

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR062518\
 Data File : VR025427.D
 Acq On : 25 Jun 2018 13:40
 Operator : SY/MD
 Sample : J3674-08
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 DAZB8

Quant Time: Jun 26 01:43:38 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	530613	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	431366	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	144670	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	61092	3.38	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	67.60%
7) Chloroethane-d5	2.64	69	55325	4.16	ug/L	0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.20%
11) 1,1-Dichloroethene-d2	3.64	63	173384	3.73	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.60%
20) 2-Butanone-d5	6.61	46	271919	56.13	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.26%
24) Chloroform-d	7.20	84	339077	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
26) 1,2-Dichloroethane-d4	7.90	65	138902	5.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.40%
32) Benzene-d6	7.86	84	679879	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
36) 1,2-Dichloropropane-d6	8.90	67	212000	5.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.00%
41) Toluene-d8	9.97	98	562460	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
43) trans-1,3-Dichloropropene-	10.24	79	45392	4.10	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.00%
46) 2-Hexanone-d5	10.59	63	231988	60.44	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	120.88%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	97710	6.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	120.80%#
64) 1,2-Dichlorobenzene-d4	13.51	152	138284	5.64	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	112.80%

Target Compounds

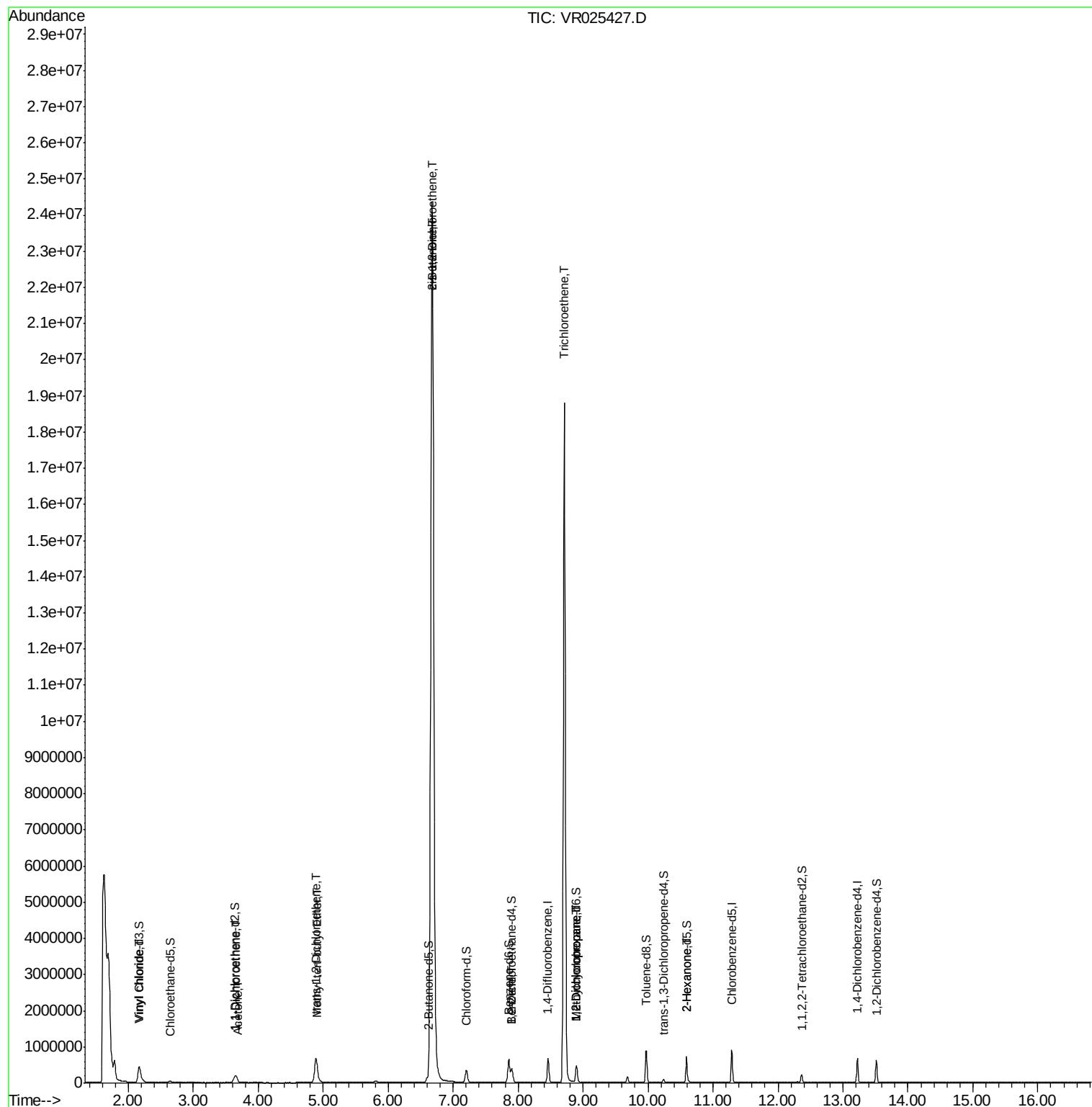
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl chloride	2.16	62	767987	34.954	ug/L	97
12) 1,1-Dichloroethene	3.66	96	80192	4.299	ug/L	90
13) Acetone	3.69	43	1833	0.838	ug/L	96
17) Methyl tert-butyl Ether	4.91	73	47836	0.860	ug/L	94
18) trans-1,2-Dichloroethene	4.89	96	439847	11.471	ug/L	98
21) 2-Butanone	6.69	43	1938	0.375	ug/L #	1
22) cis-1,2-Dichloroethene	6.68	96	14768727	369.107	ug/L #	99
33) Benzene	7.91	78	246860	1.458	ug/L	100
34) Trichloroethene	8.71	95	6648370	162.251	ug/L	97
35) Methylcyclohexane	8.90	83	50137	0.775	ug/L #	17
37) 1,2-Dichloropropane	8.90	63	20885	0.555	ug/L #	95
48) 2-Hexanone	10.59	43	26791	3.450	ug/L #	70

