

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 24 23:06:05 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

						Qvalue
12) 1,1-Dichloroethene	3.65	96	164074	4.444	ug/L #	77
13) Acetone	3.70	43	4345	2.991	ug/L	62
17) Methyl tert-butyl Ether	4.90	73	154658	4.085	ug/L #	89
21) 2-Butanone	6.69	43	2613	0.913	ug/L	86
22) cis-1,2-Dichloroethene	6.67	96	12107	0.361	ug/L #	83
33) Benzene	7.91	78	685582	4.724	ug/L	100
34) Trichloroethene	8.71	95	212423	6.390	ug/L	96
35) Methylcyclohexane	8.90	83	35628	0.659	ug/L #	23
37) 1,2-Dichloropropane	8.90	63	16408	0.515	ug/L	98
42) Toluene	10.03	91	732892	5.147	ug/L	98
47) Tetrachloroethene	10.52	164	312386	12.288	ug/L	98
48) 2-Hexanone	10.59	43	17468	3.247	ug/L #	66
49) Dibromochloromethane	10.52	129	267375	17.651	ug/L #	14
51) Chlorobenzene	11.31	112	422709	4.768	ug/L	97
66) 1,2-Dibromo-3-chloropropan	14.12	75	169	0.210	ug/L #	24

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR082418\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Aug 24 23:05:03 2018
Response via : Initial Calibration

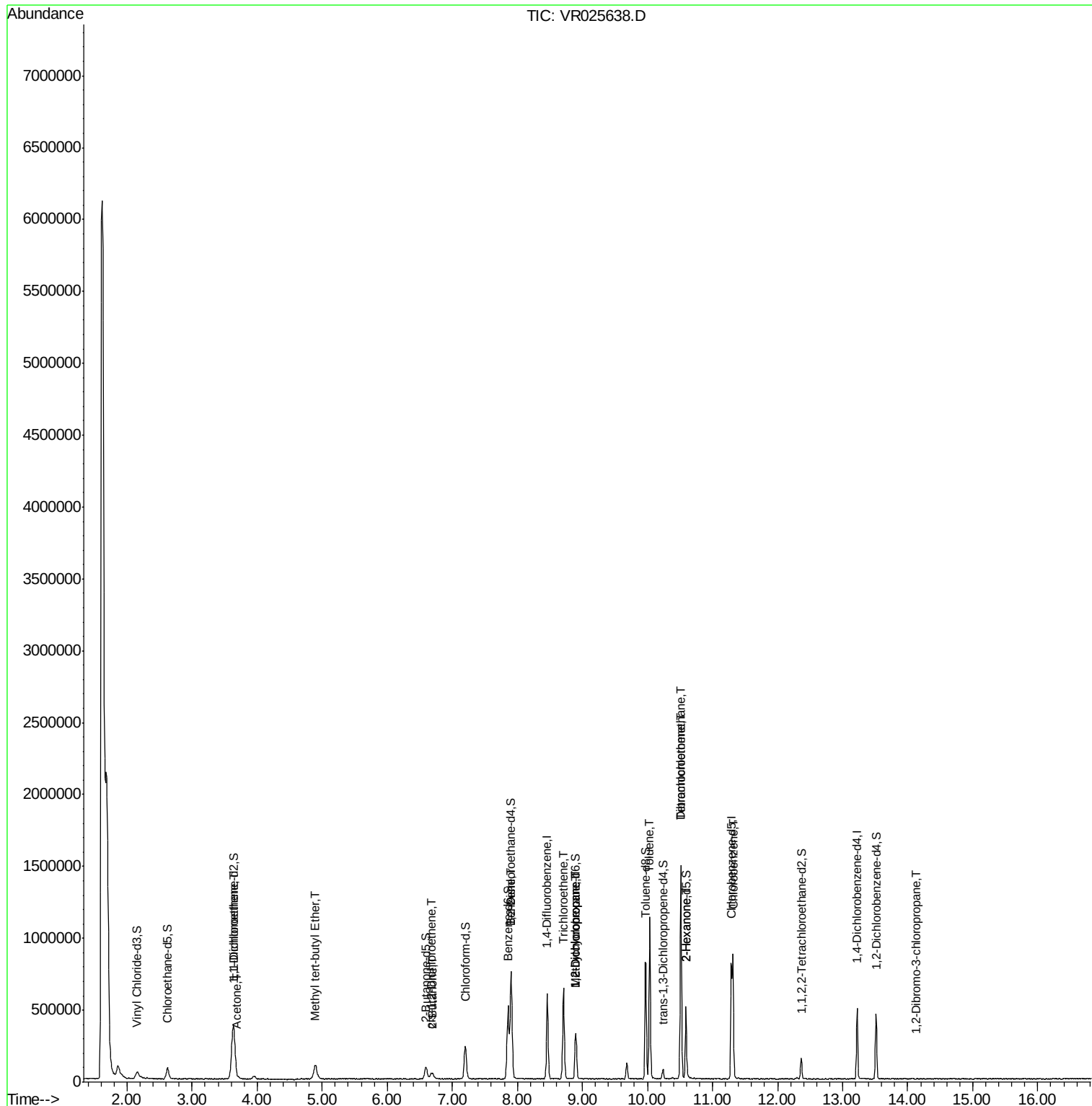
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

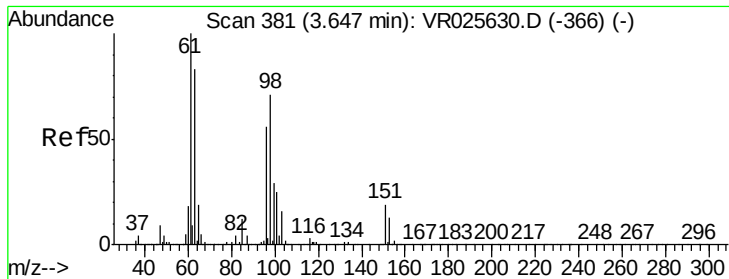
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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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

