

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101218\
 Data File : VR026066.D
 Acq On : 12 Oct 2018 17:44
 Operator : SY/MD
 Sample : J5315-17
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Oct 13 00:57:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR092718WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Oct 13 00:51:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	476262	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	412309	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	138320	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	144981	3.86	ug/L	-0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.20%
7) Chloroethane-d5	2.63	69	141194	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.00%
11) 1,1-Dichloroethene-d2	3.63	63	268326	3.04	ug/L	0.02
Spiked Amount	5.000	Range	60 - 125	Recovery	=	60.80%
20) 2-Butanone-d5	6.59	46	206716	49.37	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.74%
24) Chloroform-d	7.20	84	262268	4.01	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	80.20%
26) 1,2-Dichloroethane-d4	7.90	65	122024	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
32) Benzene-d6	7.85	84	471554	3.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	68.80%#
36) 1,2-Dichloropropane-d6	8.90	67	144528	3.91	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	78.20%
41) Toluene-d8	9.97	98	408076	3.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	63.40%#
43) trans-1,3-Dichloropropene-	10.23	79	30494	3.64	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.80%
46) 2-Hexanone-d5	10.59	63	160290	50.07	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.14%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	63806	4.25	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	85.00%
64) 1,2-Dichlorobenzene-d4	13.52	152	91041	4.11	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	82.20%

Target Compounds

					Ovalue
9) Trichlorofluoromethane	2.93	101	7981	0.140 ug/L #	19
12) 1,1-Dichloroethene	3.63	96	10958	0.305 ug/L #	1
13) Acetone	3.70	43	10953	3.609 ug/L	76
15) Methyl Acetate	4.15	43	899	0.107 ug/L #	61
19) 1,1-Dichloroethane	5.69	63	11047	0.188 ug/L	89
22) cis-1,2-Dichloroethene	6.66	96	3306	0.110 ug/L #	76
25) Chloroform	7.23	83	10208	0.178 ug/L	91
31) Carbon tetrachloride	7.63	117	10501	0.262 ug/L	89
34) Trichloroethene	8.71	95	79762	2.189 ug/L	92
35) Methylcyclohexane	8.90	83	35416	0.646 ug/L #	16
37) 1,2-Dichloropropane	8.89	63	18689	0.630 ug/L #	91
47) Tetrachloroethene	10.51	164	84967	3.784 ug/L	95
48) 2-Hexanone	10.59	43	25155	3.683 ug/L #	73
49) Dibromochloromethane	10.51	129	71457	5.247 ug/L #	11
66) 1,2-Dibromo-3-chloropropan	14.15	75	230	0.168 ug/L #	42

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QLast Update : Sat Oct 13 00:51:09 2018
Response via : Initial Calibration

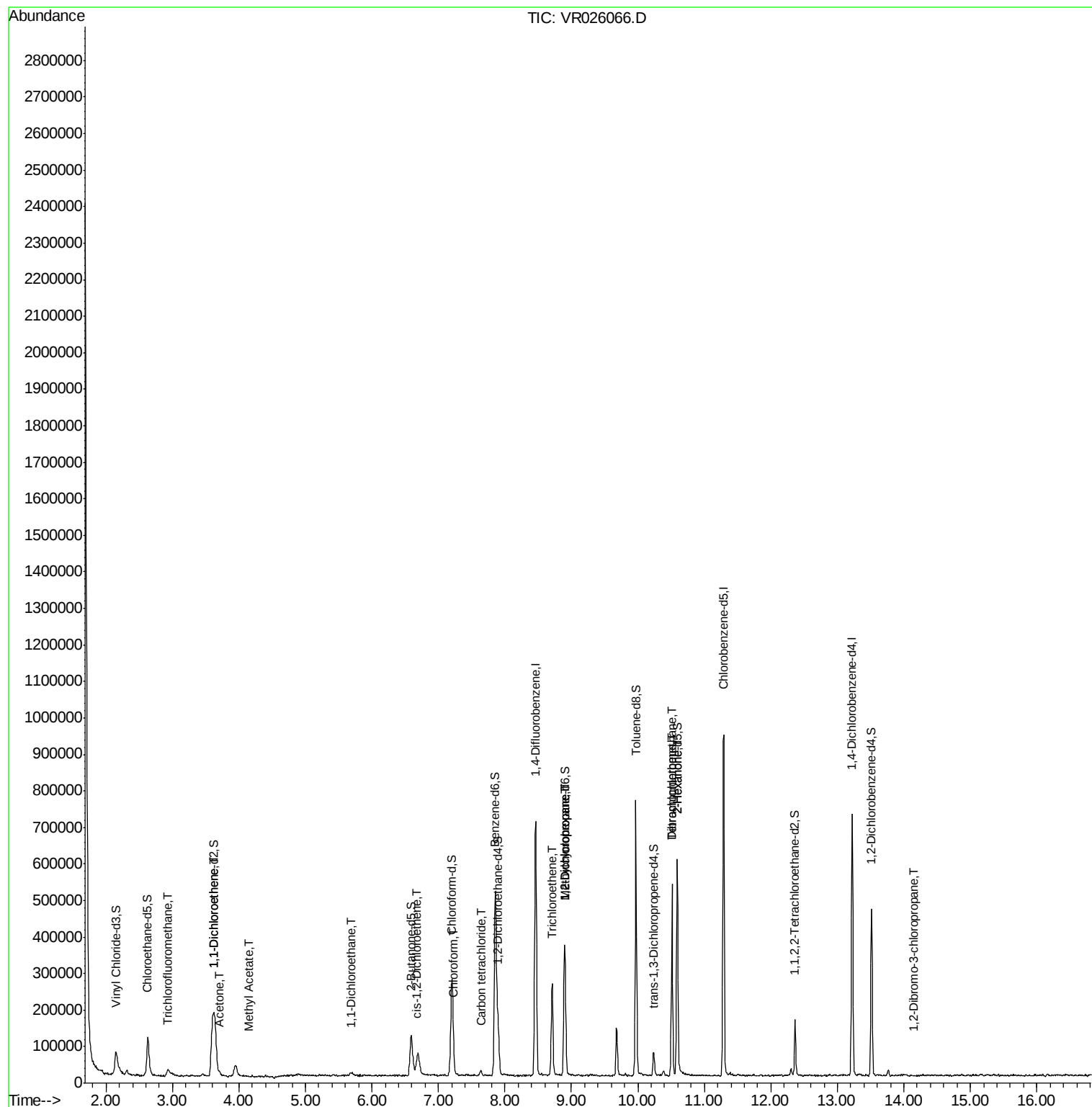
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

