

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR090518\
 Data File : VR025672.D
 Acq On : 5 Sep 2018 16:34
 Operator : SY/MD
 Sample : J4749-05MS
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 E5FA8MS

Quant Time: Sep 06 03:36:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR082118WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Sep 06 03:24:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.47	114	498309	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	404586	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	120326	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	126071	3.89	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	77.80%
7) Chloroethane-d5	2.62	69	115119	4.11	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	82.20%
11) 1,1-Dichloroethene-d2	3.63	63	324616	4.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.00%
20) 2-Butanone-d5	6.60	46	124994	50.57	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.14%
24) Chloroform-d	7.20	84	242383	4.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.20%
26) 1,2-Dichloroethane-d4	7.90	65	91304	4.61	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.20%
32) Benzene-d6	7.86	84	569448	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.00%
36) 1,2-Dichloropropane-d6	8.90	67	166359	4.93	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.60%
41) Toluene-d8	9.97	98	529076	4.42	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.40%
43) trans-1,3-Dichloropropene-	10.24	79	32940	4.14	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	82.80%
46) 2-Hexanone-d5	10.59	63	147132	56.51	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.02%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	65029	4.18	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.60%
64) 1,2-Dichlorobenzene-d4	13.51	152	114831	5.97	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	119.40%

Target Compounds

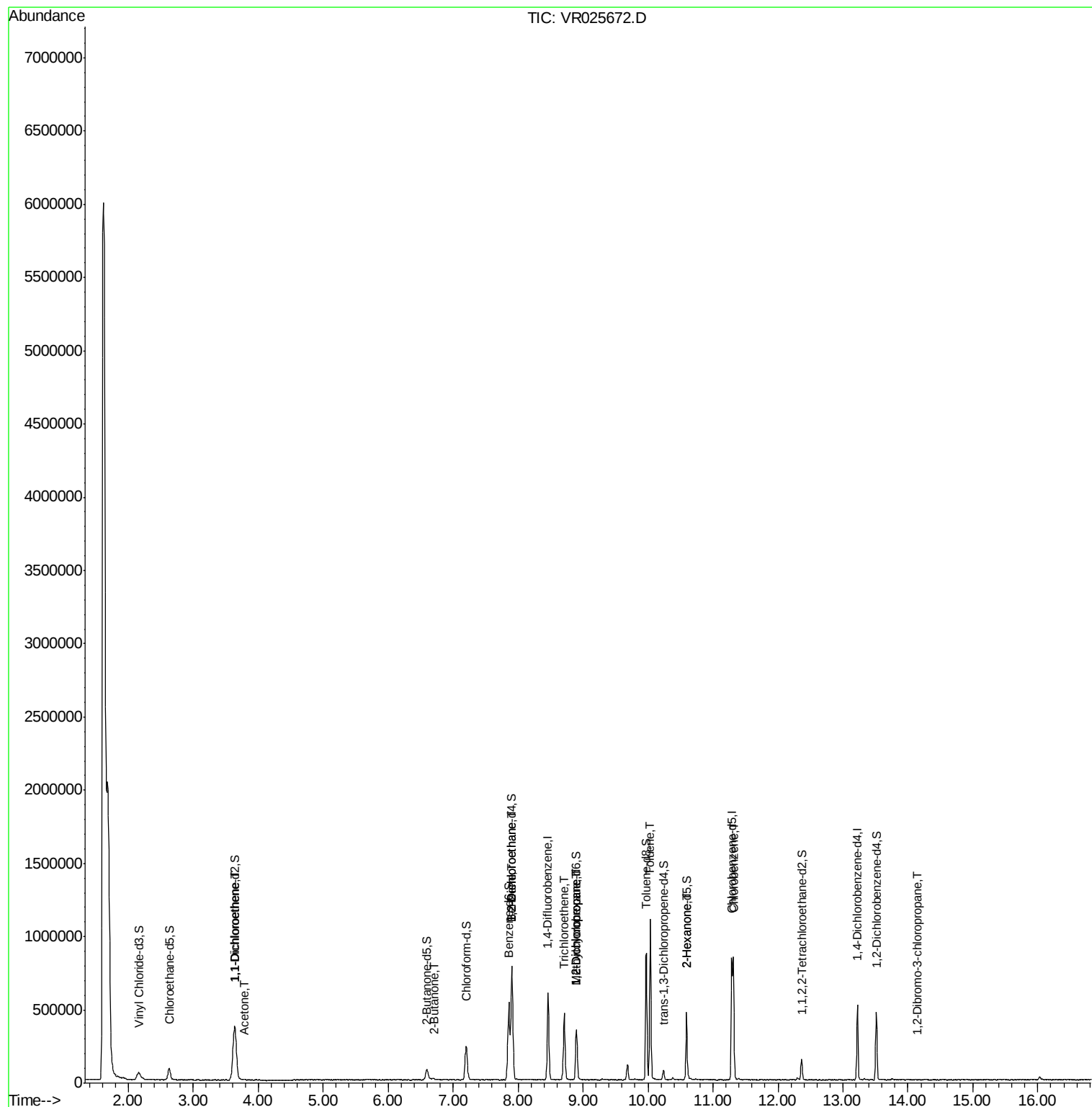
						Ovalue
12) 1,1-Dichloroethene	3.65	96	154037	3.94	ug/L	83
13) Acetone	3.77	43	369	0.24	ug/L	99
21) 2-Butanone	6.69	43	821	0.27	ug/L	96
27) 1,2-Dichloroethane	7.91	62	5251	0.25	ug/L	99
33) Benzene	7.91	78	686339	4.65	ug/L	100
34) Trichloroethene	8.71	95	149820	4.43	ug/L	96
35) Methylcyclohexane	8.90	83	36013	0.65	ug/L #	22
37) 1,2-Dichloropropane	8.90	63	15149	0.47	ug/L #	95
42) Toluene	10.03	91	728103	5.02	ug/L	100
48) 2-Hexanone	10.59	43	16282	2.97	ug/L #	66
51) Chlorobenzene	11.31	112	423582	4.69	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.14	75	215	0.25	ug/L #	34

