

Data File : VR025637.D
Acq On : 24 Aug 2018 16:22
Operator : SY/MD
Sample : J4643-08
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
H0K17

Quant Time: Aug 24 23:05:55 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	8.47	114	474355	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	396868	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	117553	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	116592	3.77	ug/L	-0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.40%
7) Chloroethane-d5	2.63	69	111553	4.19	ug/L	0.01
Spiked Amount	5.000	Range	65 - 130	Recovery	=	83.80%
11) 1,1-Dichloroethene-d2	3.62	63	221173	2.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	58.00%#
20) 2-Butanone-d5	6.59	46	134167	57.03	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.06%
24) Chloroform-d	7.20	84	214994	3.97	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.40%
26) 1,2-Dichloroethane-d4	7.90	65	78811	4.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	83.60%
32) Benzene-d6	7.86	84	502435	3.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.40%
36) 1,2-Dichloropropane-d6	8.90	67	142672	4.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.20%
41) Toluene-d8	9.97	98	452308	3.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	77.00%
43) trans-1,3-Dichloropropene-	10.24	79	28722	3.68	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.60%
46) 2-Hexanone-d5	10.59	63	140331	54.94	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.88%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	62062	4.07	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	81.40%
64) 1,2-Dichlorobenzene-d4	13.51	152	97690	5.20	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.00%

Target Compounds

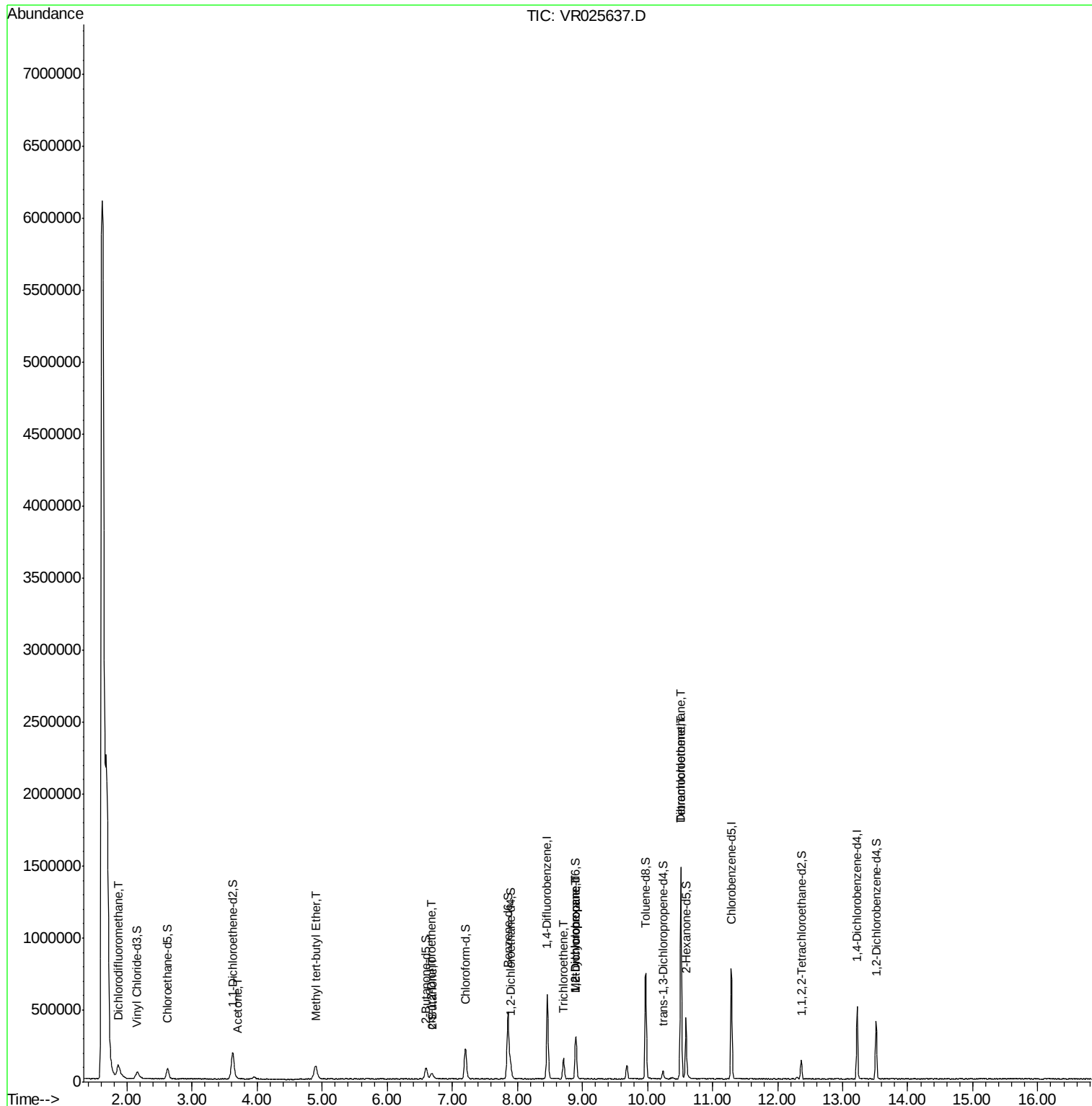
						Qvalue
2) Dichlorodifluoromethane	1.87	85	5446	0.207	ug/L	91
13) Acetone	3.71	43	4699	3.206	ug/L	97
17) Methyl tert-butyl Ether	4.90	73	142501	3.731	ug/L	99
21) 2-Butanone	6.68	43	1569	0.543	ug/L #	62
22) cis-1,2-Dichloroethene	6.67	96	11761	0.348	ug/L #	88
34) Trichloroethene	8.71	95	49228	1.483	ug/L	93
35) Methylcyclohexane	8.90	83	31986	0.592	ug/L #	23
37) 1,2-Dichloropropane	8.90	63	13662	0.429	ug/L #	92
47) Tetrachloroethene	10.52	164	305869	12.048	ug/L	96
49) Dibromochloromethane	10.52	129	259688	17.167	ug/L #	13