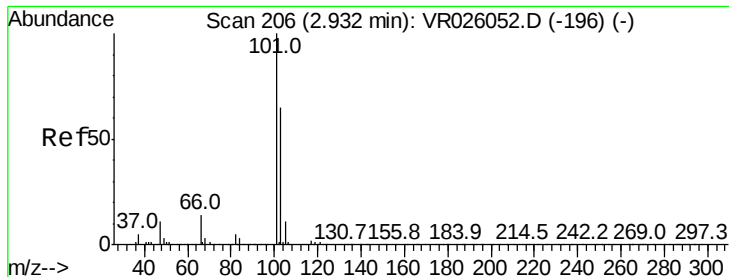
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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#9

Trichlorofluoromethane

Concen: 0.140 ug/L

RT: 2.93 min Scan# 206

Delta R.T. -0.00 min

Lab File: VR026066.D

Acq: 12 Oct 2018 17:44

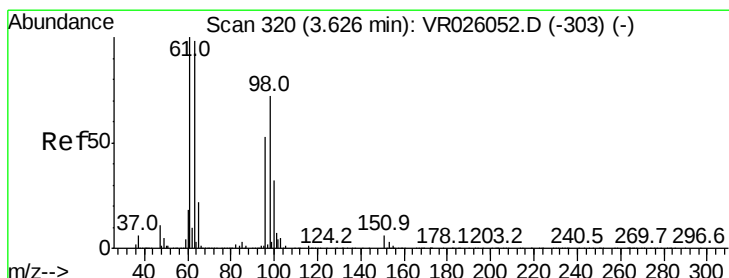
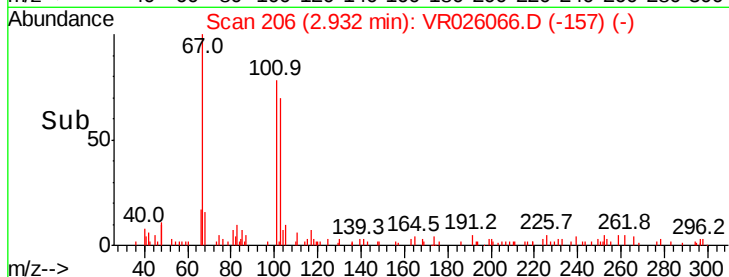
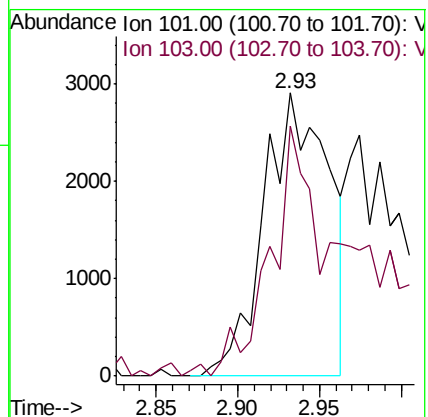
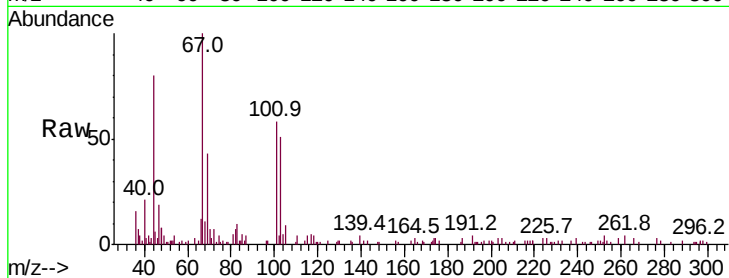
Instrument :
MSVOA_R
ClientSampled :

Tot Ion:101 Resp: 7981

Ion Ratio Lower Upper

101 100

103 69.9 22.1 33.1#



#12

1,1-Dichloroethene

Concen: 0.305 ug/L

RT: 3.63 min Scan# 320

Delta R.T. -0.00 min

Lab File: VR026066.D

Acq: 12 Oct 2018 17:44

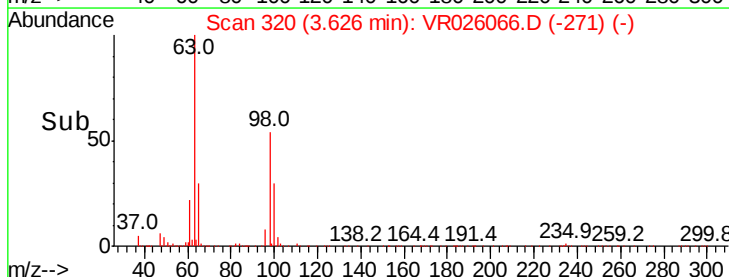
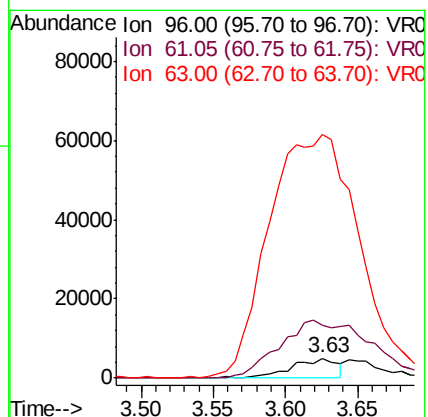
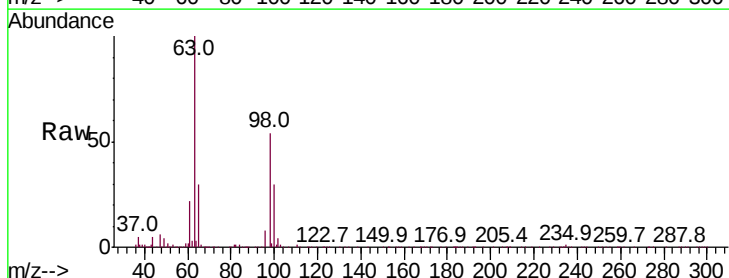
Tgt Ion: 96 Resp: 10958

