

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR082418\
 Data File : VR025638.D
 Acq On : 24 Aug 2018 16:56
 Operator : SY/MD
 Sample : J4643-09MS
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 H0K17MS

Quant Time: Aug 25 02:08:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR082118WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Aug 24 23:05:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	470161	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	397407	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	111467	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	129146	4.22	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.40%
7) Chloroethane-d5	2.62	69	116859	4.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.60%
11) 1,1-Dichloroethene-d2	3.63	63	322348	4.26	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	85.20%
20) 2-Butanone-d5	6.60	46	148319	63.60	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	127.20%
24) Chloroform-d	7.20	84	231546	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.20%
26) 1,2-Dichloroethane-d4	7.90	65	86566	4.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.60%
32) Benzene-d6	7.86	84	554506	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.40%
36) 1,2-Dichloropropane-d6	8.90	67	158833	4.80	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.00%
41) Toluene-d8	9.97	98	499219	4.24	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.80%
43) trans-1,3-Dichloropropene-	10.24	79	33358	4.27	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.40%
46) 2-Hexanone-d5	10.59	63	163404	63.89	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	127.78%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	66049	4.32	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.40%
64) 1,2-Dichlorobenzene-d4	13.51	152	110022	6.18	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	123.60%#

Target Compounds

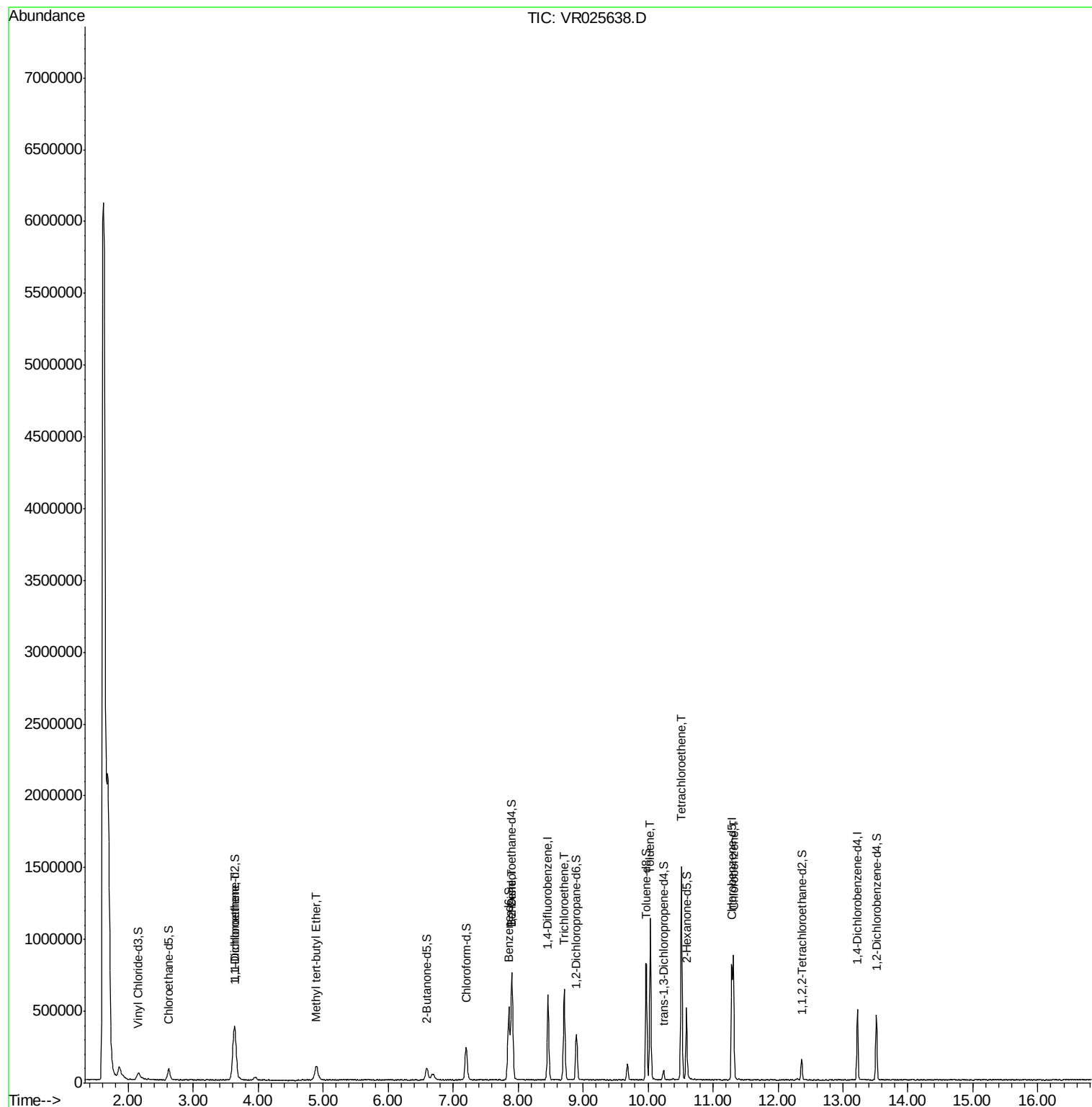
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	3.65	96	164074	4.444	ug/L #	77
17) Methyl tert-butyl Ether	4.90	73	154658	4.085	ug/L #	89
33) Benzene	7.91	78	685582	4.724	ug/L	100
34) Trichloroethene	8.71	95	212423	6.390	ug/L	96
42) Toluene	10.03	91	732892	5.147	ug/L	98
47) Tetrachloroethene	10.52	164	312386	12.288	ug/L	98
51) Chlorobenzene	11.31	112	422709	4.768	ug/L	97