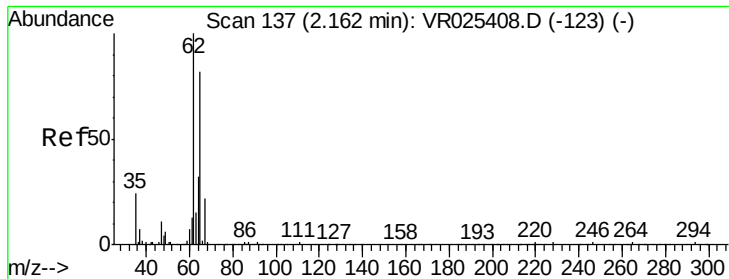
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 34.954 ug/L

RT: 2.16 min Scan# 137

Delta R.T. 0.00 min

Lab File: VR025427.D

Acq: 25 Jun 2018 13:40

Instrument :

MSVOA_R

ClientSampleId :

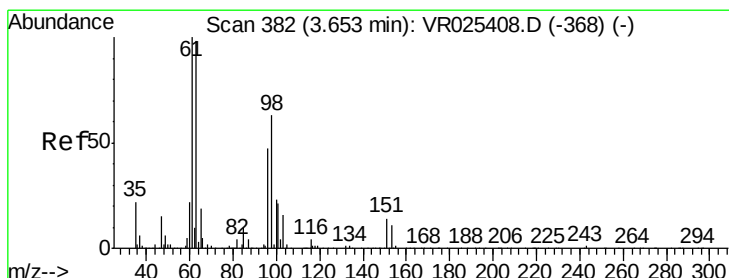
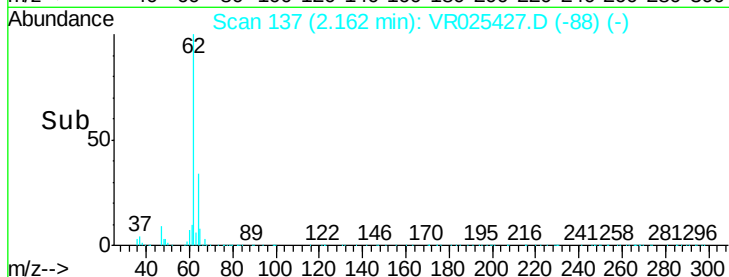
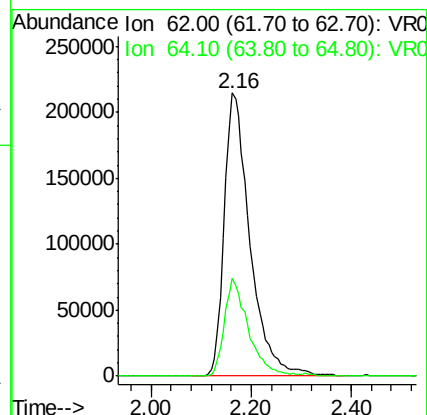
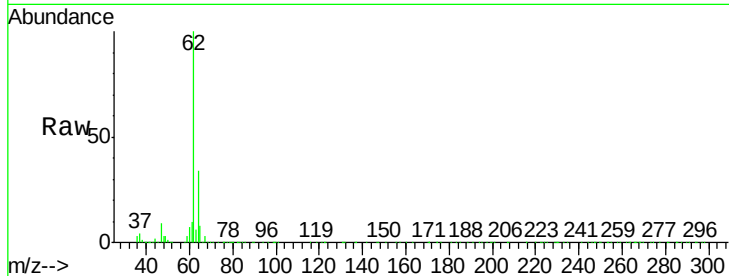
DAZB8