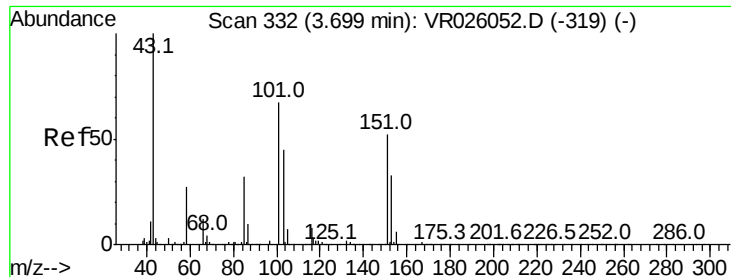
Ion Ratio Lower Upper

96 100

61 263.6 145.0 269.4

63 1212.7 123.8 230.0#





#13

Acetone

Concen: 3.609 ug/L

RT: 3.70 min Scan# 333

Delta R.T. 0.01 min

Lab File: VR026066.D

Acq: 12 Oct 2018 17:44

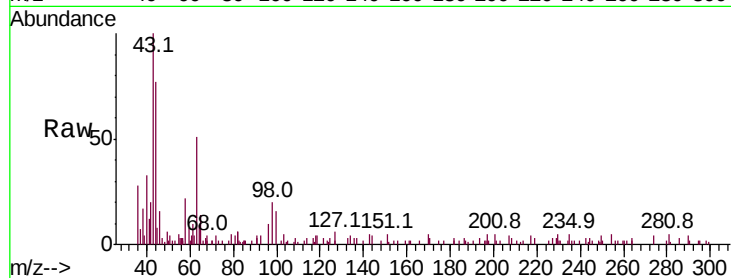
Instrument :
MSVOA_R
ClientSampled :

Tot Ion: 43 Resp: 10953

Ion Ratio Lower Upper

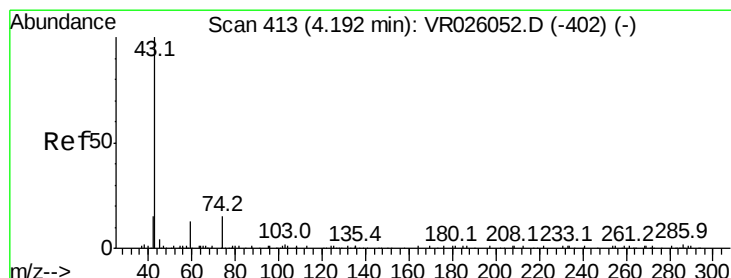
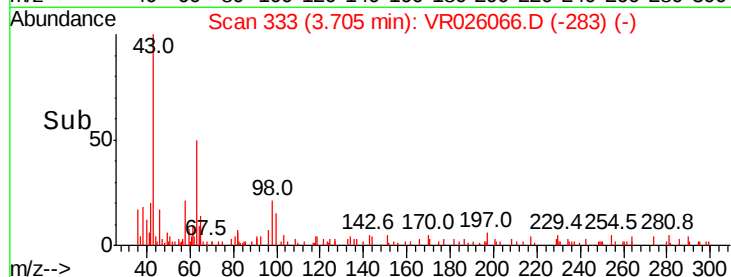
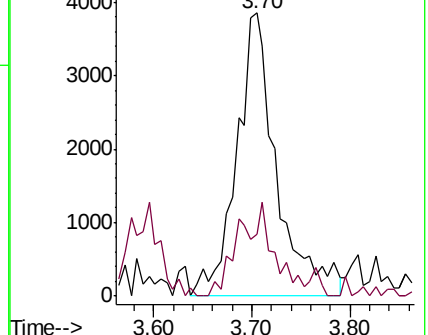
43 100

58 13.7 0.0 51.4



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#15

Methyl Acetate

Concen: 0.107 ug/L

RT: 4.15 min Scan# 406

Delta R.T. -0.04 min

Lab File: VR026066.D

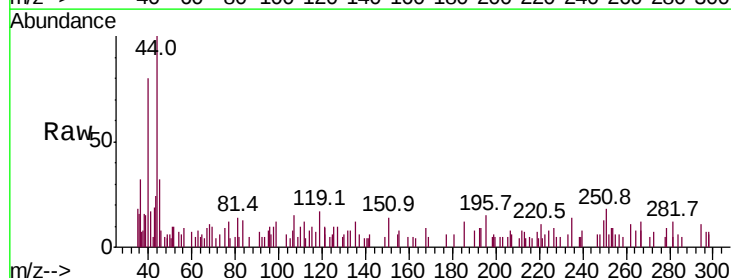
Acq: 12 Oct 2018 17:44

Tgt Ion: 43 Resp: 899

Ion Ratio Lower Upper

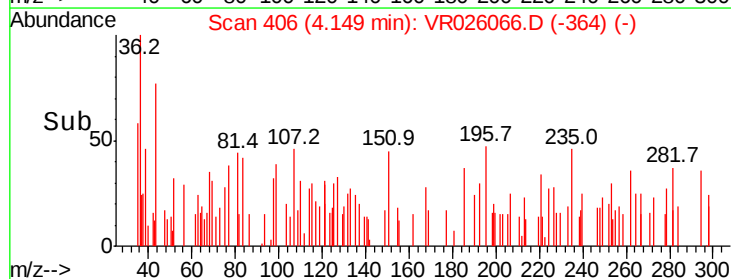
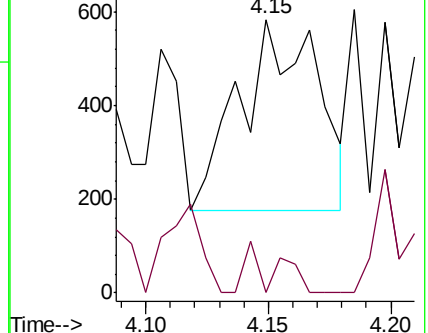
43 100

