

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR080718\
 Data File : VR025582.D
 Acq On : 7 Aug 2018 18:17
 Operator : SY/MD
 Sample : J4358-16
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 ESWX7

Quant Time: Aug 08 02:02:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR073018WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Aug 08 02:00:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.47	114	545011	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	452798	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	153130	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	278241	8.23	ug/L	0.02
Spiked Amount	5.000	Range	40 - 130	Recovery	=	164.60%#
7) Chloroethane-d5	2.64	69	106810	4.01	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.20%
11) 1,1-Dichloroethene-d2	3.65	63	282183	3.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	72.40%
20) 2-Butanone-d5	6.65	46	187697	67.24	ug/L	0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	134.48%#
24) Chloroform-d	7.21	84	277372	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.80%
26) 1,2-Dichloroethane-d4	7.90	65	95702	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.60%
32) Benzene-d6	7.86	84	592882	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
36) 1,2-Dichloropropane-d6	8.90	67	160504	5.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.60%
41) Toluene-d8	9.97	98	504607	4.22	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.40%
43) trans-1,3-Dichloropropene-	10.24	79	35028	4.29	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.80%
46) 2-Hexanone-d5	10.59	63	169183	64.93	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	129.86%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	77568	5.38	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	107.60%
64) 1,2-Dichlorobenzene-d4	13.51	152	140051	5.99	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	119.80%

Target Compounds

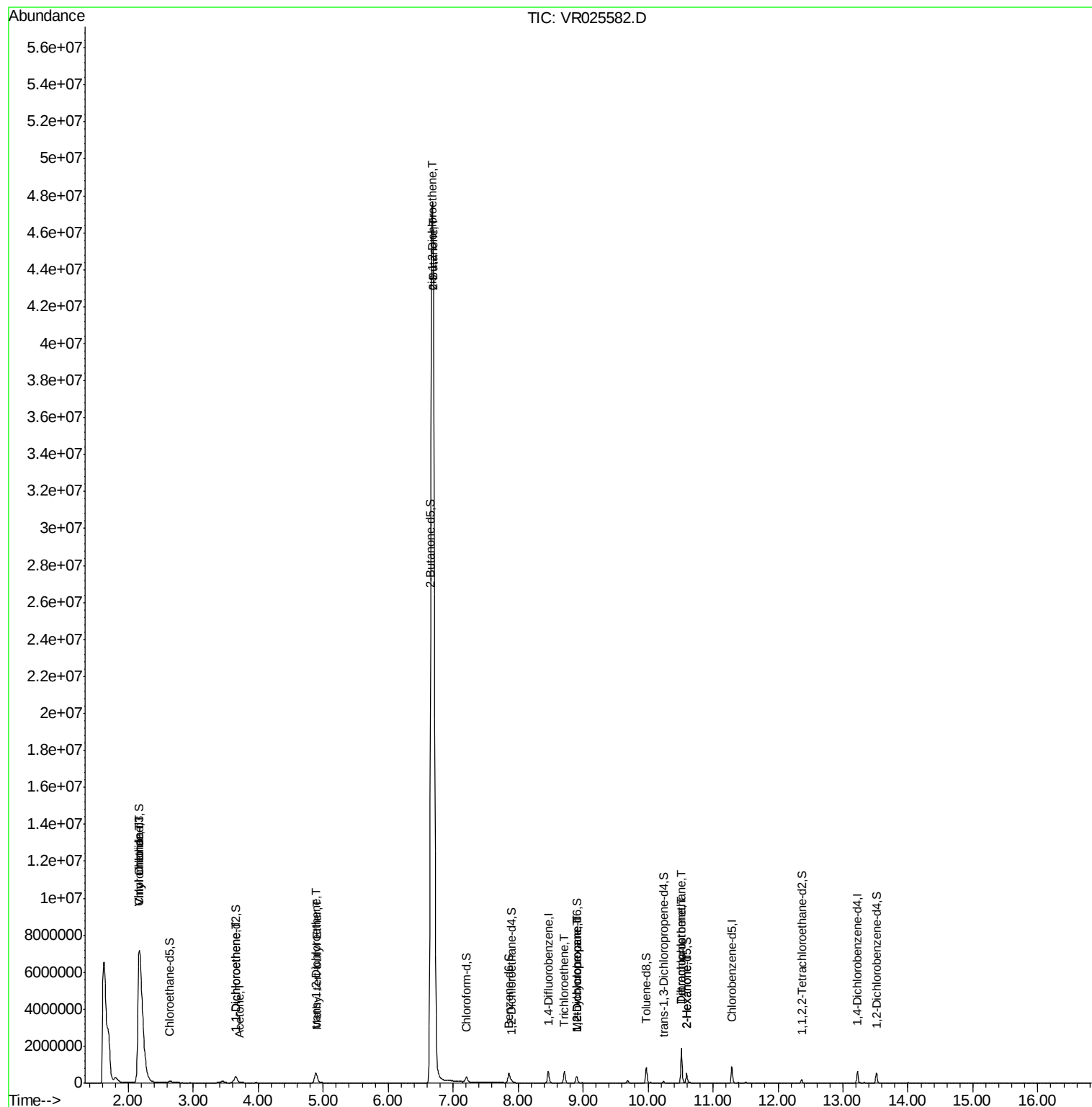
					Qvalue
3) Chloromethane	2.17	50	201508	4.890 ug/L #	41
5) Vinyl chloride	2.17	62	20444206	496.457 ug/L	94
12) 1,1-Dichloroethene	3.67	96	130275	3.346 ug/L	82
13) Acetone	3.72	43	6178	2.633 ug/L	61
17) Methyl tert-butyl Ether	4.91	73	13893	0.356 ug/L #	79
18) trans-1,2-Dichloroethene	4.89	96	400730	10.748 ug/L	97
21) 2-Butanone	6.69	43	821	0.252 ug/L #	1
22) cis-1,2-Dichloroethene	6.68	96	31510584	925.345 ug/L #	96
34) Trichloroethene	8.71	95	198371	5.702 ug/L	96
35) Methylcyclohexane	8.90	83	35980	0.688 ug/L #	22
37) 1,2-Dichloropropane	8.90	63	18449	0.627 ug/L #	91
47) Tetrachloroethene	10.52	164	393873	13.232 ug/L	95
48) 2-Hexanone	10.59	43	19014	3.398 ug/L #	73
49) Dibromochloromethane	10.52	129	331785	19.179 ug/L #	11