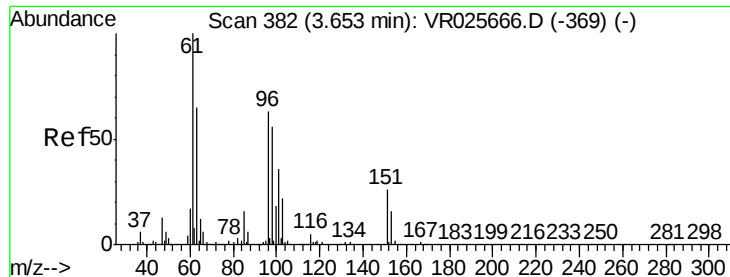
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 3.94 ug/L

RT: 3.65 min Scan# 381

Delta R.T. -0.01 min

Lab File: VR025672.D

Acq: 5 Sep 2018 16:34

Instrument :

MSVOA_R

ClientSampleId :

E5FA8MS

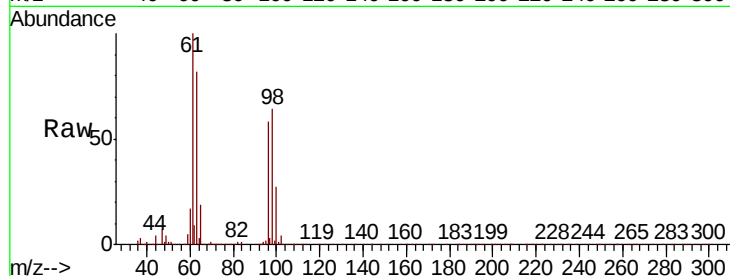
Tot Ion: 96 Resp: 154037

Ion Ratio Lower Upper

96 100

61 171.1 119.8 222.6

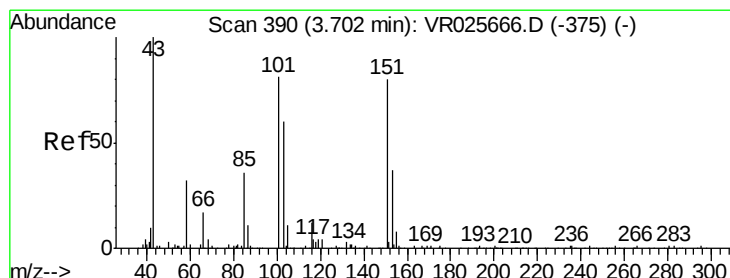
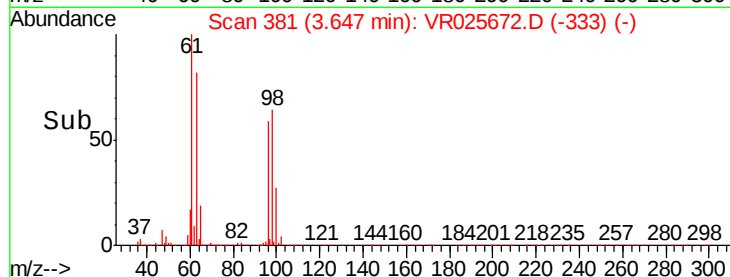
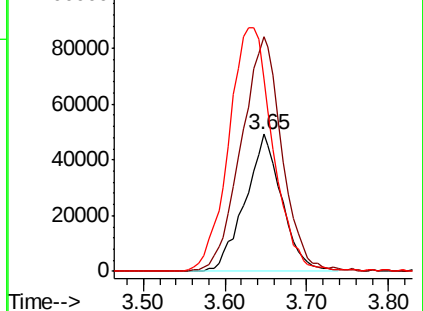
63 140.1 131.1 243.5