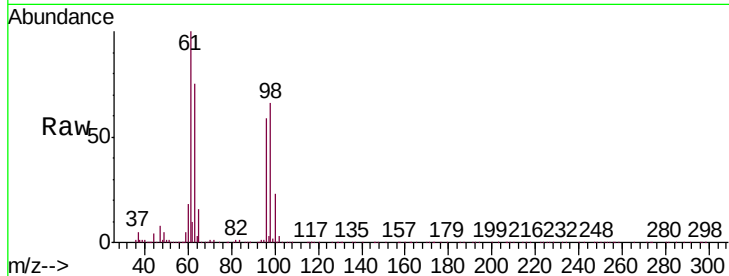
Tgt Ion: 96 Resp: 164074

Ion Ratio Lower Upper

96 100

61 169.1 119.8 222.6

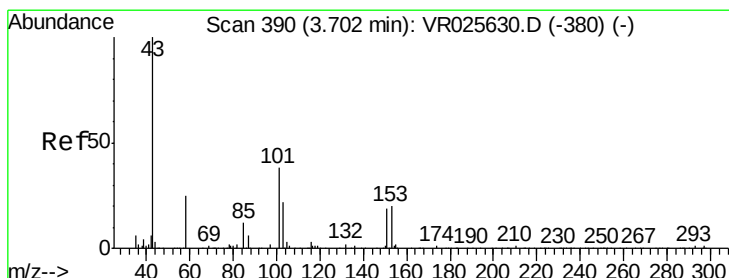
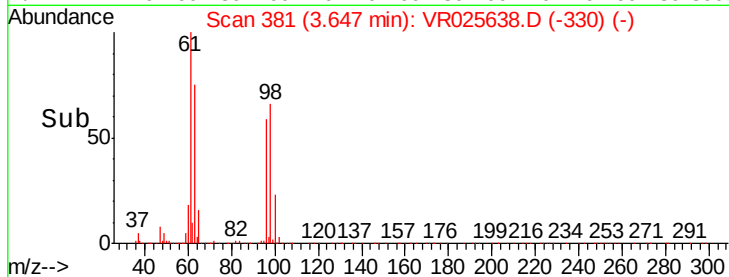
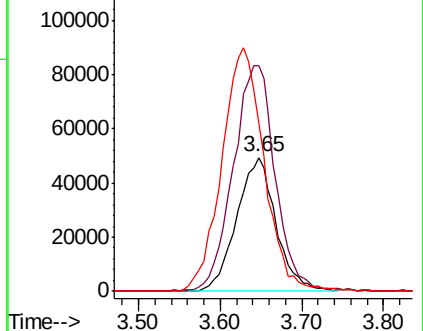
63 126.2 131.1 243.5#



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



#13

Acetone

Concen: 2.991 ug/L

RT: 3.70 min Scan# 389

Delta R.T. -0.01 min

Lab File: VR025638.D

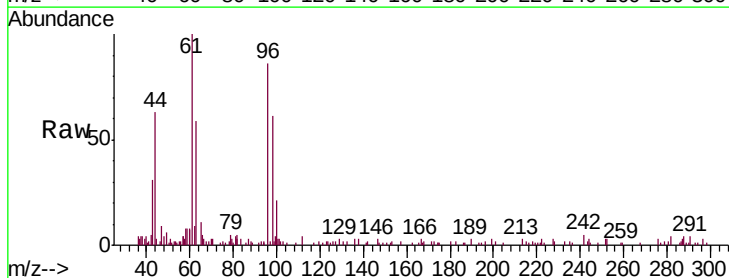
Acq: 24 Aug 2018 16:56

Tgt Ion: 43 Resp: 4345

Ion Ratio Lower Upper

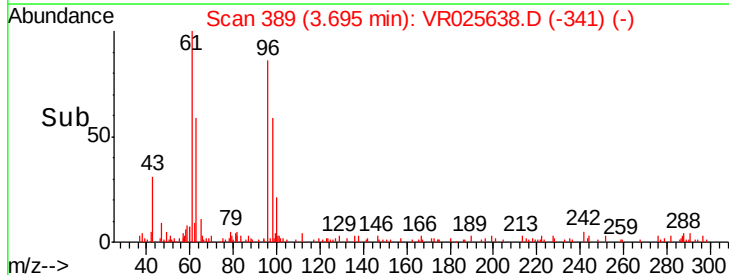
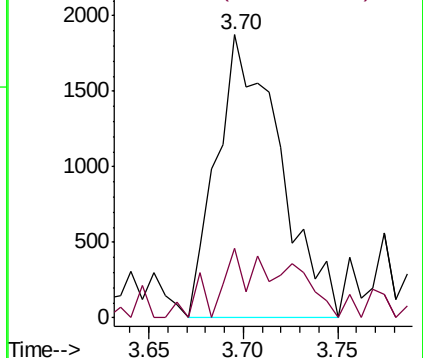
43 100