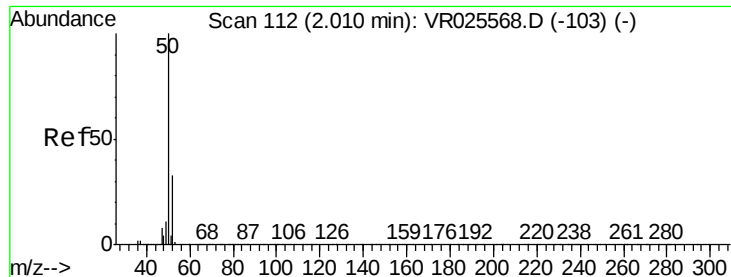
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 08 02:00:36 2018
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#3

Chloromethane

Concen: 4.890 ug/L

RT: 2.17 min Scan# 139

Delta R.T. 0.16 min

Lab File: VR025582.D

Acq: 7 Aug 2018 18:17

Instrument :

MSVOA_R

ClientSampleId :

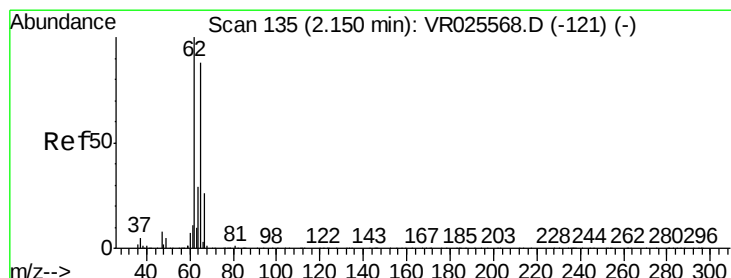
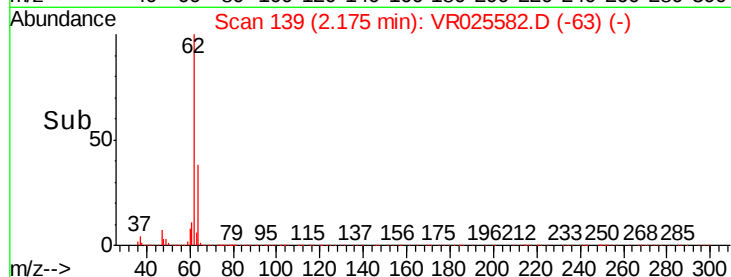
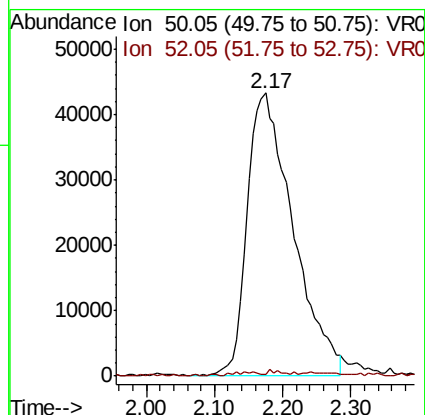
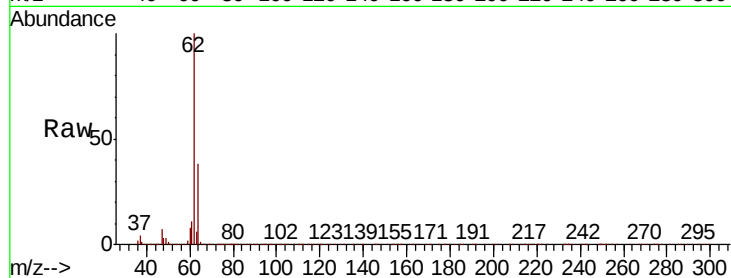
ESWX7

Tgt Ion: 50 Resp: 201508

Ion Ratio Lower Upper

50 100

52 0.8 24.4 45.4#



#5

Vinyl chloride

Concen: 496.457 ug/L

RT: 2.17 min Scan# 139

Delta R.T. 0.02 min

Lab File: VR025582.D

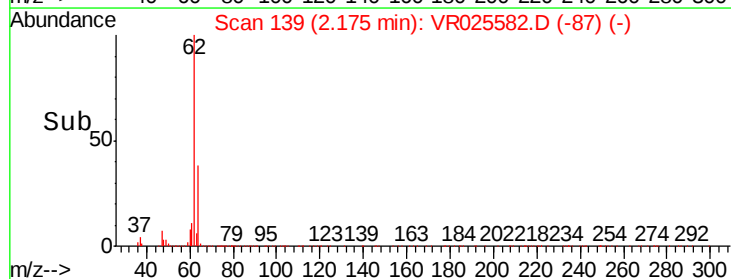
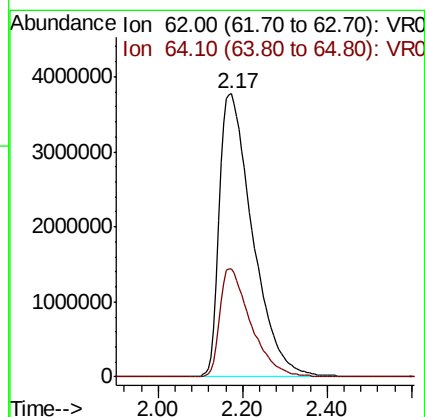
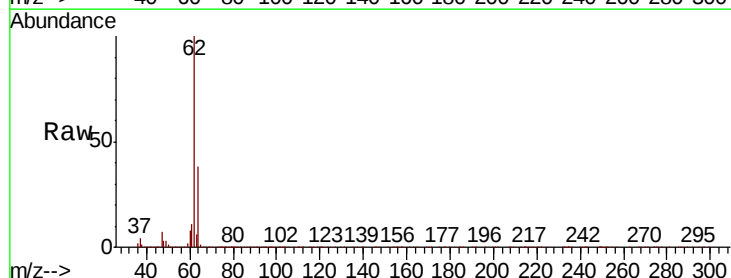
Acq: 7 Aug 2018 18:17

