

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR091718\
 Data File : VR025753.D
 Acq On : 17 Sep 2018 20:38
 Operator : SY/MD
 Sample : J4887-08DL 4X
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Sep 18 07:52:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR091718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Sep 17 16:10:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	893278	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	710059	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	210312	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	153458	3.14	ug/L	-0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	62.80%
7) Chloroethane-d5	2.62	69	115175	2.79	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	55.80%#
11) 1,1-Dichloroethene-d2	3.63	63	321695	2.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	51.80%#
20) 2-Butanone-d5	6.59	46	231383	59.96	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	119.92%
24) Chloroform-d	7.20	84	397025	3.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	72.60%
26) 1,2-Dichloroethane-d4	7.90	65	150236	4.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.00%
32) Benzene-d6	7.85	84	912860	4.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.80%
36) 1,2-Dichloropropane-d6	8.89	67	258421	4.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.40%
41) Toluene-d8	9.97	98	804017	3.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	79.20%
43) trans-1,3-Dichloropropene-	10.24	79	48903	3.60	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.00%
46) 2-Hexanone-d5	10.59	63	191734	50.44	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.88%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	104344	3.73	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	74.60%
64) 1,2-Dichlorobenzene-d4	13.52	152	166694	4.93	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	98.60%

Target Compounds

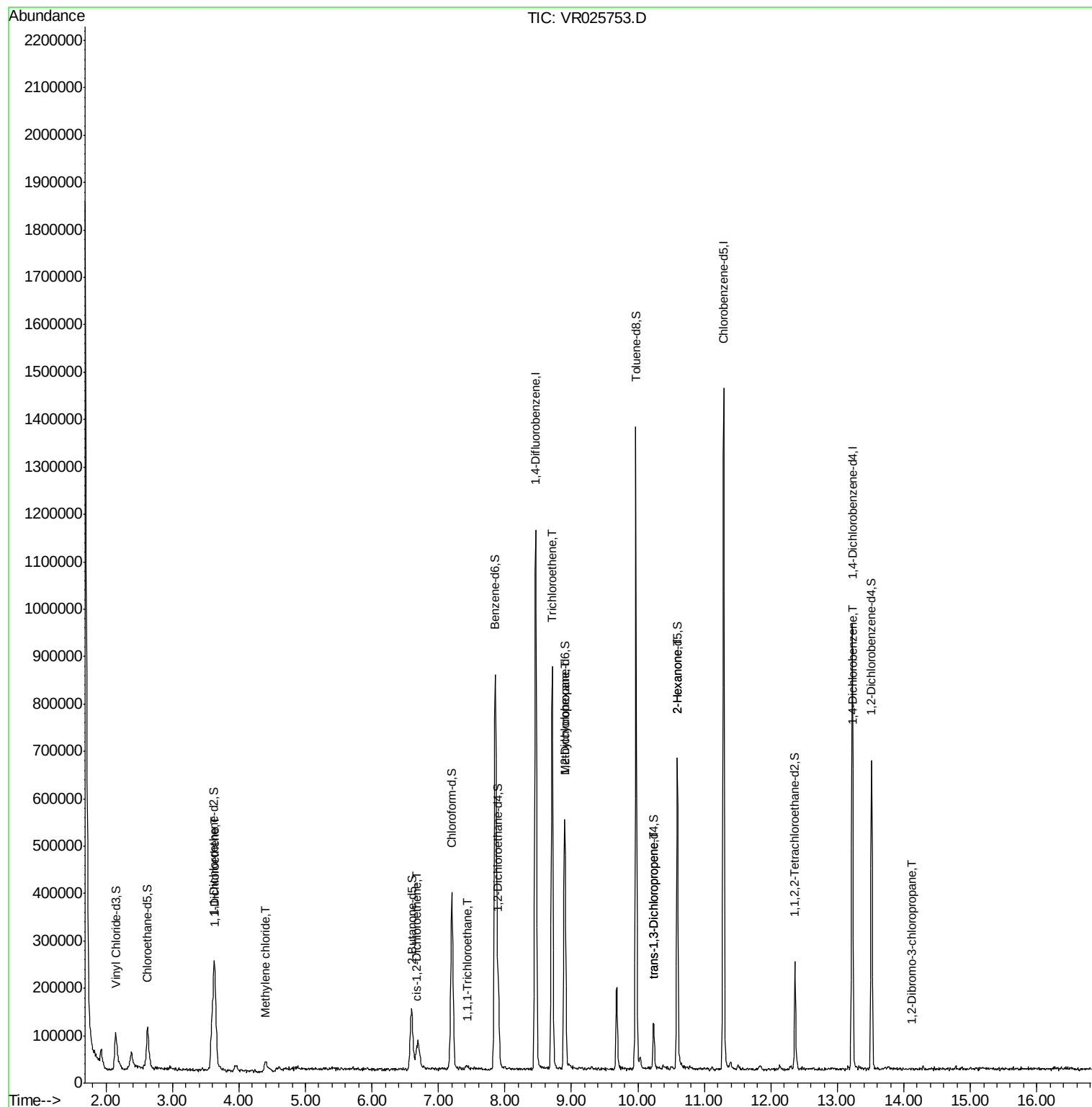
					Ovalue
12) 1,1-Dichloroethene	3.64	96	17511	0.31 ug/L #	1
16) Methylene chloride	4.39	84	19402	0.37 ug/L #	80
22) cis-1,2-Dichloroethene	6.67	96	17708	0.28 ug/L #	86
29) 1,1,1-Trichloroethane	7.43	97	6116	0.09 ug/L #	41
34) Trichloroethene	8.71	95	282646	4.53 ug/L	97
35) Methylcyclohexane	8.90	83	55410	0.56 ug/L #	21
44) trans-1,3-Dichloropropene	10.23	75	3797	0.10 ug/L	93
48) 2-Hexanone	10.59	43	23268	2.25 ug/L #	68
63) 1,4-Dichlorobenzene	13.24	146	4202	0.05 ug/L #	73
66) 1,2-Dibromo-3-chloropropan	14.12	75	310	0.19 ug/L #	29