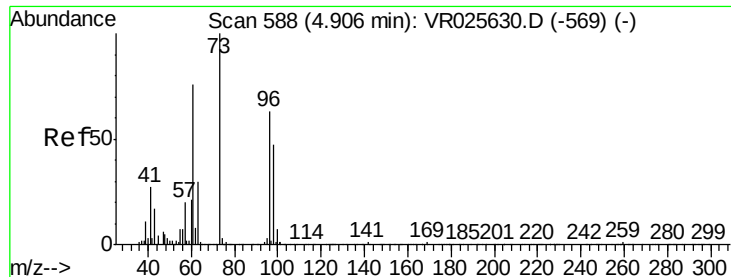
58 10.5 0.0 63.4



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

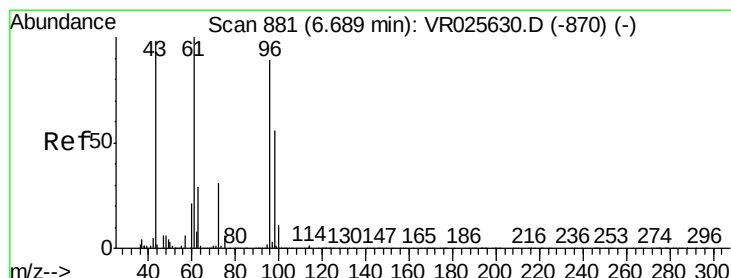
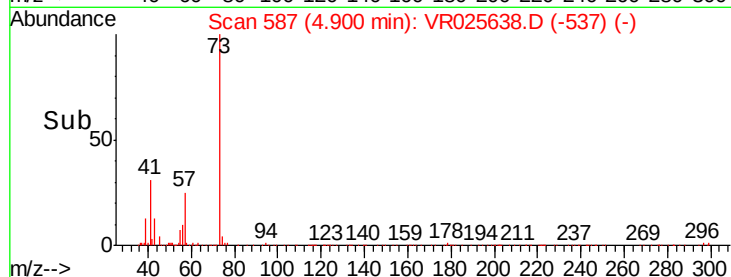
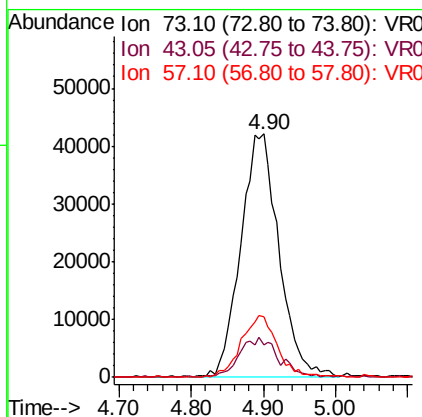
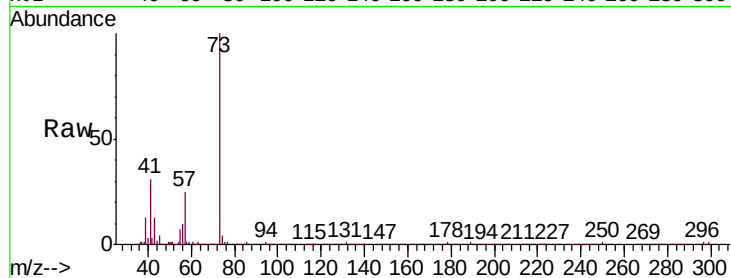




#17
Methyl tert-butyl Ether
Concen: 4.085 ug/L
RT: 4.90 min Scan# 587
Delta R.T. 0.01 min
Lab File: VR025638.D
Acq: 24 Aug 2018 16:56

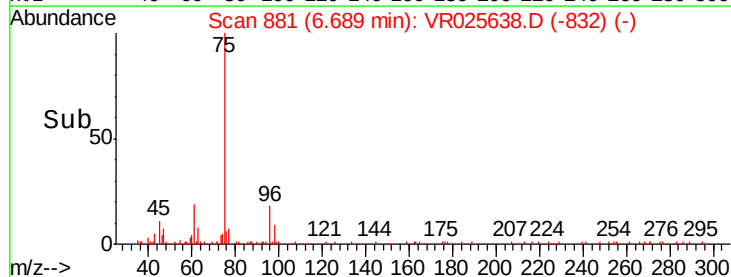
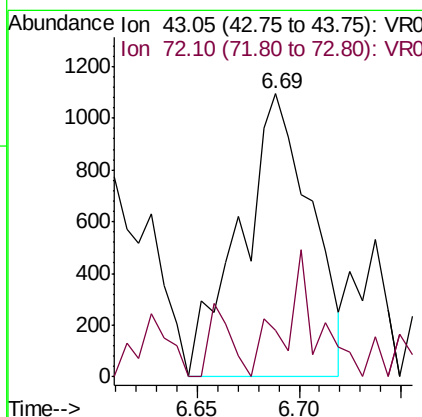
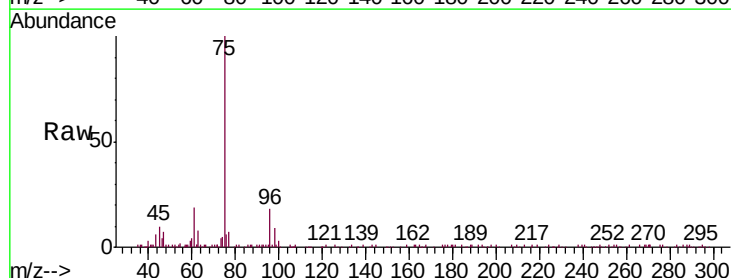
Instrument :
MSVOA_R
ClientSampled :
H0K17MS

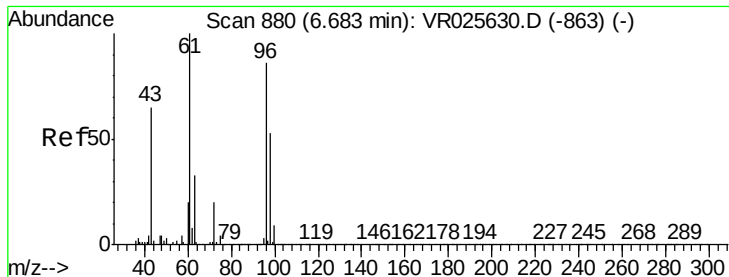
Tgt Ion: 73 Resp: 154658
Ion Ratio Lower Upper
73 100
43 7.5 14.8 22.2#
57 24.4 19.9 29.9



#21
2-Butanone
Concen: 0.913 ug/L
RT: 6.69 min Scan# 881
Delta R.T. 0.00 min
Lab File: VR025638.D
Acq: 24 Aug 2018 16:56

Tgt Ion: 43 Resp: 2613
Ion Ratio Lower Upper
43 100
72 21.1 14.3 42.9





#22

cis-1,2-Dichloroethene

Concen: 0.361 ug/L

RT: 6.67 min Scan# 878

Delta R.T. -0.01 min

Lab File: VR025638.D

Acq: 24 Aug 2018 16:56

Instrument :

MSVOA_R

ClientSampleId :