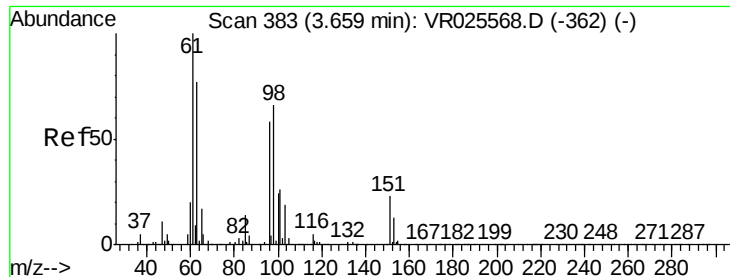
Tgt Ion: 62 Resp: 20444206

Ion Ratio Lower Upper

62 100

64 38.0 24.1 44.8





#12

1,1-Dichloroethene

Concen: 3.346 ug/L

RT: 3.67 min Scan# 384

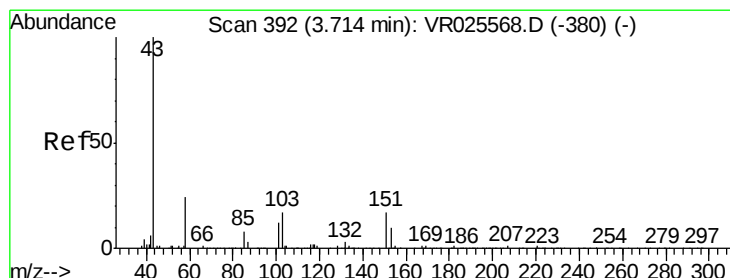
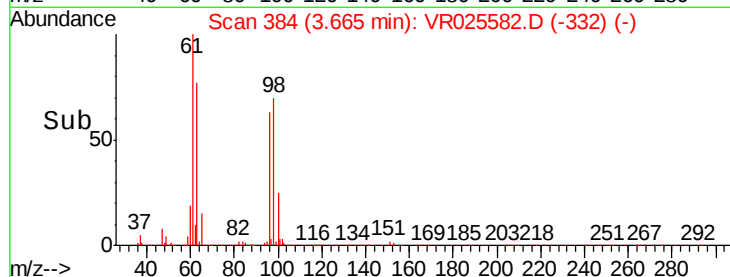
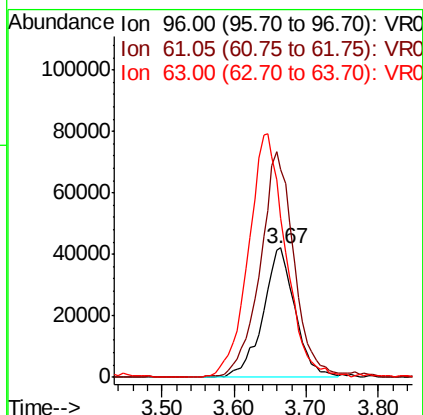
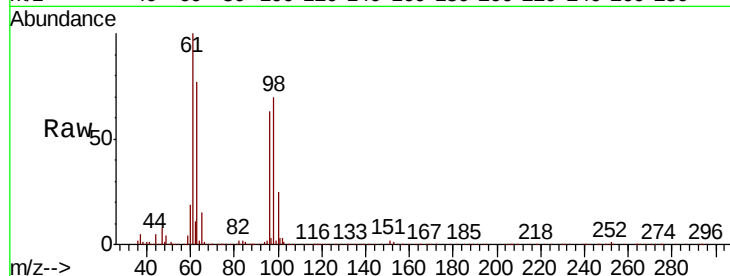
Delta R.T. 0.02 min

Lab File: VR025582.D

Acq: 7 Aug 2018 18:17

Instrument :
MSVOA_R
ClientSampled :
ESWX7

Tgt Ion:	96	Resp:	130275
Ion	Ratio	Lower	Upper
96	100		
61	160.0	124.3	230.8
63	123.3	108.1	200.7



#13

Acetone

Concen: 2.633 ug/L

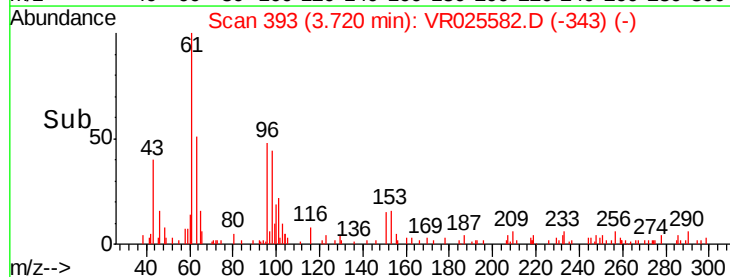
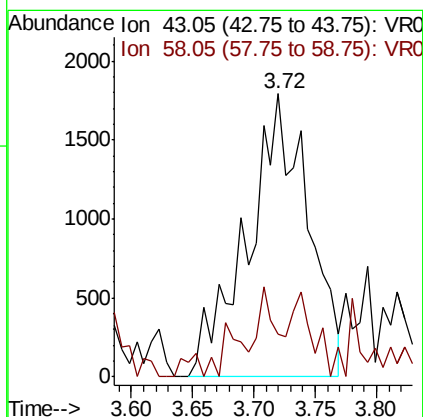
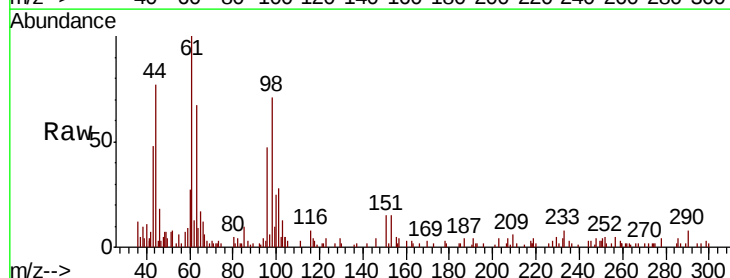
RT: 3.72 min Scan# 393