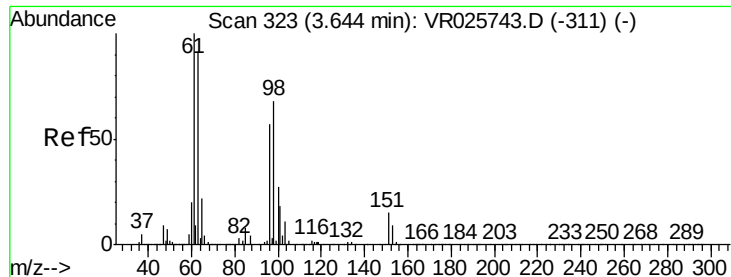
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Sep 17 16:10:44 2018
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 0.31 ug/L

RT: 3.64 min Scan# 323

Delta R.T. 0.00 min

Lab File: VR025753.D

Acq: 17 Sep 2018 20:38

Instrument :
MSVOA_R
ClientSampled :

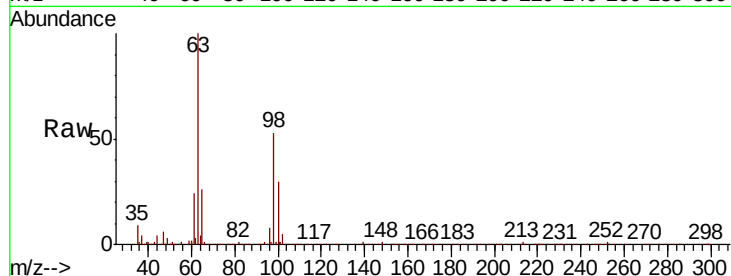
Tot Ion: 96 Resp: 17511

Ion Ratio Lower Upper

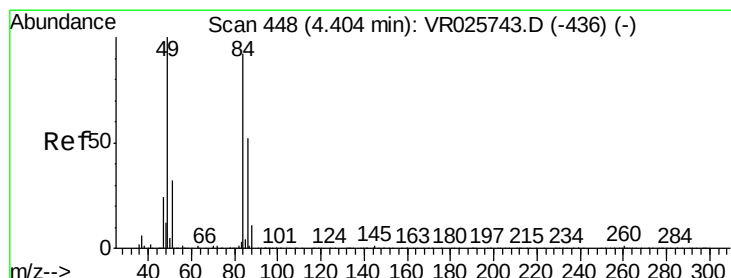
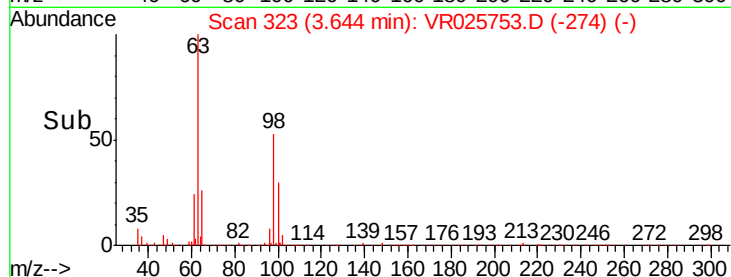
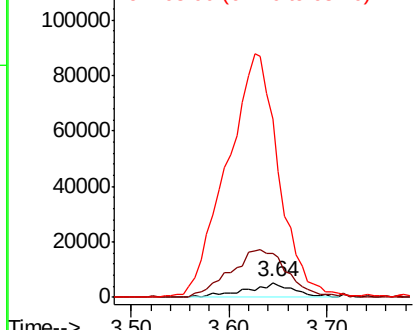
96 100

61 297.9 123.8 229.8#

63 1217.5 118.0 219.1#