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: 0.24 ug/L

RT: 3.77 min Scan# 402

Delta R.T. 0.07 min

Lab File: VR025672.D

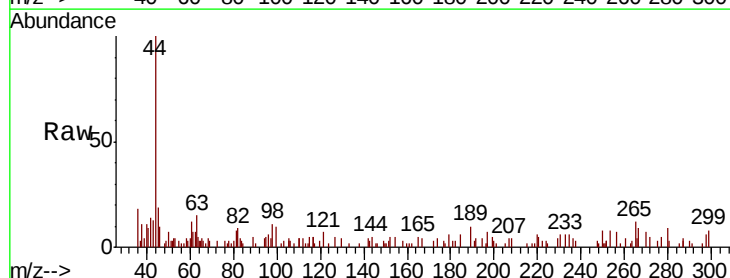
Acq: 5 Sep 2018 16:34

Tgt Ion: 43 Resp: 369

Ion Ratio Lower Upper

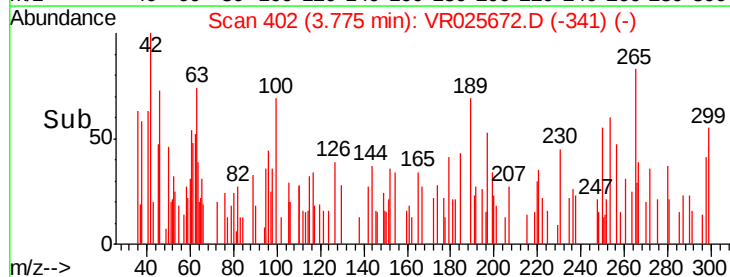
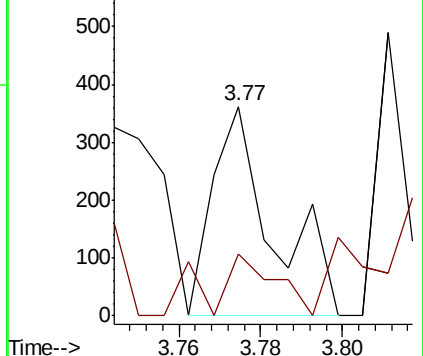
43 100

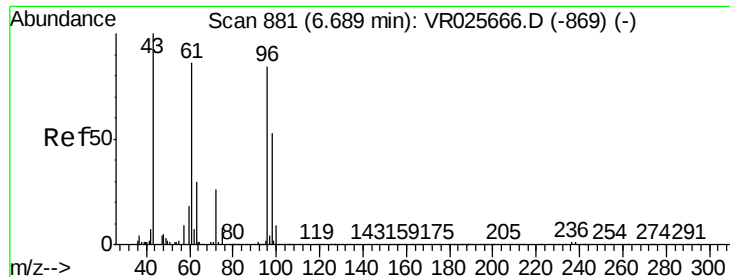
58 32.0 0.0 63.4



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0





#21

2-Butanone

Concen: 0.27 ug/L

RT: 6.69 min Scan# 882

Delta R.T. 0.01 min

Lab File: VR025672.D

Acq: 5 Sep 2018 16:34

Instrument :

MSVOA_R

ClientSampled :

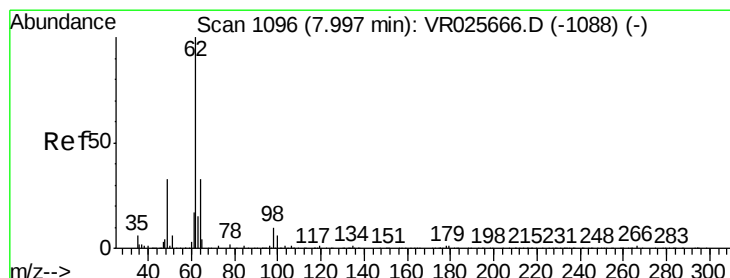
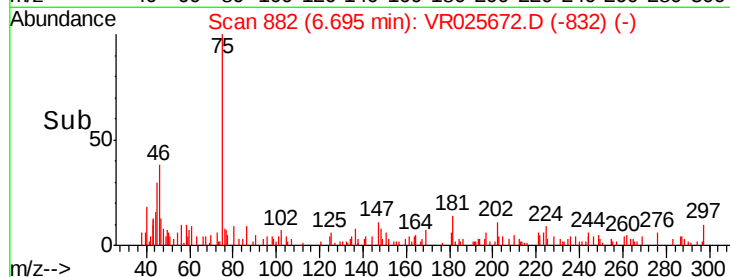
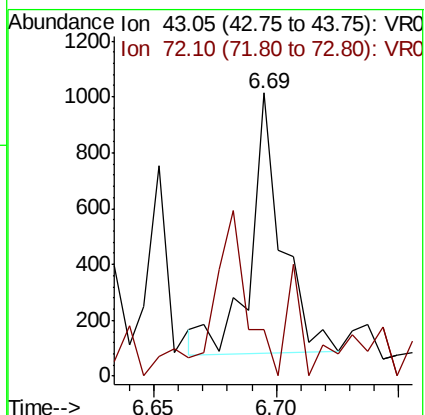
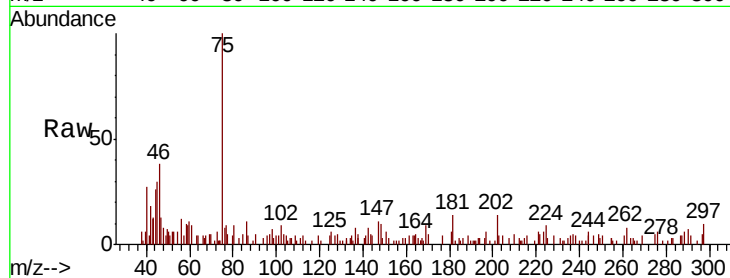
E5FA8MS

