

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101518\
 Data File : VR026086.D
 Acq On : 15 Oct 2018 22:55
 Operator : SY/MD
 Sample : J5379-04
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Oct 16 08:25:33 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR101518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Oct 16 08:21:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	554571	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	466997	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	146139	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	237842	4.90	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.00%
7) Chloroethane-d5	2.63	69	206677	4.95	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	99.00%
11) 1,1-Dichloroethene-d2	3.60	63	447748	3.76	ug/L	-0.02
Spiked Amount	5.000	Range	60 - 125	Recovery	=	75.20%
20) 2-Butanone-d5	6.59	46	224437	56.33	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.66%
24) Chloroform-d	7.20	84	370169	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.00%
26) 1,2-Dichloroethane-d4	7.89	65	162486	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.20%
32) Benzene-d6	7.85	84	736327	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
36) 1,2-Dichloropropane-d6	8.90	67	211251	5.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.00%
41) Toluene-d8	9.97	98	693619	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.80%
43) trans-1,3-Dichloropropene-	10.24	79	46154	4.54	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.80%
46) 2-Hexanone-d5	10.59	63	181797	61.95	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	123.90%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	78309	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.00%
64) 1,2-Dichlorobenzene-d4	13.52	152	121151	5.25	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.00%

Target Compounds

					Ovalue
3) Chloromethane	2.01	50	10154	0.172 ug/L #	62
13) Acetone	3.72	43	11697	2.840 ug/L	86
18) trans-1,2-Dichloroethene	4.89	96	16811	0.412 ug/L	96
19) 1,1-Dichloroethane	5.69	63	23222	0.303 ug/L #	89
22) cis-1,2-Dichloroethene	6.67	96	4539267	117.664 ug/L #	90
25) Chloroform	7.24	83	41833	0.560 ug/L	83
29) 1,1,1-Trichloroethane	7.43	97	29296	0.459 ug/L	96
34) Trichloroethene	8.71	95	10290510	229.442 ug/L	85
35) Methylcyclohexane	8.90	83	48742	0.730 ug/L #	17
37) 1,2-Dichloropropane	8.90	63	27298	0.738 ug/L #	91
42) Toluene	10.03	91	17724	0.096 ug/L	95
44) trans-1,3-Dichloropropene	10.24	75	3400	0.115 ug/L	84
45) 1,1,2-Trichloroethane	10.45	97	3561	0.228 ug/L	92
47) Tetrachloroethene	10.51	164	37632	1.175 ug/L	94
48) 2-Hexanone	10.59	43	27859	3.778 ug/L #	71
49) Dibromochloromethane	10.51	129	31389	1.789 ug/L #	10

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Oct 16 08:21:47 2018
Response via : Initial Calibration

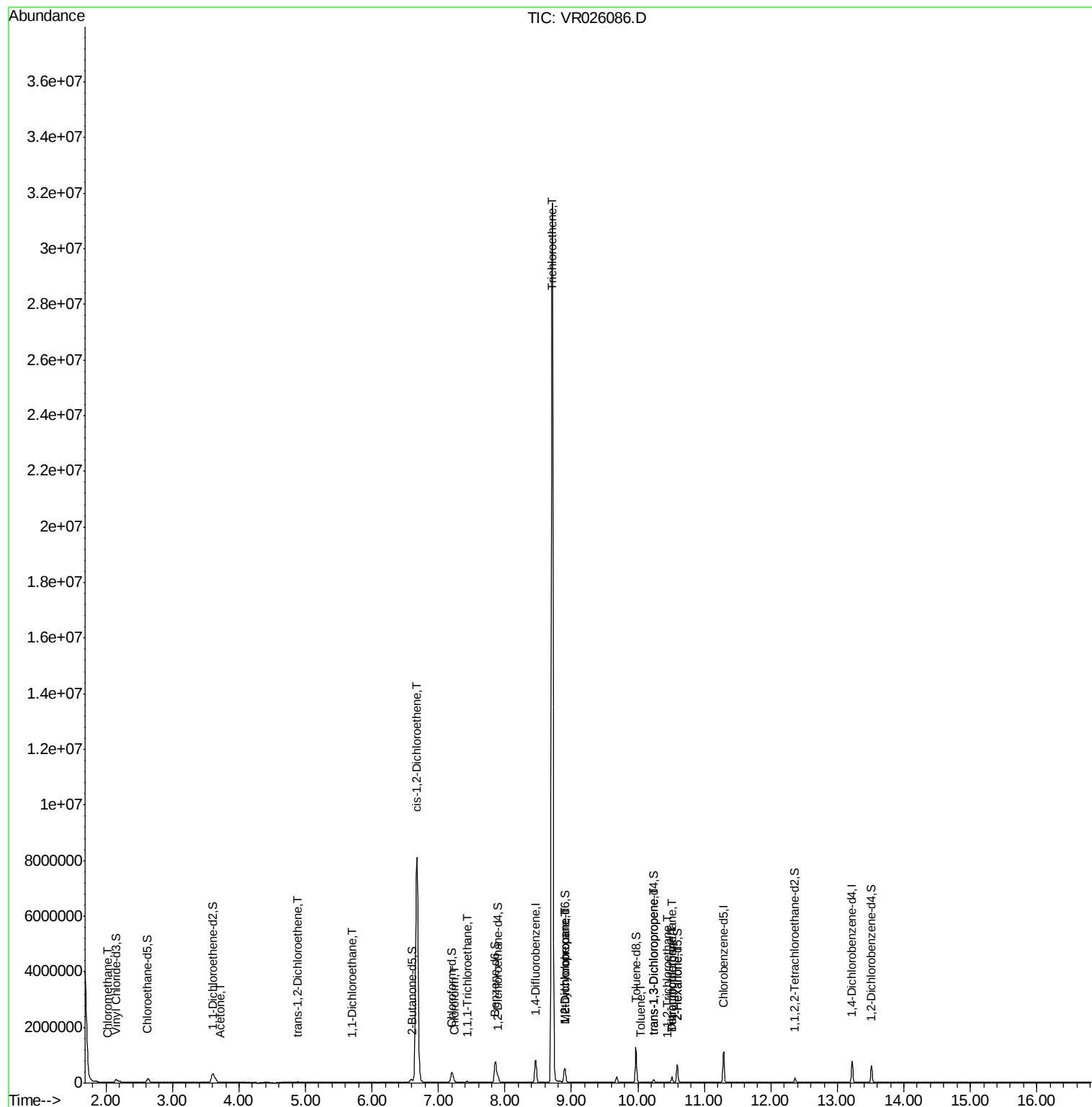
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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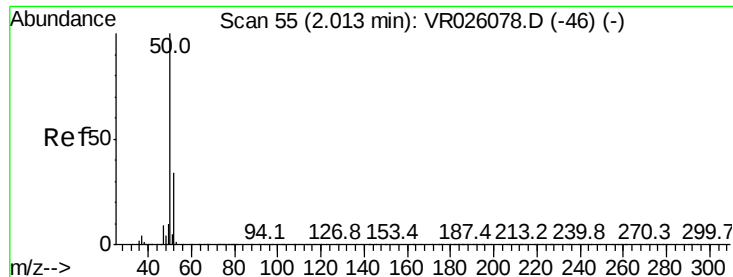
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.172 ug/L