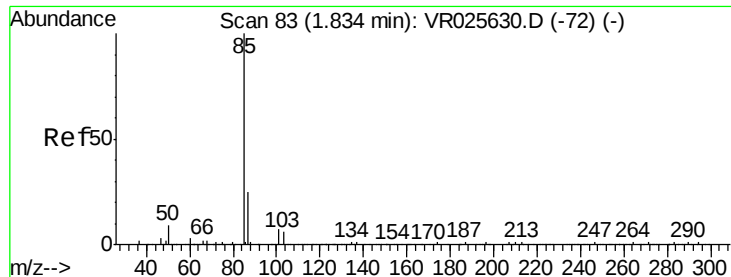
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.207 ug/L

RT: 1.87 min Scan# 89

Delta R.T. 0.04 min

Lab File: VR025637.D

Acq: 24 Aug 2018 16:22

Instrument :

MSVOA_R

ClientSampleId :

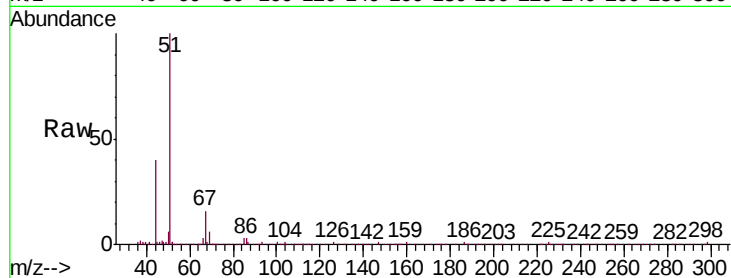
H0K17

Tgt Ion: 85 Resp: 5446

Ion Ratio Lower Upper

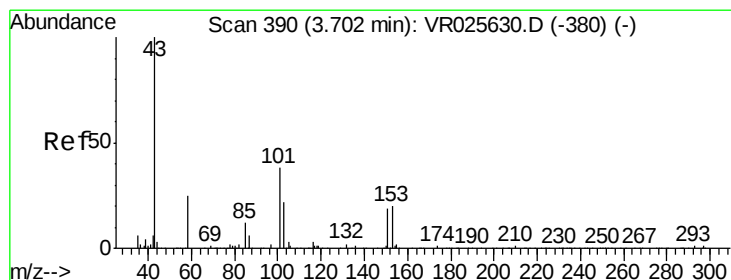
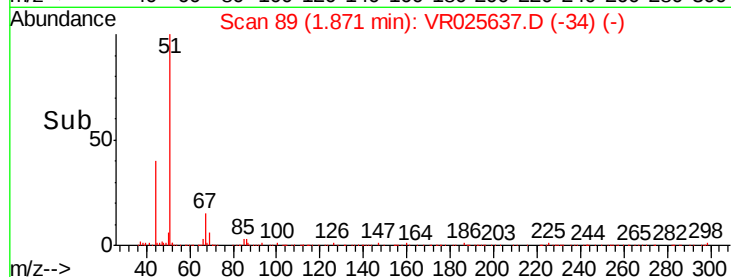
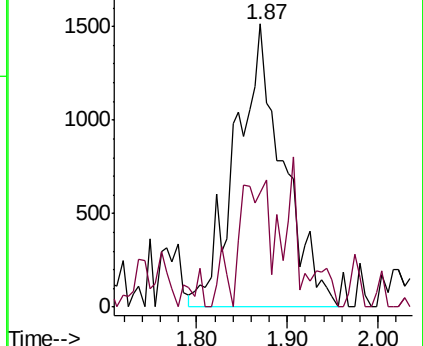
85 100