Tgt Ion: 62 Resp: 767987

Ion Ratio Lower Upper

62 100

64 34.3 22.8 42.4



#12

1,1-Dichloroethene

Concen: 4.299 ug/L

RT: 3.66 min Scan# 383

Delta R.T. 0.01 min

Lab File: VR025427.D

Acq: 25 Jun 2018 13:40

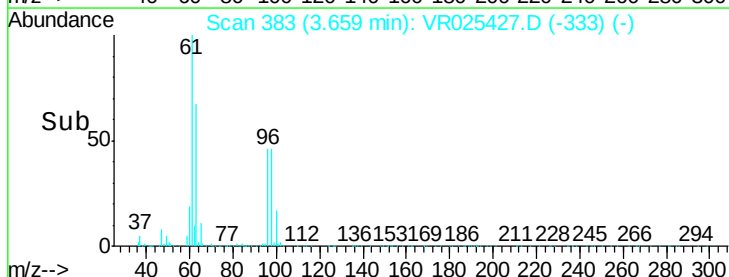
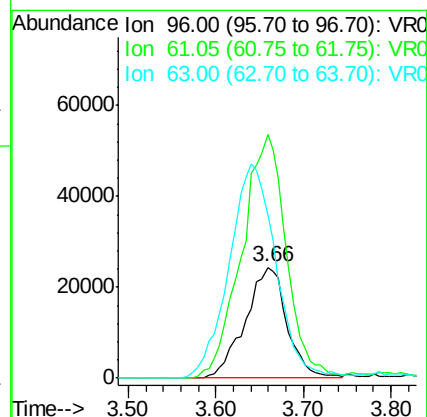
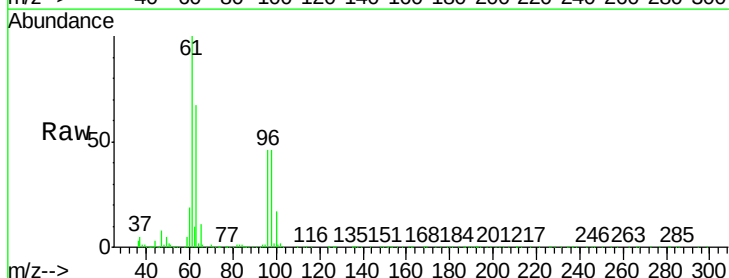
Tgt Ion: 96 Resp: 80192

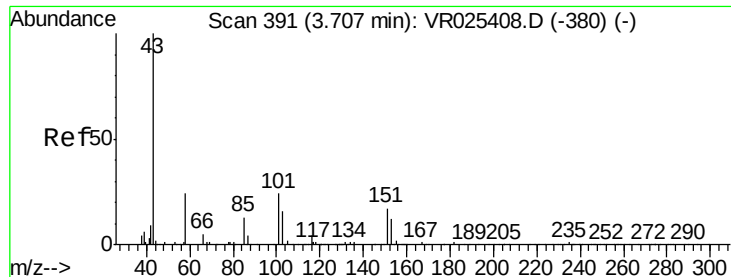
Ion Ratio Lower Upper

96 100

61 219.4 155.0 287.9

63 146.3 122.3 227.1





#13

Acetone

Concen: 0.838 ug/L

RT: 3.69 min Scan# 388

Delta R.T. -0.02 min

Lab File: VR025427.D

Acq: 25 Jun 2018 13:40

Instrument :

MSVOA_R

ClientSampleId :

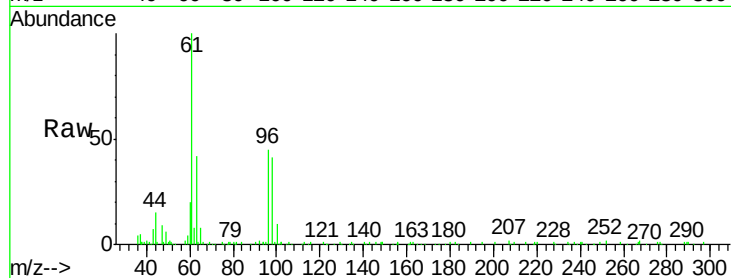
DAZB8

Tgt Ion: 43 Resp: 1833

Ion Ratio Lower Upper

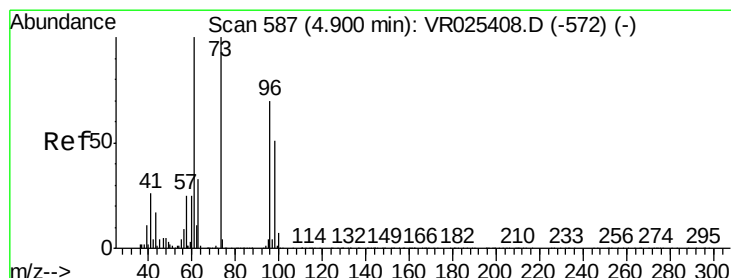
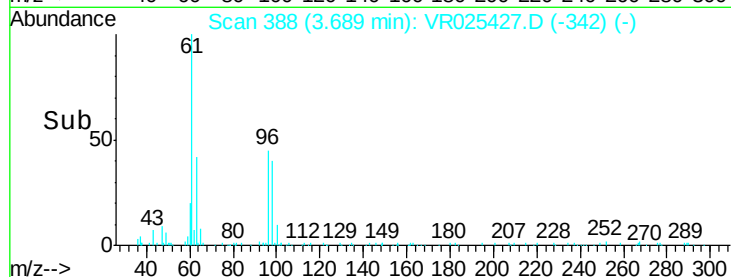
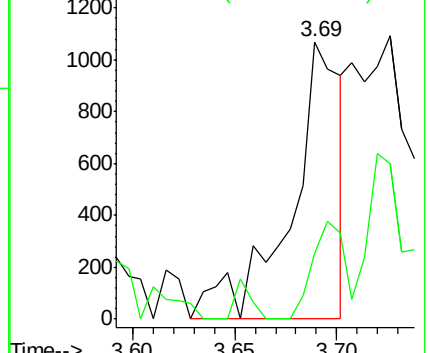
43 100