RT: 2.01 min Scan# 55

Delta R.T. 0.00 min

Lab File: VR026086.D

Acq: 15 Oct 2018 22:55

Instrument :

MSVOA_R

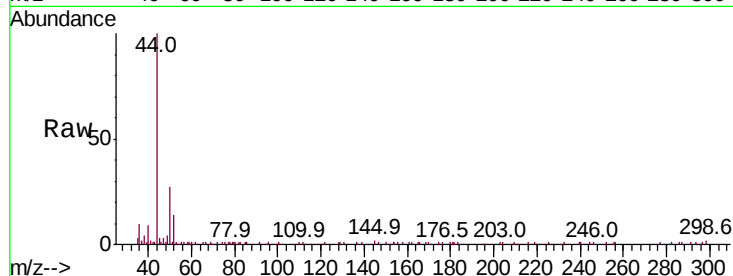
ClientSampleId :

Tot Ion: 50 Resp: 10154

Ion Ratio Lower Upper

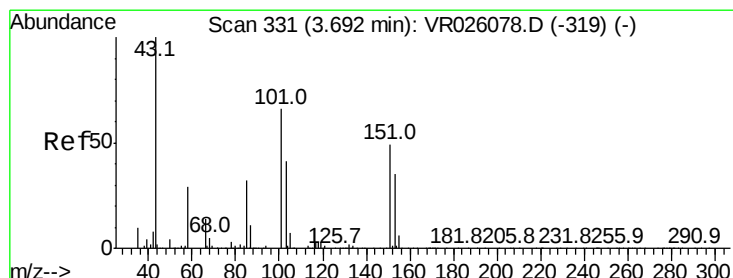
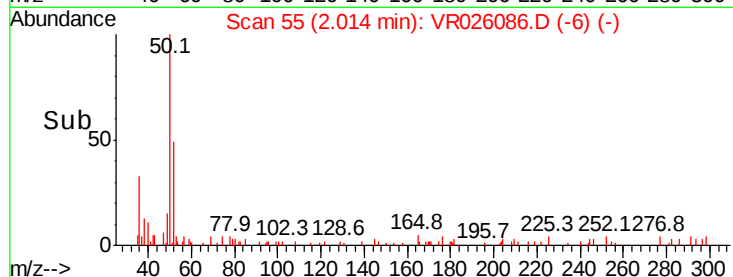
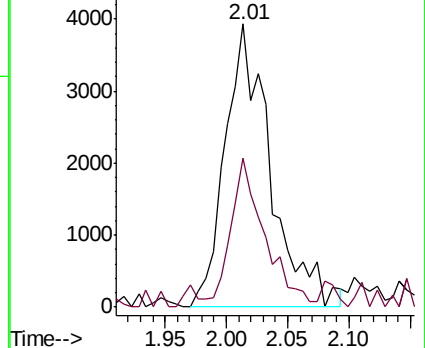
50 100

52 52.7 22.0 40.8#



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0



#13

Acetone

Concen: 2.840 ug/L

RT: 3.72 min Scan# 335

Delta R.T. 0.02 min

Lab File: VR026086.D

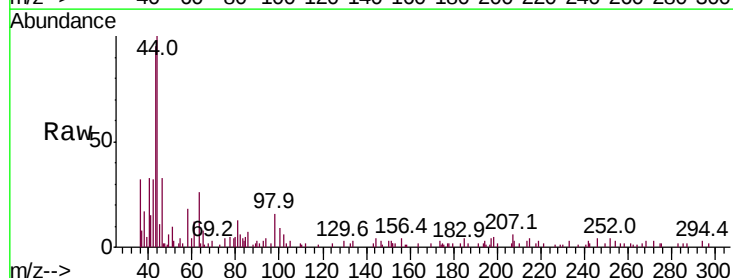
Acq: 15 Oct 2018 22:55

Tgt Ion: 43 Resp: 11697

Ion Ratio Lower Upper

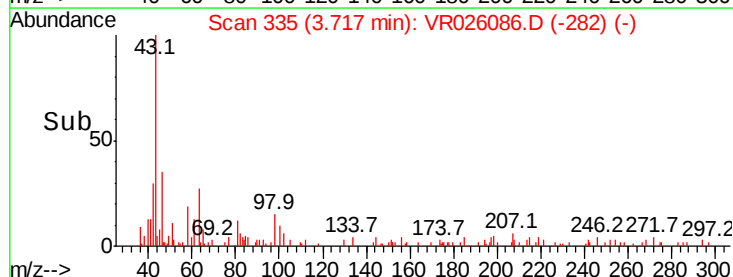
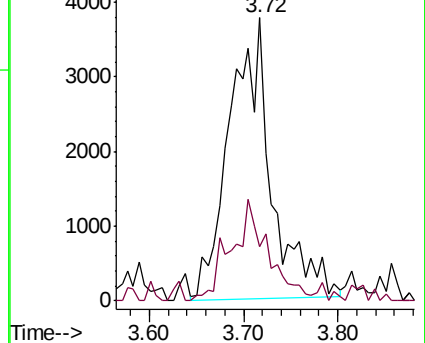
43 100

