

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR062018\
 Data File : VR025383.D
 Acq On : 20 Jun 2018 16:29
 Operator : SY/MD
 Sample : J3514-19
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 C0KH6

Quant Time: Jun 21 01:42:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR061518WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 21 01:40:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.47	114	530975	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	489148	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	159848	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	75557	4.18	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.60%
7) Chloroethane-d5	2.64	69	59642	4.49	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.80%
11) 1,1-Dichloroethene-d2	3.65	63	218840	4.70	ug/L	0.01
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.00%
20) 2-Butanone-d5	6.60	46	326006	67.25	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	134.50%#
24) Chloroform-d	7.21	84	385171	5.70	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	114.00%
26) 1,2-Dichloroethane-d4	7.90	65	159612	6.17	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	123.40%
32) Benzene-d6	7.86	84	811564	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	8.90	67	256648	5.45	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.00%
41) Toluene-d8	9.97	98	693461	4.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.60%
43) trans-1,3-Dichloropropene-	10.24	79	39951	3.19	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	63.80%
46) 2-Hexanone-d5	10.59	63	283750	65.19	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	130.38%#
57) 1,1,2,2-Tetrachloroethane-	12.36	84	116471	6.35	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	127.00%#
64) 1,2-Dichlorobenzene-d4	13.51	152	164946	6.08	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	121.60%#

Target Compounds

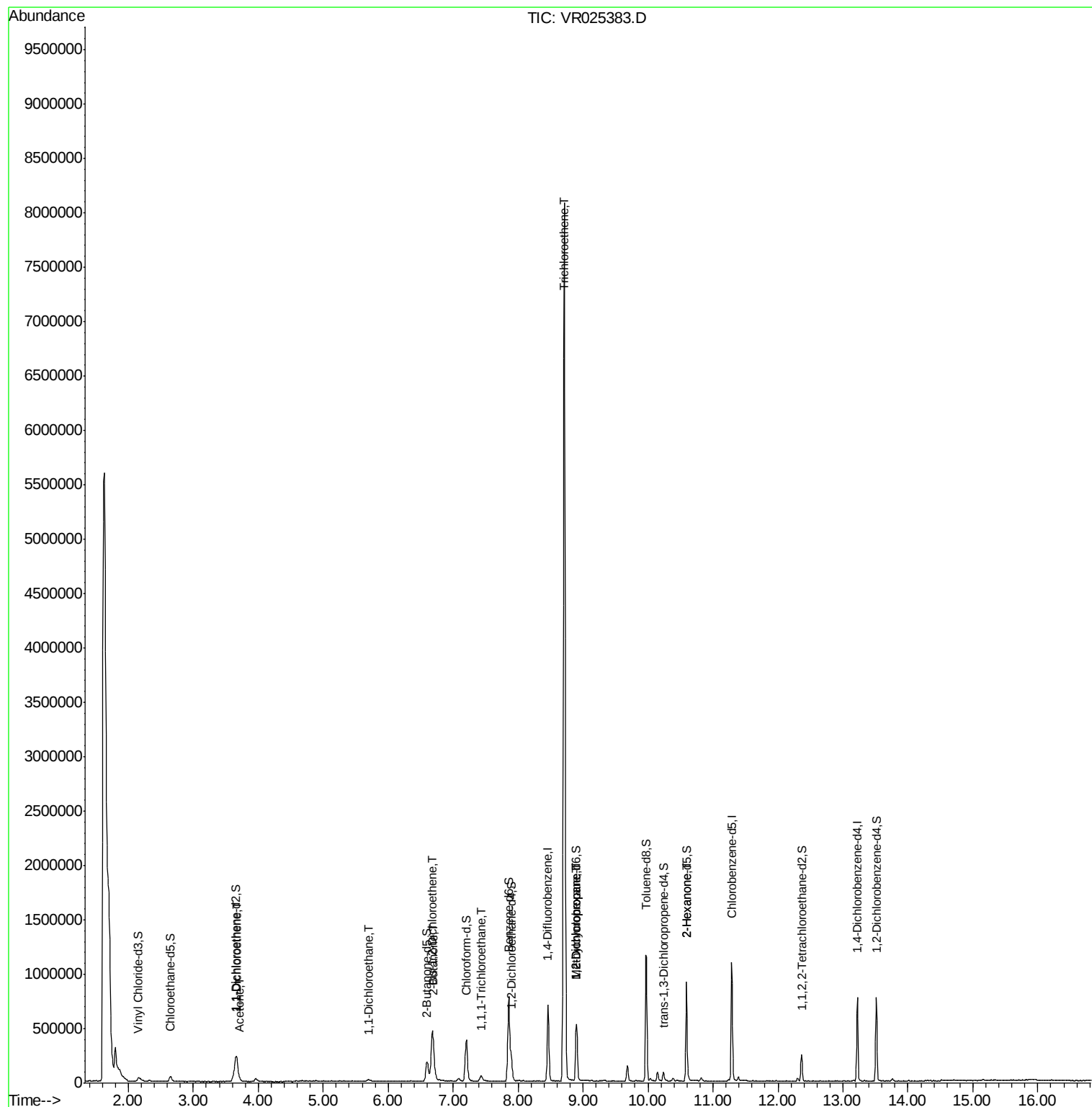
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,1-Dichloroethene	3.67	96	86499	4.634	ug/L	94
13) Acetone	3.71	43	19761	9.026	ug/L	95
19) 1,1-Dichloroethane	5.70	63	21476	0.298	ug/L	88
21) 2-Butanone	6.70	43	66832	12.915	ug/L	91
22) cis-1,2-Dichloroethene	6.68	96	234504	5.857	ug/L	96
29) 1,1,1-Trichloroethane	7.43	97	42615	0.733	ug/L	95
34) Trichloroethene	8.71	95	2914981	62.736	ug/L	98
35) Methylcyclohexane	8.90	83	57810	0.788	ug/L #	17
37) 1,2-Dichloropropane	8.90	63	25324	0.593	ug/L #	94
48) 2-Hexanone	10.59	43	33951	3.855	ug/L #	72