87 24.6 23.5 35.3



Abundance Ion 85.00 (84.70 to 85.70): VR0

Ion 87.00 (86.70 to 87.70): VR0



#13

Acetone

Concen: 3.206 ug/L

RT: 3.71 min Scan# 391

Delta R.T. 0.01 min

Lab File: VR025637.D

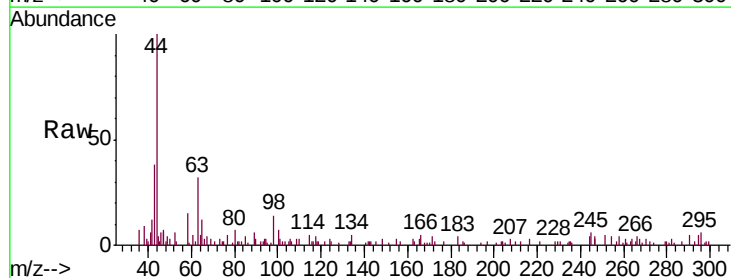
Acq: 24 Aug 2018 16:22

Tgt Ion: 43 Resp: 4699

Ion Ratio Lower Upper

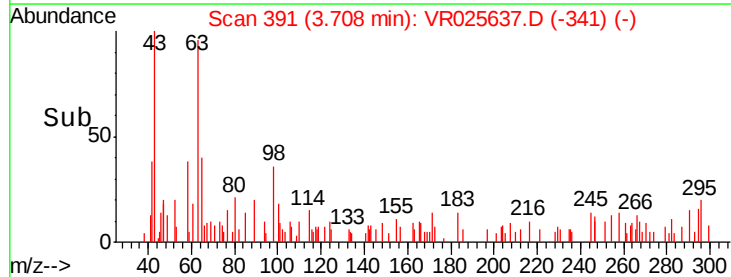
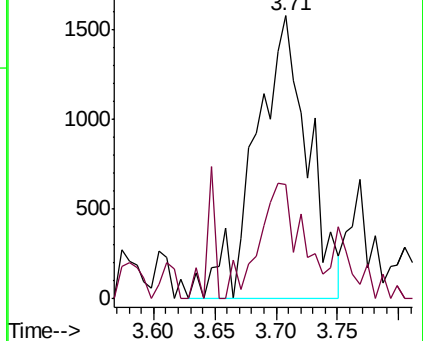
43 100

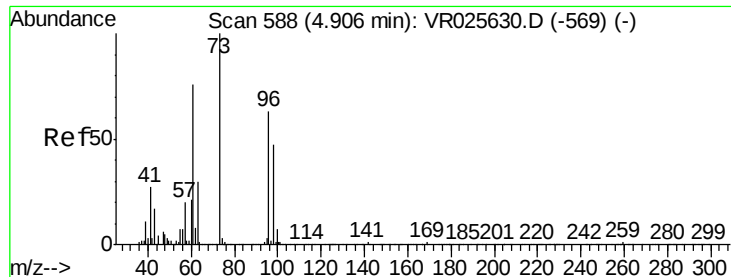
58 33.3 0.0 63.4



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: 3.731 ug/L

RT: 4.90 min Scan# 587

Delta R.T. 0.01 min

Lab File: VR025637.D

Acq: 24 Aug 2018 16:22

Instrument :

MSVOA_R

ClientSampleId :