58 22.5 0.0 41.6



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#17

Methyl tert-butyl Ether

Concen: 0.860 ug/L

RT: 4.91 min Scan# 588

Delta R.T. 0.01 min

Lab File: VR025427.D

Acq: 25 Jun 2018 13:40

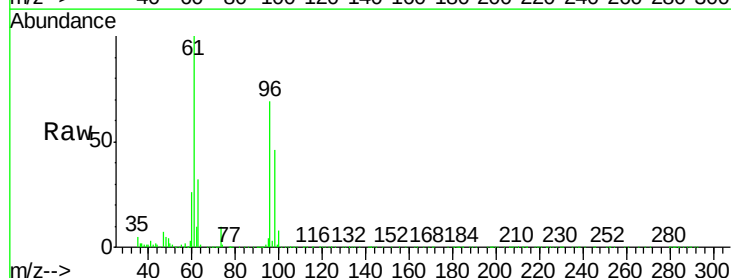
Tgt Ion: 73 Resp: 47836

Ion Ratio Lower Upper

73 100

43 18.5 15.8 23.6

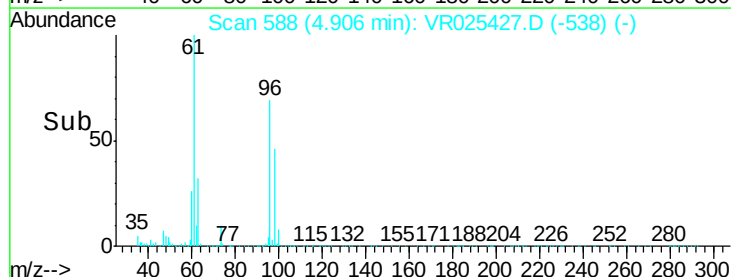
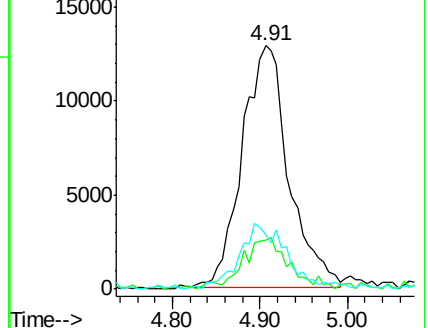
57 27.6 19.0 28.4

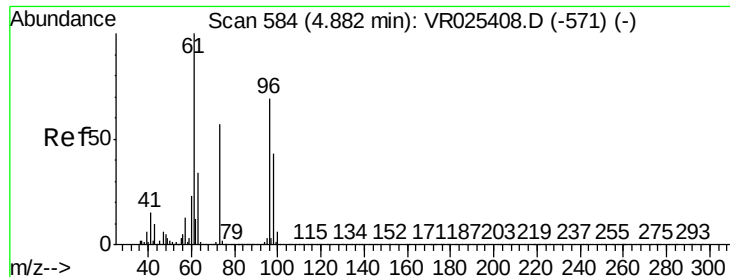


Abundance Ion 73.10 (72.80 to 73.80): VR0

Ion 43.05 (42.75 to 43.75): VR0

Ion 57.10 (56.80 to 57.80): VR0





#18

trans-1,2-Dichloroethene

Concen: 11.471 ug/L

RT: 4.89 min Scan# 585

Delta R.T. 0.01 min

Lab File: VR025427.D

Acq: 25 Jun 2018 13:40

Instrument :

MSVOA_R

ClientSampleId :