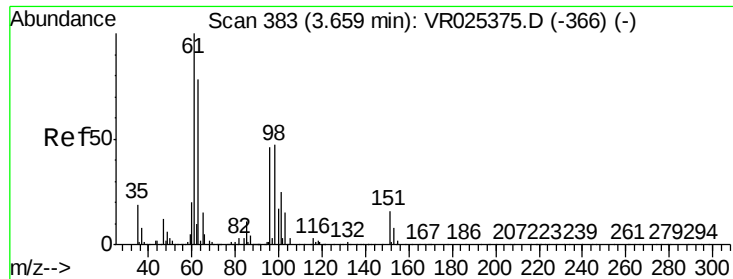
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 4.634 ug/L

RT: 3.67 min Scan# 385

Delta R.T. 0.01 min

Lab File: VR025383.D

Acq: 20 Jun 2018 16:29

Instrument :

MSVOA_R

ClientSampleId :

C0KH6

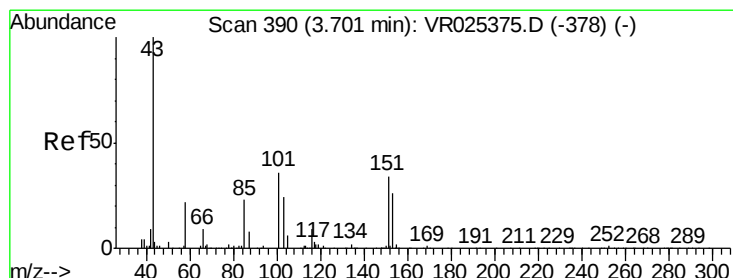
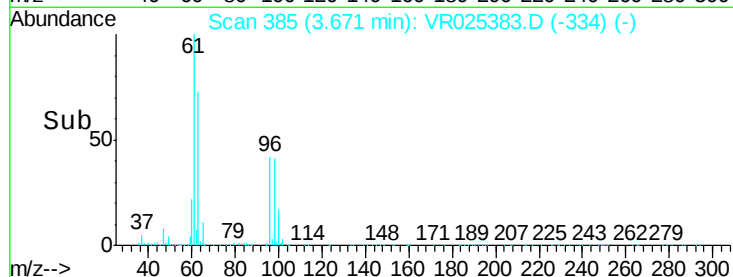
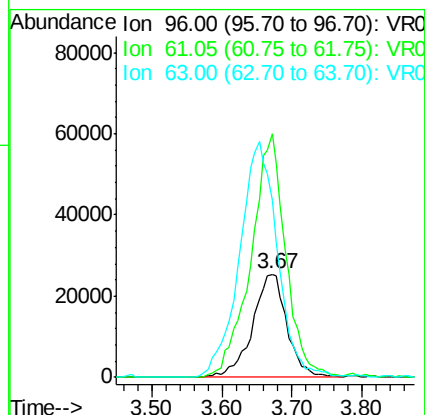
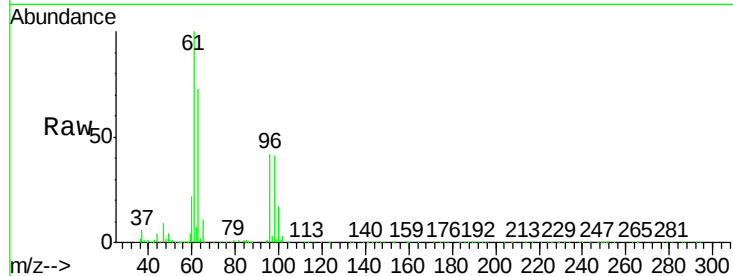
Tgt Ion: 96 Resp: 86499