Tot Ion: 43 Resp: 821

Ion Ratio Lower Upper

43 100

72 26.3 14.3 42.9



#27

1,2-Dichloroethane

Concen: 0.25 ug/L

RT: 7.91 min Scan# 1081

Delta R.T. -0.09 min

Lab File: VR025672.D

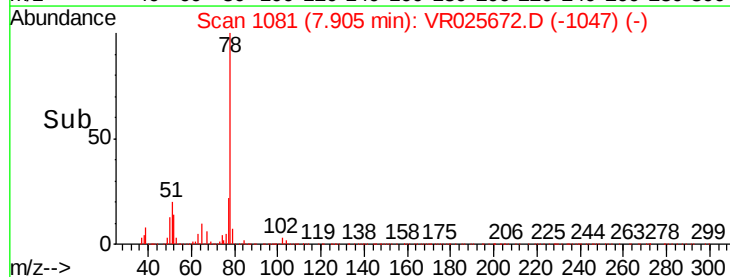
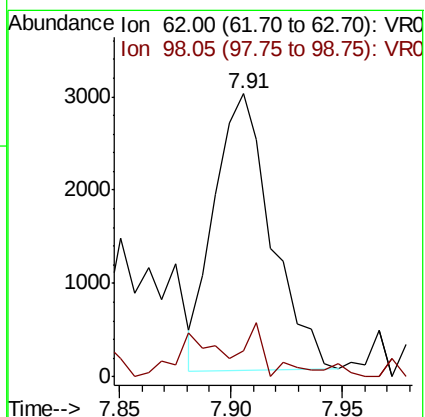
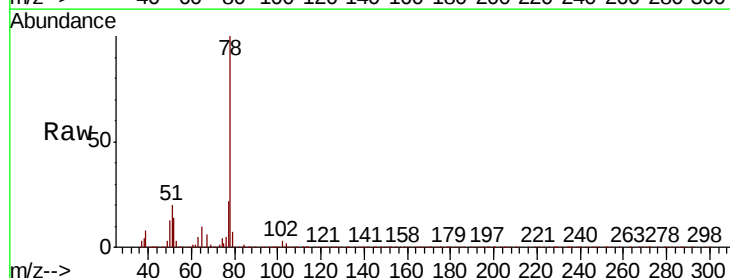
Acq: 5 Sep 2018 16:34

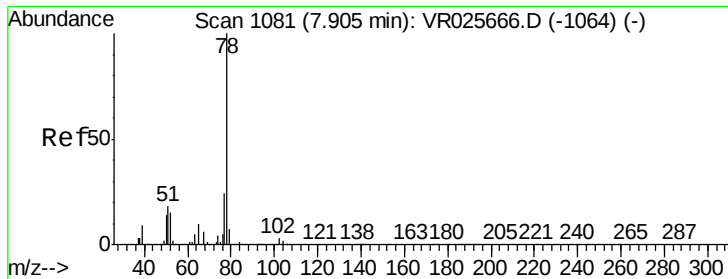
Tgt Ion: 62 Resp: 5251

Ion Ratio Lower Upper

62 100

98 9.2 7.1 10.7





#33

Benzene

Concen: 4.65 ug/L

RT: 7.91 min Scan# 1081

Delta R.T. 0.00 min

Lab File: VR025672.D

Acq: 5 Sep 2018 16:34

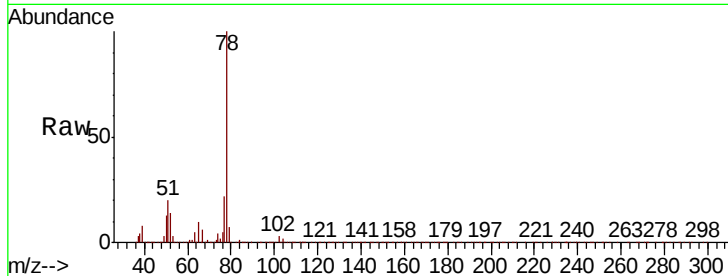
Instrument :