H0K17MS

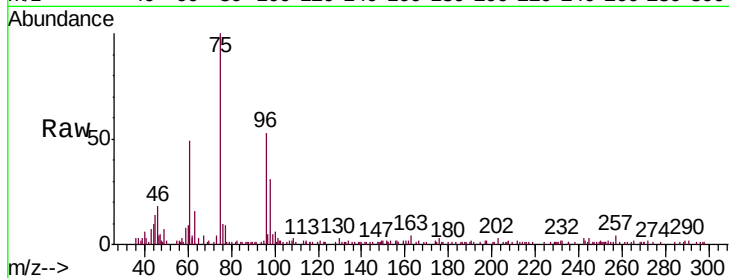
Tgt Ion: 96 Resp: 12107

Ion Ratio Lower Upper

96 100

61 91.9 76.7 142.5

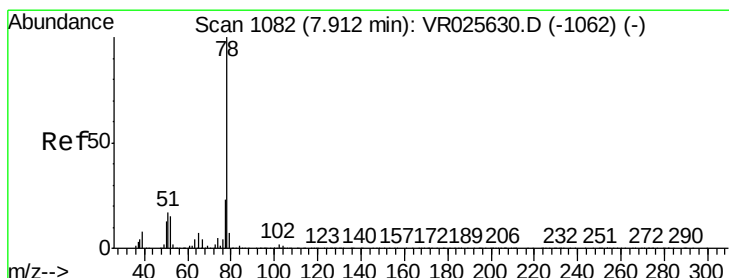
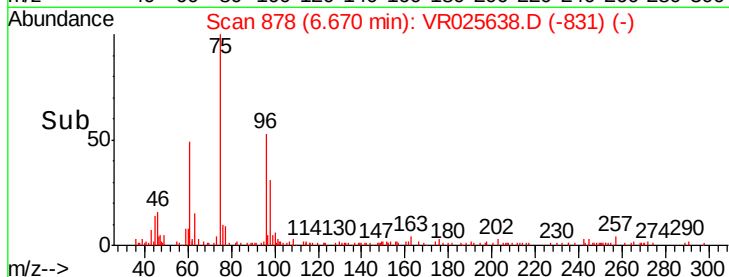
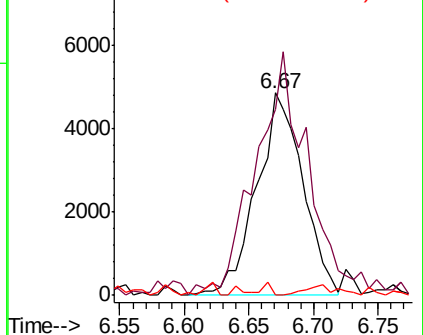
68 0.0 0.1 0.3#



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



#33

Benzene

Concen: 4.724 ug/L

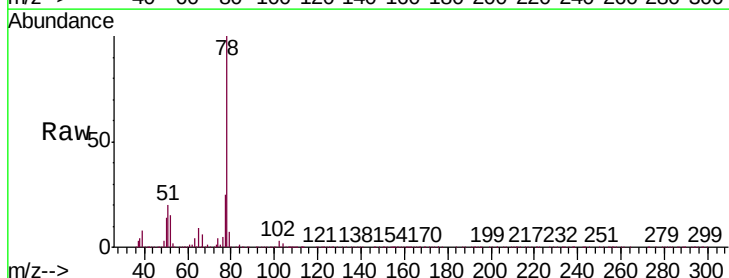
RT: 7.91 min Scan# 1081

Delta R.T. 0.00 min

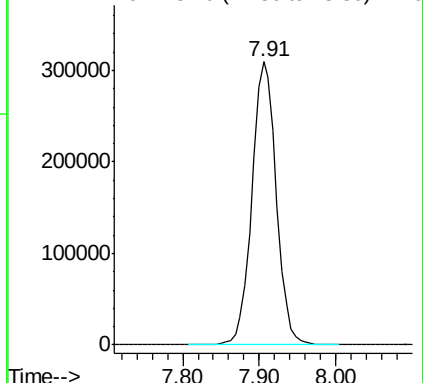
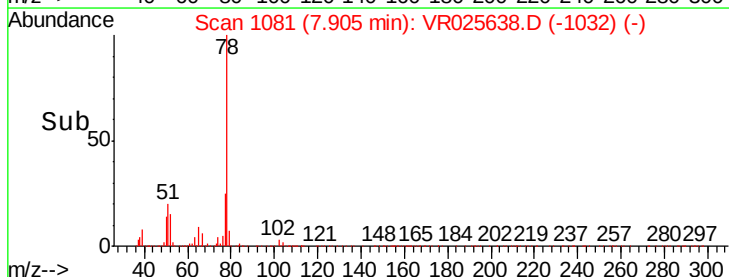
Lab File: VR025638.D