Ion Ratio Lower Upper

96 100

61 236.1 155.0 287.9

63 171.7 122.3 227.1



#13

Acetone

Concen: 9.026 ug/L

RT: 3.71 min Scan# 392

Delta R.T. 0.01 min

Lab File: VR025383.D

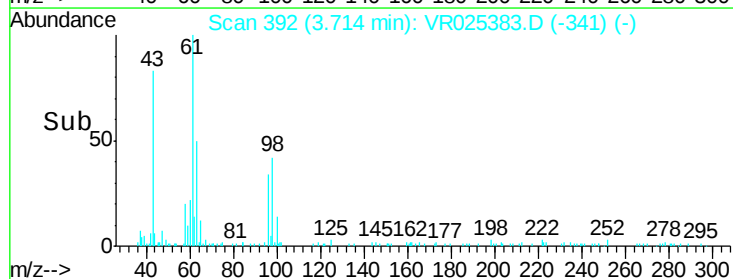
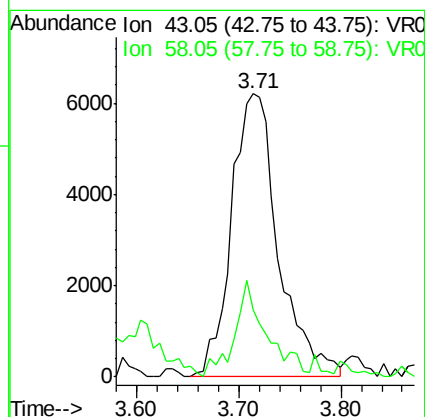
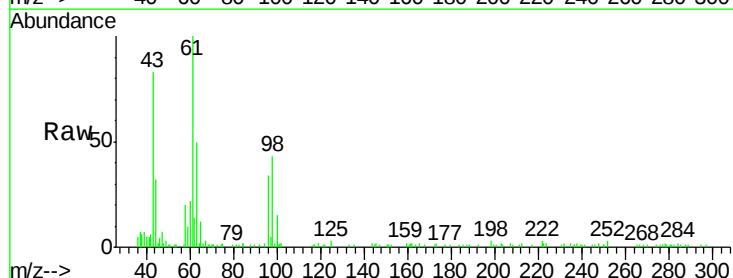
Acq: 20 Jun 2018 16:29

