

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR101218\
 Data File : VR026054.D
 Acq On : 12 Oct 2018 10:52
 Operator : SY/MD
 Sample : J5315-18
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :

Quant Time: Oct 13 00:55:07 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	495176	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	419449	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	142063	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	186653	4.78	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	95.60%
7) Chloroethane-d5	2.63	69	171459	5.37	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	107.40%
11) 1,1-Dichloroethene-d2	3.62	63	357639	3.90	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	78.00%
20) 2-Butanone-d5	6.59	46	192564	44.23	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.46%
24) Chloroform-d	7.20	84	287330	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	84.60%
26) 1,2-Dichloroethane-d4	7.90	65	130604	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
32) Benzene-d6	7.85	84	576862	4.13	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.60%
36) 1,2-Dichloropropane-d6	8.90	67	161564	4.29	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	85.80%
41) Toluene-d8	9.97	98	531814	4.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.00%
43) trans-1,3-Dichloropropene-	10.23	79	32163	3.77	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.40%
46) 2-Hexanone-d5	10.59	63	148322	45.55	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.10%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	63412	4.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.00%
64) 1,2-Dichlorobenzene-d4	13.52	152	98229	4.32	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	86.40%

Target Compounds

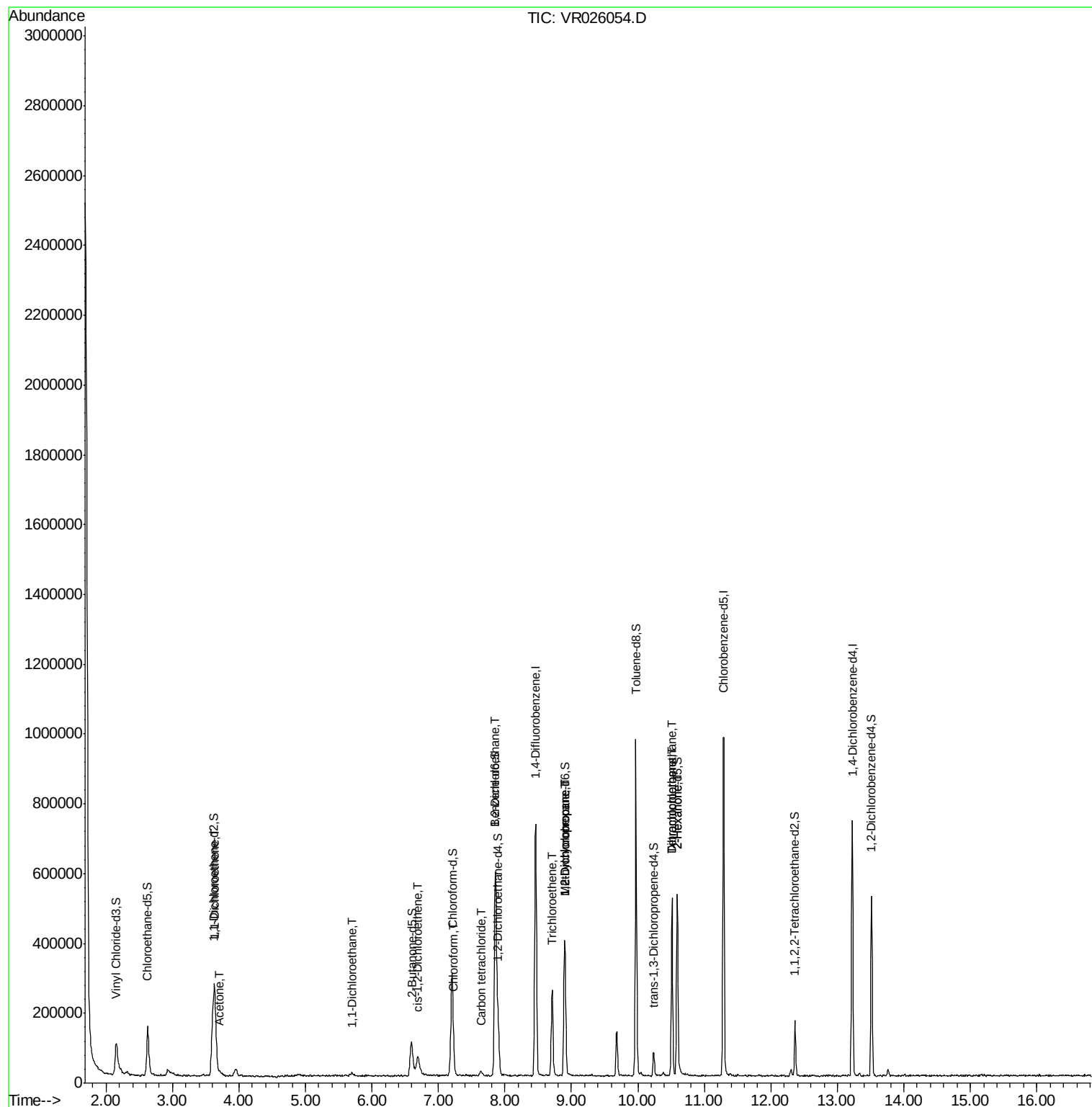
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
12) 1,1-Dichloroethene	3.63	96	10485	0.281	ug/L #	1
13) Acetone	3.70	43	6777	2.148	ug/L	94
19) 1,1-Dichloroethane	5.69	63	12376	0.202	ug/L #	86
22) cis-1,2-Dichloroethene	6.68	96	6536	0.210	ug/L #	98
25) Chloroform	7.23	83	10107	0.170	ug/L #	69
27) 1,2-Dichloroethane	7.85	62	4634	0.156	ug/L	99
31) Carbon tetrachloride	7.63	117	9846	0.241	ug/L	99
34) Trichloroethene	8.71	95	80769	2.179	ug/L	97
35) Methylcyclohexane	8.90	83	38935	0.699	ug/L #	16
37) 1,2-Dichloropropane	8.90	63	21932	0.727	ug/L #	98
47) Tetrachloroethene	10.51	164	84716	3.709	ug/L	91
48) 2-Hexanone	10.59	43	23284	3.351	ug/L #	75
49) Dibromochloromethane	10.51	129	72693	5.247	ug/L #	12