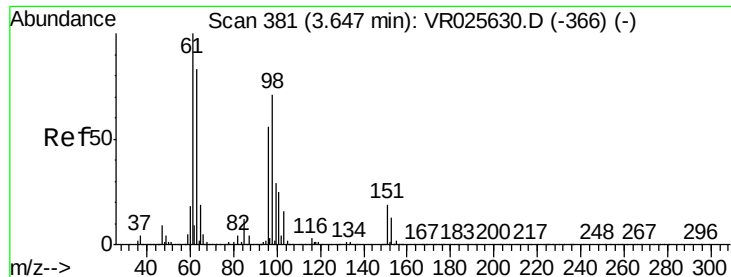
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 4.444 ug/L

RT: 3.65 min Scan# 381

Delta R.T. 0.01 min

Lab File: VR025638.D

Acq: 24 Aug 2018 16:56

Instrument :

MSVOA_R

ClientSampleId :

H0K17MS

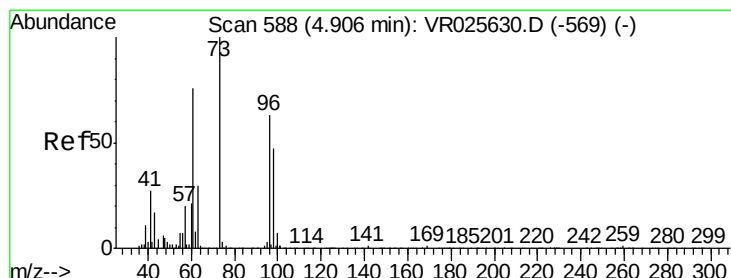
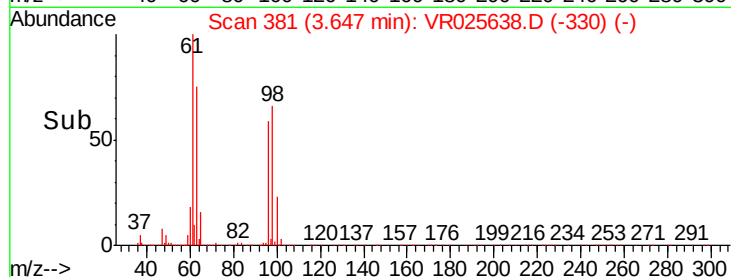
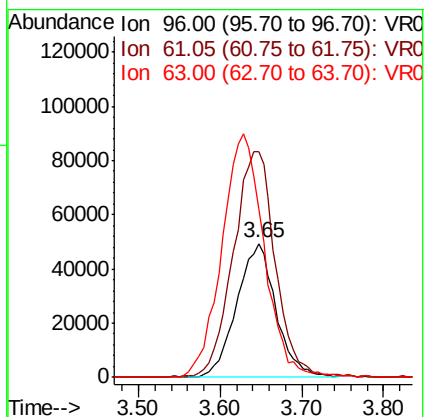
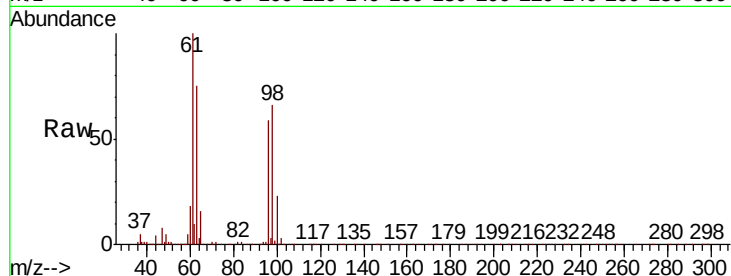
Tgt Ion: 96 Resp: 164074