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



#16

Methylene chloride

Concen: 0.37 ug/L

RT: 4.39 min Scan# 446

Delta R.T. -0.01 min

Lab File: VR025753.D

Acq: 17 Sep 2018 20:38

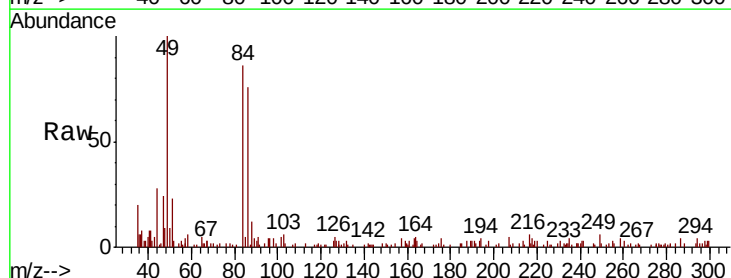
Tgt Ion: 84 Resp: 19402

Ion Ratio Lower Upper

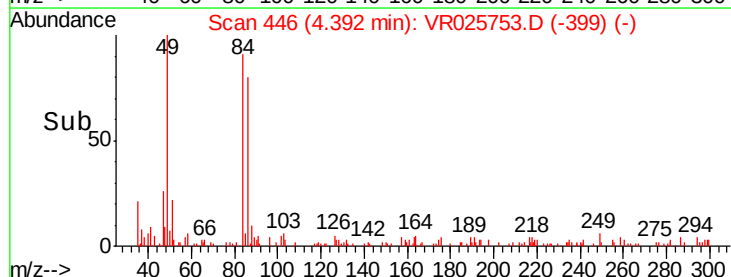
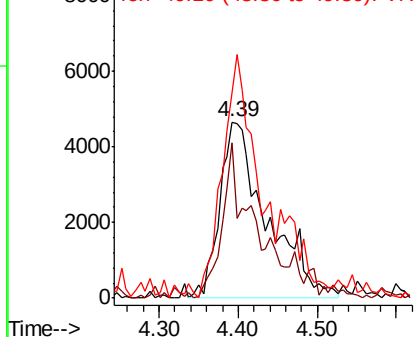
84 100

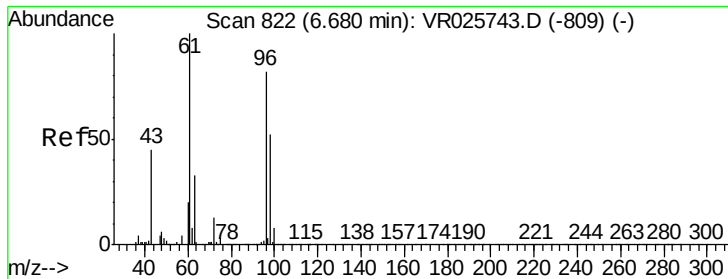
86 88.4 39.3 73.1#

49 116.7 76.2 141.4



Abundance Ion 84.05 (83.75 to 84.75): VR0
Ion 86.00 (85.70 to 86.70): VR0
Ion 49.10 (48.80 to 49.80): VR0