H0K17

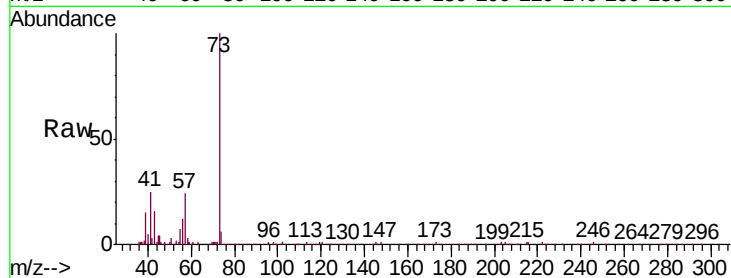
Tgt Ion: 73 Resp: 142501

Ion Ratio Lower Upper

73 100

43 18.0 14.8 22.2

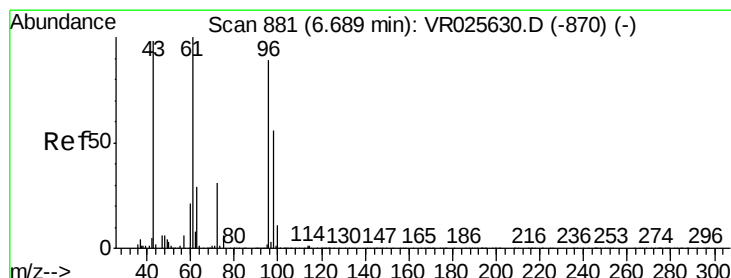
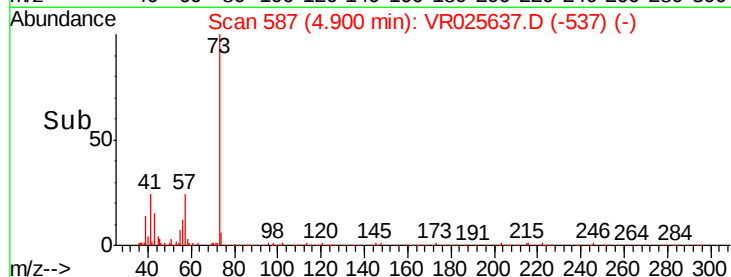
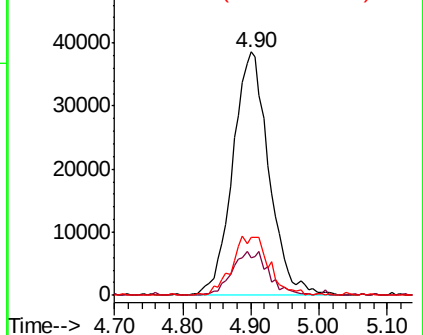
57 25.0 19.9 29.9



Abundance Ion 73.10 (72.80 to 73.80): VR0

Ion 43.05 (42.75 to 43.75): VR0

Ion 57.10 (56.80 to 57.80): VR0



#21

2-Butanone

Concen: 0.543 ug/L

RT: 6.68 min Scan# 880

Delta R.T. -0.01 min

Lab File: VR025637.D

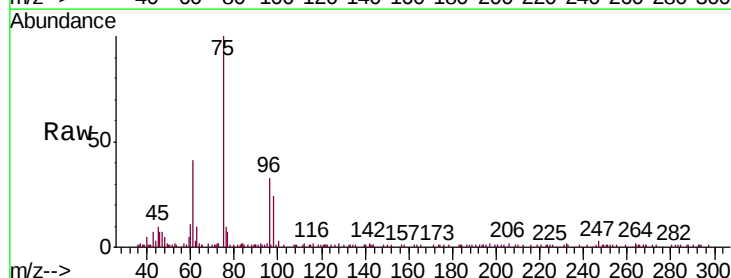
Acq: 24 Aug 2018 16:22

Tgt Ion: 43 Resp: 1569

Ion Ratio Lower Upper

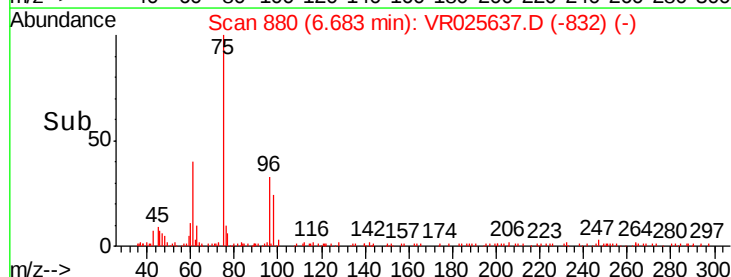
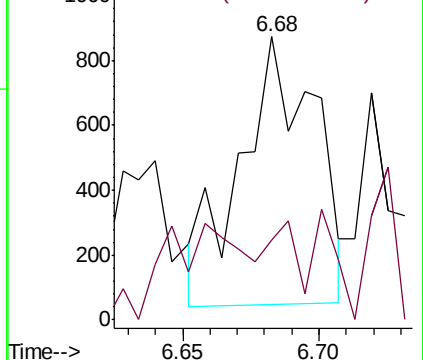
43 100