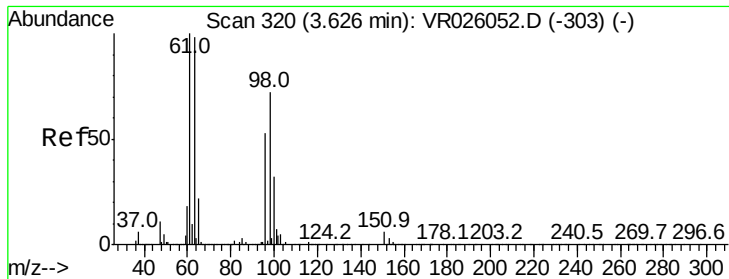
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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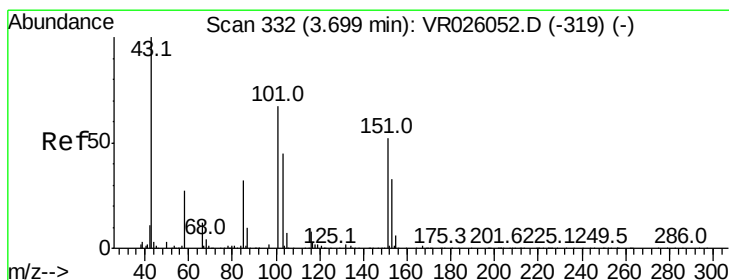
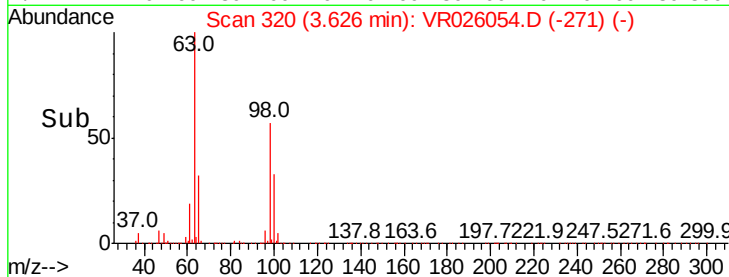
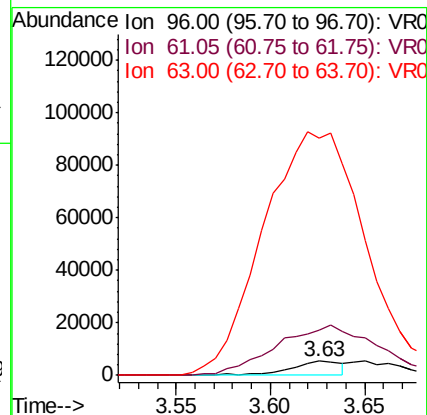
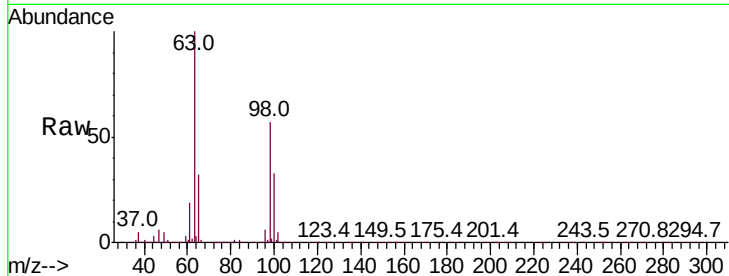




#12
1,1-Dichloroethene
Concen: 0.281 ug/L
RT: 3.63 min Scan# 320
Delta R.T. -0.00 min
Lab File: VR026054.D
Acq: 12 Oct 2018 10:52

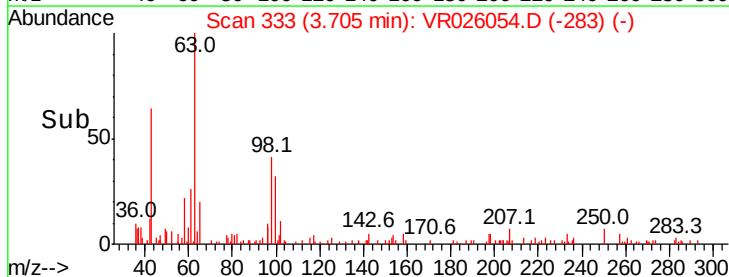
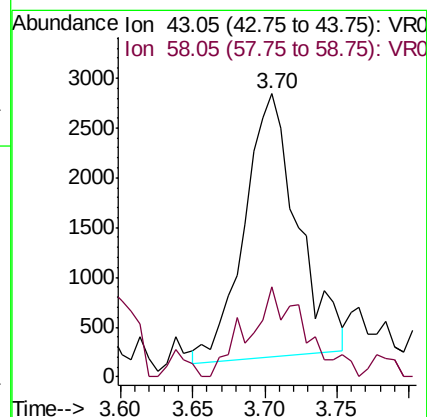
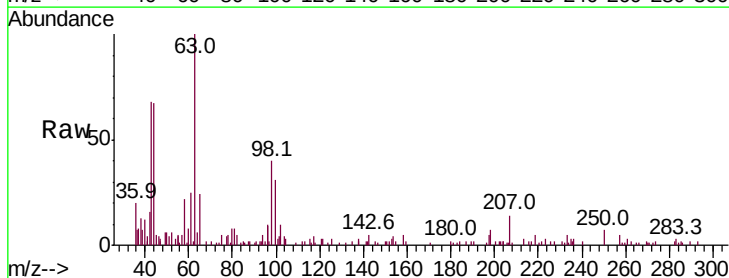
Instrument :
MSVOA_R
ClientSampleId :