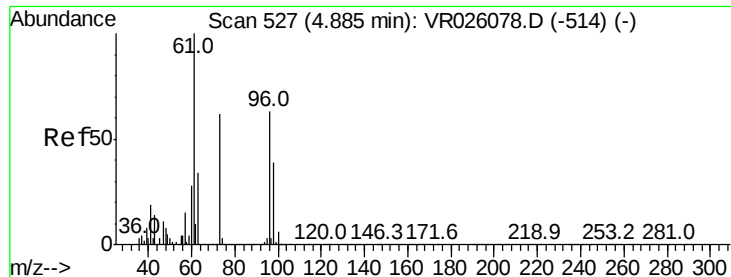
58 20.3 0.0 55.4



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

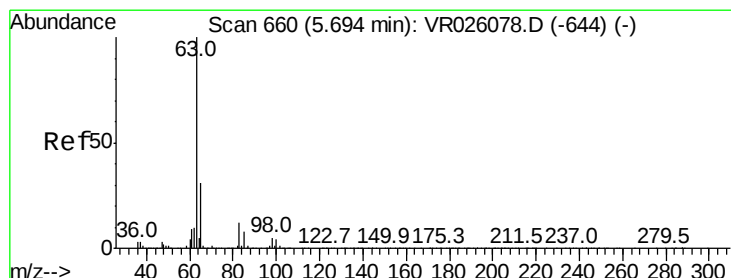
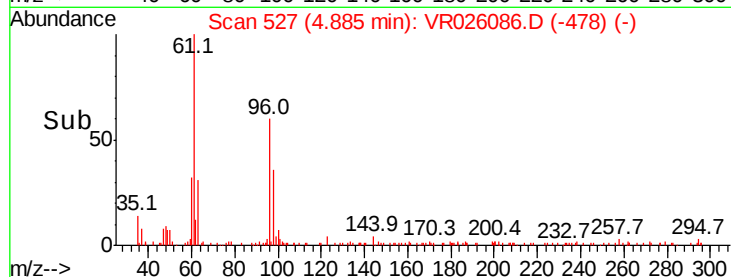
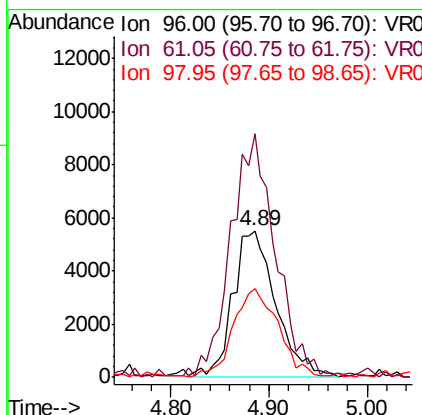
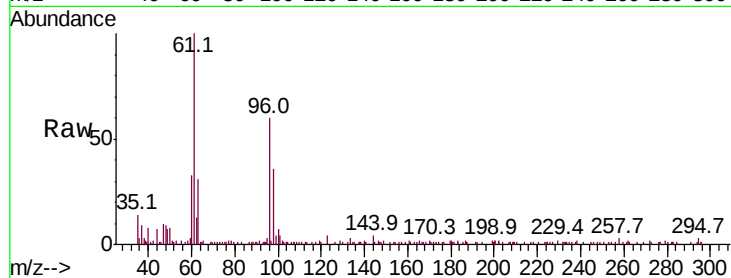




#18
trans-1,2-Dichloroethene
Concen: 0.412 ug/L
RT: 4.89 min Scan# 527
Delta R.T. 0.00 min
Lab File: VR026086.D
Acq: 15 Oct 2018 22:55

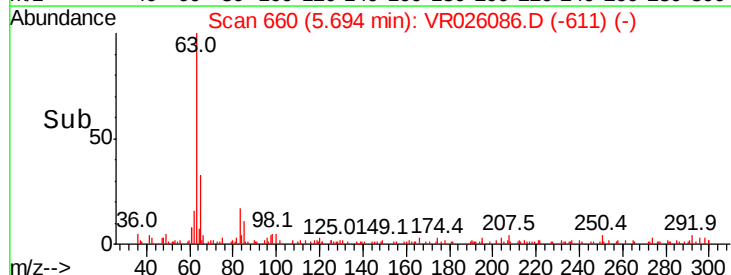
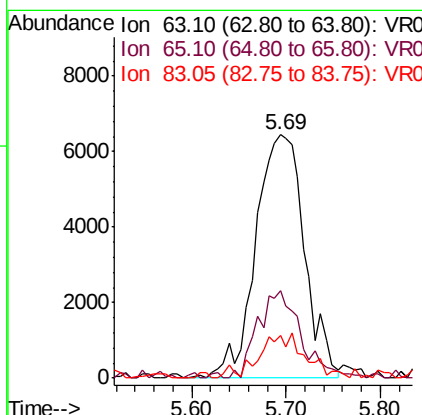
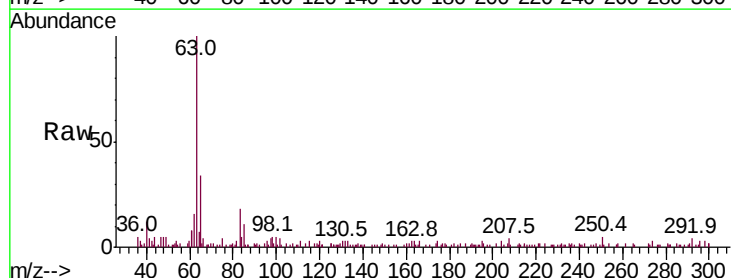
Instrument :
MSVOA_R
ClientSampled :

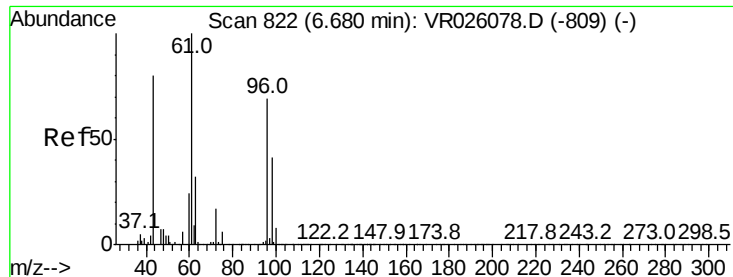
Tot Ion: 96 Resp: 16811
Ion Ratio Lower Upper
96 100
61 166.2 111.4 206.8
98 60.5 41.4 77.0



#19
1,1-Dichloroethane
Concen: 0.303 ug/L
RT: 5.69 min Scan# 660
Delta R.T. 0.00 min
Lab File: VR026086.D
Acq: 15 Oct 2018 22:55

Tgt Ion: 63 Resp: 23222
Ion Ratio Lower Upper
63 100
65 36.0 21.2 39.4
83 17.7 9.2 17.2#