Ion Ratio Lower Upper

96 100

61 169.1 119.8 222.6

63 126.2 131.1 243.5#



#17

Methyl tert-butyl Ether

Concen: 4.085 ug/L

RT: 4.90 min Scan# 587

Delta R.T. 0.01 min

Lab File: VR025638.D

Acq: 24 Aug 2018 16:56

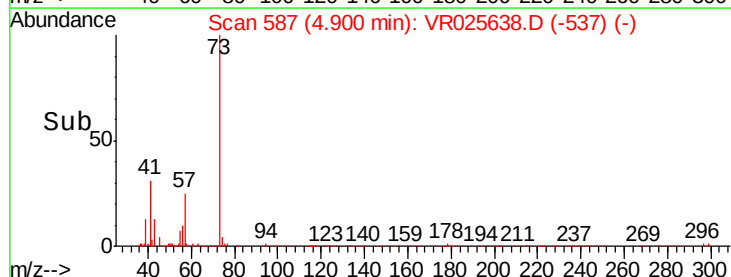
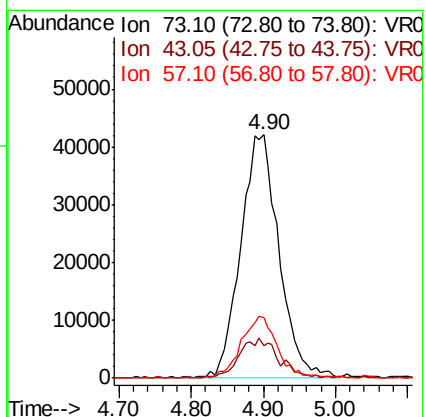
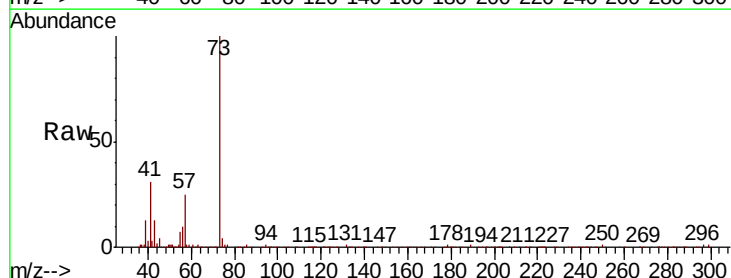
Tgt Ion: 73 Resp: 154658

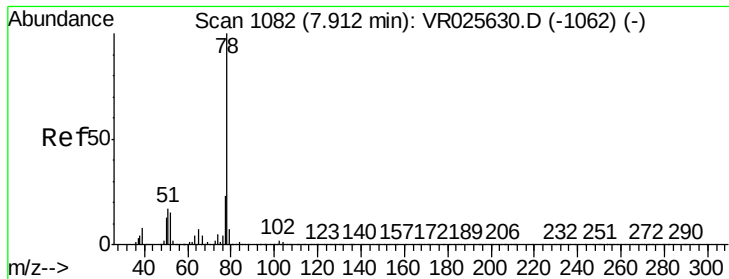
Ion Ratio Lower Upper

73 100

43 7.5 14.8 22.2#

57 24.4 19.9 29.9





#33

Benzene

Concen: 4.724 ug/L

RT: 7.91 min Scan# 1081

Delta R.T. 0.00 min

Lab File: VR025638.D

Acq: 24 Aug 2018 16:56

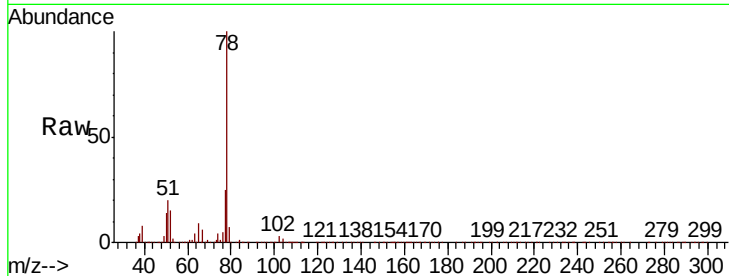
Instrument :