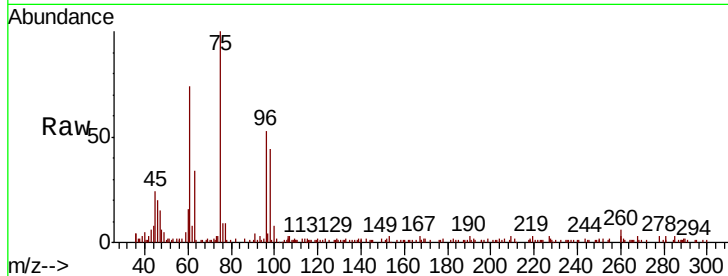


#22

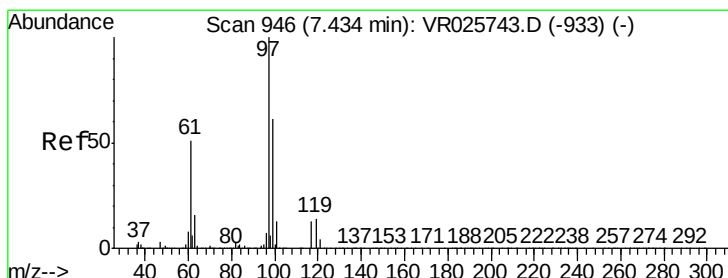
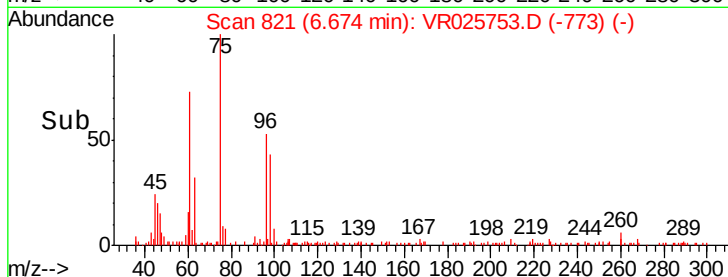
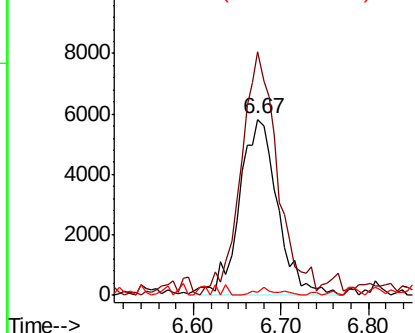
cis-1,2-Dichloroethene
 Concen: 0.28 ug/L
 RT: 6.67 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: VR025753.D
 Acq: 17 Sep 2018 20:38

Instrument :
 MSVOA_R
 ClientSampled :

Tot Ion: 96 Resp: 17708
 Ion Ratio Lower Upper
 96 100
 61 138.3 85.7 159.1
 68 1.5 0.3 0.5#



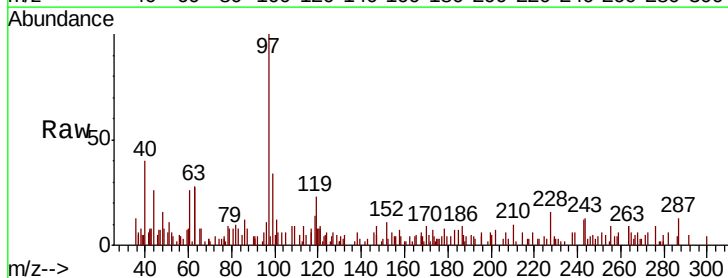
Abundance Ion 96.00 (95.70 to 96.70): VR0
 Ion 61.05 (60.75 to 61.75): VR0
 Ion 68.15 (67.85 to 68.85): VR0