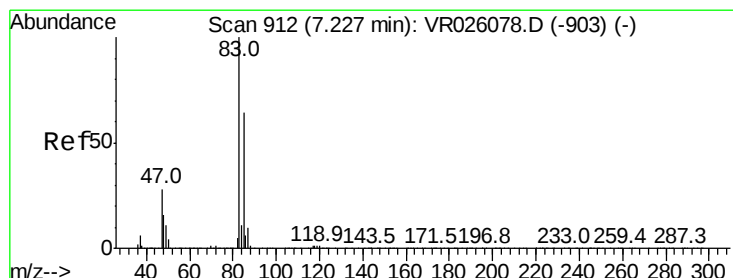
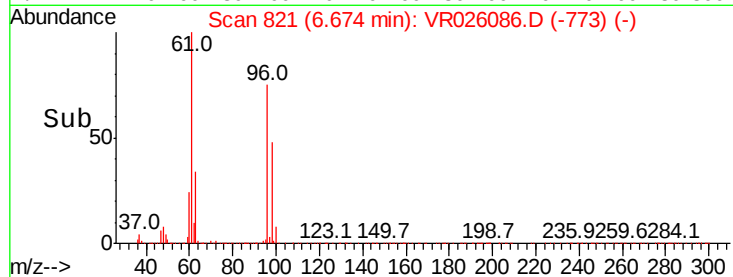
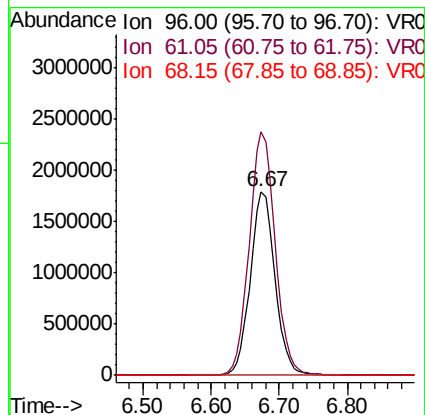
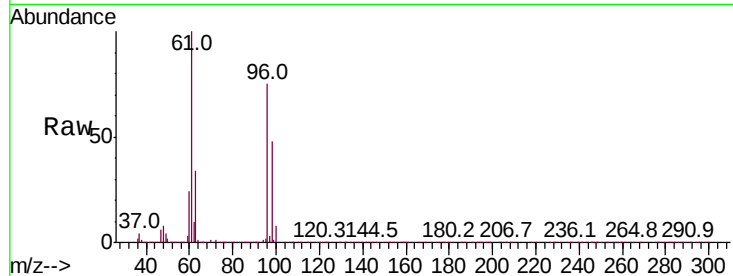


#22

cis-1,2-Dichloroethene
 Concen: 117.664 ug/L
 RT: 6.67 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: VR026086.D
 Acq: 15 Oct 2018 22:55

Instrument :
 MSVOA_R
 ClientSampleId :

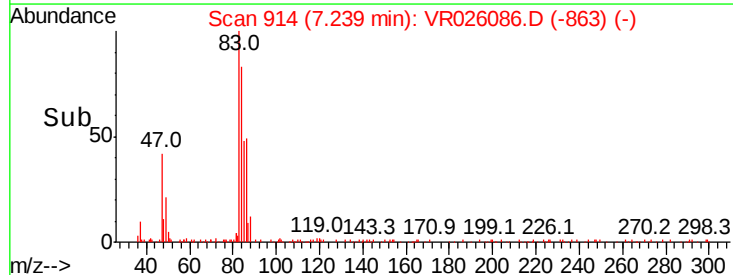
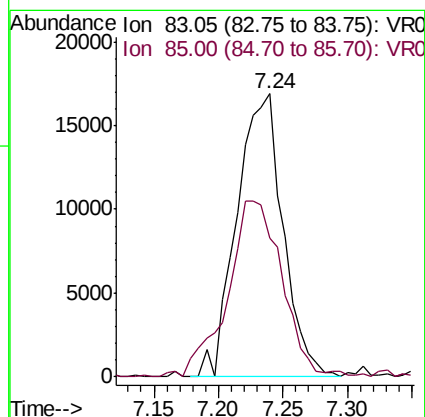
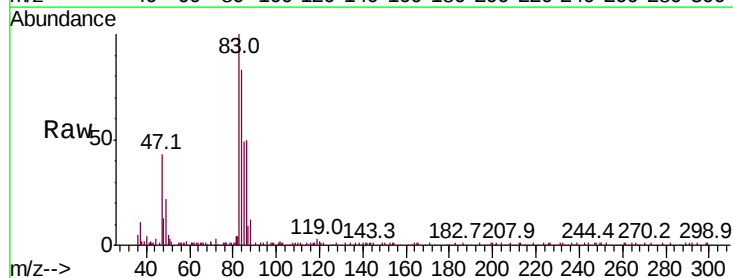
Tot Ion: 96 Resp: 4539267
 Ion Ratio Lower Upper
 96 100
 61 132.6 101.8 189.0
 68 0.0 0.1 0.3#

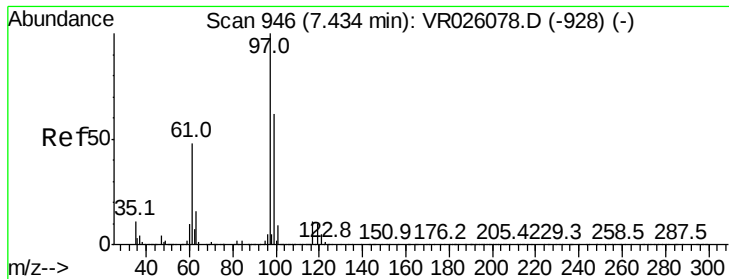


#25

Chloroform
 Concen: 0.560 ug/L
 RT: 7.24 min Scan# 914
 Delta R.T. 0.01 min
 Lab File: VR026086.D
 Acq: 15 Oct 2018 22:55