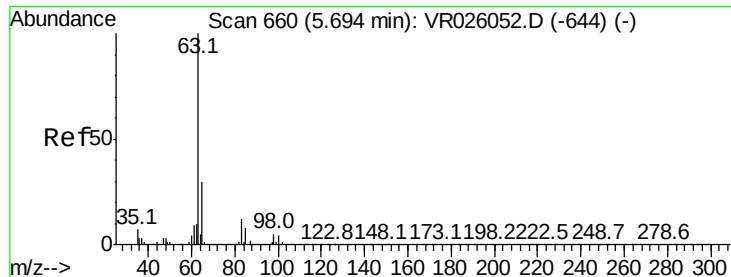
Tot Ion: 96 Resp: 10485
Ion Ratio Lower Upper
96 100
61 323.8 145.0 269.4#
63 1685.7 123.8 230.0#



#13
Acetone
Concen: 2.148 ug/L
RT: 3.70 min Scan# 333
Delta R.T. 0.01 min
Lab File: VR026054.D
Acq: 12 Oct 2018 10:52

Tgt Ion: 43 Resp: 6777
Ion Ratio Lower Upper
43 100
58 28.9 0.0 51.4

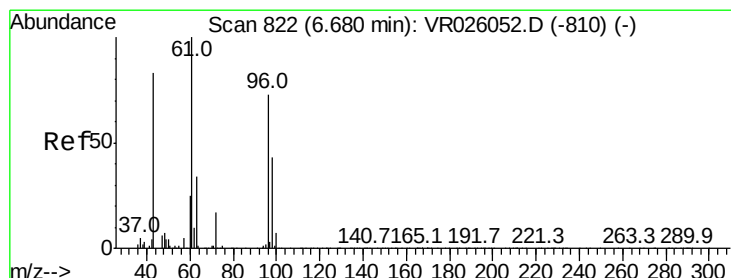
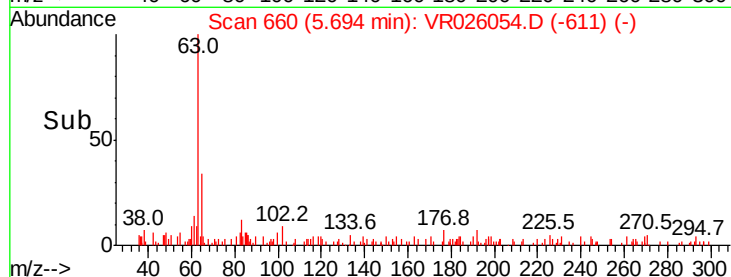
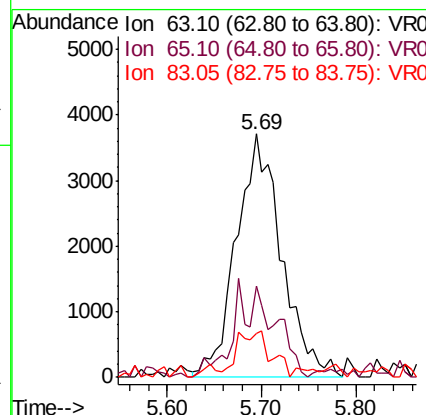
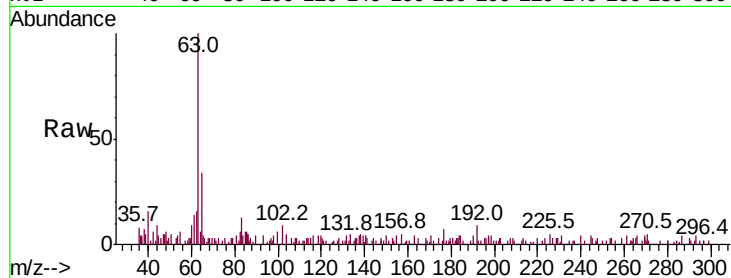




#19
 1,1-Dichloroethane
 Concen: 0.202 ug/L
 RT: 5.69 min Scan# 660
 Delta R.T. -0.00 min
 Lab File: VR026054.D
 Acq: 12 Oct 2018 10:52