MSVOA_R

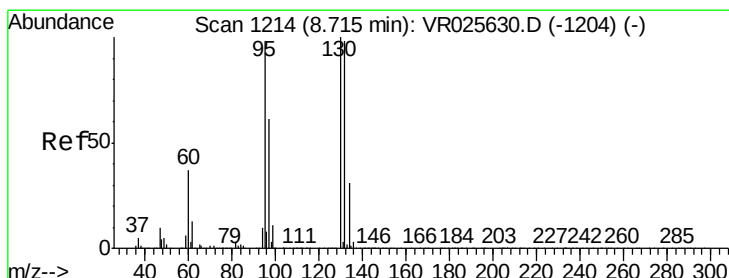
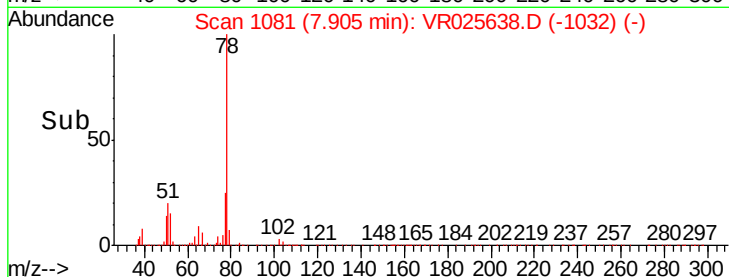
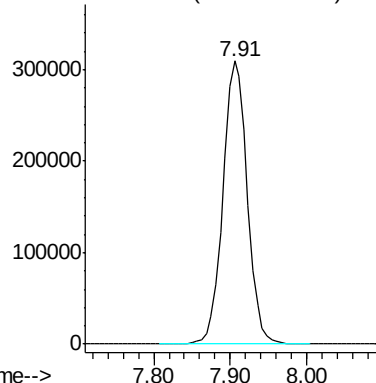
ClientSampleId :

H0K17MS

Tgt Ion: 78 Resp: 685582



Abundance Ion 78.10 (77.80 to 78.80): VR0



#34

Trichloroethene

Concen: 6.390 ug/L

RT: 8.71 min Scan# 1214

Delta R.T. 0.01 min

Lab File: VR025638.D

Acq: 24 Aug 2018 16:56

Tgt Ion: 95 Resp: 212423

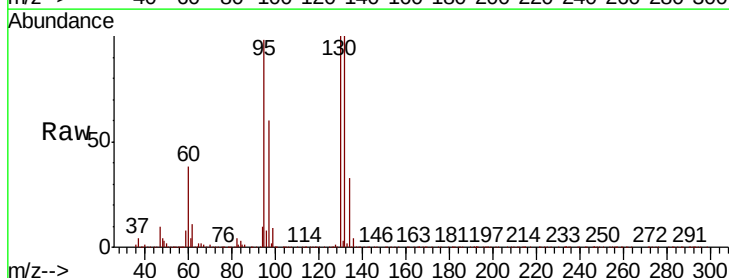
Ion Ratio Lower Upper

95 100

97 61.1 45.7 84.9

132 101.3 66.6 123.6

130 101.8 72.2 134.0

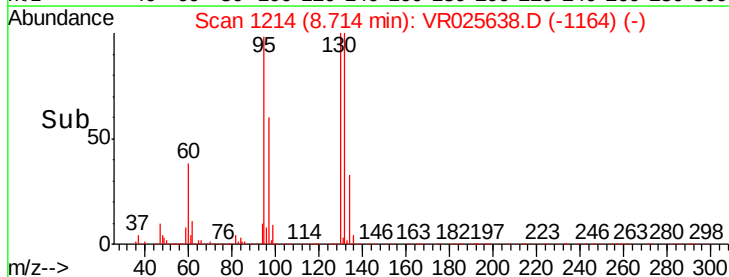
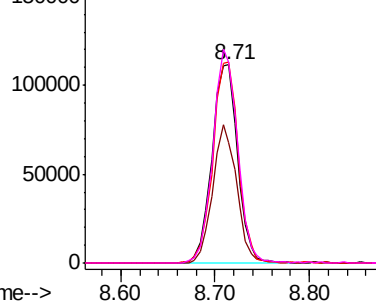