Tgt Ion: 83 Resp: 41833
 Ion Ratio Lower Upper
 83 100
 85 48.9 43.5 80.7





#29

1,1,1-Trichloroethane

Concen: 0.459 ug/L

RT: 7.43 min Scan# 945

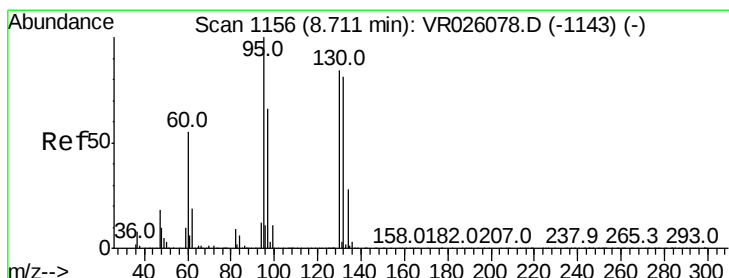
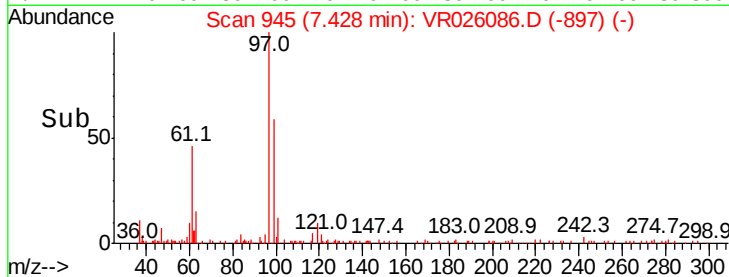
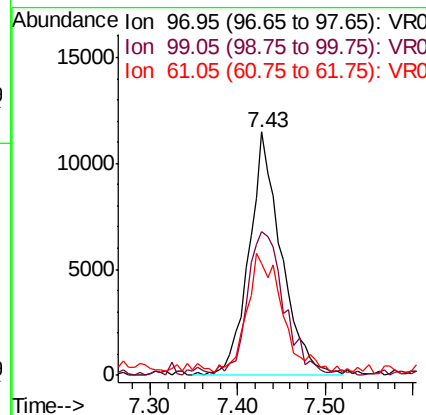
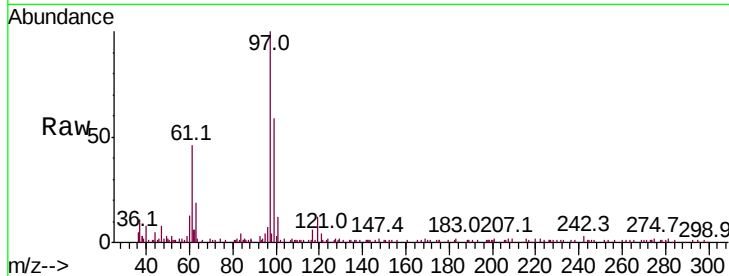
Delta R.T. -0.01 min

Lab File: VR026086.D

Acq: 15 Oct 2018 22:55

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion:	97	Resp:	29296
Ion	Ratio	Lower	Upper
97	100		
99	67.4	51.1	76.7
61	50.7	42.1	63.1



#34

Trichloroethene

Concen: 229.442 ug/L

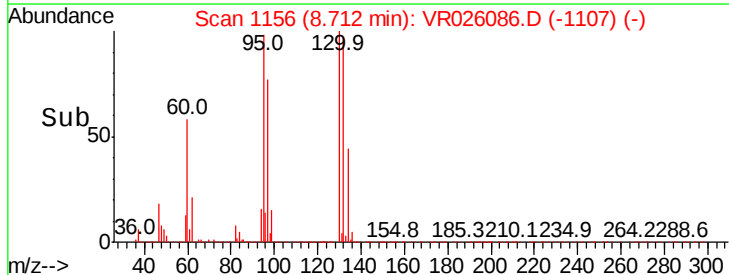
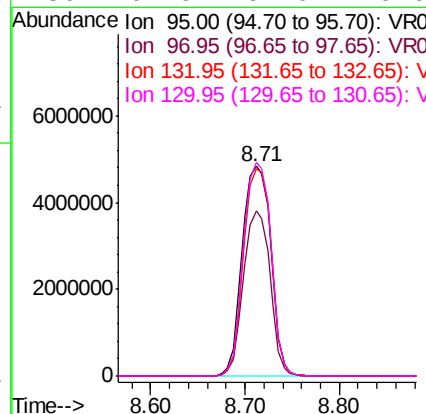
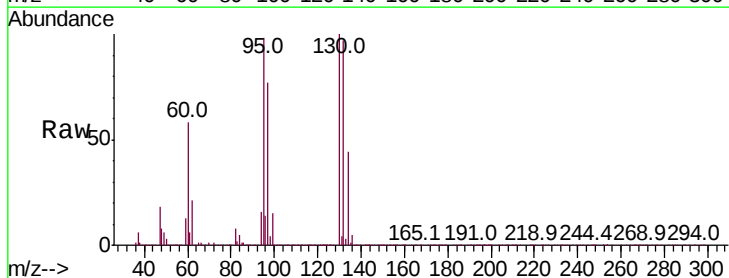
RT: 8.71 min Scan# 1156

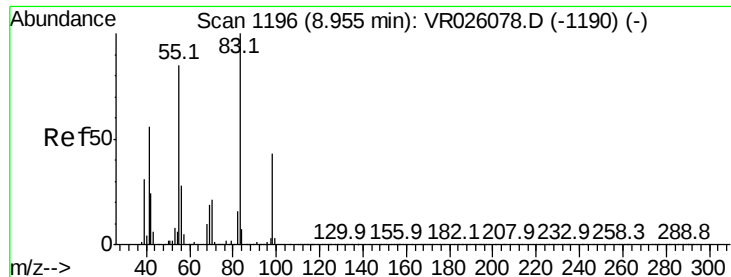
Delta R.T. 0.00 min

Lab File: VR026086.D

Acq: 15 Oct 2018 22:55

Tgt Ion:	95	Resp:	10290510
Ion	Ratio	Lower	Upper
95	100		
97	78.6	45.7	84.9
132	99.2	58.3	108.3
130	101.9	64.0	119.0

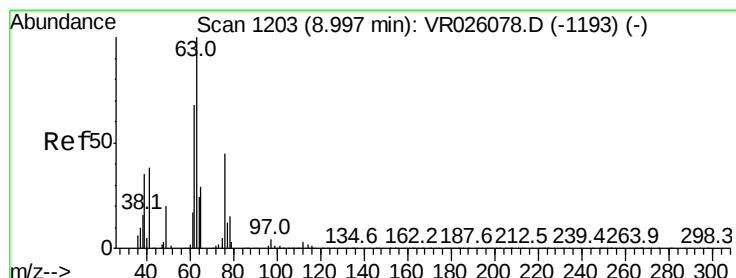
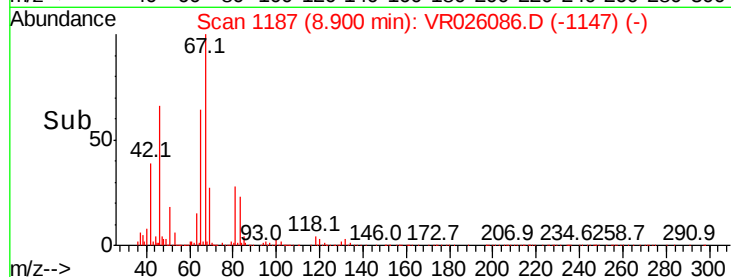
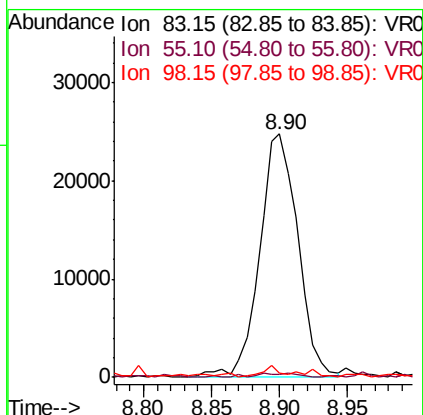
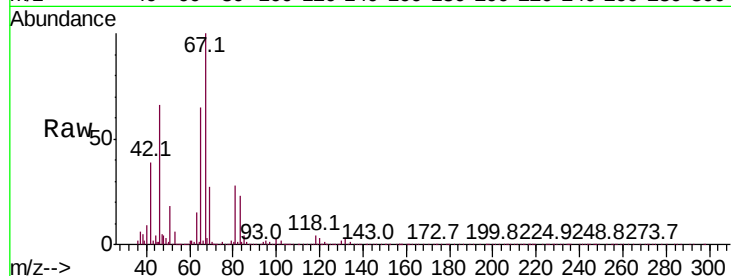