MSVOA_R

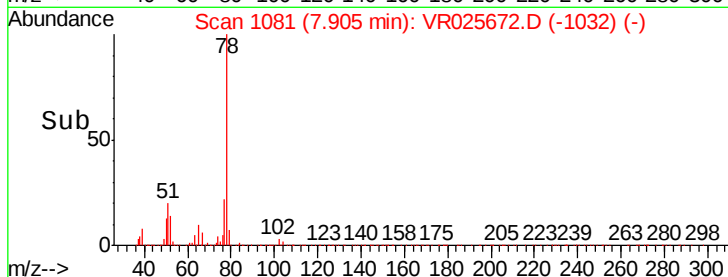
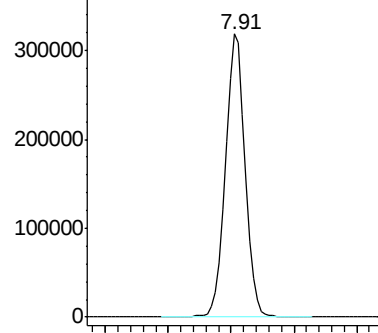
ClientSampleId :

E5FA8MS

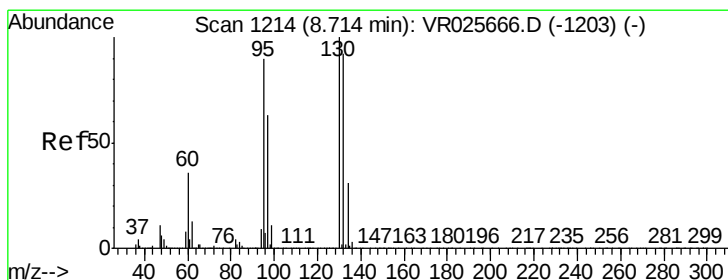
Tgt Ion: 78 Resp: 686339



Abundance Ion 78.10 (77.80 to 78.80): VR0



Time-->



#34

Trichloroethene

Concen: 4.43 ug/L

RT: 8.71 min Scan# 1213

Delta R.T. -0.01 min

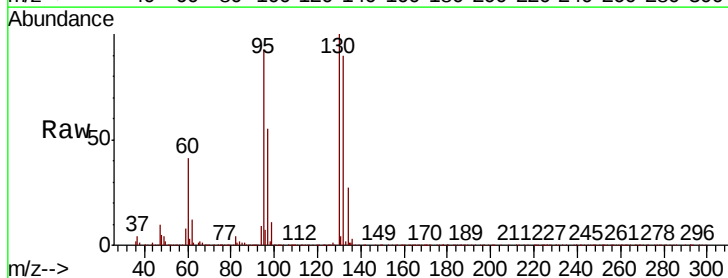
Lab File: VR025672.D

Acq: 5 Sep 2018 16:34

Tgt Ion: 95 Resp: 149820

Ion	Ratio	Lower	Upper
95	100		
97	59.1	45.7	84.9
132	96.1	66.6	123.6
130	107.2	72.2	134.0

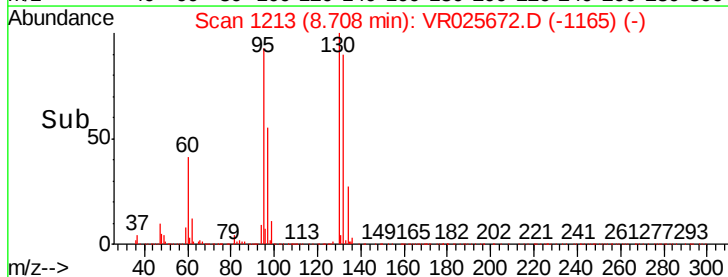
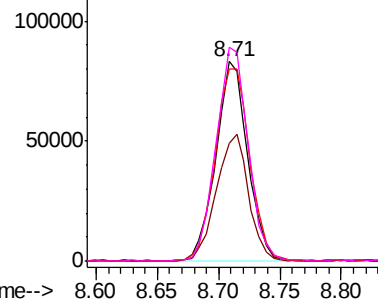
Abundance Ion 95.00 (94.70 to 95.70): VR0