DAZB8

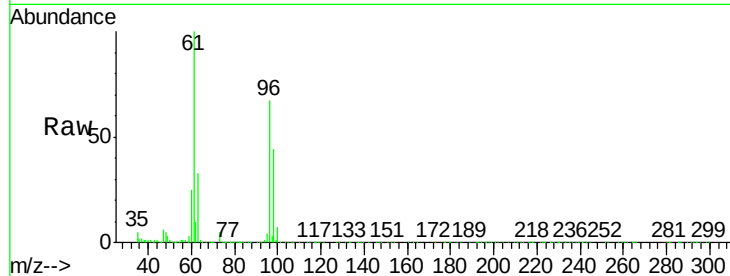
Tgt Ion: 96 Resp: 439847

Ion Ratio Lower Upper

96 100

61 148.7 104.4 193.8

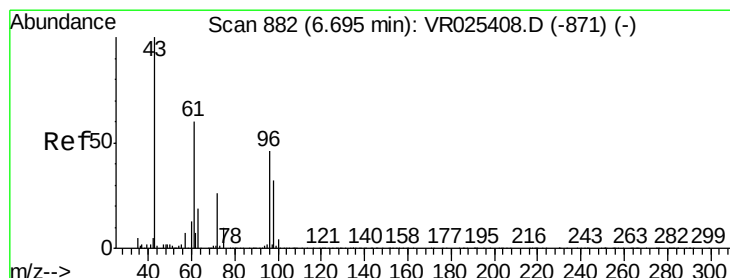
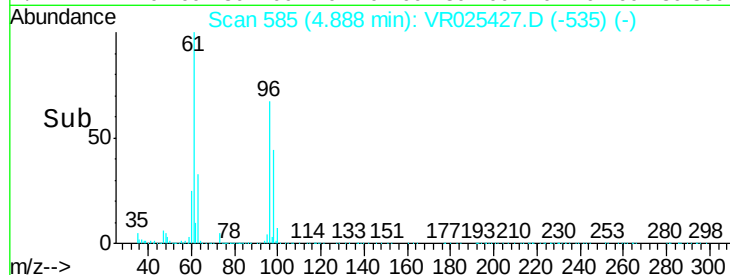
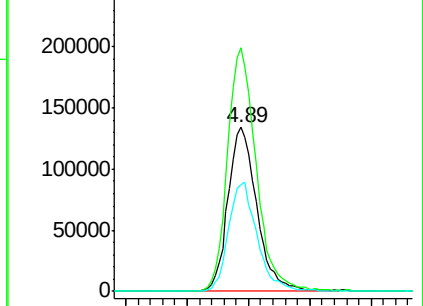
98 64.9 43.1 80.1



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



#21

2-Butanone

Concen: 0.375 ug/L

RT: 6.69 min Scan# 881

Delta R.T. -0.01 min

Lab File: VR025427.D

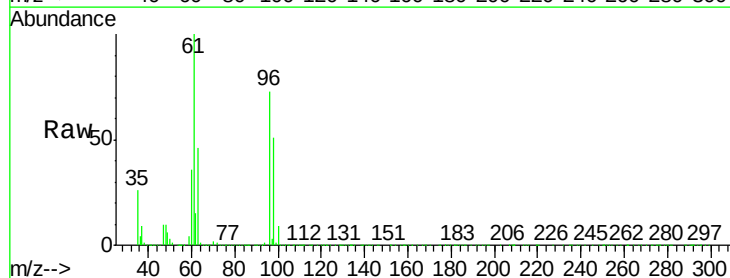
Acq: 25 Jun 2018 13:40

Tgt Ion: 43 Resp: 1938

Ion Ratio Lower Upper

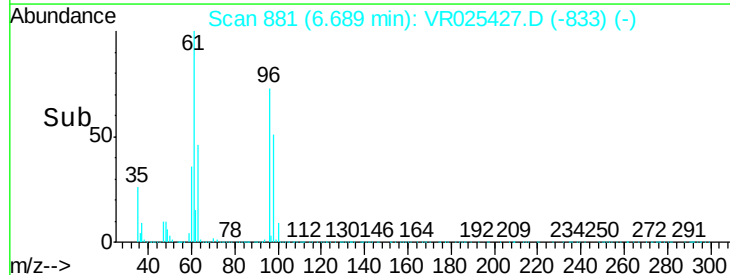
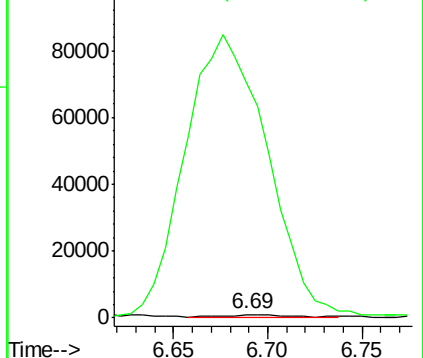
43 100

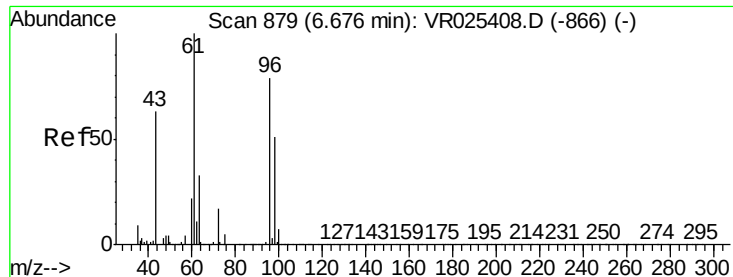
72 13332.0 13.0 38.9#



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 72.10 (71.80 to 72.80): VR0