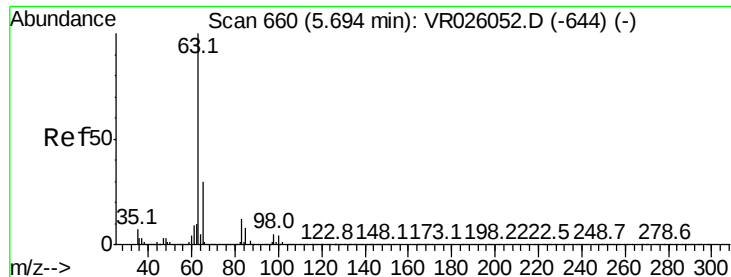
74 4.6 19.0 28.4#



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 74.05 (73.75 to 74.75): VR0





#19

1,1-Dichloroethane

Concen: 0.188 ug/L

RT: 5.69 min Scan# 660

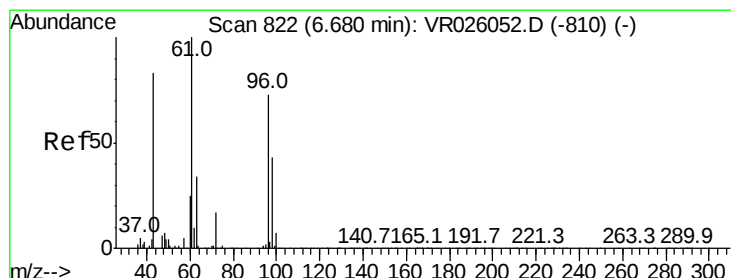
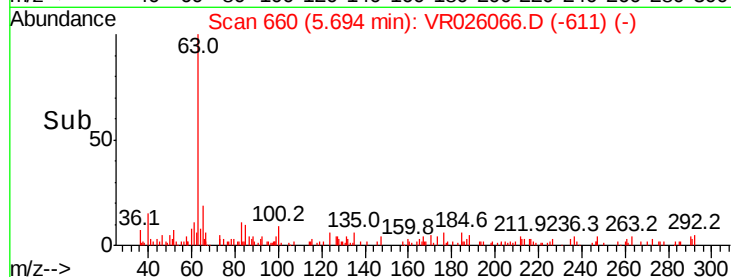
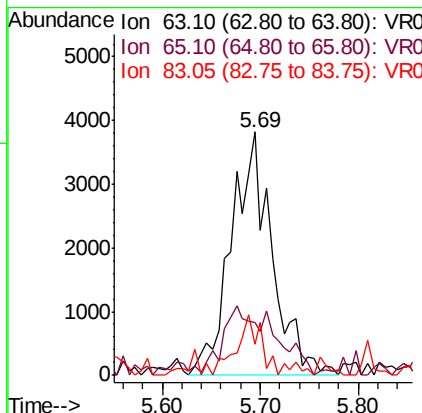
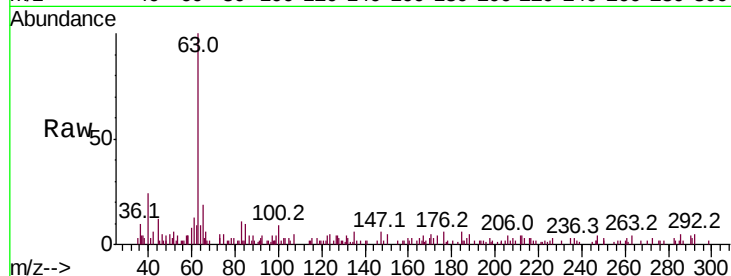
Delta R.T. -0.00 min

Lab File: VR026066.D

Acq: 12 Oct 2018 17:44

Instrument :
MSVOA_R
ClientSampled :

Tot Ion:	63	Resp:	11047
Ion	Ratio	Lower	Upper
63	100		
65	21.9	21.1	39.1
83	12.8	8.9	16.5



#22

cis-1,2-Dichloroethene

Concen: 0.110 ug/L

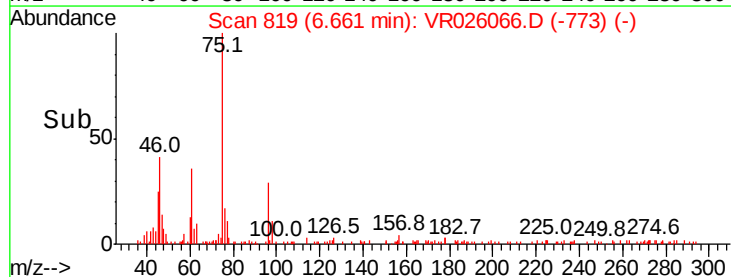
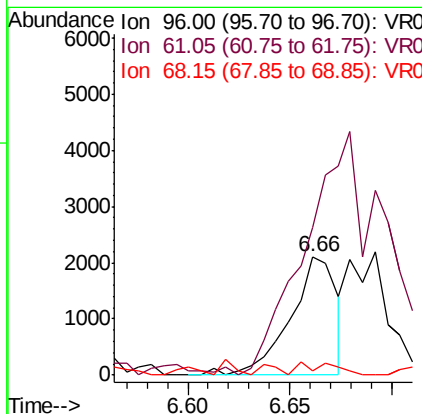
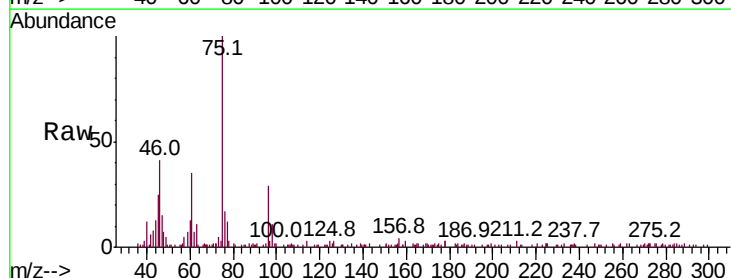
RT: 6.66 min Scan# 819