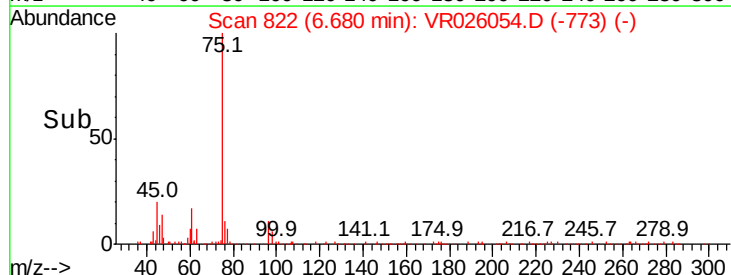
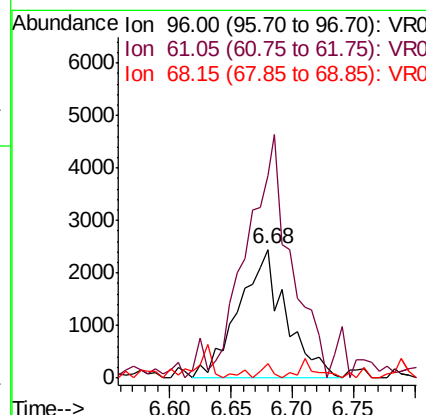
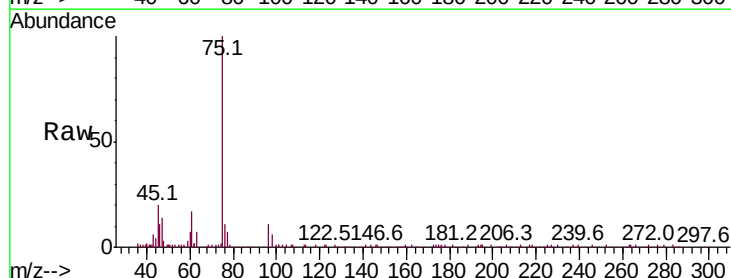
Instrument :
 MSVOA_R
 ClientSampleId :

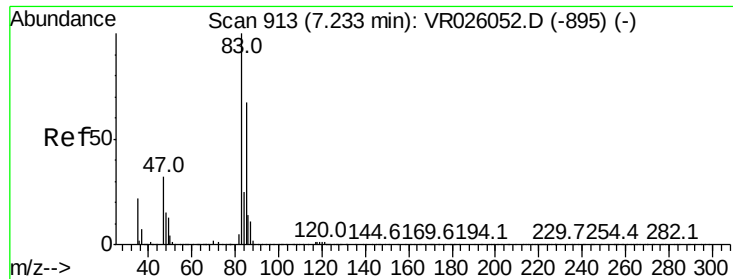
Tot Ion	Ratio	Lower	Upper
63	100		
65	37.7	21.1	39.1
83	17.8	8.9	16.5



#22
 cis-1,2-Dichloroethene
 Concen: 0.210 ug/L
 RT: 6.68 min Scan# 822
 Delta R.T. -0.00 min
 Lab File: VR026054.D
 Acq: 12 Oct 2018 10:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.5	108.7	201.9
68	11.6	0.1	0.1





#25

Chloroform

Concen: 0.170 ug/L

RT: 7.23 min Scan# 913

Delta R.T. -0.00 min

Lab File: VR026054.D

Acq: 12 Oct 2018 10:52

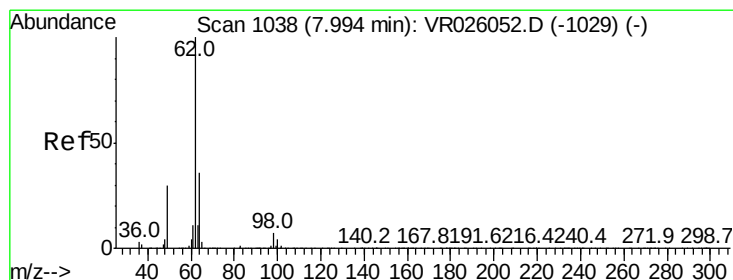
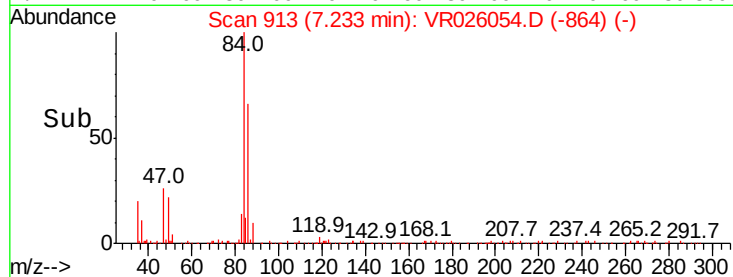
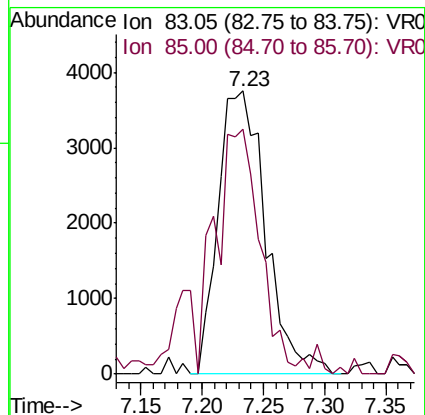
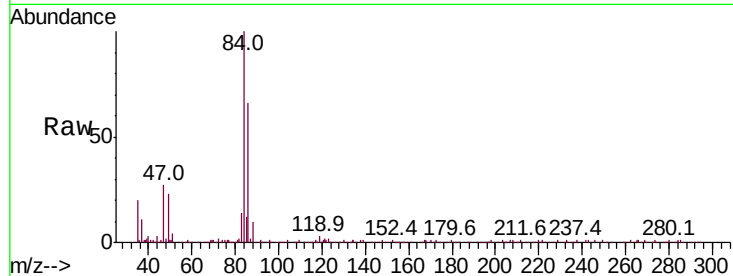
Instrument :
MSVOA_R
ClientSampleId :