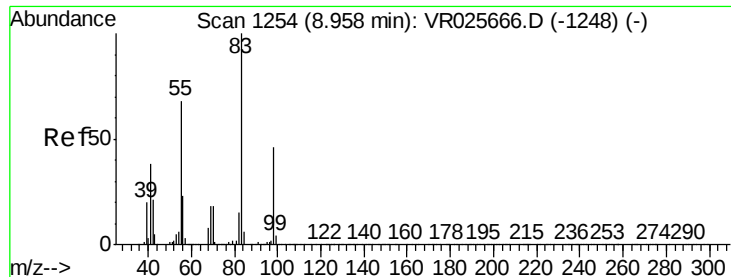


Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

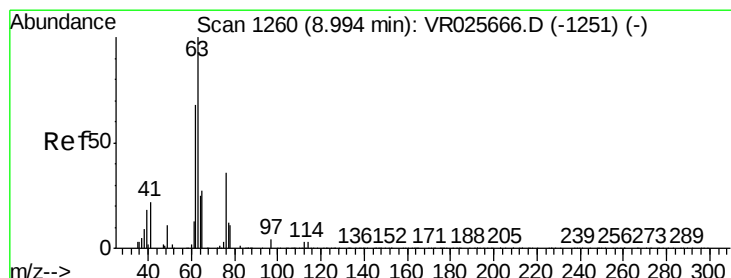
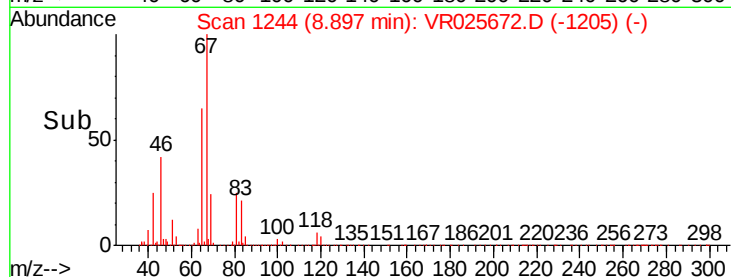
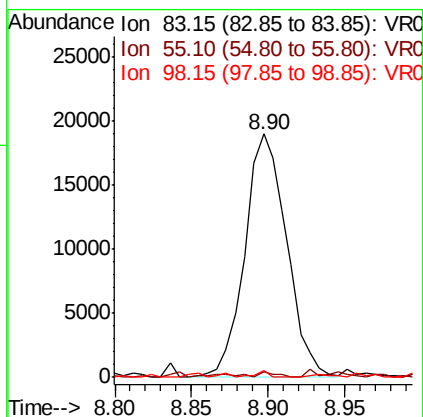
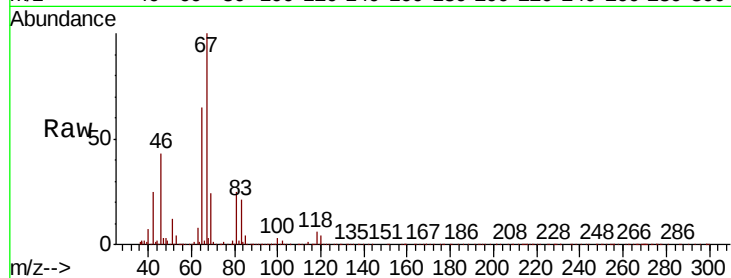




#35
Methylcyclohexane
Concen: 0.65 ug/L
RT: 8.90 min Scan# 1244
Delta R.T. -0.06 min
Lab File: VR025672.D
Acq: 5 Sep 2018 16:34

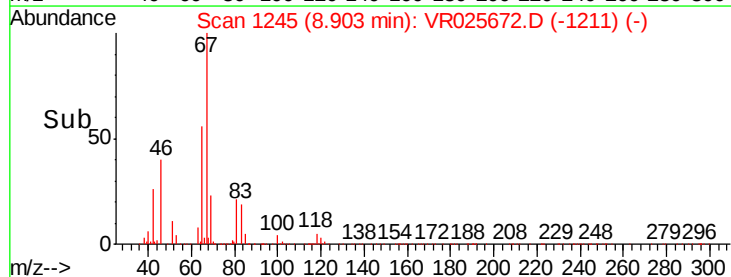
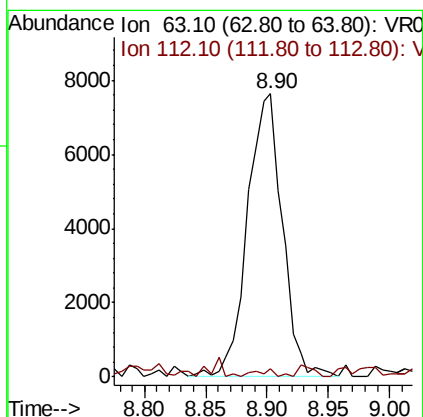
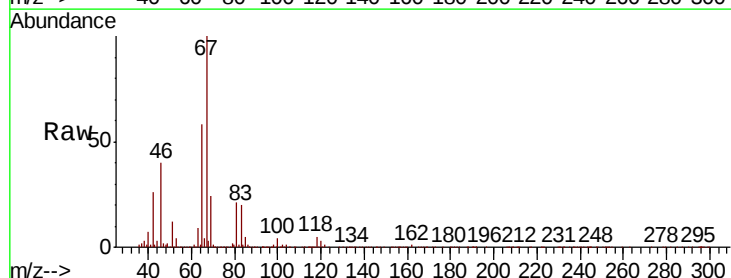
Instrument :
MSVOA_R
ClientSampleId :
E5FA8MS

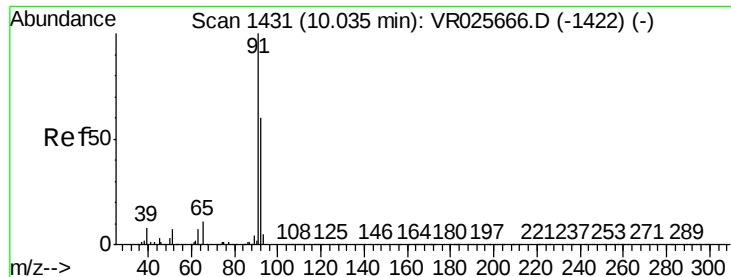
Tot Ion: 83 Resp: 36013
Ion Ratio Lower Upper
83 100
55 1.3 56.7 85.1#
98 0.9 35.8 53.8#