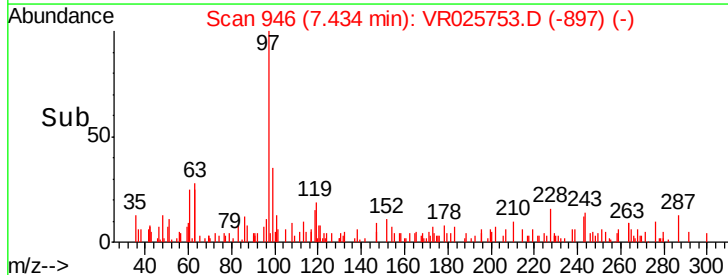
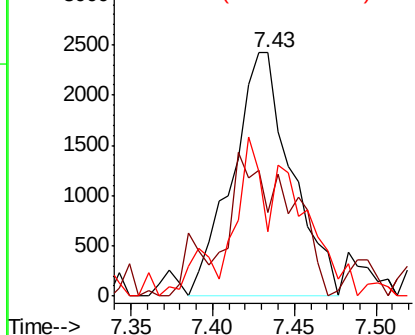
#29

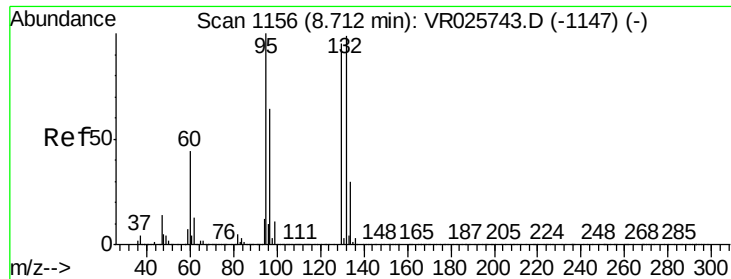
1,1,1-Trichloroethane
 Concen: 0.09 ug/L
 RT: 7.43 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VR025753.D
 Acq: 17 Sep 2018 20:38

Tgt Ion: 97 Resp: 6116
 Ion Ratio Lower Upper
 97 100
 99 0.0 50.6 75.8#
 61 28.1 39.7 59.5#



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





#34

Trichloroethene

Concen: 4.53 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VR025753.D

Acq: 17 Sep 2018 20:38

Instrument :

MSVOA_R

ClientSampleId :

Tot Ion: 95 Resp: 282646

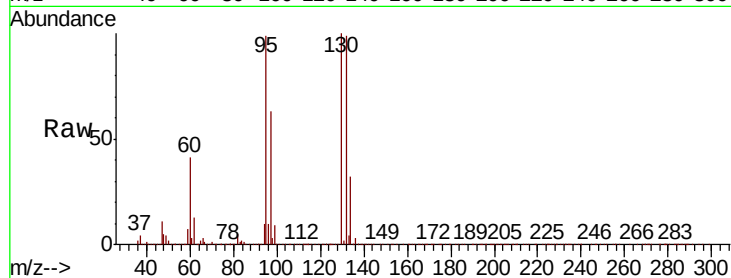
Ion Ratio Lower Upper

95 100

97 63.2 44.9 83.5

132 99.6 69.2 128.6

130 100.7 66.4 123.4



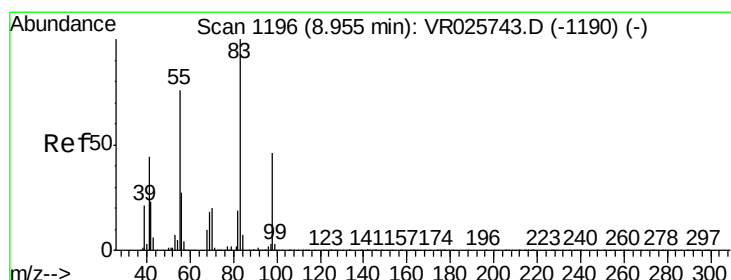
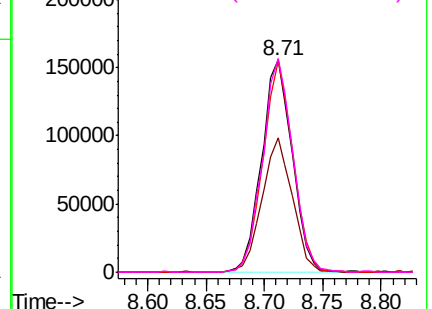
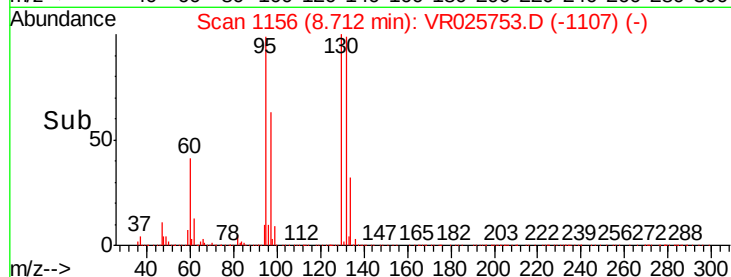
Abundance