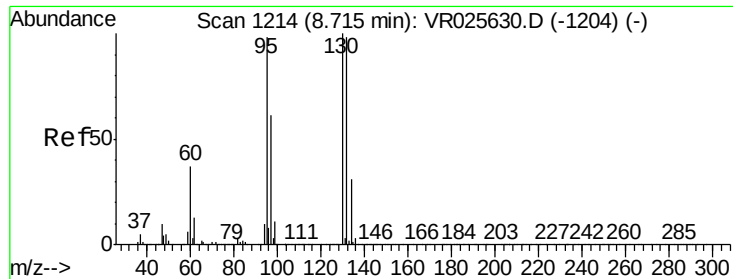
Acq: 24 Aug 2018 16:56

Tgt Ion: 78 Resp: 685582



Abundance Ion 78.10 (77.80 to 78.80): VR0

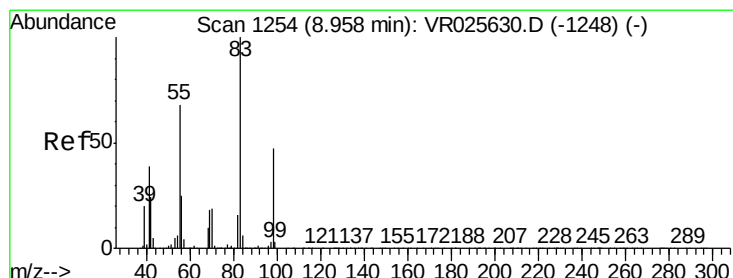
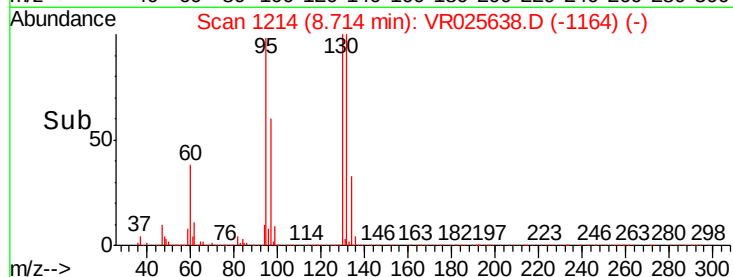
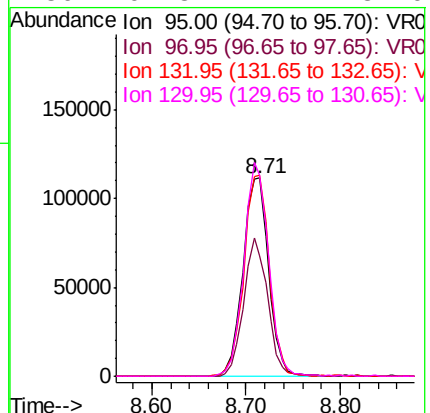
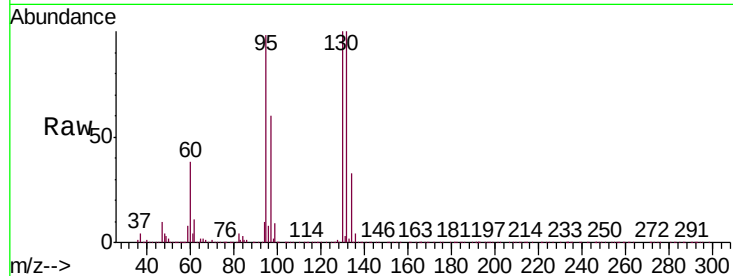




#34
 Trichloroethene
 Concen: 6.390 ug/L
 RT: 8.71 min Scan# 1214
 Delta R.T. 0.01 min
 Lab File: VR025638.D
 Acq: 24 Aug 2018 16:56

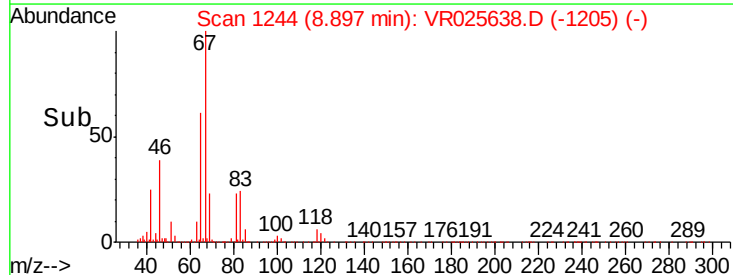
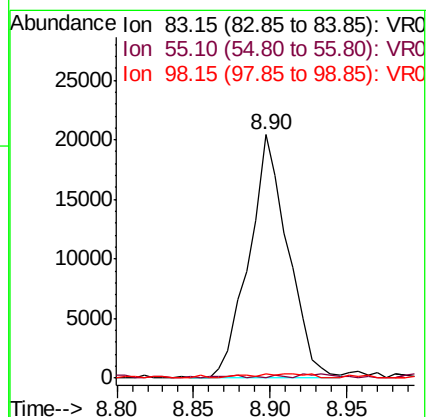
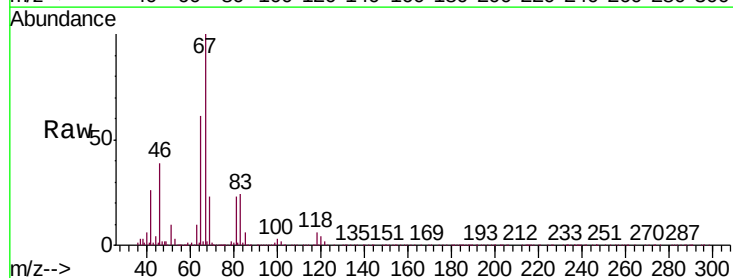
Instrument :
 MSVOA_R
 ClientSampleId :
 H0K17MS

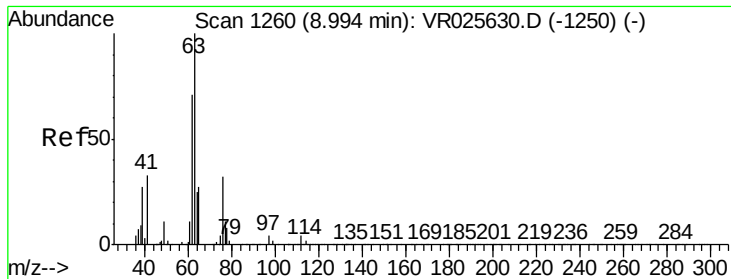
Tgt Ion:	95	Resp:	212423
Ion	Ratio	Lower	Upper
95	100		
97	61.1	45.7	84.9
132	101.3	66.6	123.6
130	101.8	72.2	134.0



#35
 Methylcyclohexane
 Concen: 0.659 ug/L
 RT: 8.90 min Scan# 1244
 Delta R.T. -0.06 min
 Lab File: VR025638.D
 Acq: 24 Aug 2018 16:56

Tgt Ion:	83	Resp:	35628
Ion	Ratio	Lower	Upper
83	100		
55	0.6	56.7	85.1#
98	2.8	35.8	53.8#