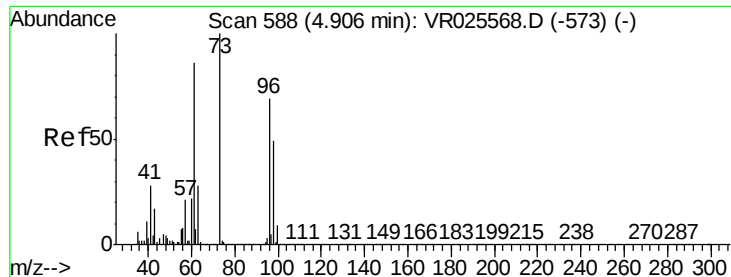
Delta R.T. 0.01 min

Lab File: VR025582.D

Acq: 7 Aug 2018 18:17

Tgt Ion:	43	Resp:	6178
Ion	Ratio	Lower	Upper
43	100		
58	6.5	0.0	53.4





#17

Methyl tert-butyl Ether

Concen: 0.356 ug/L

RT: 4.91 min Scan# 588

Delta R.T. 0.01 min

Lab File: VR025582.D

Acq: 7 Aug 2018 18:17

Instrument :

MSVOA_R

ClientSampleId :

ESWX7

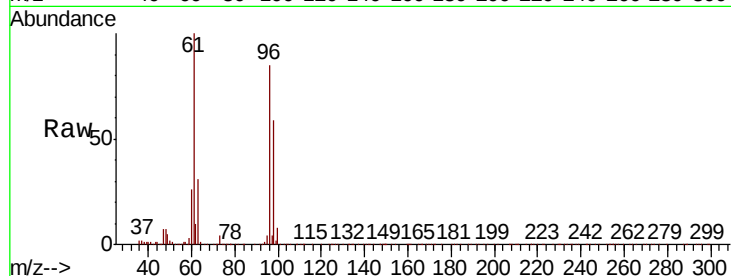
Tgt Ion: 73 Resp: 13893

Ion Ratio Lower Upper

73 100

43 5.7 14.2 21.4#

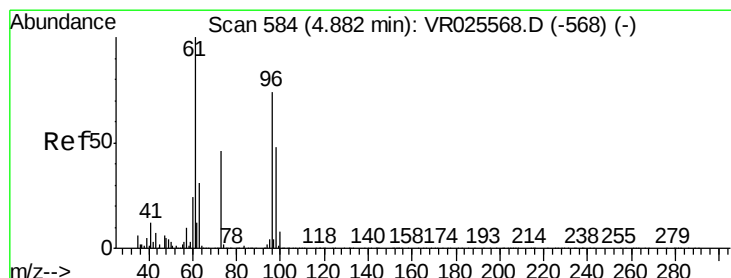
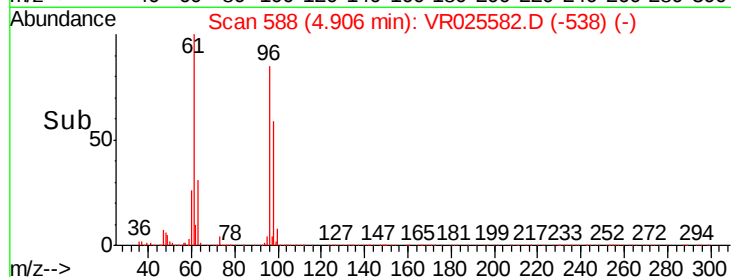
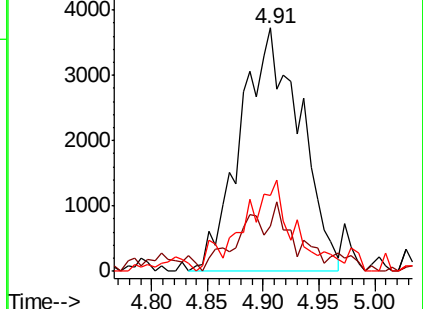
57 29.2 17.6 26.4#