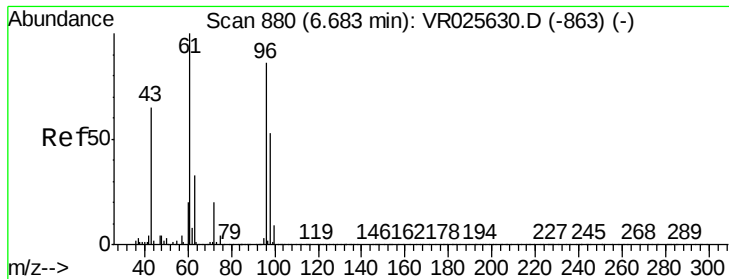
72 8.3 14.3 42.9#



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 72.10 (71.80 to 72.80): VR0



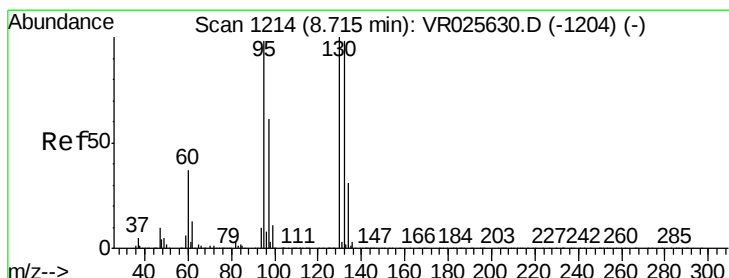
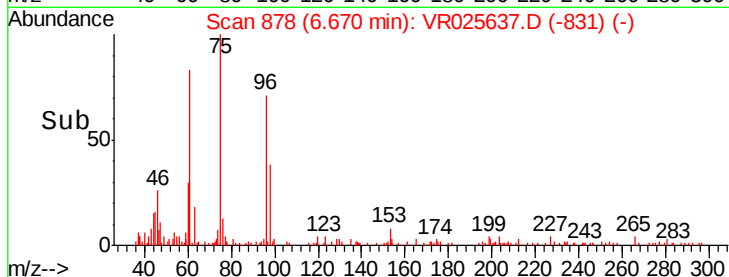
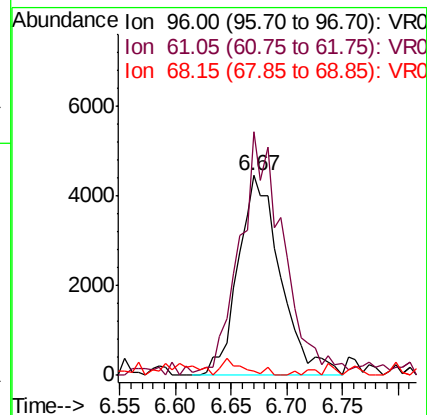
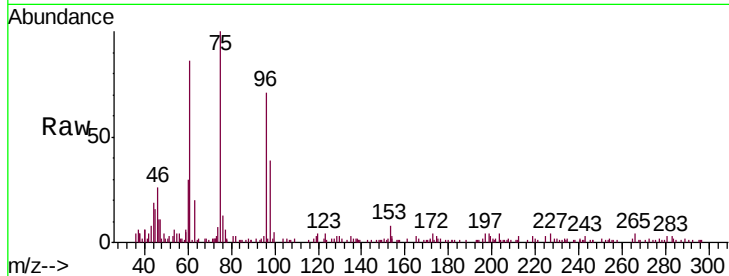


#22

cis-1,2-Dichloroethene
Concen: 0.348 ug/L
RT: 6.67 min Scan# 878
Delta R.T. -0.01 min
Lab File: VR025637.D
Acq: 24 Aug 2018 16:22