#37
1,2-Dichloropropane
Concen: 0.47 ug/L
RT: 8.90 min Scan# 1245
Delta R.T. -0.09 min
Lab File: VR025672.D
Acq: 5 Sep 2018 16:34

Tgt Ion: 63 Resp: 15149
Ion Ratio Lower Upper
63 100
112 1.4 2.5 3.7#





#42

Toluene

Concen: 5.02 ug/L

RT: 10.03 min Scan# 1431

Delta R.T. 0.00 min

Lab File: VR025672.D

Acq: 5 Sep 2018 16:34

Instrument :

MSVOA_R

ClientSampled :

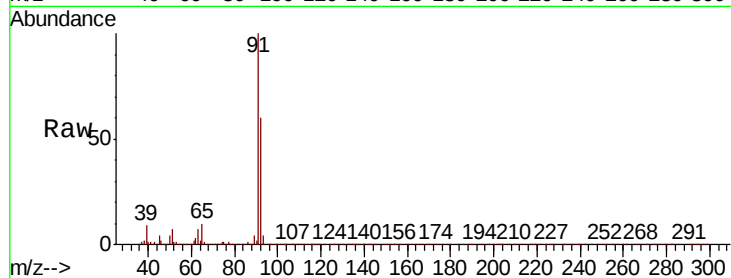
E5FA8MS

Tot Ion: 91 Resp: 728103

Ion Ratio Lower Upper

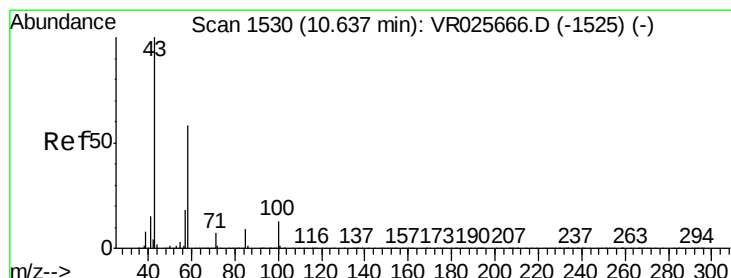
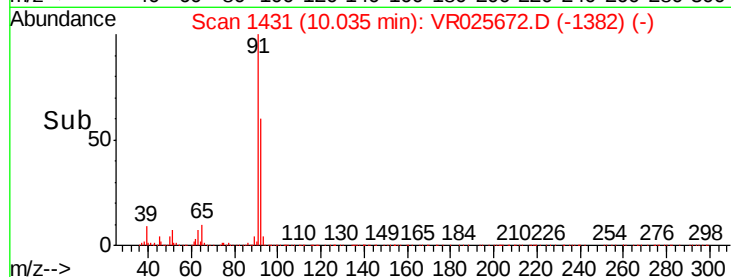
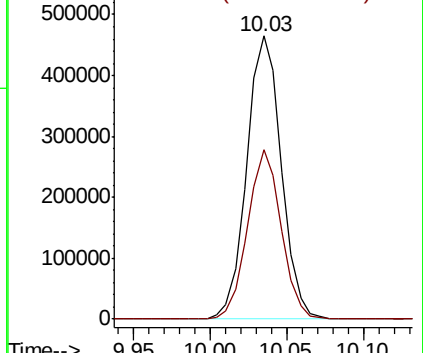
91 100