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: 10.748 ug/L

RT: 4.89 min Scan# 586

Delta R.T. 0.01 min

Lab File: VR025582.D

Acq: 7 Aug 2018 18:17

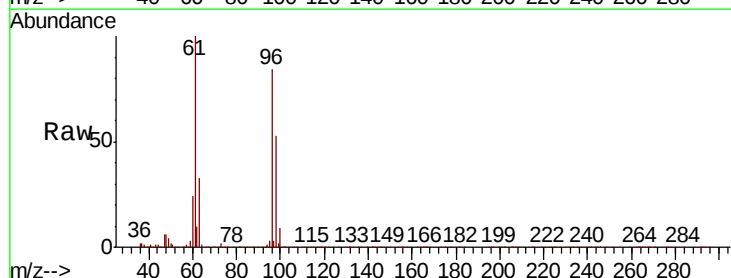
Tgt Ion: 96 Resp: 400730

Ion Ratio Lower Upper

96 100

61 118.7 85.5 158.9

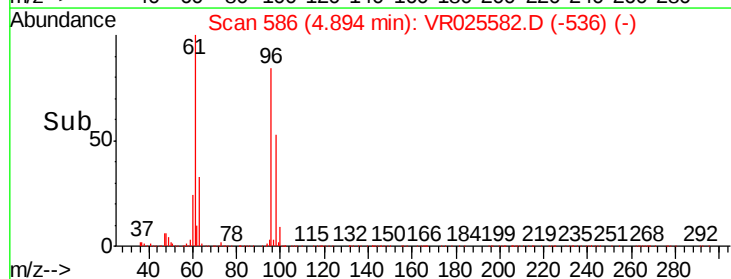
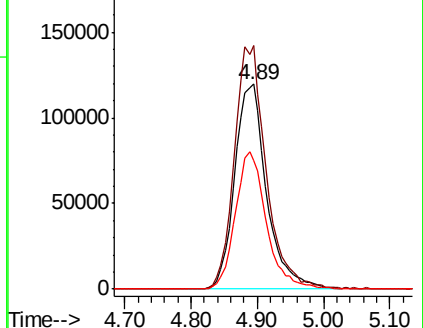
98 62.7 42.1 78.1

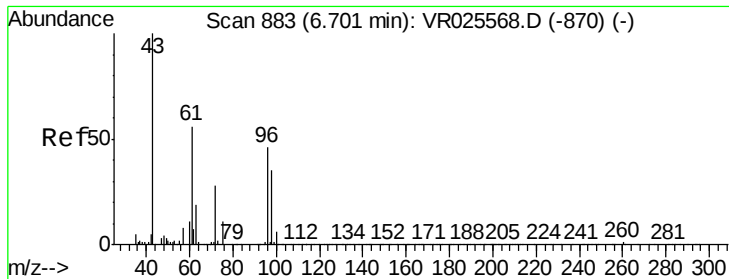


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 97.95 (97.65 to 98.65): VR0

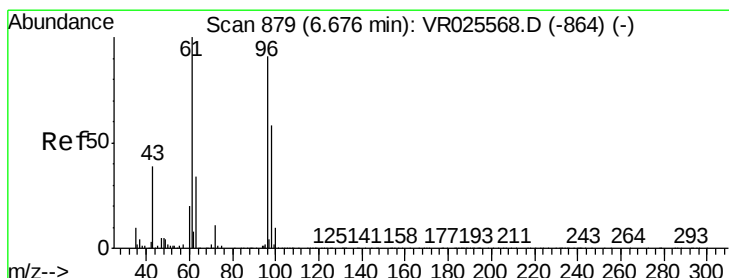
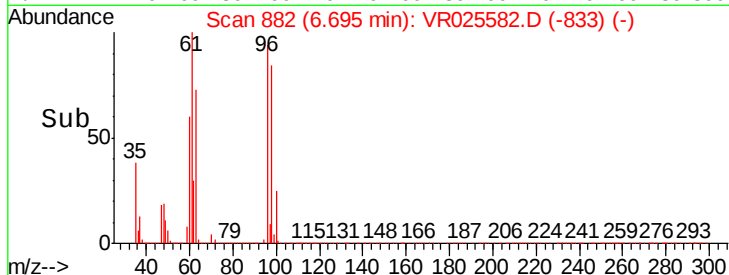
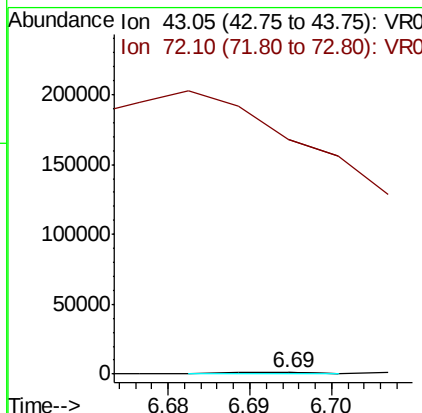
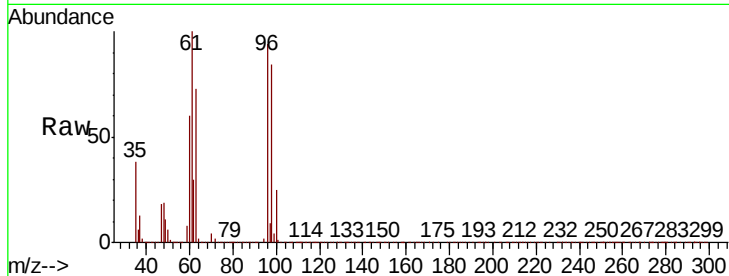




#21
2-Butanone
Concen: 0.252 ug/L
RT: 6.69 min Scan# 882
Delta R.T. -0.00 min
Lab File: VR025582.D
Acq: 7 Aug 2018 18:17

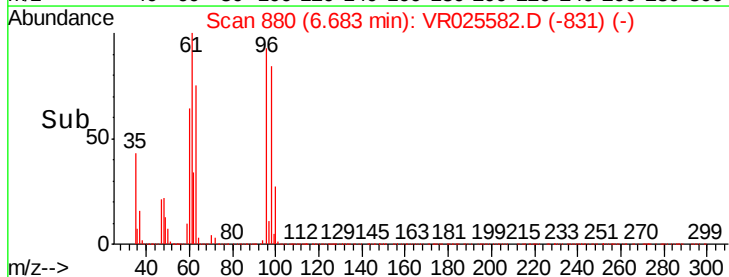
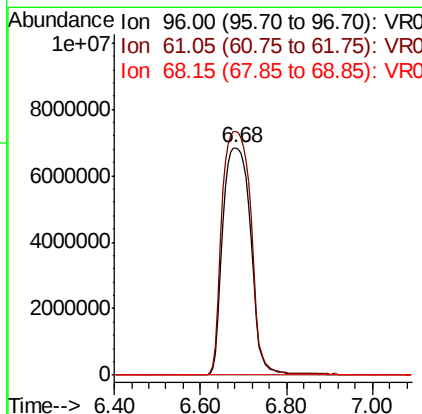
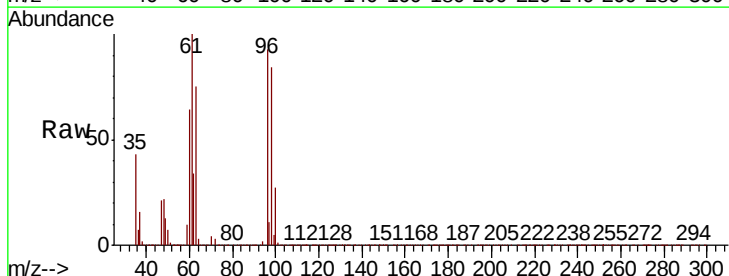
Instrument :
MSVOA_R
ClientSampleId :
ESWX7