Instrument :
MSVOA_R
ClientSampleId :
H0K17

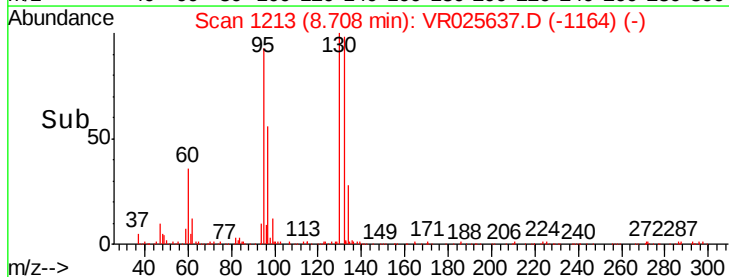
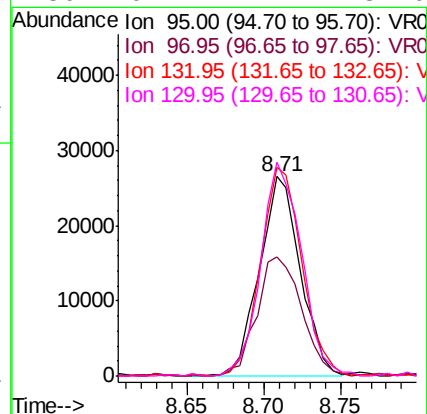
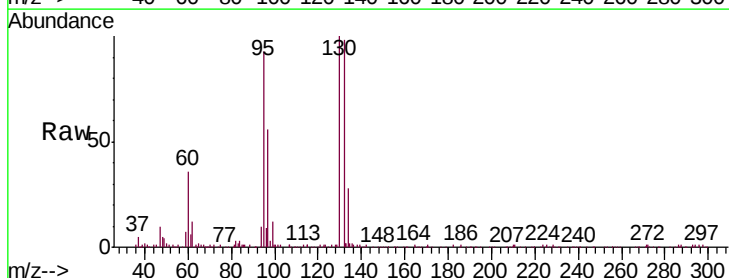
Tgt Ion: 96 Resp: 11761
Ion Ratio Lower Upper
96 100
61 121.8 76.7 142.5
68 2.2 0.1 0.3#

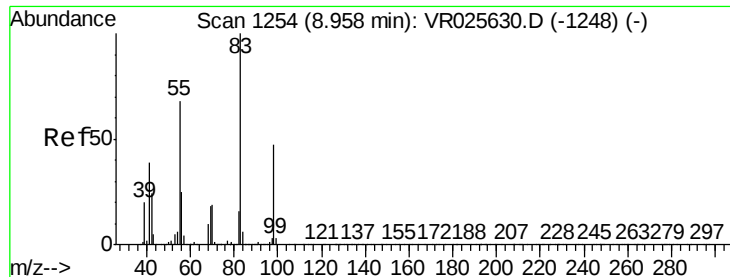


#34

Trichloroethene
Concen: 1.483 ug/L
RT: 8.71 min Scan# 1213
Delta R.T. 0.00 min
Lab File: VR025637.D
Acq: 24 Aug 2018 16:22

Tgt Ion: 95 Resp: 49228
Ion Ratio Lower Upper
95 100
97 59.9 45.7 84.9
132 104.9 66.6 123.6
130 107.1 72.2 134.0





#35

Methylcyclohexane

Concen: 0.592 ug/L

RT: 8.90 min Scan# 1244

Delta R.T. -0.06 min

Lab File: VR025637.D

Acq: 24 Aug 2018 16:22

Instrument :

MSVOA_R

ClientSampleId :