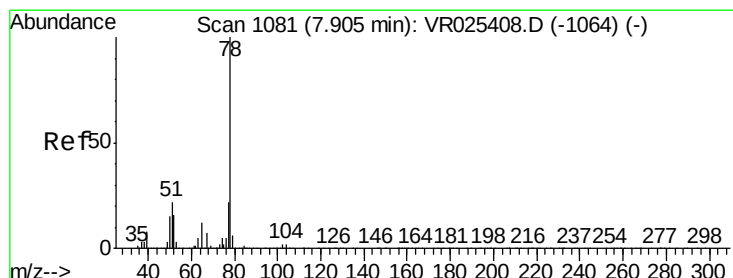
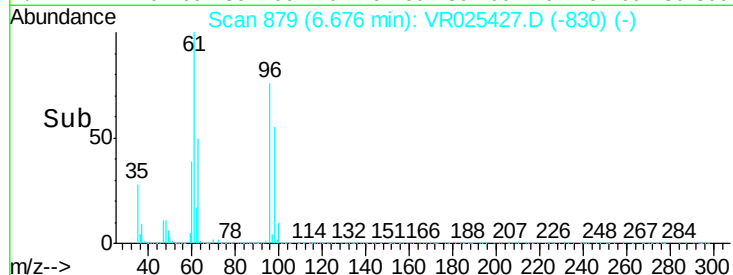
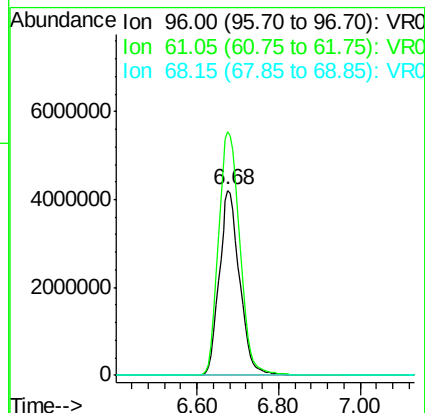
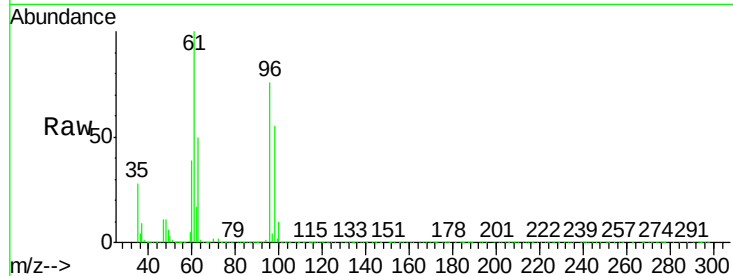


#22

cis-1,2-Dichloroethene
Concen: 369.107 ug/L
RT: 6.68 min Scan# 879
Delta R.T. 0.00 min
Lab File: VR025427.D
Acq: 25 Jun 2018 13:40

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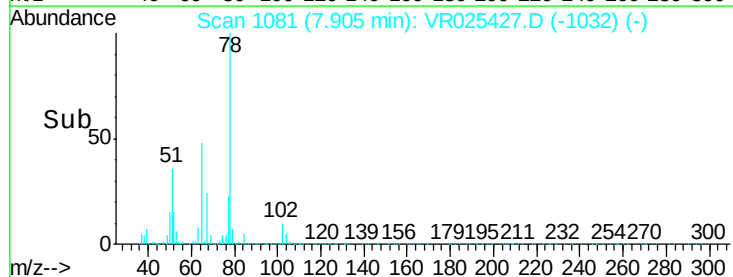
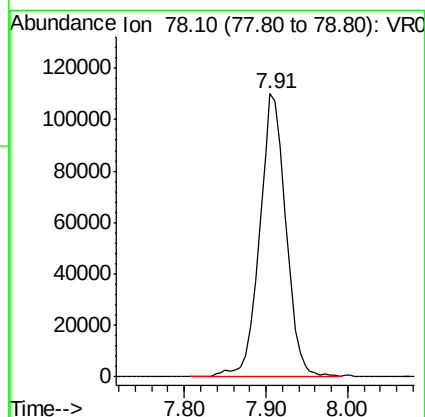
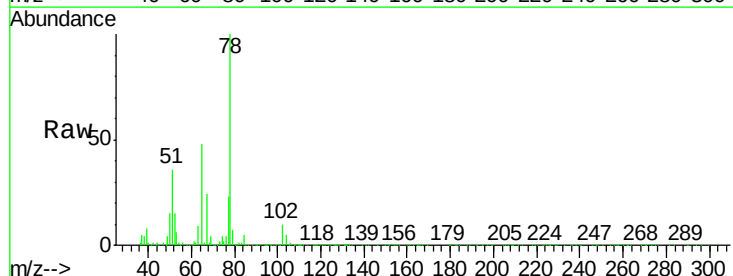
Tgt Ion: 96 Resp:14768727
Ion Ratio Lower Upper
96 100
61 131.3 91.0 169.0
68 0.0 0.0 0.0#

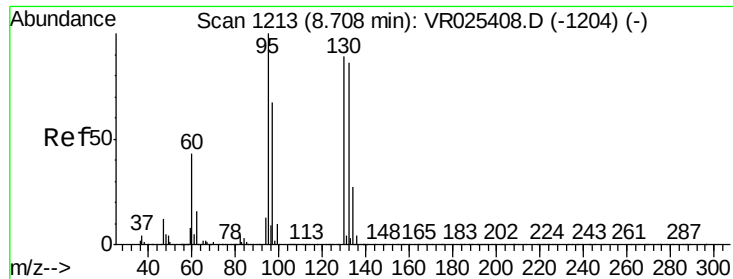


#33

Benzene
Concen: 1.458 ug/L
RT: 7.91 min Scan# 1081
Delta R.T. 0.00 min
Lab File: VR025427.D
Acq: 25 Jun 2018 13:40