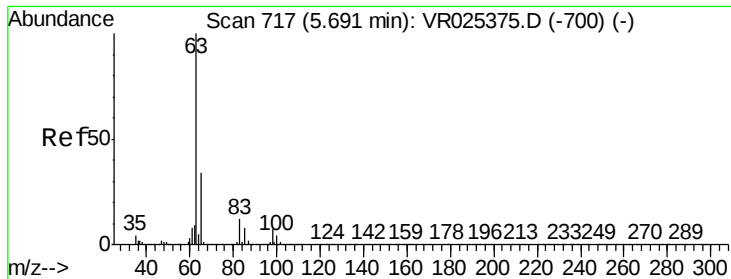
Tgt Ion: 43 Resp: 19761

Ion Ratio Lower Upper

43 100

58 23.2 0.0 41.6

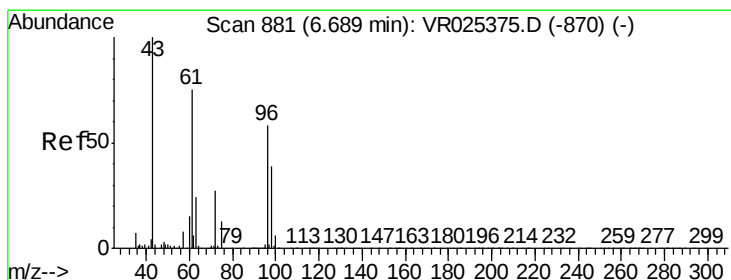
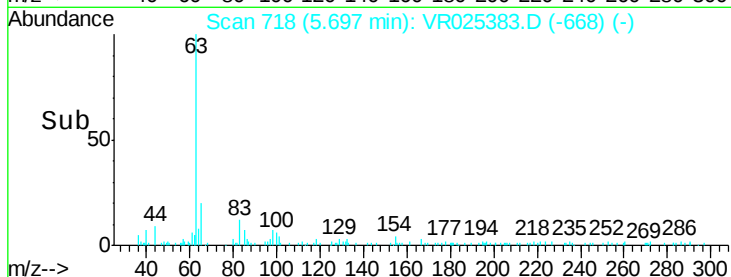
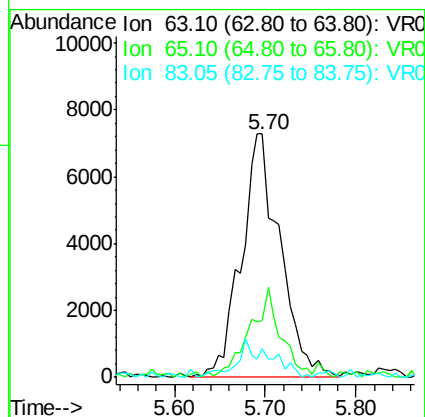
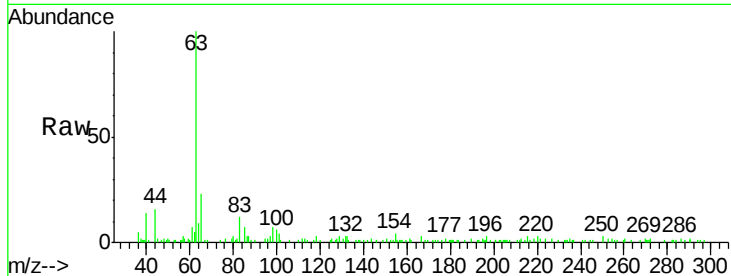




#19
1,1-Dichloroethane
Concen: 0.298 ug/L
RT: 5.70 min Scan# 718
Delta R.T. 0.01 min
Lab File: VR025383.D
Acq: 20 Jun 2018 16:29

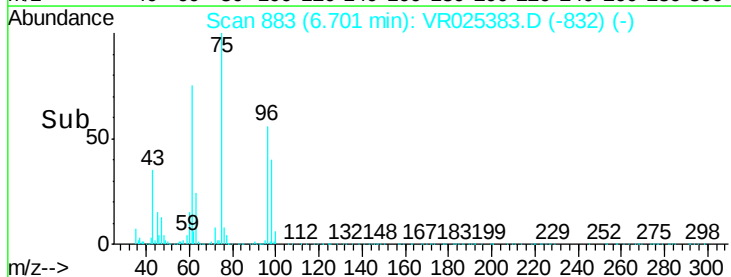
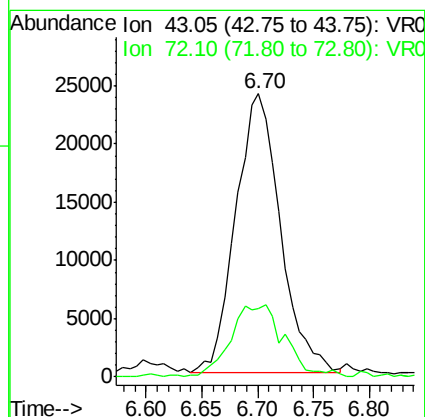
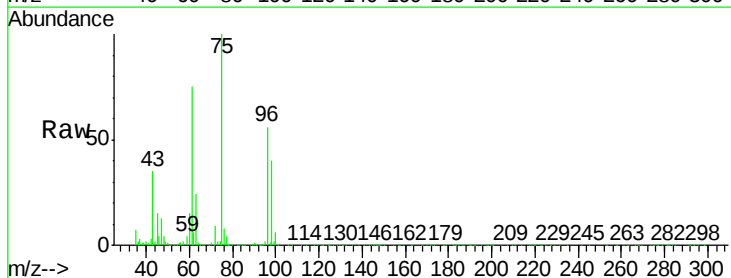
Instrument :
MSVOA_R
ClientSampleId :
C0KH6