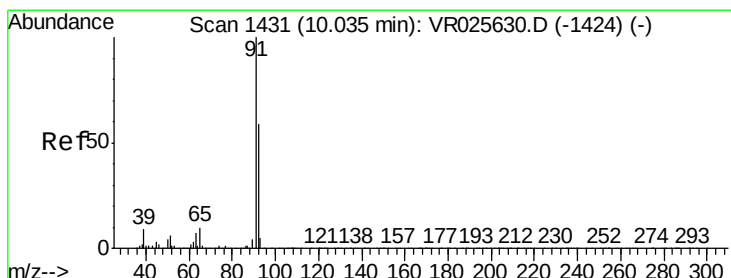
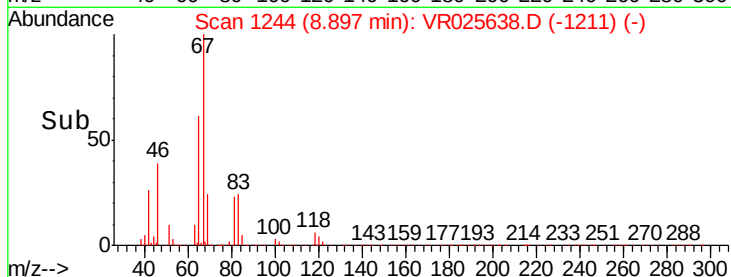
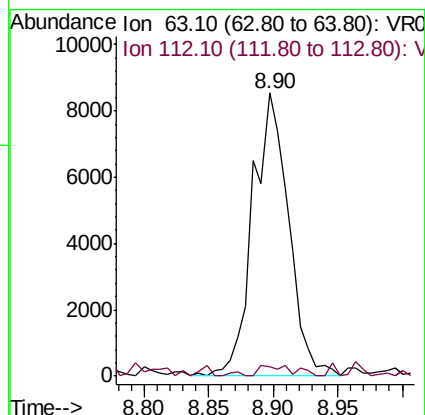
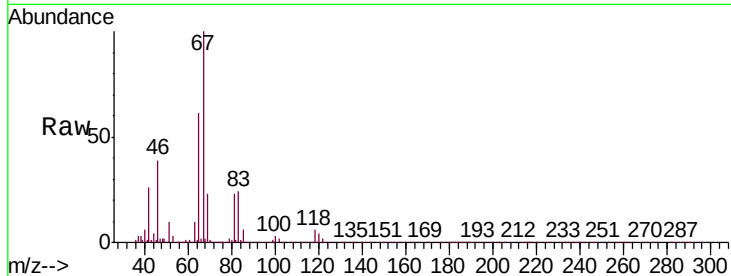




#37
 1,2-Dichloropropane
 Concen: 0.515 ug/L
 RT: 8.90 min Scan# 1244
 Delta R.T. -0.10 min
 Lab File: VR025638.D
 Acq: 24 Aug 2018 16:56

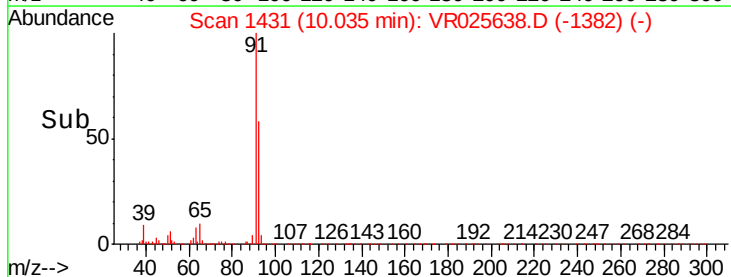
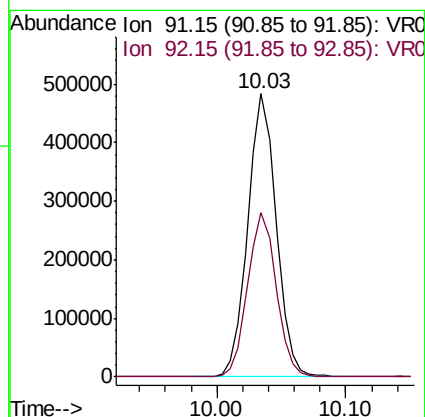
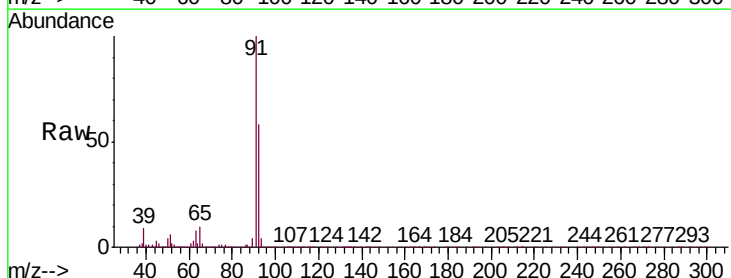
Instrument :
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 H0K17MS

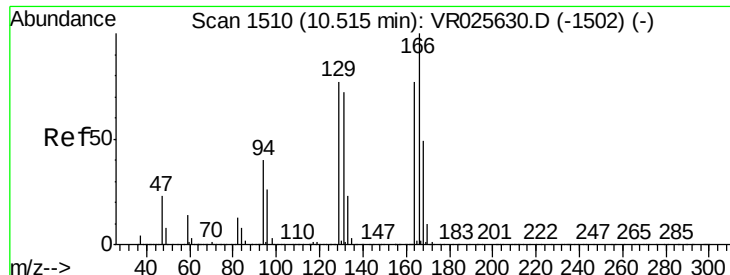
Tgt Ion: 63 Resp: 16408
 Ion Ratio Lower Upper
 63 100
 112 2.6 2.5 3.7