Tgt Ion: 78 Resp: 246860

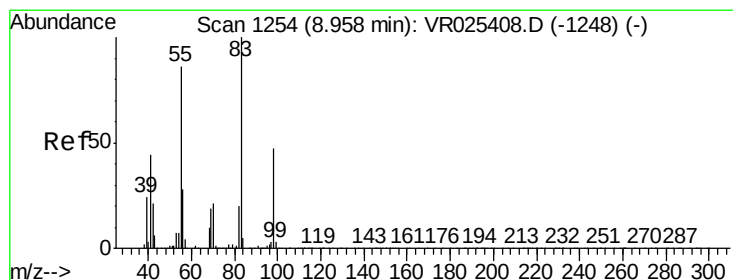
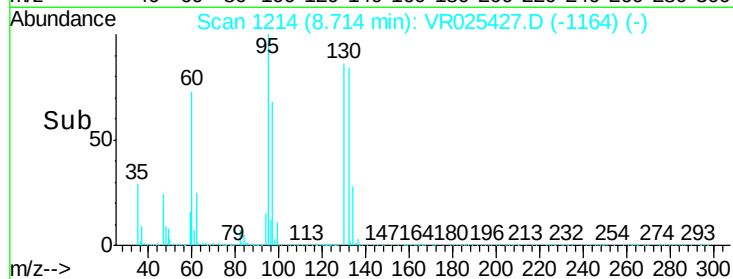
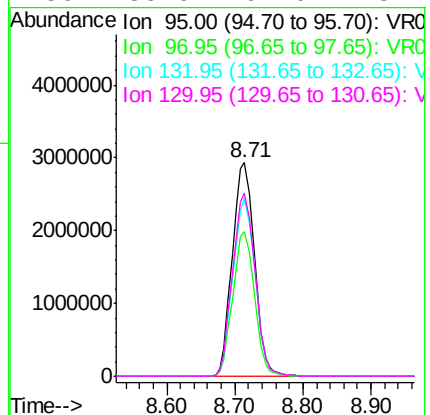
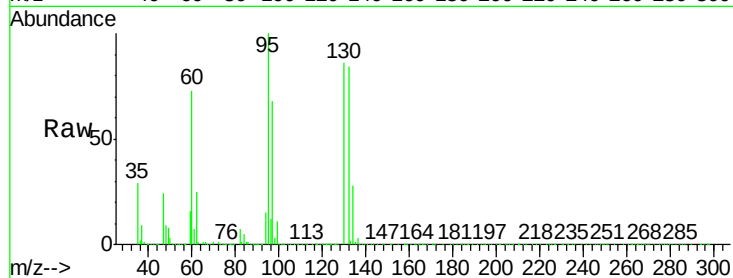




#34
 Trichloroethene
 Concen: 162.251 ug/L
 RT: 8.71 min Scan# 1214
 Delta R.T. 0.01 min
 Lab File: VR025427.D
 Acq: 25 Jun 2018 13:40

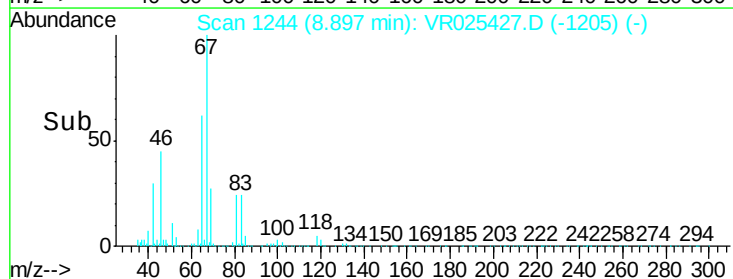
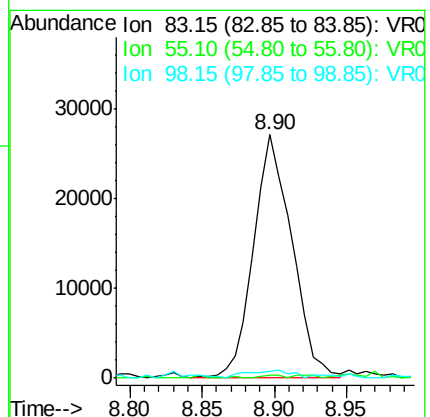
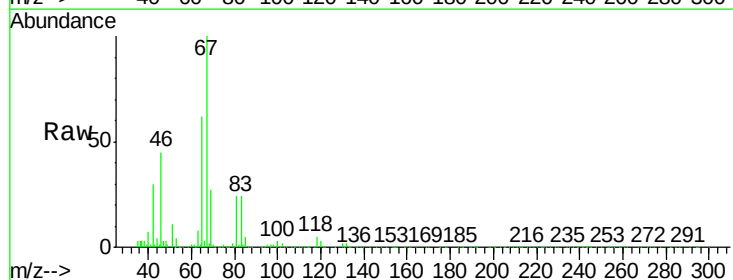
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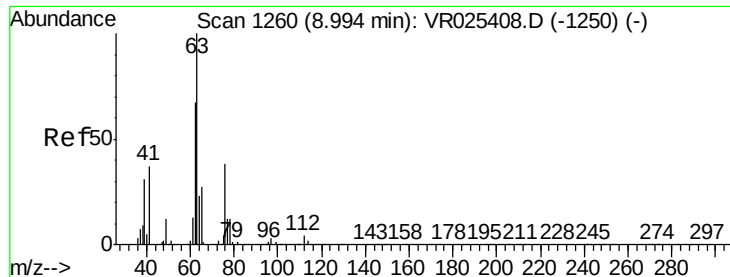
Tgt Ion: 95 Resp: 6648370
 Ion Ratio Lower Upper
 95 100
 97 67.7 45.6 84.6
 132 83.5 60.9 113.1
 130 85.9 62.0 115.2