Tot Ion: 83 Resp: 10107

Ion Ratio Lower Upper

83 100

85 86.6 43.8 81.4#



#27

1,2-Dichloroethane

Concen: 0.156 ug/L

RT: 7.85 min Scan# 1015

Delta R.T. -0.14 min

Lab File: VR026054.D

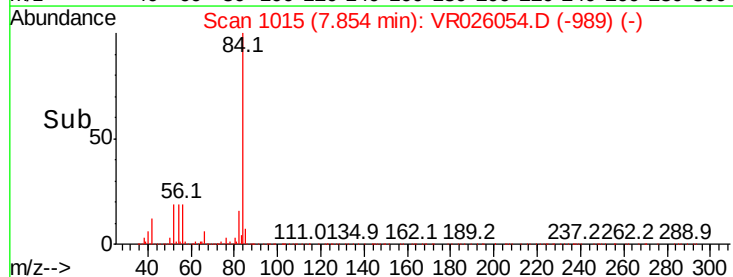
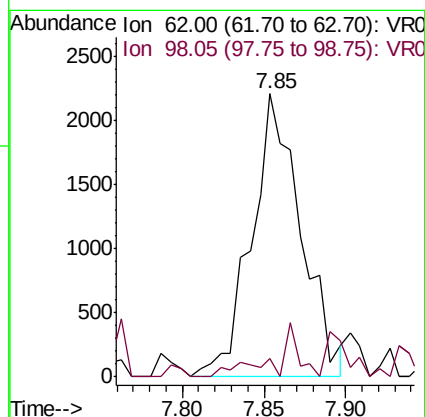
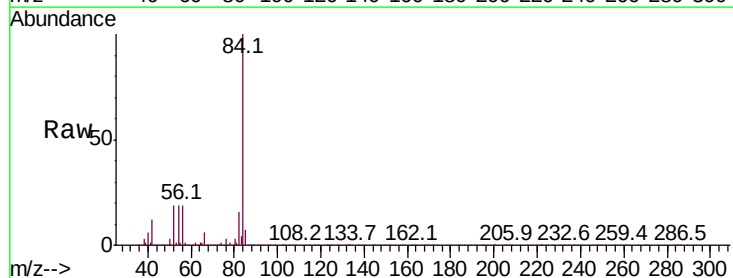
Acq: 12 Oct 2018 10:52

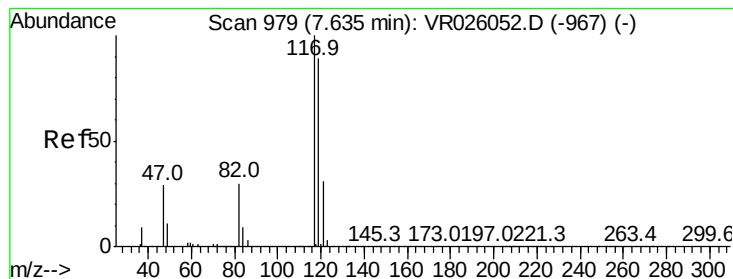
Tgt Ion: 62 Resp: 4634

Ion Ratio Lower Upper

62 100

98 6.7 5.2 7.8





#31

Carbon tetrachloride

Concen: 0.241 ug/L

RT: 7.63 min Scan# 979

Delta R.T. -0.00 min

Lab File: VR026054.D

Acq: 12 Oct 2018 10:52

Instrument :

MSVOA_R

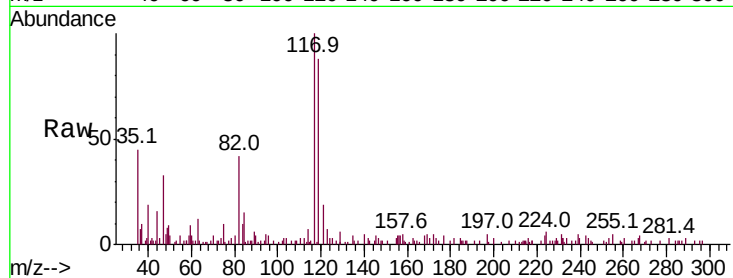
ClientSampleId :

Tot Ion:117 Resp: 9846

Ion Ratio Lower Upper

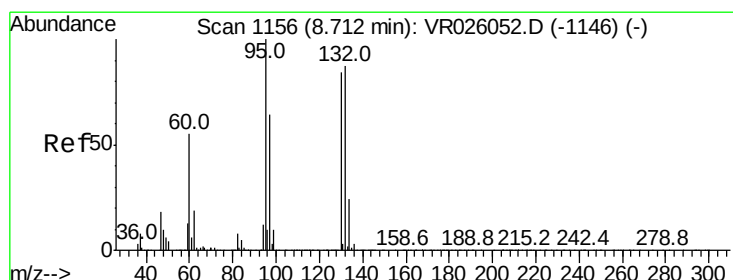
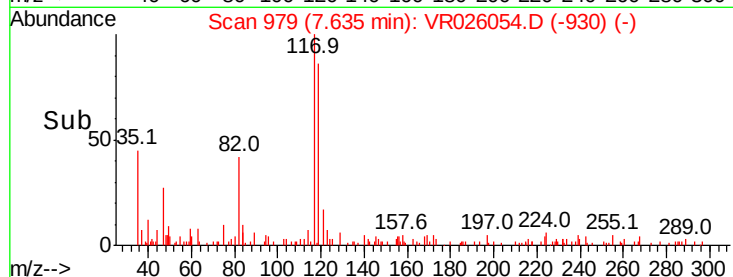
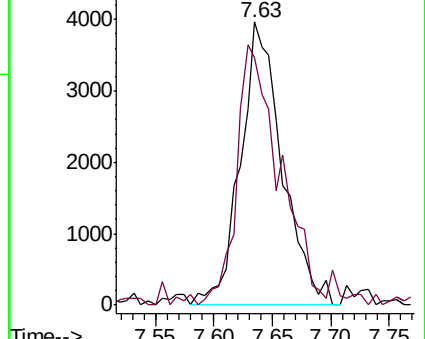
117 100