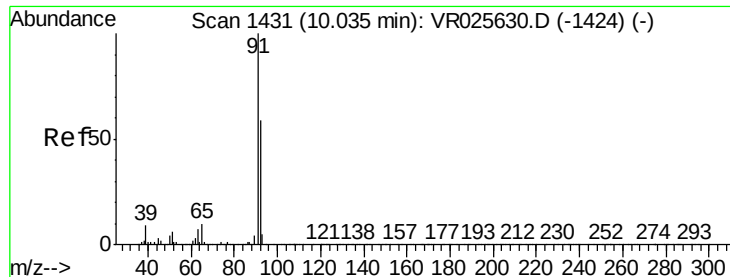
Abundance Ion 95.00 (94.70 to 95.70): VR0

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





#42

Toluene

Concen: 5.147 ug/L

RT: 10.03 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VR025638.D

Acq: 24 Aug 2018 16:56

Instrument :

MSVOA_R

ClientSampleId :

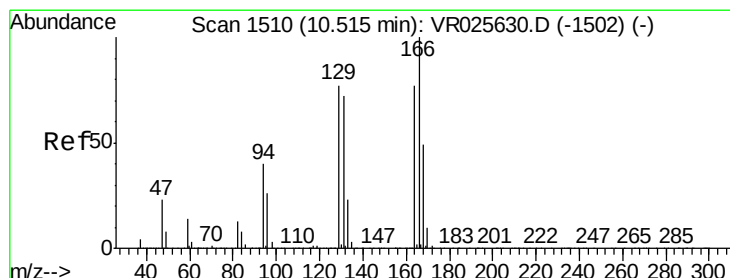
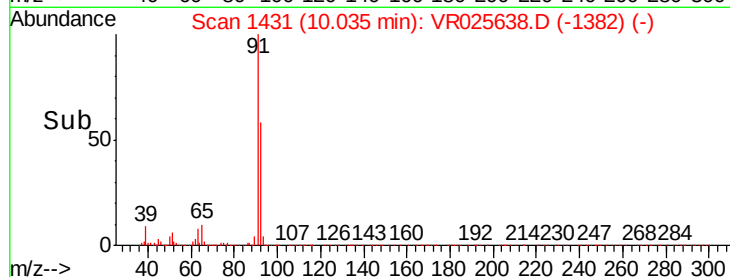
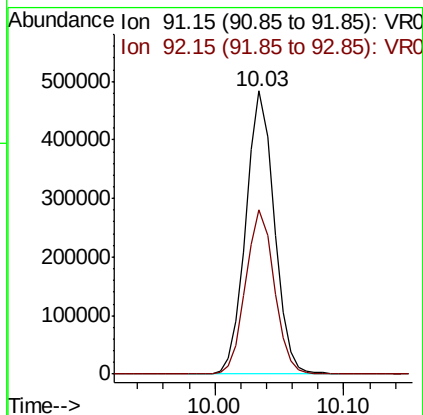
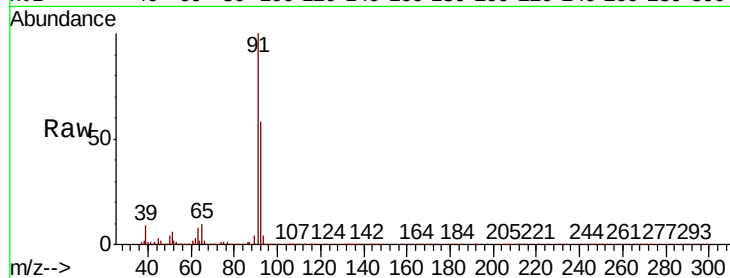
H0K17MS