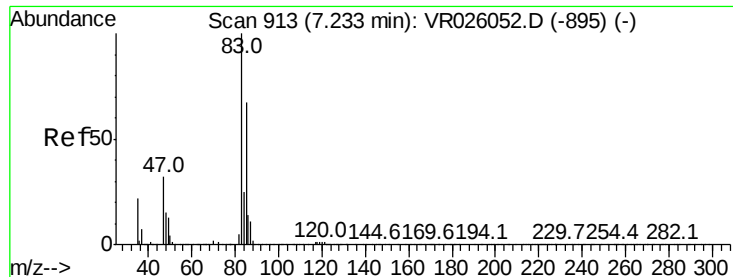
Delta R.T. -0.02 min

Lab File: VR026066.D

Acq: 12 Oct 2018 17:44

Tgt Ion:	96	Resp:	3306
Ion	Ratio	Lower	Upper
96	100		
61	124.4	108.7	201.9
68	3.5	0.1	0.1#





#25

Chloroform

Concen: 0.178 ug/L

RT: 7.23 min Scan# 913

Delta R.T. -0.00 min

Lab File: VR026066.D

Acq: 12 Oct 2018 17:44

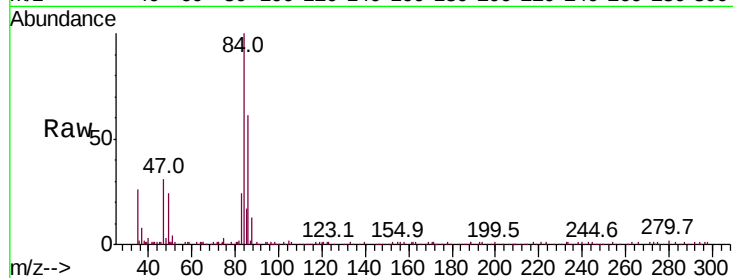
Instrument :
MSVOA_R
ClientSampled :

Tot Ion: 83 Resp: 10208

Ion Ratio Lower Upper

83 100

85 69.4 43.8 81.4



Abundance Ion 83.05 (82.75 to 83.75): VR0

Ion 85.00 (84.70 to 85.70): VR0

7.23

5000

4000

3000

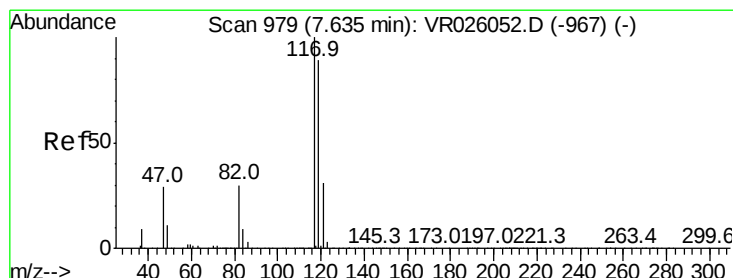
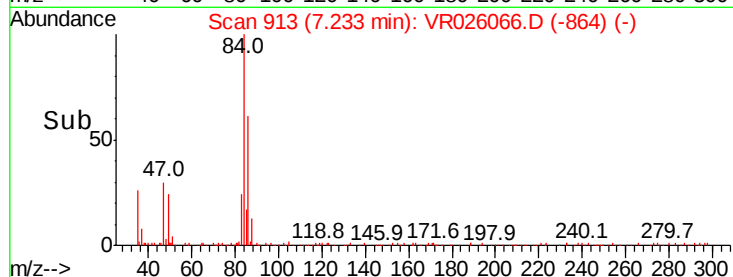
2000