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: 0.56 ug/L

RT: 8.90 min Scan# 1187

Delta R.T. -0.05 min

Lab File: VR025753.D

Acq: 17 Sep 2018 20:38

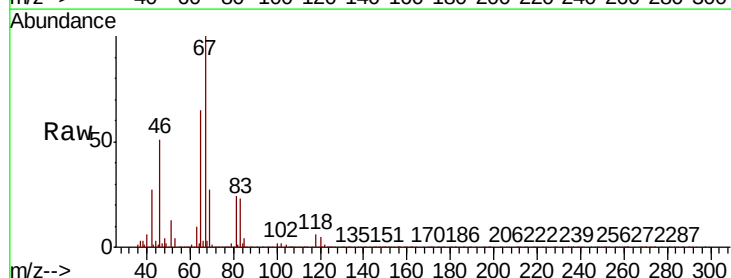
Tgt Ion: 83 Resp: 55410

Ion Ratio Lower Upper

83 100

55 1.2 60.2 90.4#

98 2.1 36.2 54.4#

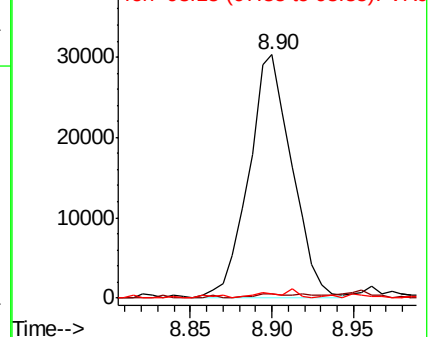
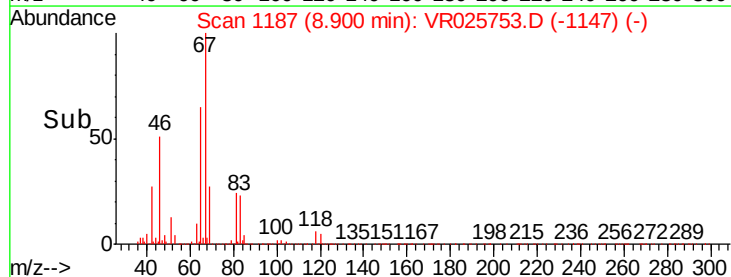


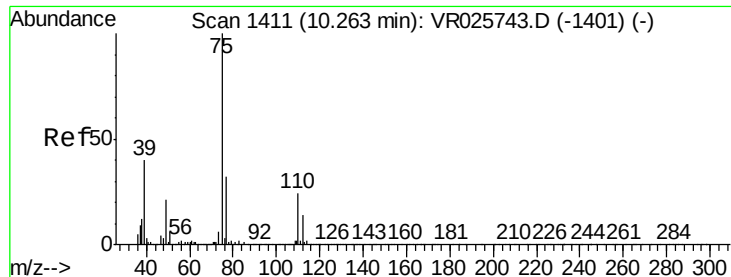
Abundance

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





#44

trans-1,3-Dichloropropene

Concen: 0.10 ug/L

RT: 10.23 min Scan# 1406

Delta R.T. -0.03 min

Lab File: VR025753.D

Acq: 17 Sep 2018 20:38

Instrument :

MSVOA_R

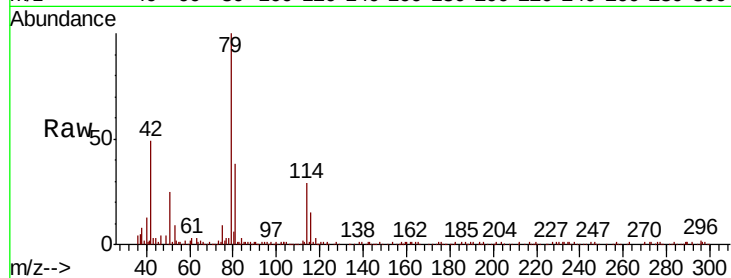
ClientSampled :