119 95.2 75.6 113.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#34

Trichloroethene

Concen: 2.179 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VR026054.D

Acq: 12 Oct 2018 10:52

Tgt Ion: 95 Resp: 80769

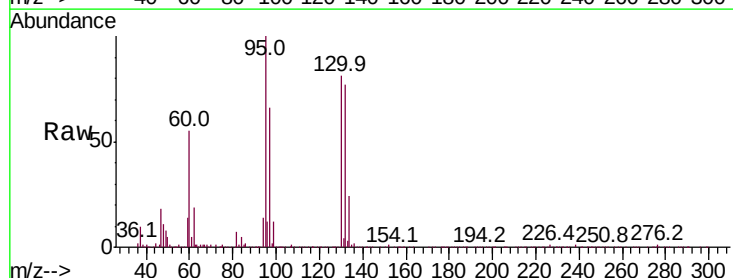
Ion Ratio Lower Upper

95 100

97 66.5 43.9 81.5

132 76.9 53.3 98.9

130 81.0 53.8 99.8

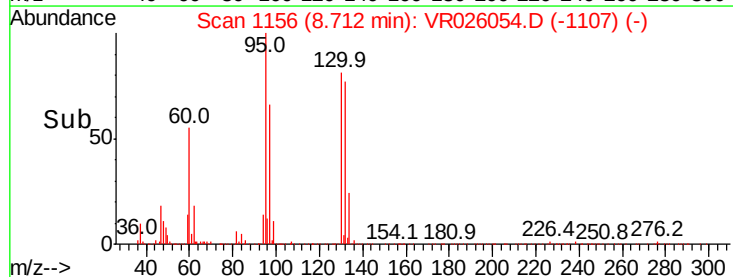
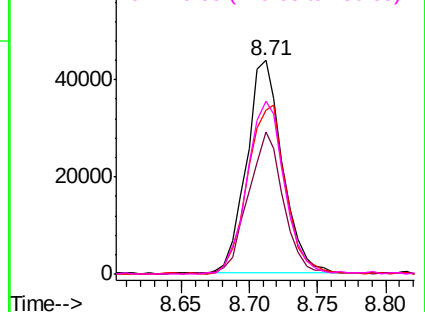


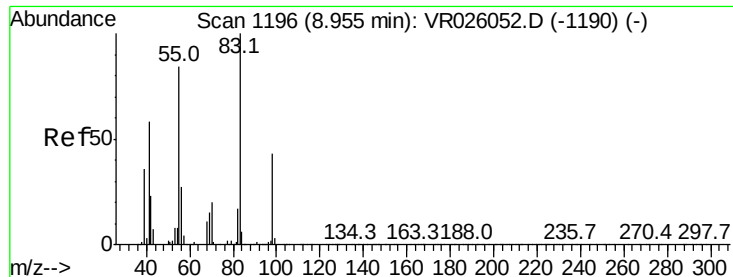
Abundance Ion 95.00 (94.70 to 95.70): VR0

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

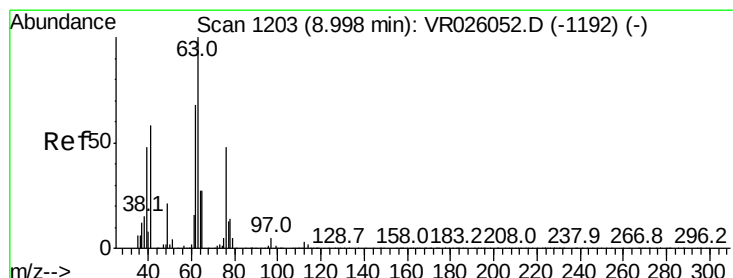
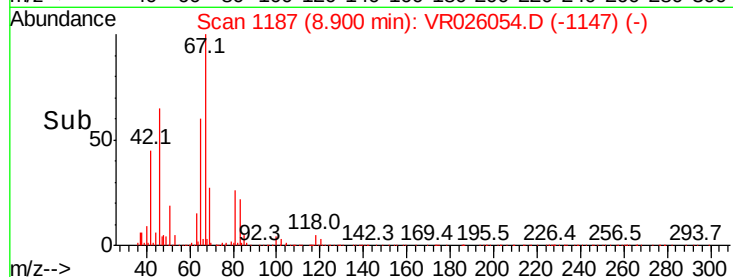
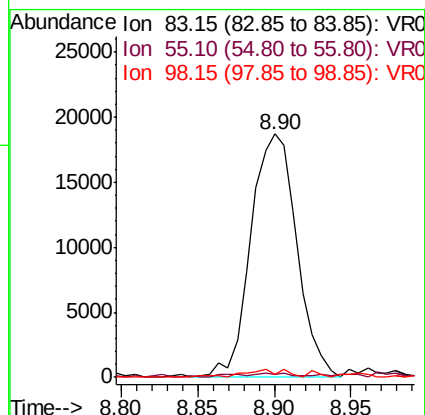
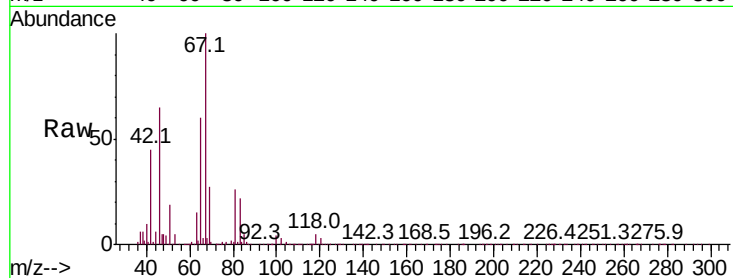