#35
Methvlcvclohexane
Concen: 0.730 ug/L
RT: 8.90 min Scan# 1187
Delta R.T. -0.05 min
Lab File: VR026086.D
Acq: 15 Oct 2018 22:55

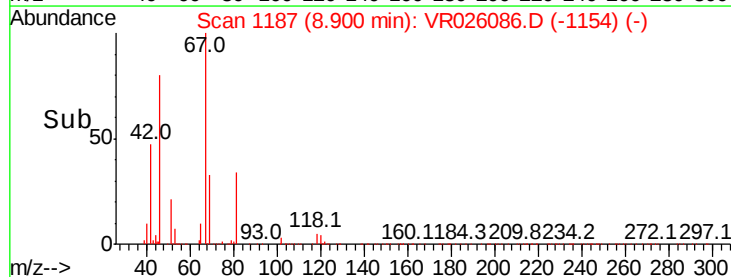
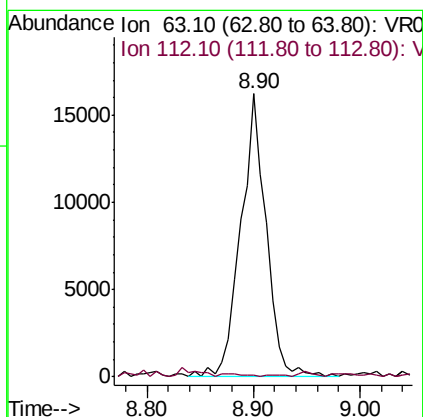
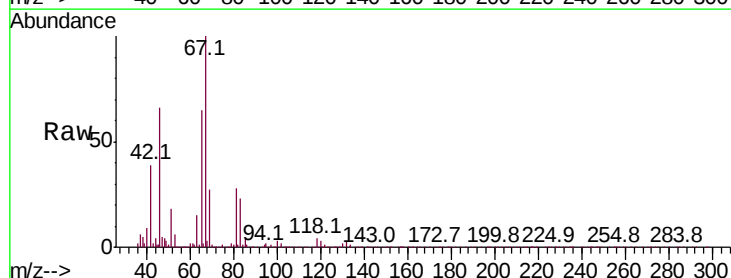
Instrument :
MSVOA_R
ClientSampleId :

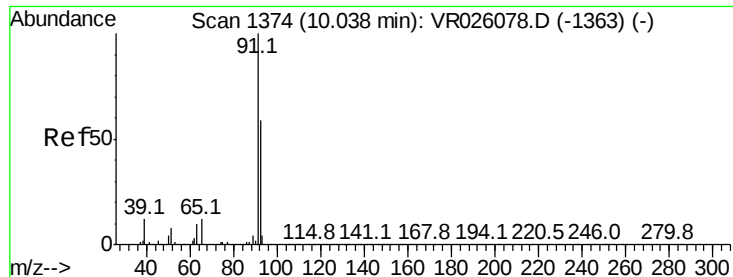
Tot Ion: 83 Resp: 48742
Ion Ratio Lower Upper
83 100
55 2.0 66.8 100.2#
98 0.0 35.2 52.8#



#37
1,2-Dichloropropane
Concen: 0.738 ug/L
RT: 8.90 min Scan# 1187
Delta R.T. -0.10 min
Lab File: VR026086.D
Acq: 15 Oct 2018 22:55

Tgt Ion: 63 Resp: 27298
Ion Ratio Lower Upper
63 100
112 0.5 2.7 4.1#





#42

Toluene

Concen: 0.096 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. -0.01 min

Lab File: VR026086.D

Acq: 15 Oct 2018 22:55

Instrument :

MSVOA_R

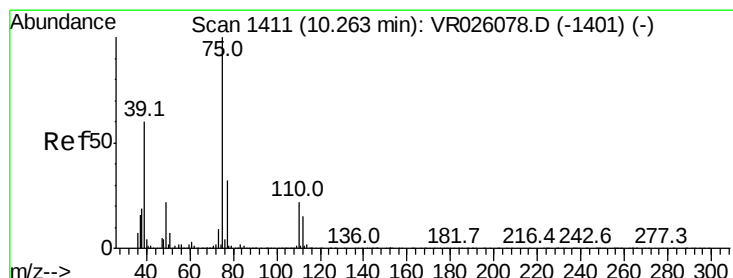
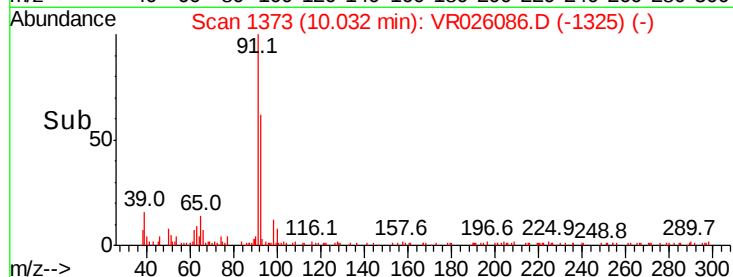
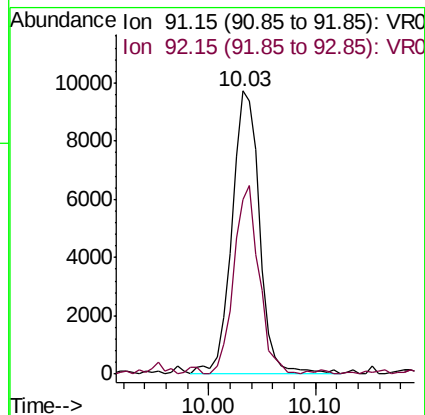
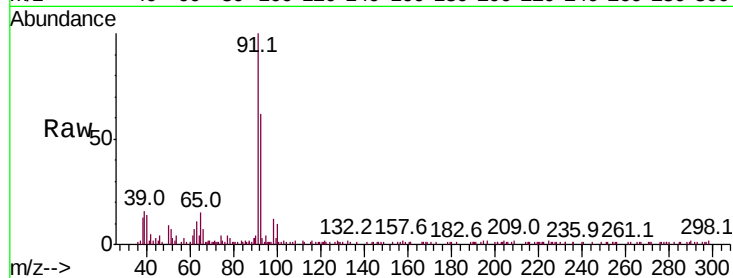
ClientSampled :