Tot Ion: 75 Resp: 3797

Ion Ratio Lower Upper

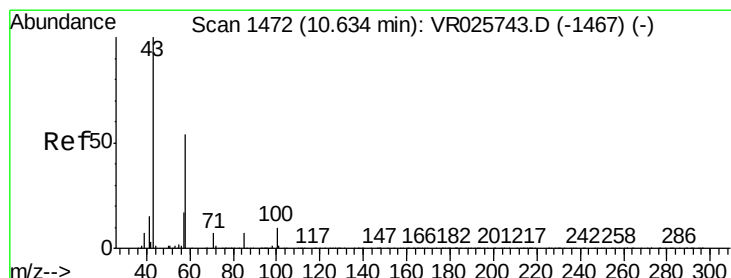
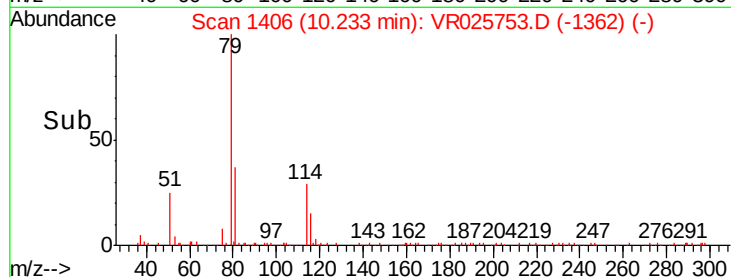
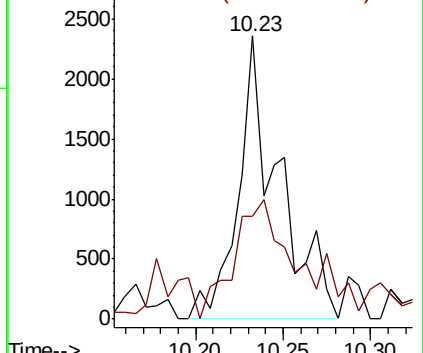
75 100

77 36.4 22.7 42.1



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0



#48

2-Hexanone

Concen: 2.25 ug/L

RT: 10.59 min Scan# 1465

Delta R.T. -0.04 min

Lab File: VR025753.D

Acq: 17 Sep 2018 20:38

Tgt Ion: 43 Resp: 23268

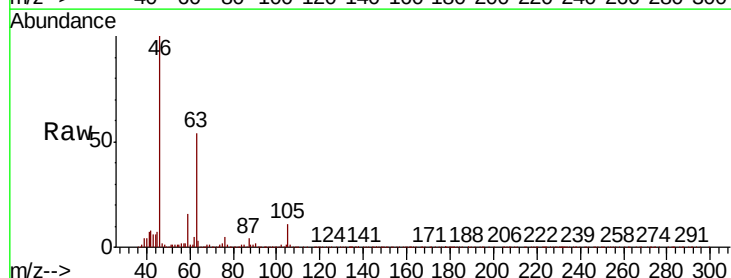
Ion Ratio Lower Upper

43 100

58 32.9 44.4 66.6#

57 39.3 14.0 21.0#

100 8.3 8.2 12.2

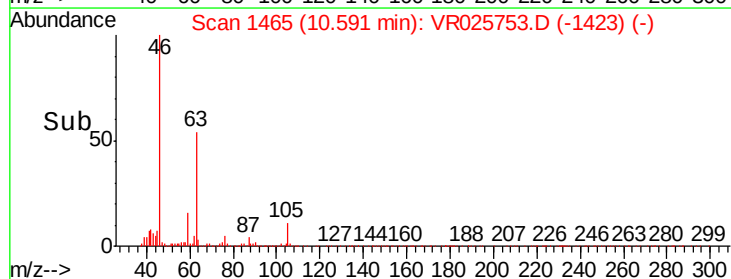
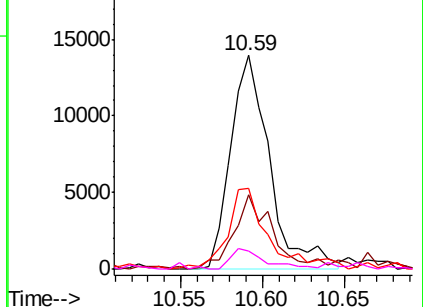