#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

Tgt Ion: 91 Resp: 732892
 Ion Ratio Lower Upper
 91 100
 92 58.2 42.0 78.0

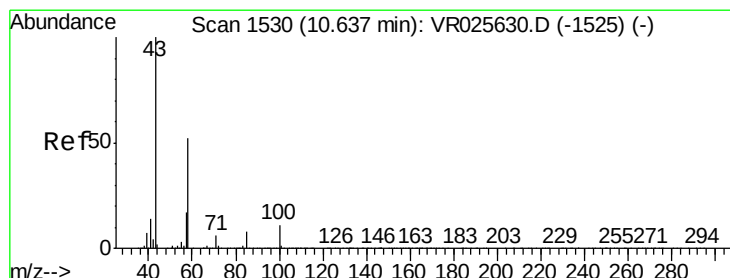
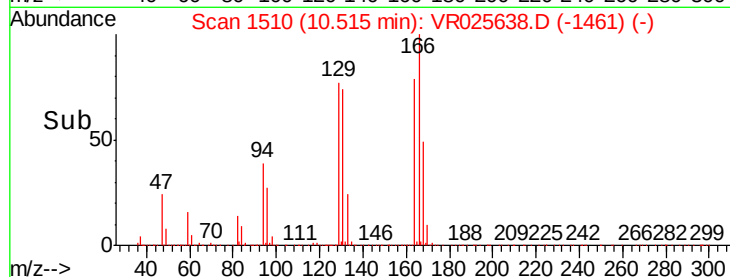
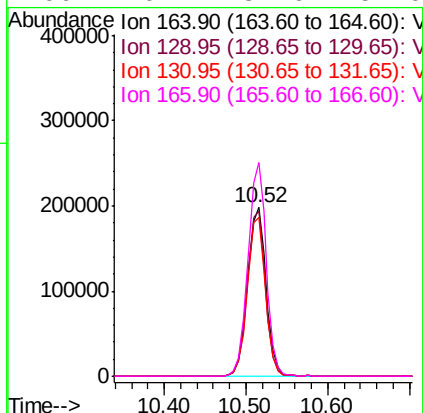
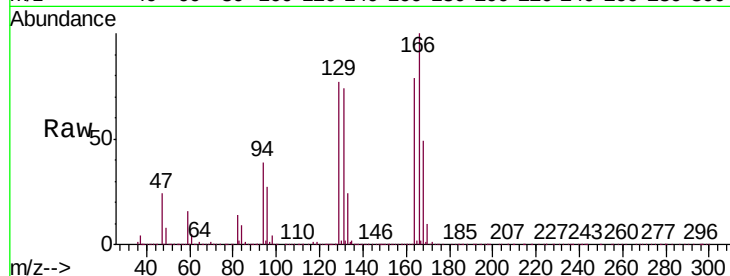




#47
Tetrachloroethene
Concen: 12.288 ug/L
RT: 10.52 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VR025638.D
Acq: 24 Aug 2018 16:56

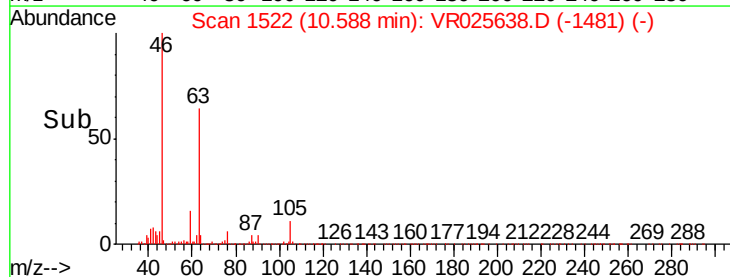
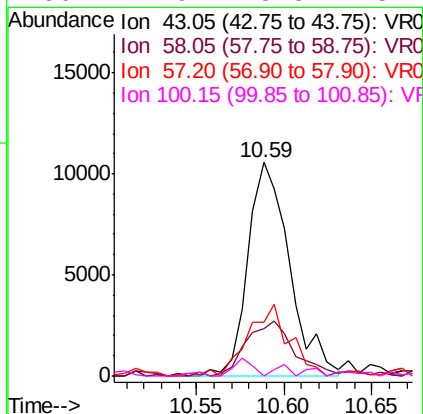
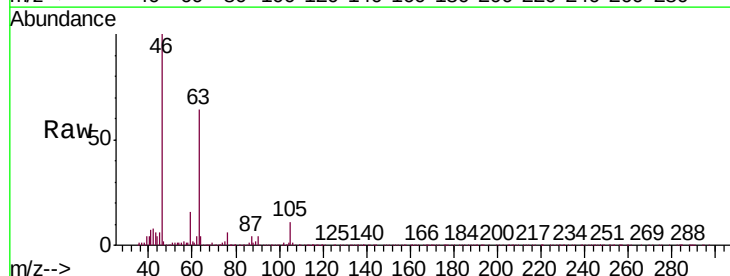
Instrument :
MSVOA_R
ClientSampleId :
H0K17MS

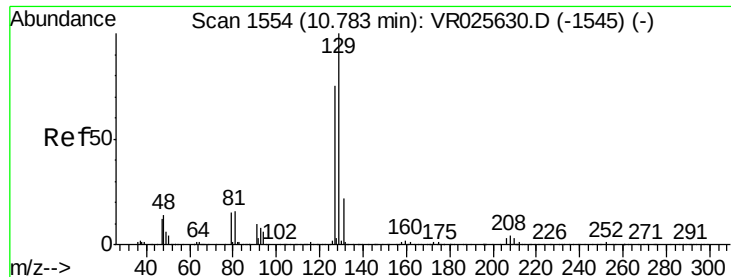
Tgt Ion:	164	Resp:	312386
Ion	Ratio	Lower	Upper
164	100		
129	98.0	68.7	127.5
131	94.3	66.4	123.4
166	126.7	84.6	157.0



#48
2-Hexanone
Concen: 3.247 ug/L
RT: 10.59 min Scan# 1522
Delta R.T. -0.05 min
Lab File: VR025638.D
Acq: 24 Aug 2018 16:56

Tgt Ion:	43	Resp:	17468
Ion	Ratio	Lower	Upper
43	100		
58	31.4	46.4	69.6#
57	33.7	14.3	21.5#
100	1.9	8.8	13.2#





#49

Dibromochloromethane

Concen: 17.651 ug/L

RT: 10.52 min Scan# 1510

Delta R.T. -0.27 min

Lab File: VR025638.D

Acq: 24 Aug 2018 16:56

Instrument :

MSVOA_R

ClientSampleId :