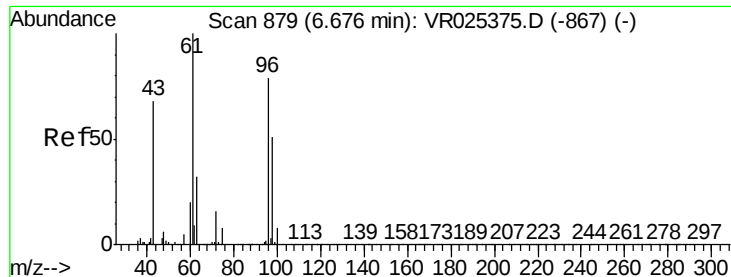
Tgt Ion: 63 Resp: 21476
Ion Ratio Lower Upper
63 100
65 23.3 22.5 41.7
83 11.8 9.5 17.7



#21
2-Butanone
Concen: 12.915 ug/L
RT: 6.70 min Scan# 883
Delta R.T. 0.01 min
Lab File: VR025383.D
Acq: 20 Jun 2018 16:29

Tgt Ion: 43 Resp: 66832
Ion Ratio Lower Upper
43 100
72 30.5 13.0 38.9



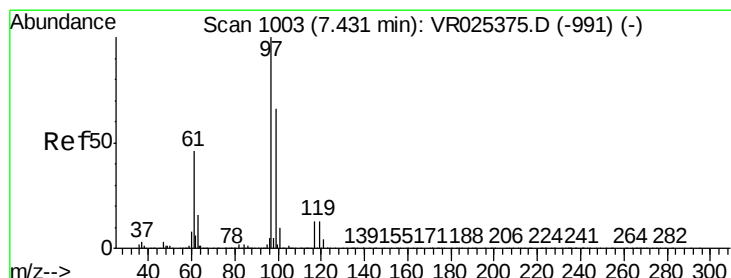
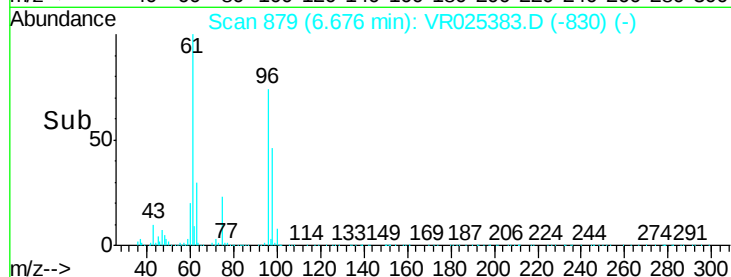
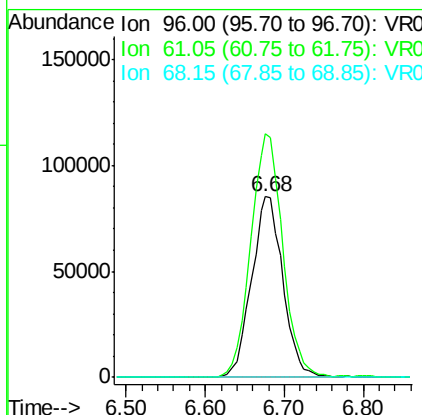
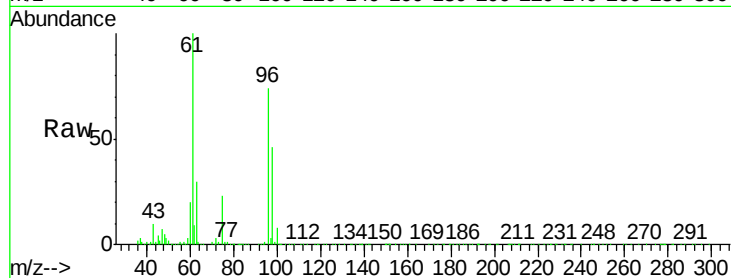