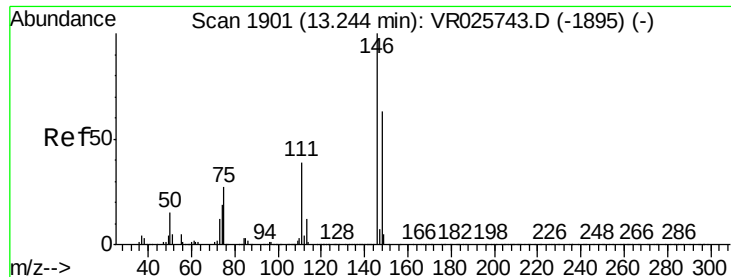
Abundance Ion 43.05 (42.75 to 43.75): VR0

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

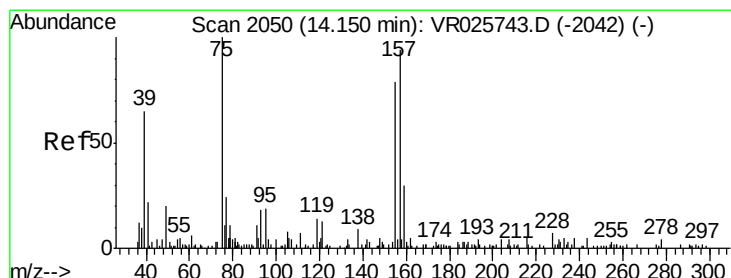
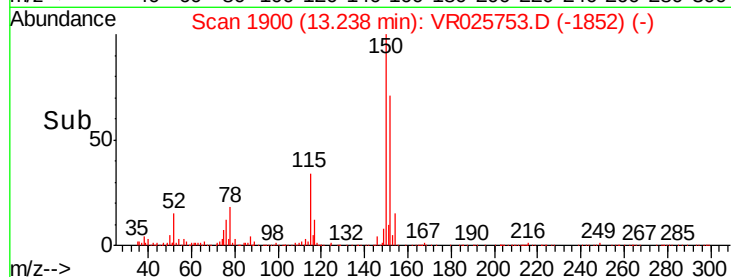
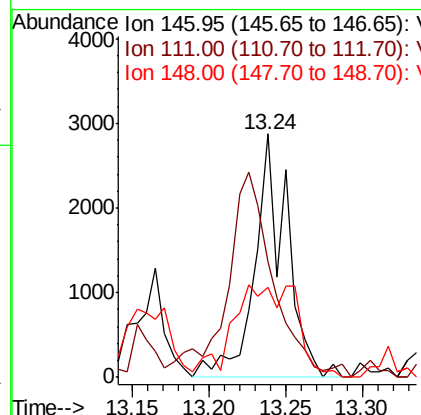
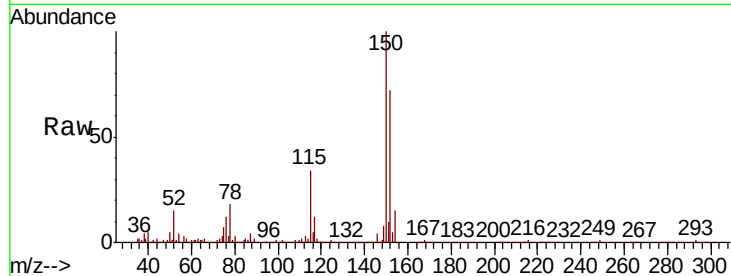




#63
 1,4-Dichlorobenzene
 Concen: 0.05 ug/L
 RT: 13.24 min Scan# 1900
 Delta R.T. -0.01 min
 Lab File: VR025753.D
 Acq: 17 Sep 2018 20:38

Instrument :
 MSVOA_R
 ClientSampleId :

Tot Ion:146 Resp: 4202
 Ion Ratio Lower Upper
 146 100
 111 47.5 27.4 50.8
 148 36.7 44.4 82.5#



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.19 ug/L
 RT: 14.12 min Scan# 2045
 Delta R.T. -0.03 min
 Lab File: VR025753.D
 Acq: 17 Sep 2018 20:38

Tgt Ion: 75 Resp: 310
 Ion Ratio Lower Upper
 75 100
 155 45.0 63.6 95.4#
 157 0.0 75.0 112.6#