H0K17

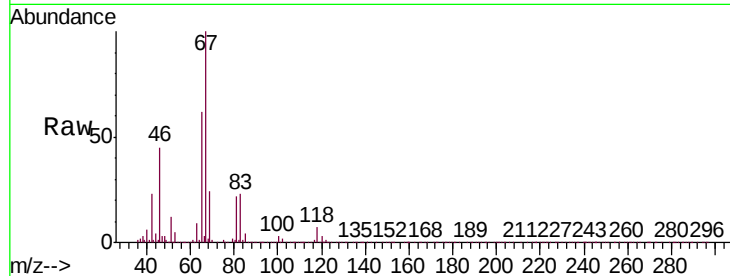
Tgt Ion: 83 Resp: 31986

Ion Ratio Lower Upper

83 100

55 0.7 56.7 85.1#

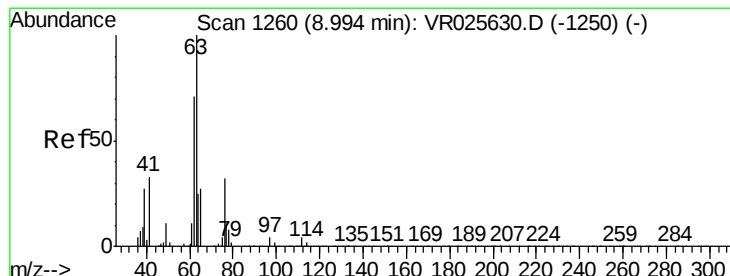
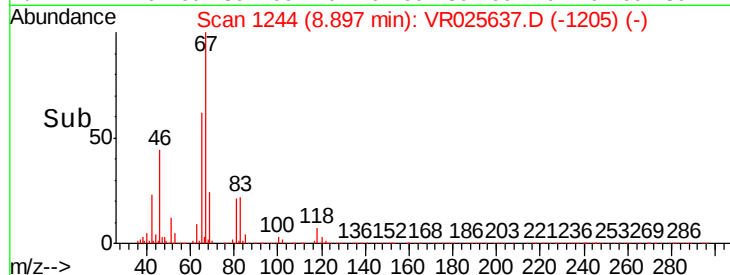
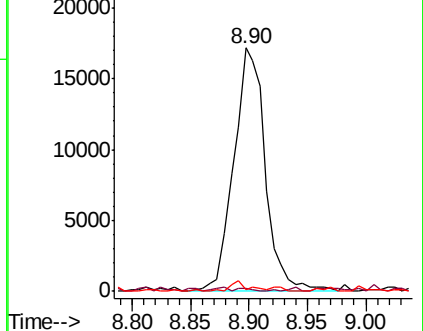
98 2.0 35.8 53.8#



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: 0.429 ug/L

RT: 8.90 min Scan# 1245

Delta R.T. -0.09 min

Lab File: VR025637.D

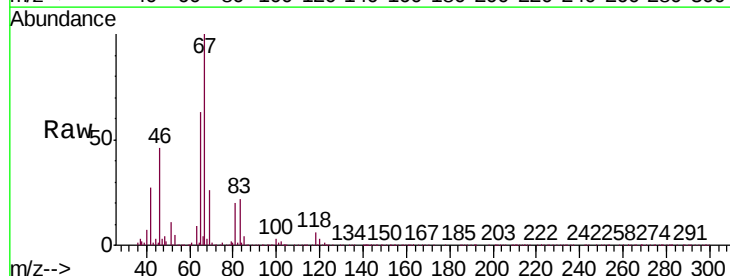
Acq: 24 Aug 2018 16:22

Tgt Ion: 63 Resp: 13662

Ion Ratio Lower Upper

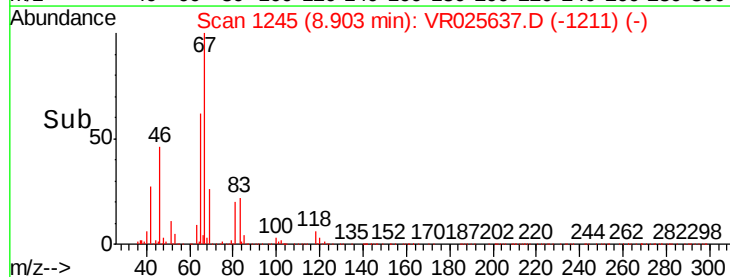
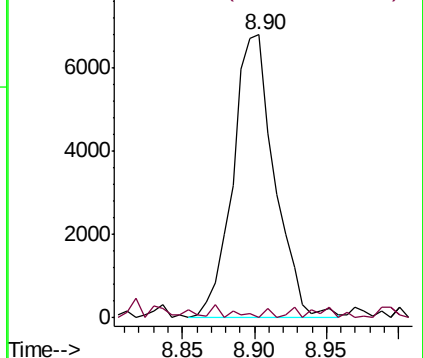
63 100

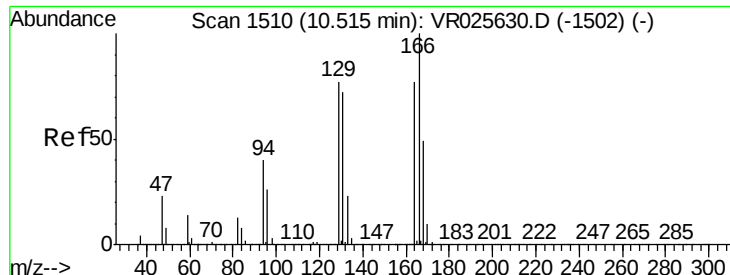
112 0.6 2.5 3.7#



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 112.10 (111.80 to 112.80): V