1000

0

7.15 7.20 7.25 7.30

Time-->



#31

Carbon tetrachloride

Concen: 0.262 ug/L

RT: 7.63 min Scan# 979

Delta R.T. -0.00 min

Lab File: VR026066.D

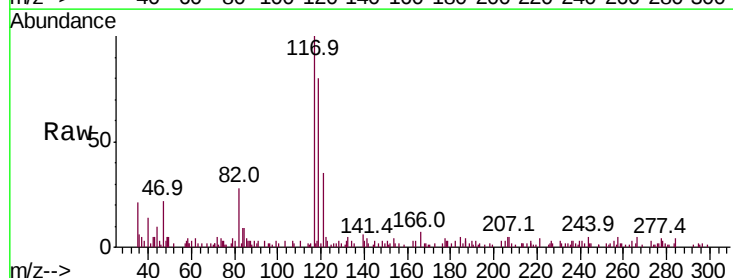
Acq: 12 Oct 2018 17:44

Tgt Ion: 117 Resp: 10501

Ion Ratio Lower Upper

117 100

119 83.5 75.6 113.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

7.63

5000

4000

3000

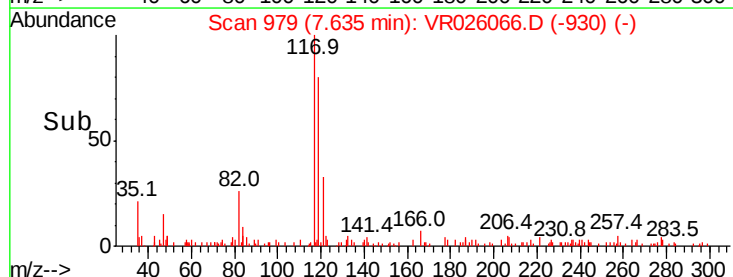
2000

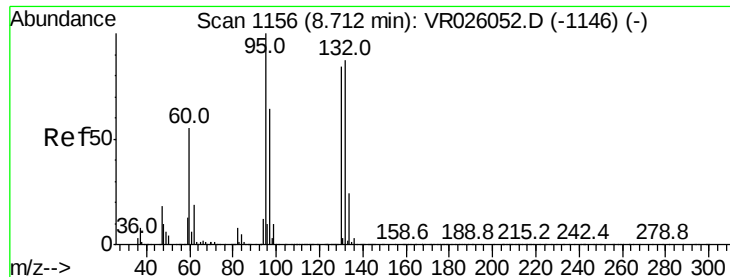
1000

0

7.55 7.60 7.65 7.70

Time-->





#34

Trichloroethene

Concen: 2.189 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VR026066.D

Acq: 12 Oct 2018 17:44

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 95 Resp: 79762

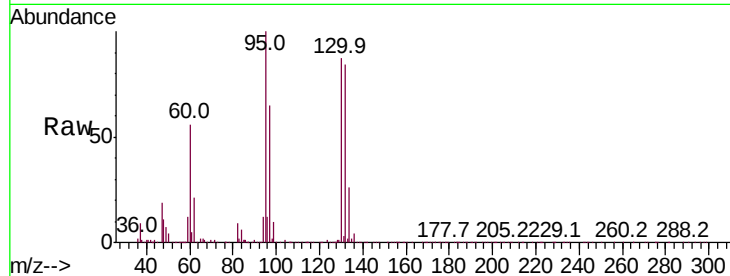
Ion Ratio Lower Upper

95 100

97 64.8 43.9 81.5

132 84.0 53.3 98.9

130 87.5 53.8 99.8

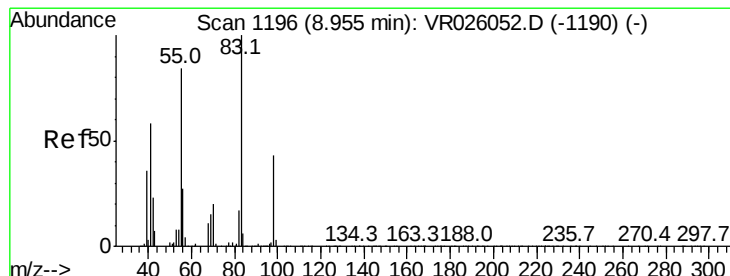
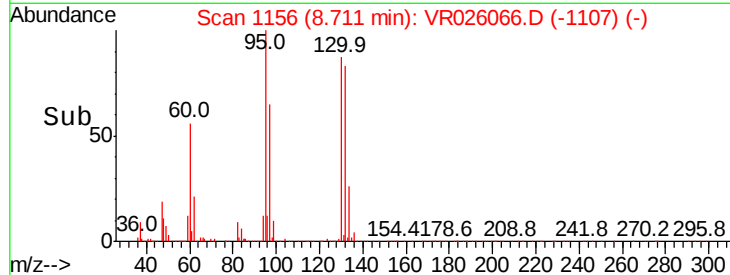
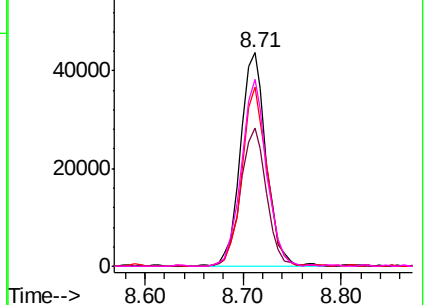


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 0.646 ug/L

RT: 8.90 min Scan# 1187

Delta R.T. -0.05 min

Lab File: VR026066.D

Acq: 12 Oct 2018 17:44

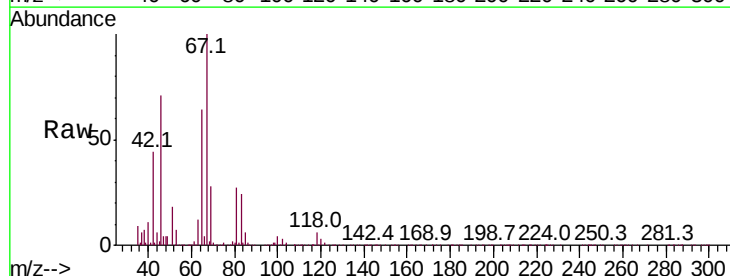
Tgt Ion: 83 Resp: 35416

Ion Ratio Lower Upper

83 100

55 2.2 71.8 107.6#

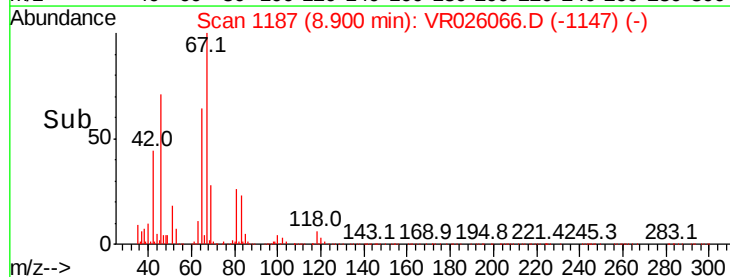
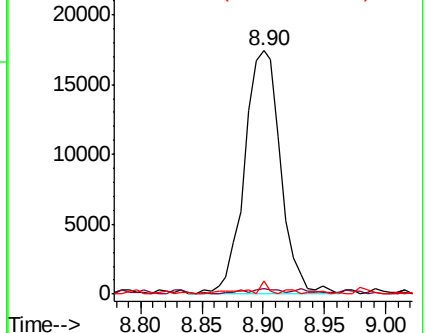
98 1.5 34.2 51.4#