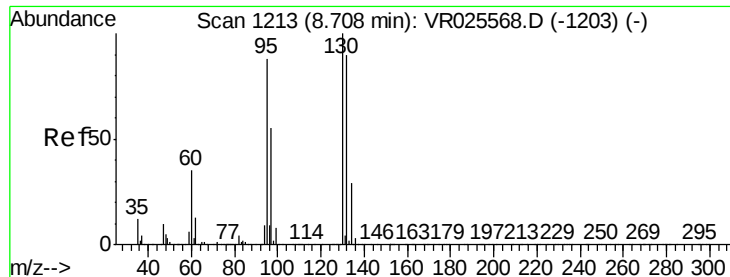
Tgt Ion: 43 Resp: 821
Ion Ratio Lower Upper
43 100
72 84811.7 13.2 39.6#



#22
cis-1,2-Dichloroethene
Concen: 925.345 ug/L
RT: 6.68 min Scan# 880
Delta R.T. -0.00 min
Lab File: VR025582.D
Acq: 7 Aug 2018 18:17

Tgt Ion: 96 Resp: 31510584
Ion Ratio Lower Upper
96 100
61 107.1 77.7 144.3
68 0.0 0.0 0.0#





#34

Trichloroethene

Concen: 5.702 ug/L

RT: 8.71 min Scan# 1214

Delta R.T. -0.00 min

Lab File: VR025582.D

Acq: 7 Aug 2018 18:17

Instrument :

MSVOA_R

ClientSampleId :

ESWX7

Tgt Ion: 95 Resp: 198371

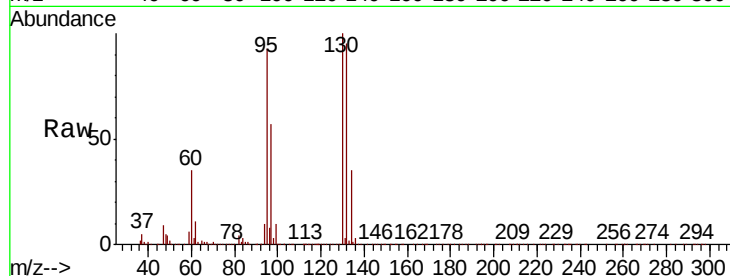
Ion Ratio Lower Upper

95 100

97 60.8 46.7 86.7

132 101.5 71.7 133.1

130 107.1 71.3 132.3

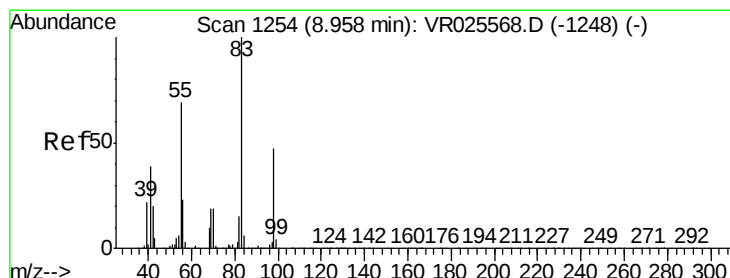
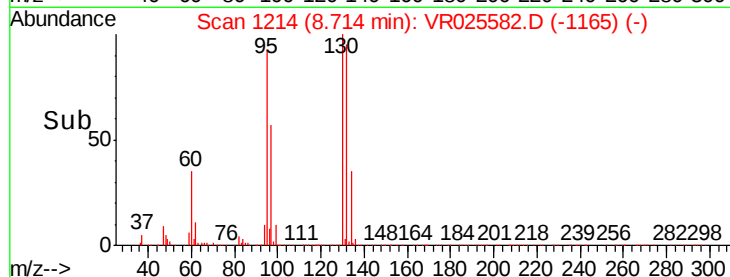
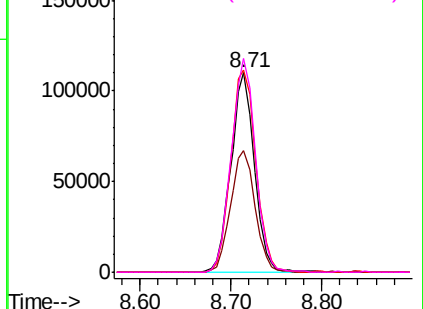