Tgt Ion: 91 Resp: 732892

Ion Ratio Lower Upper

91 100

92 58.2 42.0 78.0



#47

Tetrachloroethene

Concen: 12.288 ug/L

RT: 10.52 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VR025638.D

Acq: 24 Aug 2018 16:56

Tgt Ion: 164 Resp: 312386

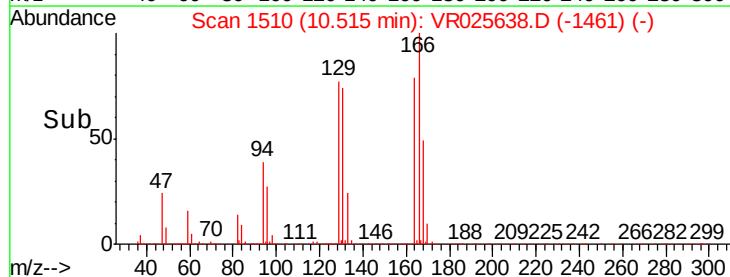
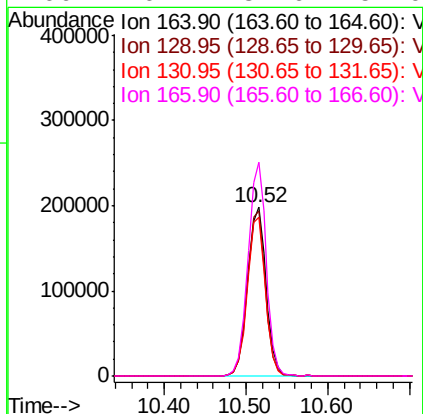
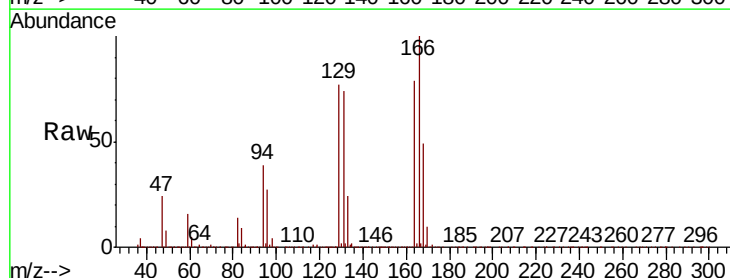
Ion Ratio Lower Upper

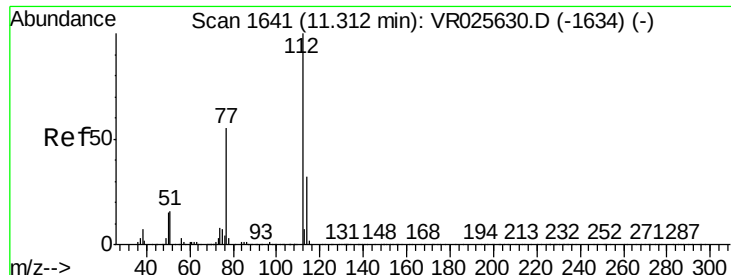
164 100

129 98.0 68.7 127.5

131 94.3 66.4 123.4

166 126.7 84.6 157.0





#51

Chlorobenzene

Concen: 4.768 ug/L

RT: 11.31 min Scan# 1641

Delta R.T. 0.00 min

Lab File: VR025638.D

Acq: 24 Aug 2018 16:56

Instrument :

MSVOA_R

ClientSampleId :

H0K17MS

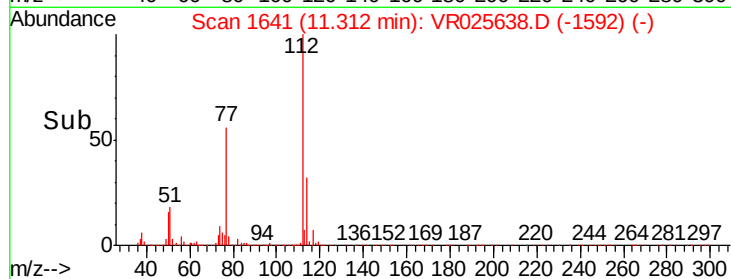
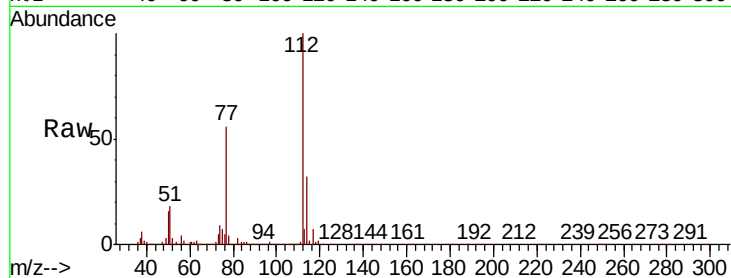
Tgt Ion:112 Resp: 422709

Ion Ratio Lower Upper

112 100

114 32.0 21.8 40.4

77 56.3 43.0 64.4



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VR0