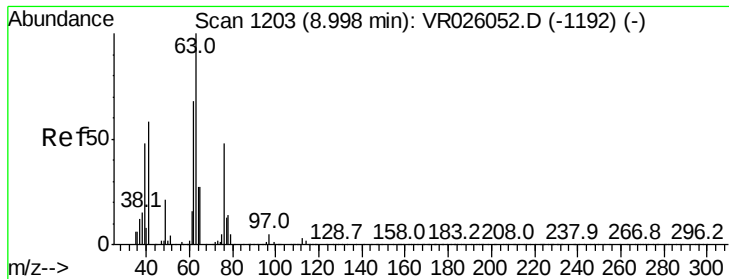


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 0.630 ug/L

RT: 8.89 min Scan# 1186

Delta R.T. -0.10 min

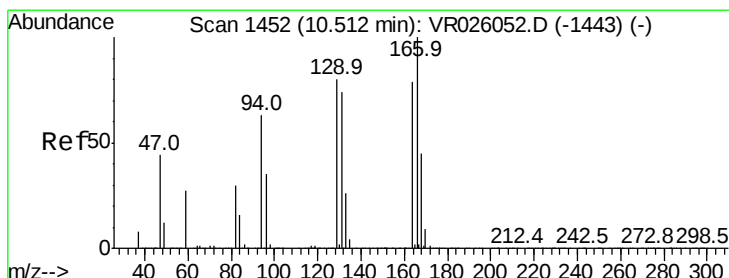
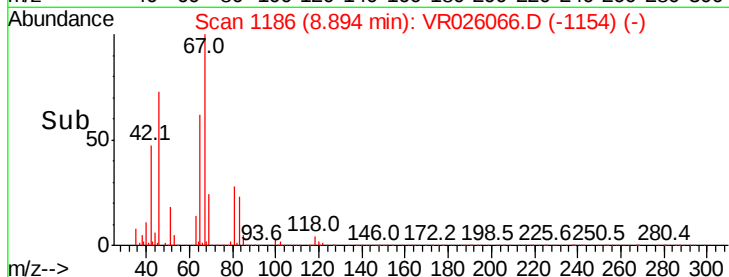
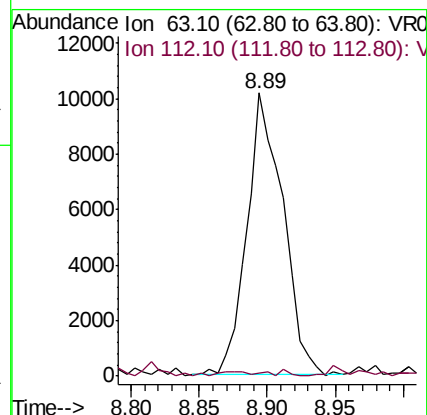
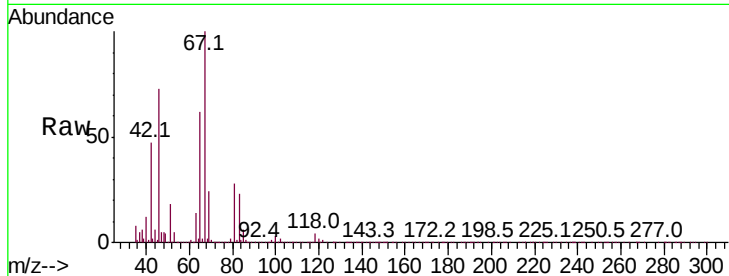
Lab File: VR026066.D

Acq: 12 Oct 2018 17:44

Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 63 Resp: 18689

Ion	Ratio	Lower	Upper
63	100		
112	0.3	2.5	3.7#



#47

Tetrachloroethene

Concen: 3.784 ug/L

RT: 10.51 min Scan# 1452

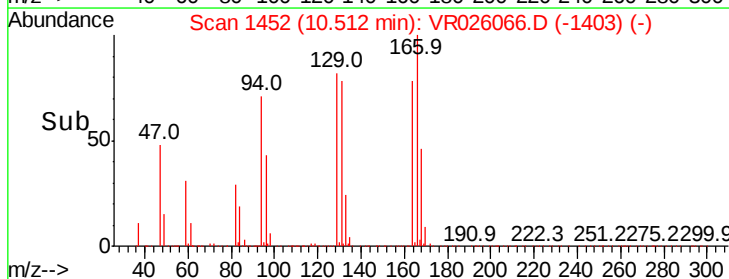
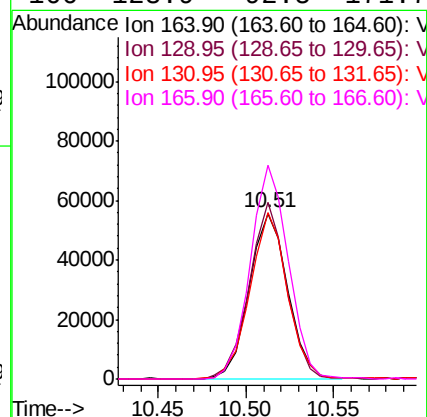
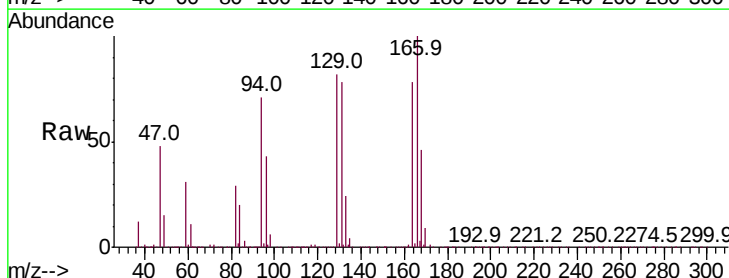
Delta R.T. -0.00 min

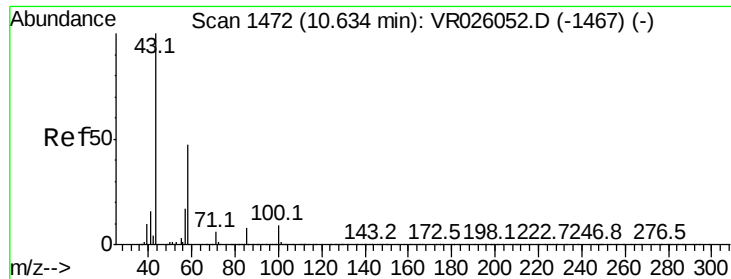
Lab File: VR026066.D

Acq: 12 Oct 2018 17:44

Tgt Ion: 164 Resp: 84967

Ion	Ratio	Lower	Upper
164	100		
129	106.3	80.8	150.2
131	100.8	74.5	138.3
166	128.9	92.5	171.7