Tot Ion: 91 Resp: 17724

Ion Ratio Lower Upper

91 100

92 61.8 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 0.115 ug/L

RT: 10.24 min Scan# 1407

Delta R.T. -0.02 min

Lab File: VR026086.D

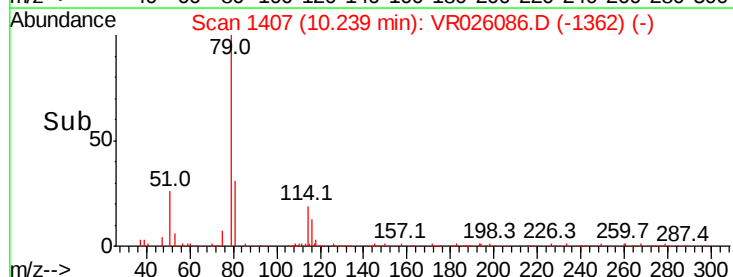
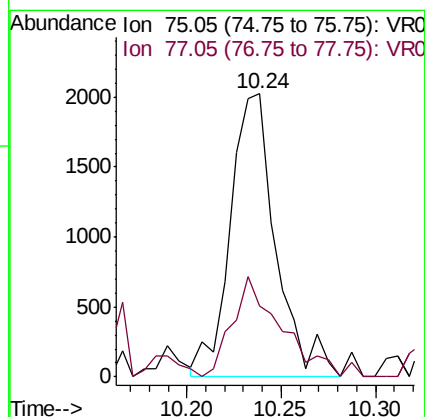
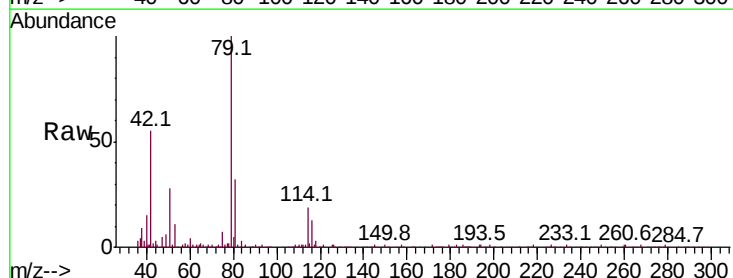
Acq: 15 Oct 2018 22:55

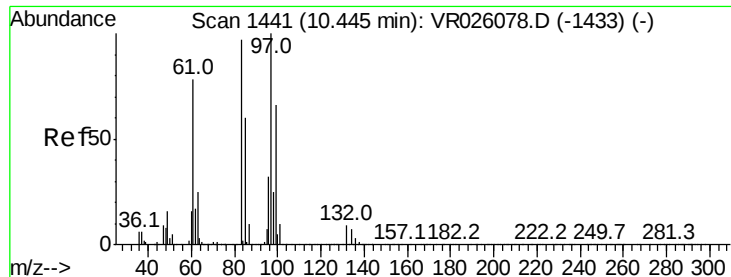
Tgt Ion: 75 Resp: 3400

Ion Ratio Lower Upper

75 100

77 25.2 24.1 44.7





#45

1,1,2-Trichloroethane

Concen: 0.228 ug/L

RT: 10.45 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VR026086.D

Acq: 15 Oct 2018 22:55

Instrument :

MSVOA_R

ClientSampleId :

Tot Ion: 97 Resp: 3561

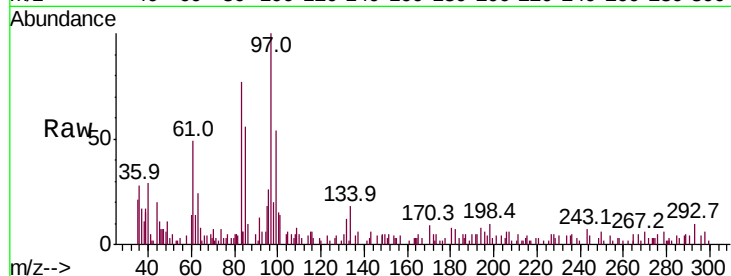
Ion Ratio Lower Upper

97 100

99 53.8 42.8 79.4

83 76.5 61.9 114.9

85 55.6 39.3 72.9

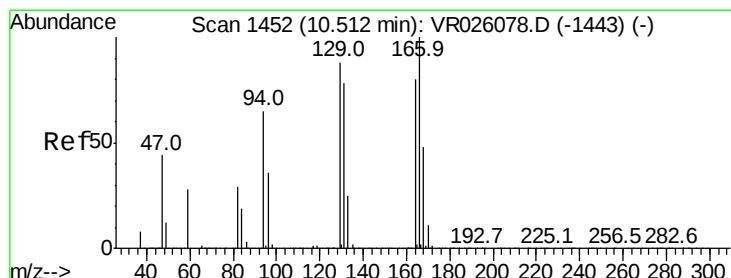
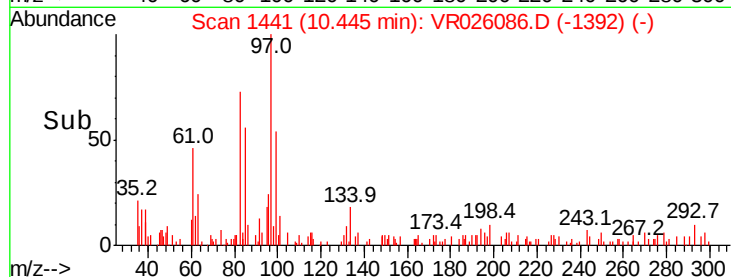
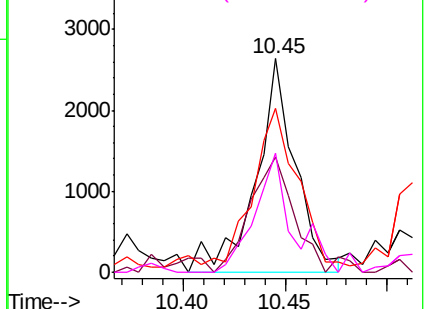