#35
Methylcyclohexane
Concen: 0.699 ug/L
RT: 8.90 min Scan# 1187
Delta R.T. -0.05 min
Lab File: VR026054.D
Acq: 12 Oct 2018 10:52

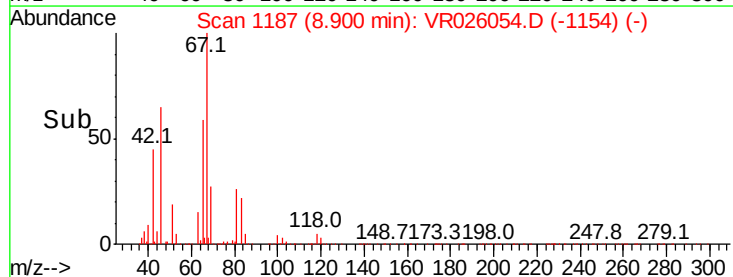
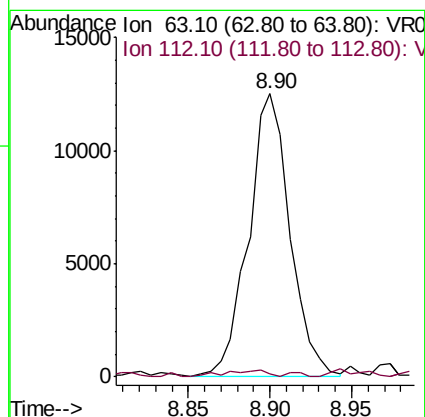
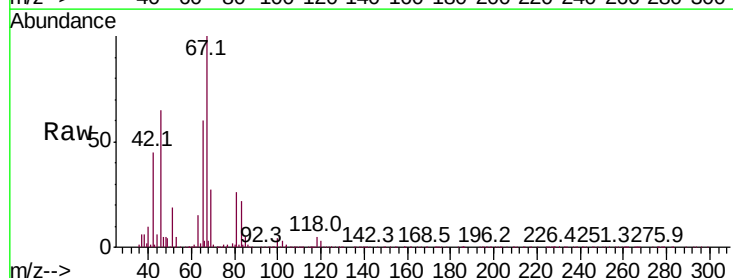
Instrument :
MSVOA_R
ClientSampled :

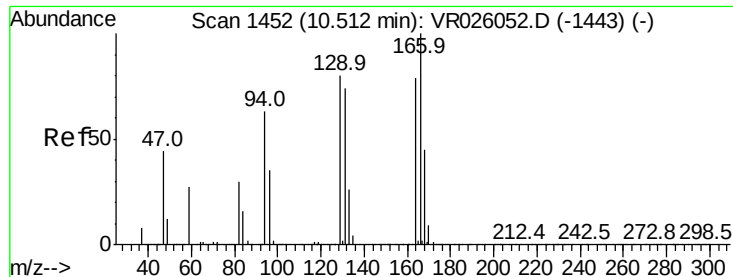
Tot Ion	83	Resp	38935
Ion Ratio	100	Lower	Upper
55	1.1	71.8	107.6#
98	2.7	34.2	51.4#



#37
1,2-Dichloropropane
Concen: 0.727 ug/L
RT: 8.90 min Scan# 1187
Delta R.T. -0.10 min
Lab File: VR026054.D
Acq: 12 Oct 2018 10:52

Tgt Ion	63	Resp	21932
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
112	2.4	2.5	3.7#