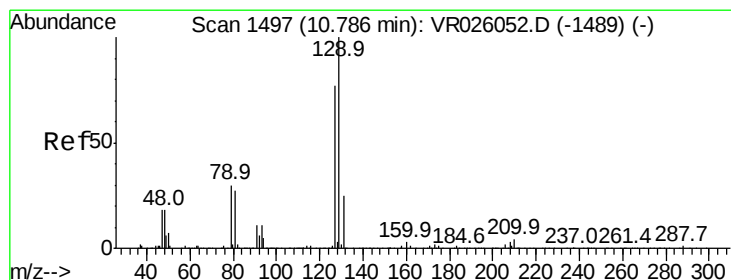
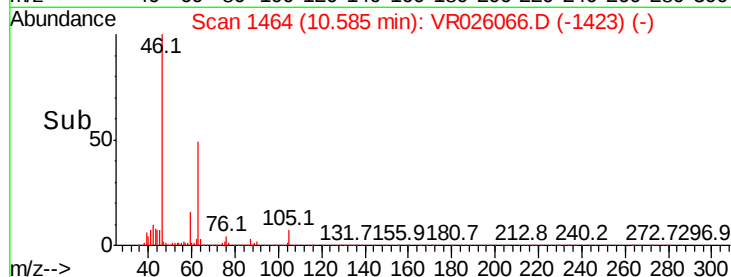
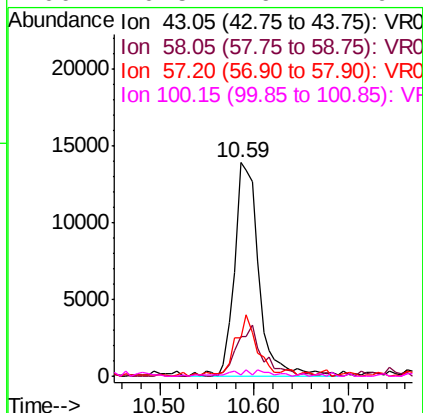
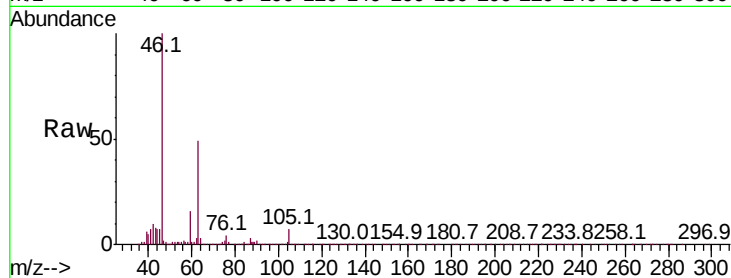




#48
2-Hexanone
Concen: 3.683 ug/L
RT: 10.59 min Scan# 1464
Delta R.T. -0.05 min
Lab File: VR026066.D
Acq: 12 Oct 2018 17:44

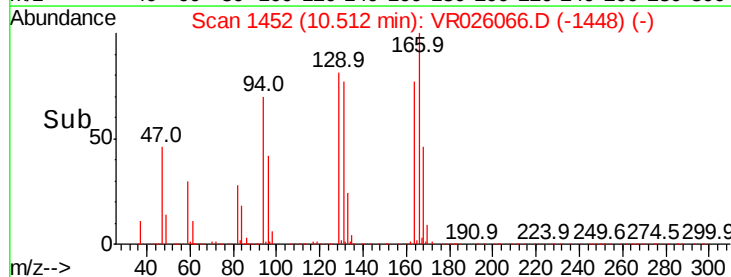
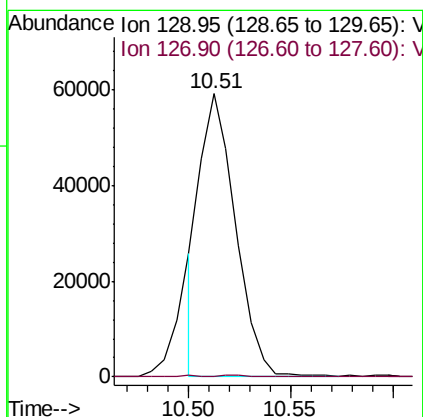
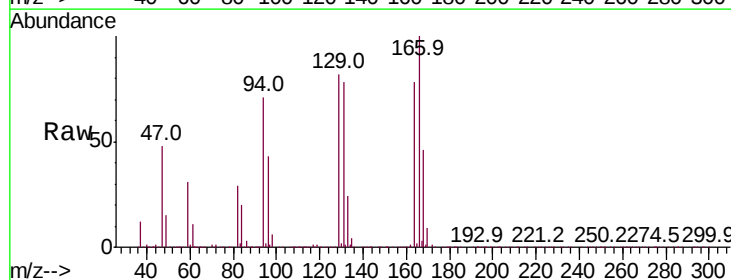
Instrument :
MSVOA_R
ClientSampled :

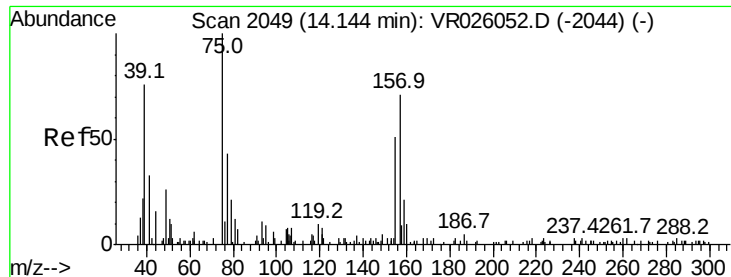
Tot Ion: 43 Resp: 25155
Ion Ratio Lower Upper
43 100
58 25.5 39.5 59.3#
57 22.3 14.6 21.8#
100 0.5 6.7 10.1#



#49
Dibromochloromethane
Concen: 5.247 ug/L
RT: 10.51 min Scan# 1452
Delta R.T. -0.27 min
Lab File: VR026066.D
Acq: 12 Oct 2018 17:44

Tgt Ion: 129 Resp: 71457
Ion Ratio Lower Upper
129 100
127 0.3 54.1 100.5#





#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.168 ug/L
 RT: 14.15 min Scan# 2050
 Delta R.T. 0.01 min
 Lab File: VR026066.D
 Acq: 12 Oct 2018 17:44

Instrument :
 MSVOA_R
 ClientSampleId :

Tot Ion: 75 Resp: 230
 Ion Ratio Lower Upper
 75 100
 155 66.1 37.8 56.6#
 157 0.0 49.7 74.5#

