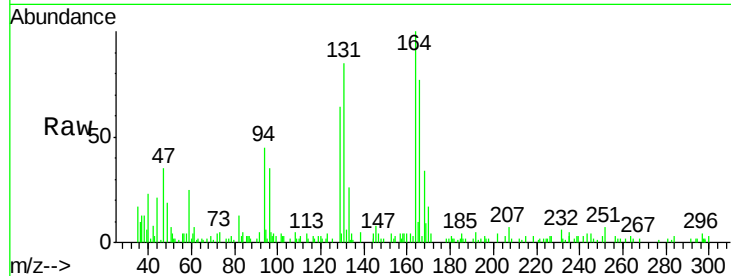
Ion Ratio Lower Upper

164 100

129 63.7 68.1 126.5#

131 85.1 68.5 127.1

166 76.7 89.9 166.9#

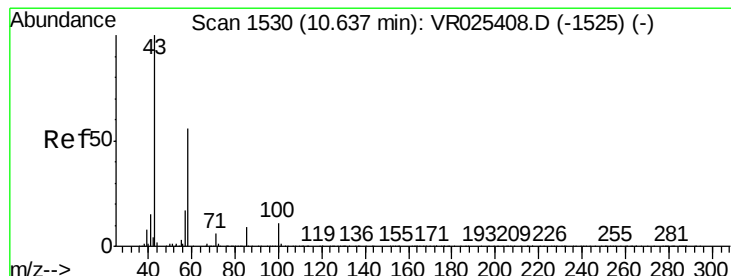
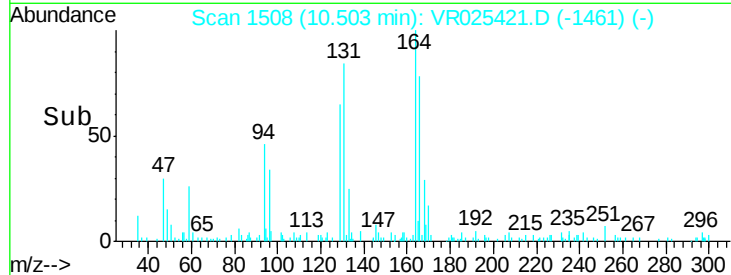
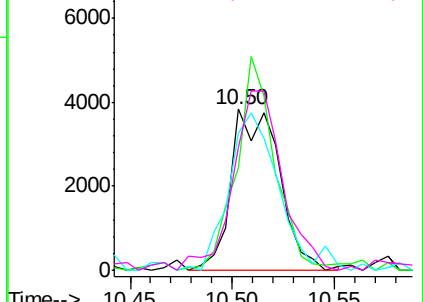


Abundance Ion 163.90 (163.60 to 164.60): V

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: 4.044 ug/L

RT: 10.59 min Scan# 1522

Delta R.T. -0.05 min

Lab File: VR025421.D

Acq: 22 Jun 2018 19:12

Tgt Ion: 43 Resp: 32100

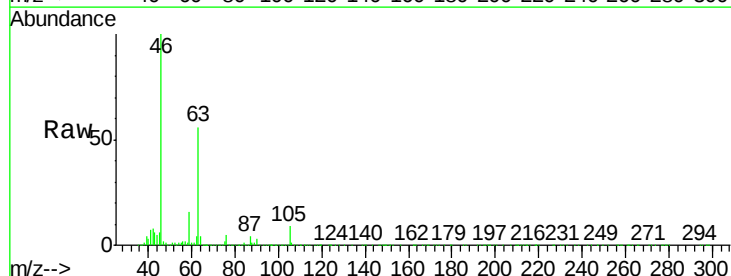
Ion Ratio Lower Upper

43 100

58 26.6 43.1 64.7#

57 27.4 15.3 22.9#

100 4.4 7.9 11.9#



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