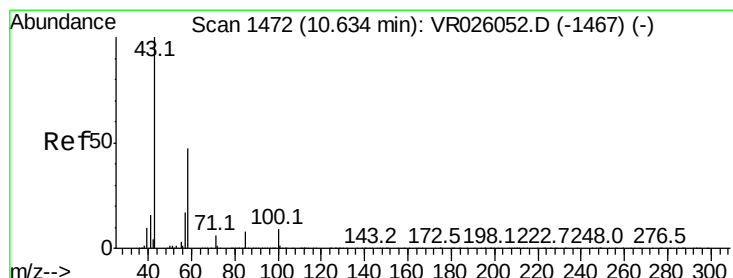
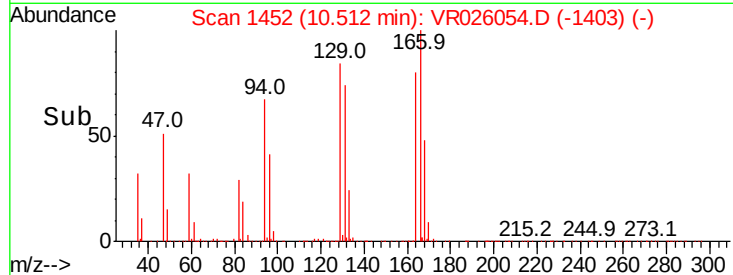
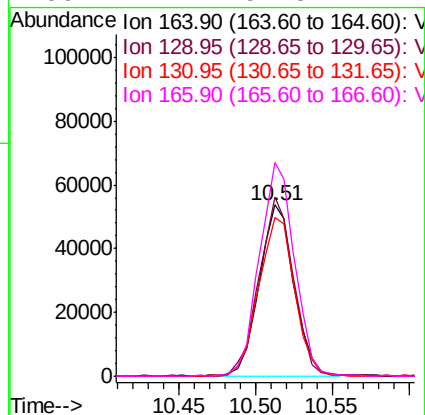
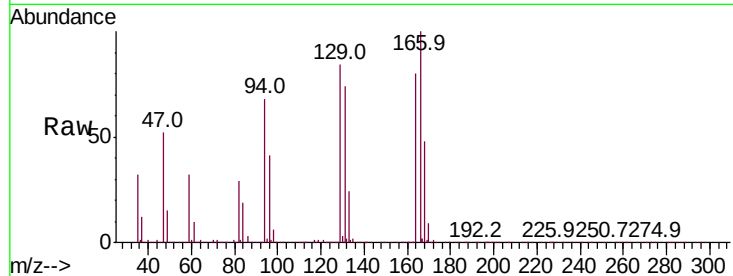




#47
Tetrachloroethene
Concen: 3.709 ug/L
RT: 10.51 min Scan# 1452
Delta R.T. -0.00 min
Lab File: VR026054.D
Acq: 12 Oct 2018 10:52

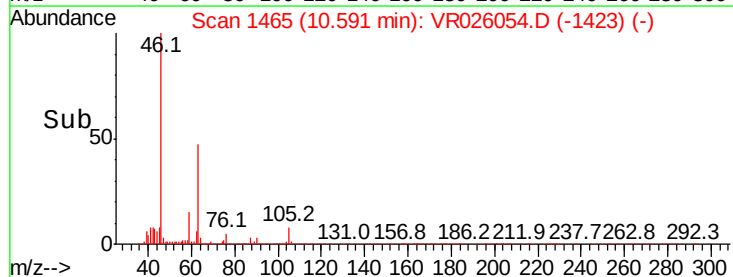
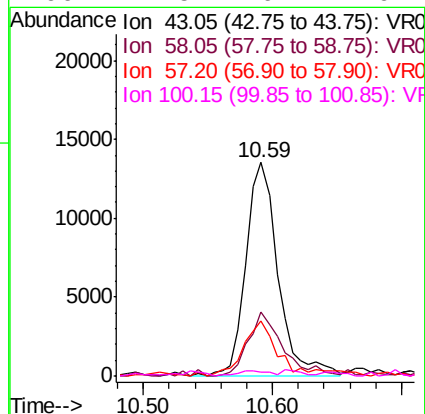
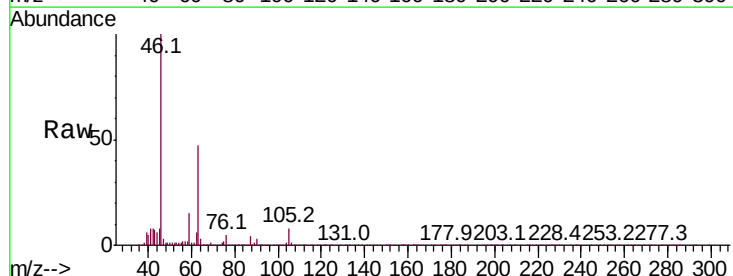
Instrument :
MSVOA_R
ClientSampled :

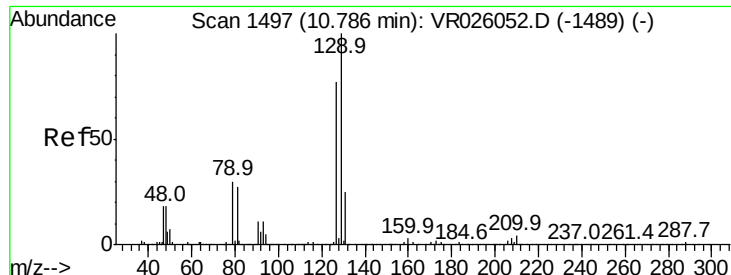
Tot Ion	Ratio	Lower	Upper
164	100		
129	104.5	80.8	150.2
131	92.8	74.5	138.3
166	127.2	92.5	171.7



#48
2-Hexanone
Concen: 3.351 ug/L
RT: 10.59 min Scan# 1465
Delta R.T. -0.04 min
Lab File: VR026054.D
Acq: 12 Oct 2018 10:52

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.6	39.5	59.3#
57	29.2	14.6	21.8#
100	2.5	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: VR026054.D

Acq: 12 Oct 2018 10:52

Instrument :

MSVOA_R

ClientSampleId :

Tot Ion:129 Resp: 72693

Ion Ratio Lower Upper

129 100

127 0.7 54.1 100.5#