Abundance Ion 95.00 (94.70 to 95.70): VR0

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



#35

Methylcyclohexane

Concen: 0.688 ug/L

RT: 8.90 min Scan# 1245

Delta R.T. -0.05 min

Lab File: VR025582.D

Acq: 7 Aug 2018 18:17

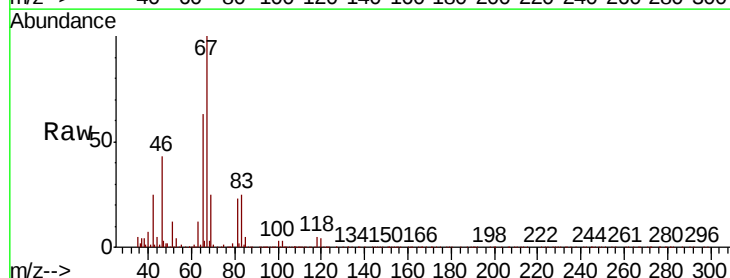
Tgt Ion: 83 Resp: 35980

Ion Ratio Lower Upper

83 100

55 1.2 58.3 87.5#

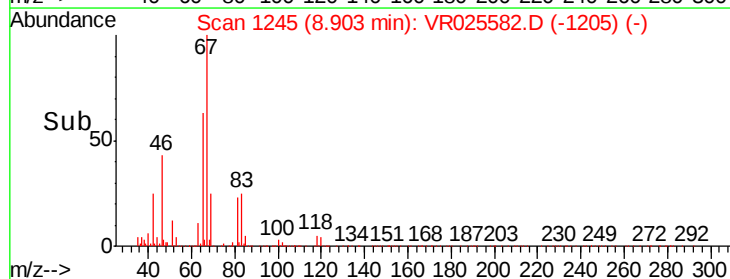
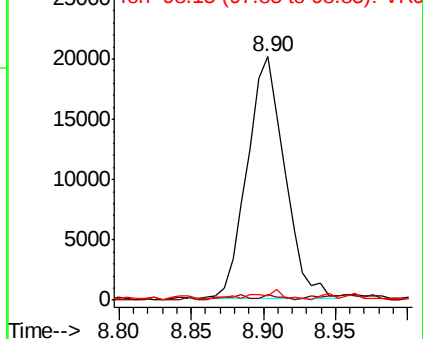
98 2.8 37.8 56.6#

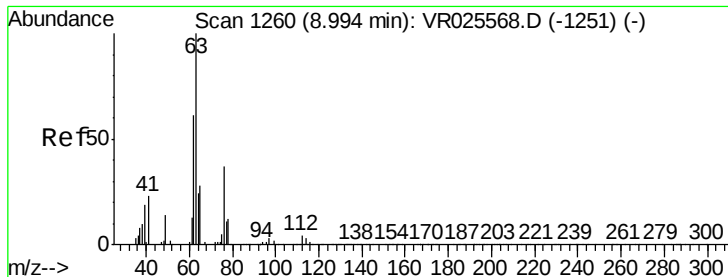


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 0.627 ug/L

RT: 8.90 min Scan# 1245

Delta R.T. -0.09 min

Lab File: VR025582.D

Acq: 7 Aug 2018 18:17

Instrument :

MSVOA_R

ClientSampled :

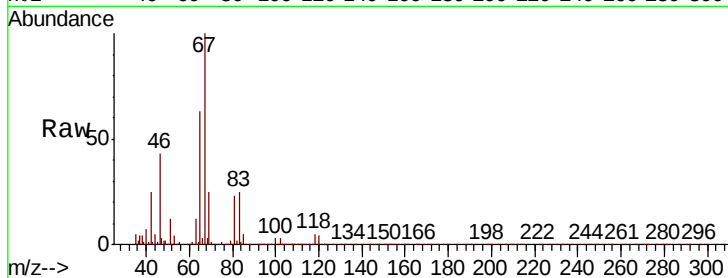
ESWX7

Tgt Ion: 63 Resp: 18449

Ion Ratio Lower Upper

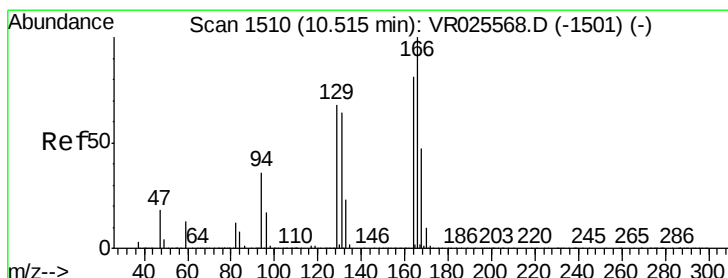
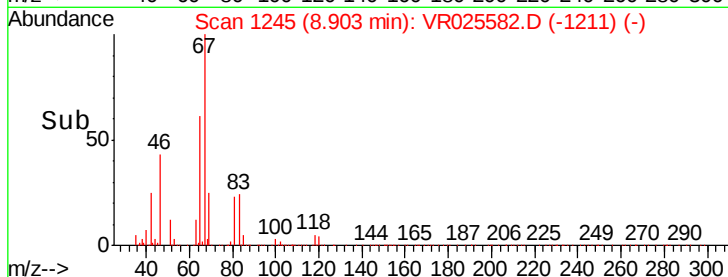
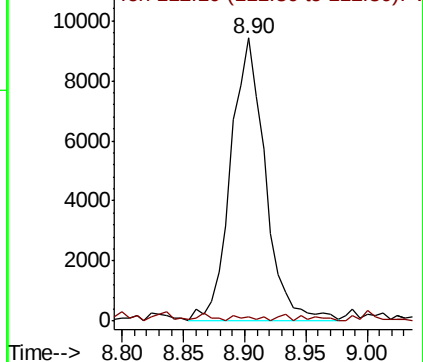
63 100

112 1.2 3.3 4.9#



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 112.10 (111.80 to 112.80): V