#47

Tetrachloroethene

Concen: 12.048 ug/L

RT: 10.52 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VR025637.D

Acq: 24 Aug 2018 16:22

Instrument :

MSVOA_R

ClientSampleId :

H0K17

Tgt Ion:164 Resp: 305869

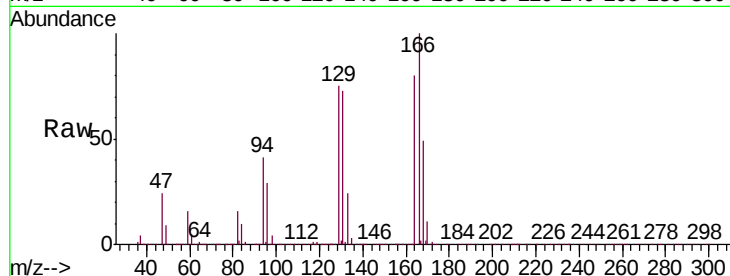
Ion Ratio Lower Upper

164 100

129 93.4 68.7 127.5

131 92.0 66.4 123.4

166 125.3 84.6 157.0

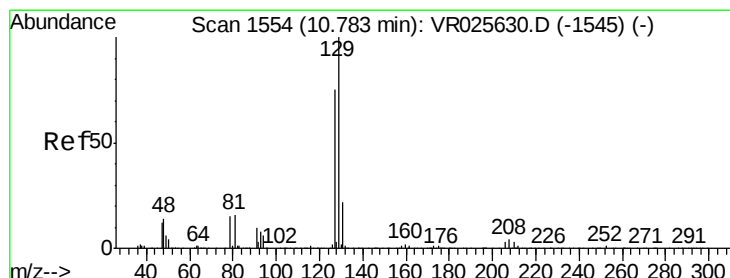
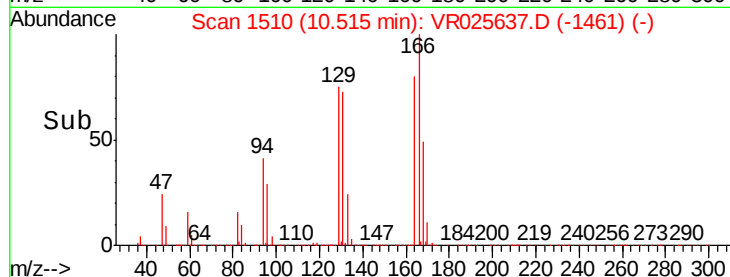
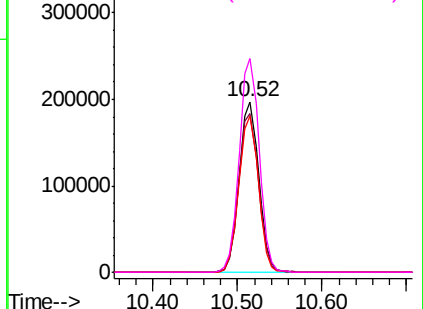


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#49

Dibromochloromethane

Concen: 17.167 ug/L

RT: 10.52 min Scan# 1510

Delta R.T. -0.27 min

Lab File: VR025637.D

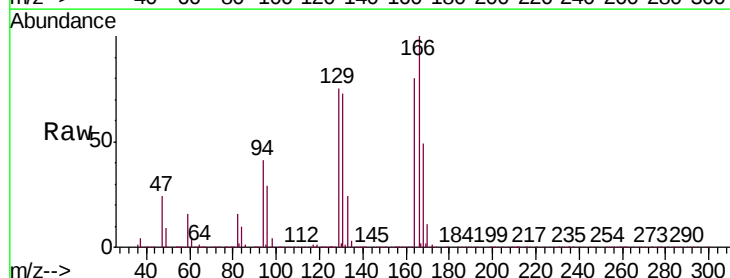
Acq: 24 Aug 2018 16:22

Tgt Ion:129 Resp: 259688

Ion Ratio Lower Upper

129 100

127 0.4 51.6 95.8#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