92 59.8 42.0 78.0



Abundance Ion 91.15 (90.85 to 91.85): VR0

Ion 92.15 (91.85 to 92.85): VR0



#48

2-Hexanone

Concen: 2.97 ug/L

RT: 10.59 min Scan# 1522

Delta R.T. -0.05 min

Lab File: VR025672.D

Acq: 5 Sep 2018 16:34

Tgt Ion: 43 Resp: 16282

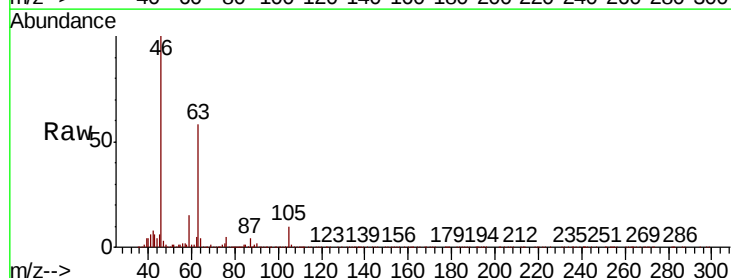
Ion Ratio Lower Upper

43 100

58 32.2 46.4 69.6#

57 35.5 14.3 21.5#

100 4.4 8.8 13.2#

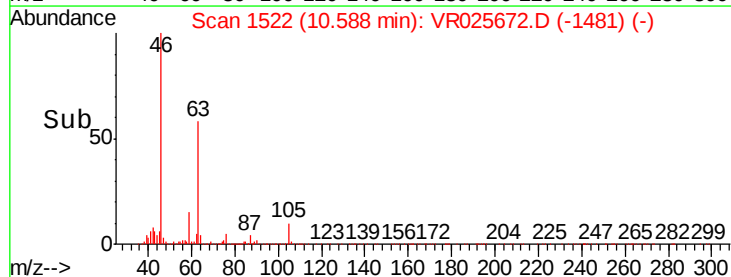
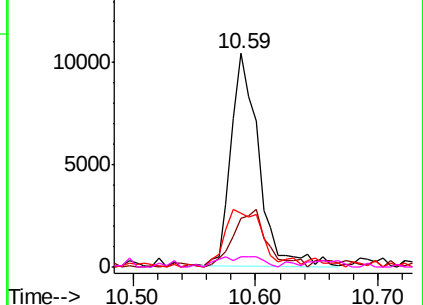


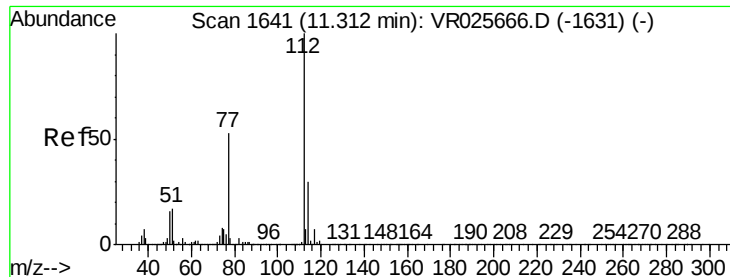
Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 57.20 (56.90 to 57.90): VR0

Ion 100.15 (99.85 to 100.85): VR0

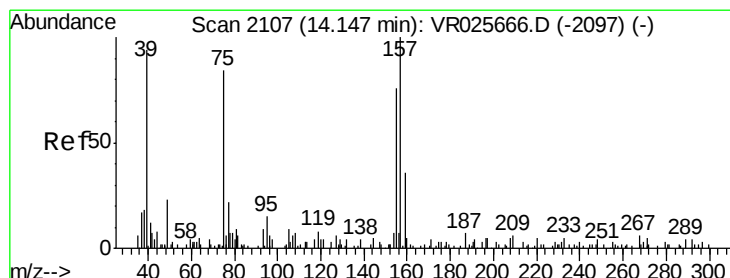
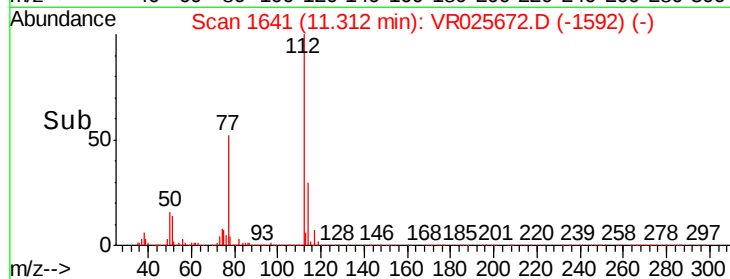
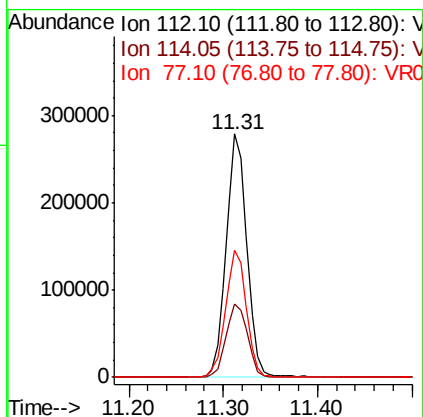
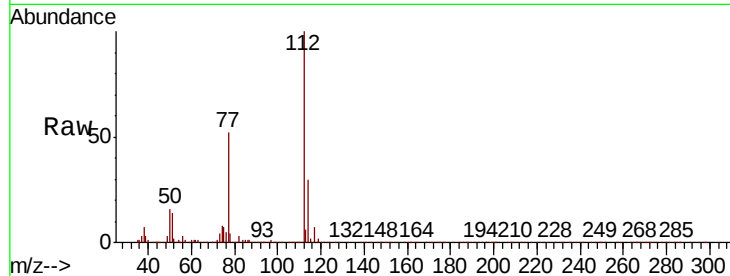




#51
Chlorobenzene
Concen: 4.69 ug/L
RT: 11.31 min Scan# 1641
Delta R.T. 0.00 min
Lab File: VR025672.D
Acq: 5 Sep 2018 16:34

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
112	100		
114	30.1	21.8	40.4
77	52.3	43.0	64.4



#66
1,2-Dibromo-3-chloropropane
Concen: 0.25 ug/L
RT: 14.14 min Scan# 2106
Delta R.T. -0.01 min
Lab File: VR025672.D
Acq: 5 Sep 2018 16:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.3	55.2	82.8
157	0.0	89.4	134.2#