#47

Tetrachloroethene

Concen: 13.232 ug/L

RT: 10.52 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VR025582.D

Acq: 7 Aug 2018 18:17

Tgt Ion: 164 Resp: 393873

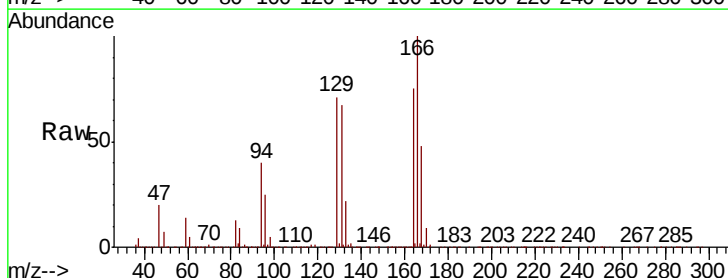
Ion Ratio Lower Upper

164 100

129 94.8 63.0 117.0

131 89.1 60.6 112.6

166 132.9 87.6 162.8

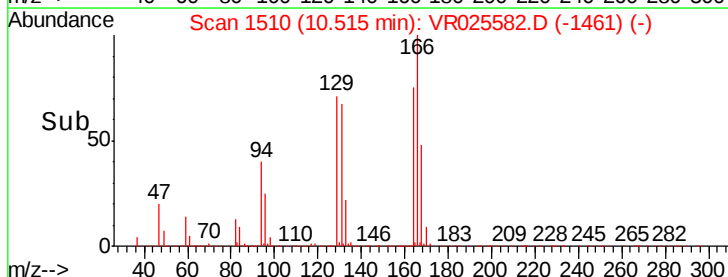
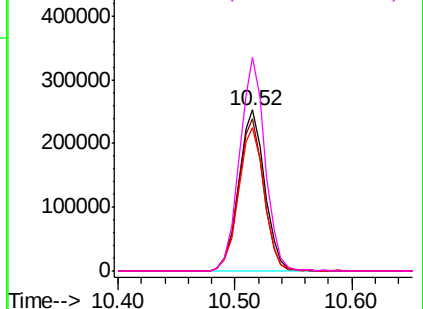


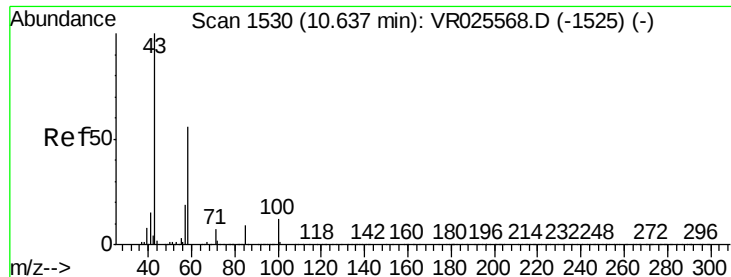
Abundance Ion 163.90 (163.60 to 164.60): V

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

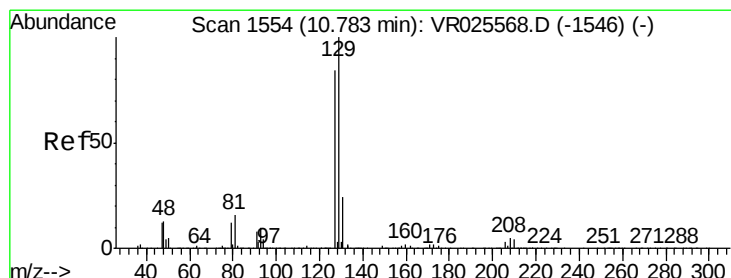
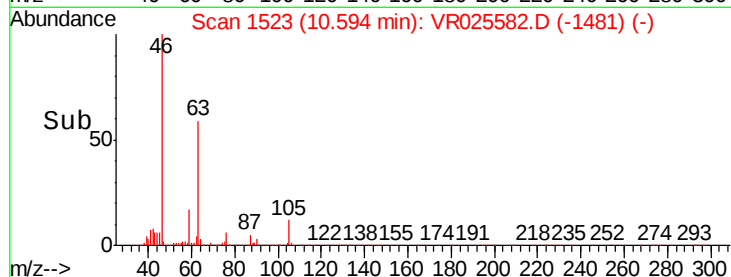
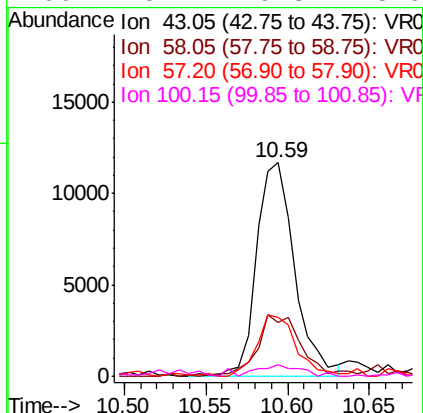
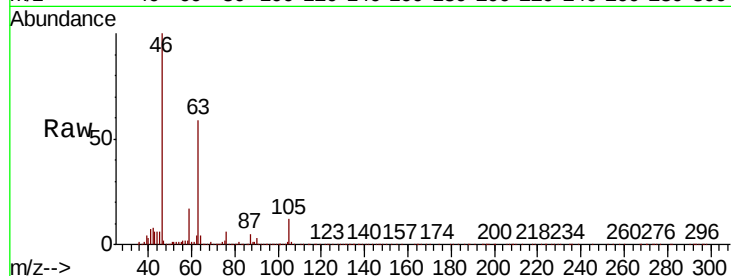




#48
2-Hexanone
Concen: 3.398 ug/L
RT: 10.59 min Scan# 1523
Delta R.T. -0.04 min
Lab File: VR025582.D
Acq: 7 Aug 2018 18:17

Instrument :
MSVOA_R
ClientSampleId :
ESWX7

Tgt Ion: 43 Resp: 19014
Ion Ratio Lower Upper
43 100
58 32.8 45.0 67.6#
57 29.3 15.8 23.6#
100 6.1 9.3 13.9#



#49
Dibromochloromethane
Concen: 19.179 ug/L
RT: 10.52 min Scan# 1510
Delta R.T. -0.27 min
Lab File: VR025582.D
Acq: 7 Aug 2018 18:17

Tgt Ion: 129 Resp: 331785
Ion Ratio Lower Upper
129 100
127 0.0 54.3 100.9#