Abundance Ion 96.95 (96.65 to 97.65): VR0

Ion 99.05 (98.75 to 99.75): VR0

Ion 82.95 (82.65 to 83.65): VR0

Ion 85.00 (84.70 to 85.70): VR0



#47

Tetrachloroethene

Concen: 1.175 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. 0.00 min

Lab File: VR026086.D

Acq: 15 Oct 2018 22:55

Tgt Ion: 164 Resp: 37632

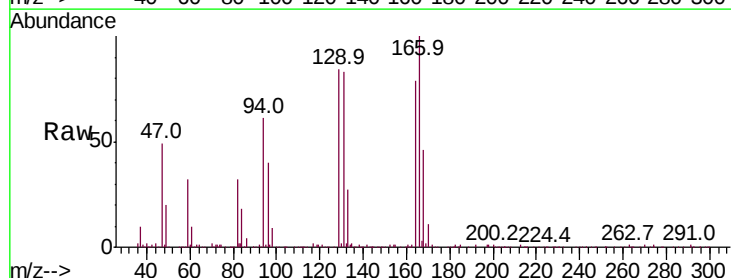
Ion Ratio Lower Upper

164 100

129 105.9 70.3 130.5

131 105.0 67.3 125.1

166 126.2 86.1 159.9

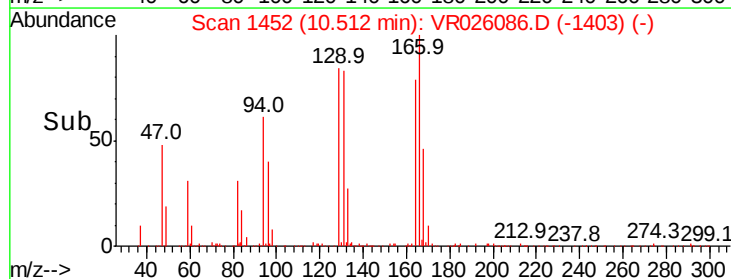
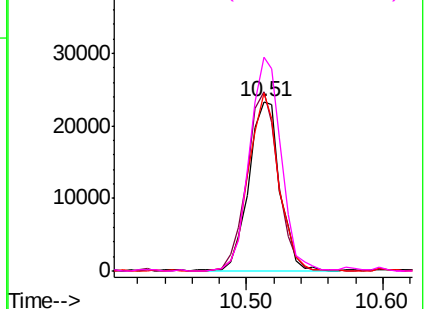


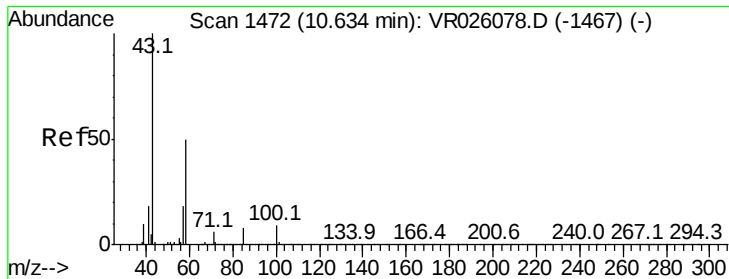
Abundance Ion 163.90 (163.60 to 164.60): V

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

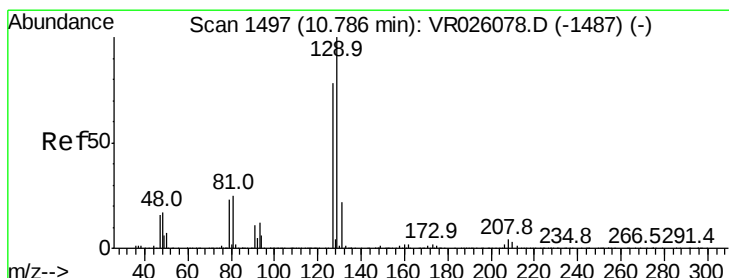
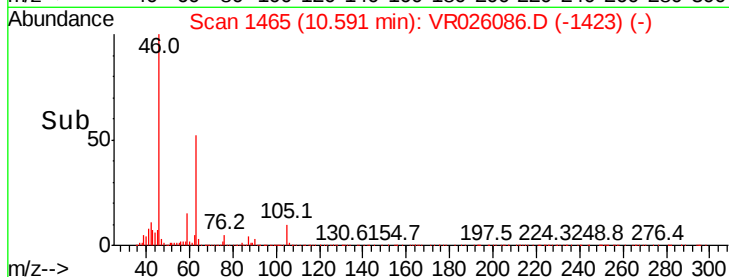
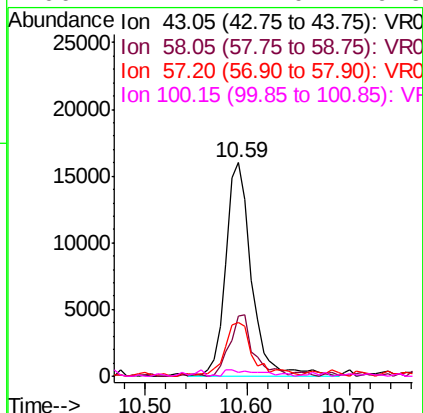
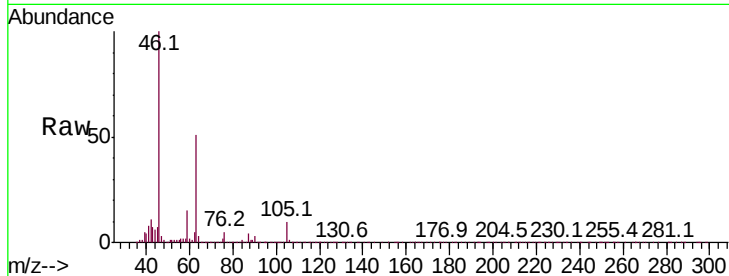




#48
2-Hexanone
Concen: 3.778 ug/L
RT: 10.59 min Scan# 1465
Delta R.T. -0.04 min
Lab File: VR026086.D
Acq: 15 Oct 2018 22:55

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 43 Resp: 27859
Ion Ratio Lower Upper
43 100
58 26.1 39.6 59.4#
57 27.4 14.0 21.0#
100 4.4 7.0 10.6#



#49
Dibromochloromethane
Concen: 1.789 ug/L
RT: 10.51 min Scan# 1452
Delta R.T. -0.27 min
Lab File: VR026086.D
Acq: 15 Oct 2018 22:55

Tgt Ion: 129 Resp: 31389
Ion Ratio Lower Upper
129 100
127 0.0 55.0 102.2#