#35
 Methylcyclohexane
 Concen: 0.775 ug/L
 RT: 8.90 min Scan# 1244
 Delta R.T. -0.06 min
 Lab File: VR025427.D
 Acq: 25 Jun 2018 13:40

Tgt Ion: 83 Resp: 50137
 Ion Ratio Lower Upper
 83 100
 55 0.7 66.1 99.1#
 98 0.0 36.2 54.4#

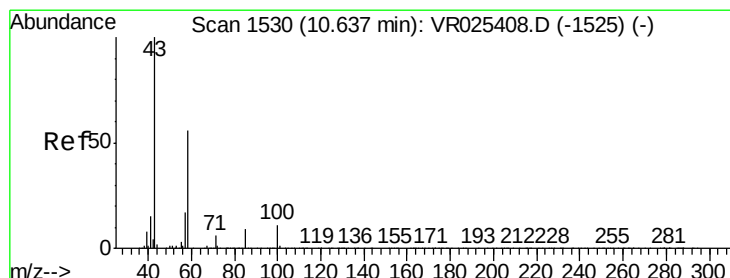
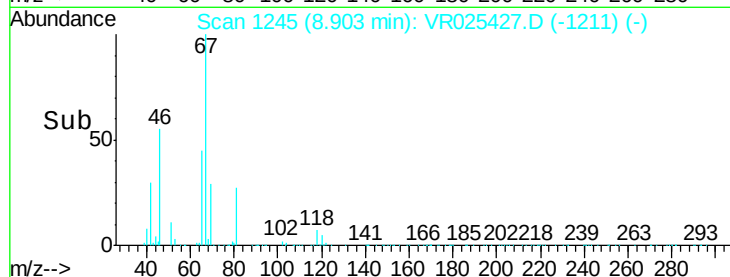
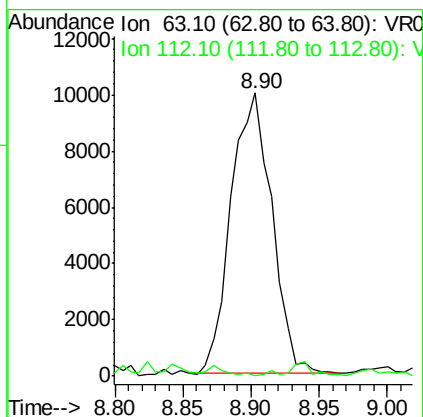
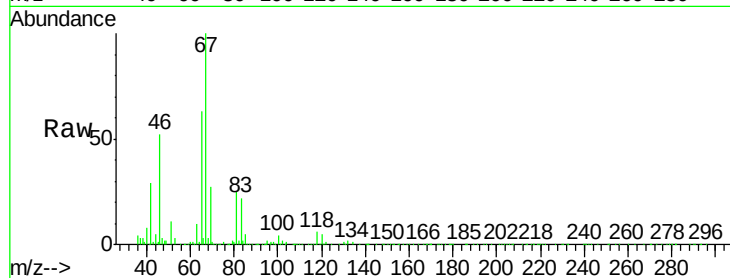




#37
 1,2-Dichloropropane
 Concen: 0.555 ug/L
 RT: 8.90 min Scan# 1245
 Delta R.T. -0.09 min
 Lab File: VR025427.D
 Acq: 25 Jun 2018 13:40

Instrument :
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Tgt Ion: 63 Resp: 20885
 Ion Ratio Lower Upper
 63 100
 112 1.8 2.9 4.3#



#48
 2-Hexanone
 Concen: 3.450 ug/L
 RT: 10.59 min Scan# 1522
 Delta R.T. -0.05 min
 Lab File: VR025427.D
 Acq: 25 Jun 2018 13:40

Tgt Ion: 43 Resp: 26791
 Ion Ratio Lower Upper
 43 100
 58 32.0 43.1 64.7#
 57 35.0 15.3 22.9#
 100 3.2 7.9 11.9#