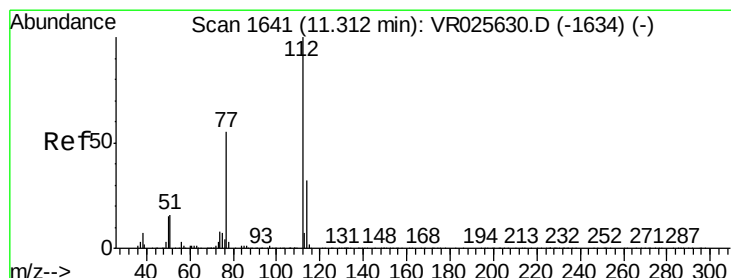
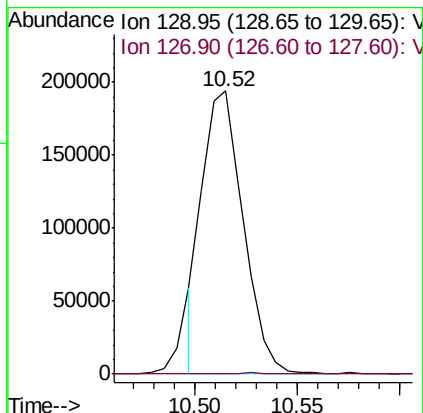
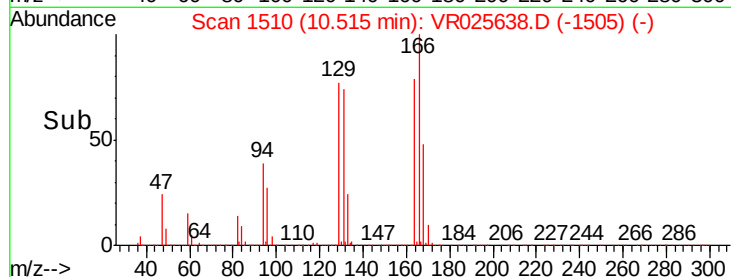
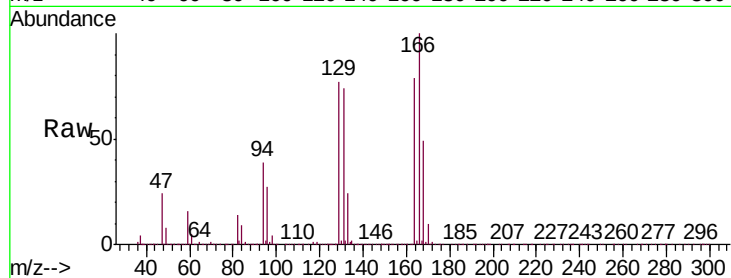
H0K17MS

Tgt Ion:129 Resp: 267375

Ion Ratio Lower Upper

129 100

127 0.9 51.6 95.8#



#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

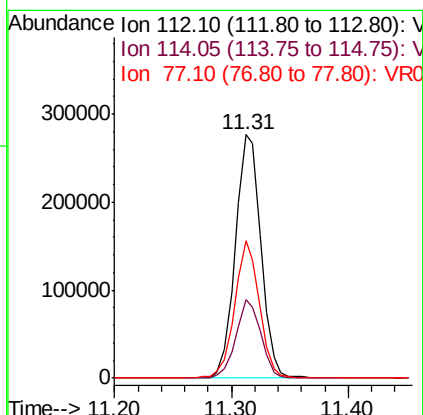
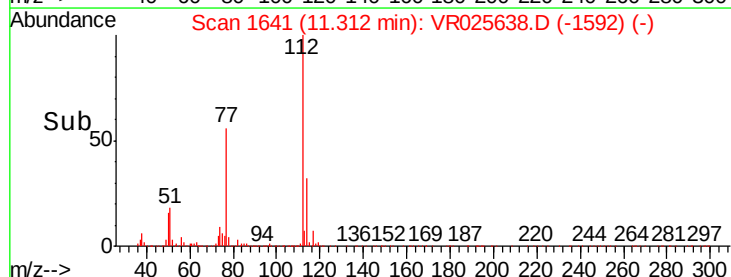
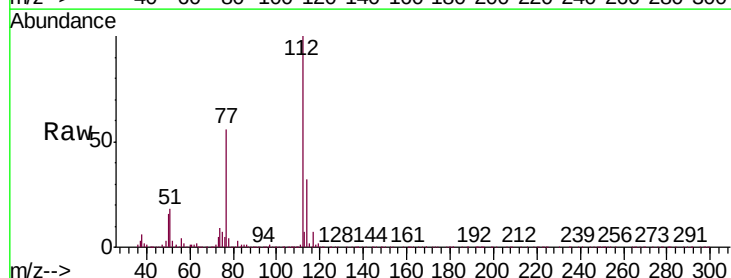
Tgt Ion:112 Resp: 422709

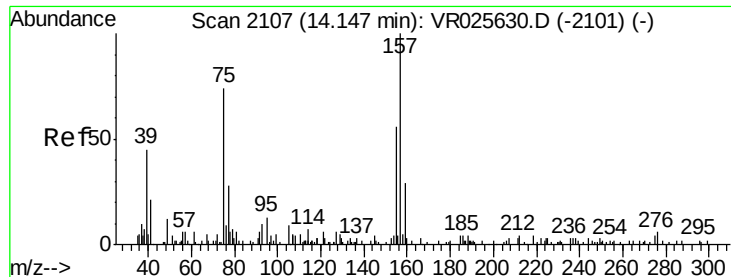
Ion Ratio Lower Upper

112 100

114 32.0 21.8 40.4

77 56.3 43.0 64.4

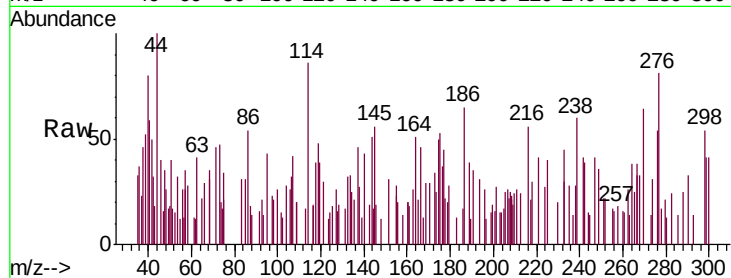




#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.210 ug/L
 RT: 14.12 min Scan# 2103
 Delta R.T. -0.02 min
 Lab File: VR025638.D
 Acq: 24 Aug 2018 16:56

Instrument :
 MSVOA_R
 ClientSampleId :
 H0K17MS

Tgt Ion: 75 Resp: 169
 Ion Ratio Lower Upper
 75 100
 155 91.8 55.2 82.8#
 157 0.0 89.4 134.2#



Abundance Ion 75.05 (74.75 to 75.75): VR0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