#22

cis-1,2-Dichloroethene
 Concen: 5.857 ug/L
 RT: 6.68 min Scan# 879
 Delta R.T. 0.00 min
 Lab File: VR025383.D
 Acq: 20 Jun 2018 16:29

Instrument :
 MSVOA_R
 ClientSampleId :
 C0KH6

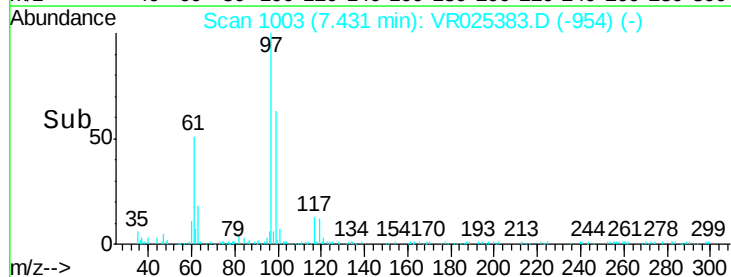
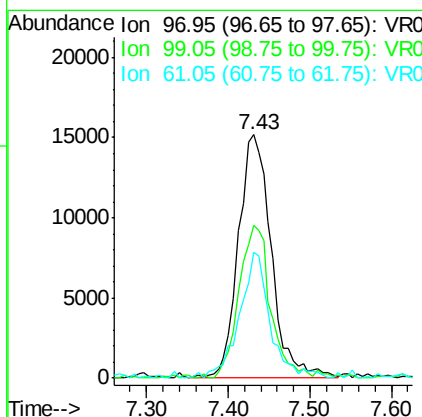
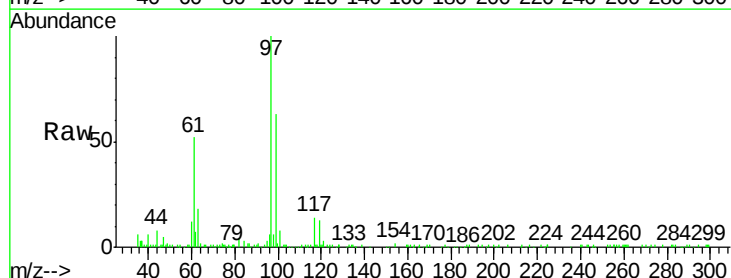
Tgt Ion: 96 Resp: 234504
 Ion Ratio Lower Upper
 96 100
 61 134.7 91.0 169.0
 68 0.0 0.0 0.0

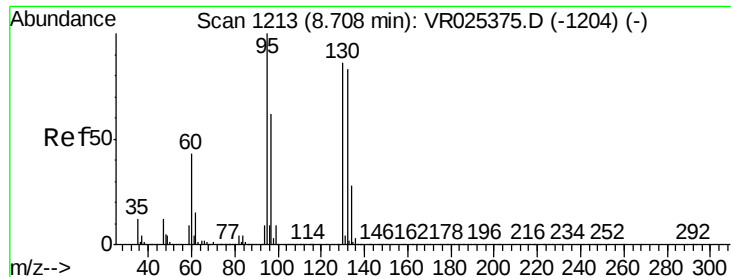


#29

1,1,1-Trichloroethane
 Concen: 0.733 ug/L
 RT: 7.43 min Scan# 1003
 Delta R.T. 0.00 min
 Lab File: VR025383.D
 Acq: 20 Jun 2018 16:29

Tgt Ion: 97 Resp: 42615
 Ion Ratio Lower Upper
 97 100
 99 59.8 52.1 78.1
 61 48.0 37.0 55.6





#34

Trichloroethene

Concen: 62.736 ug/L

RT: 8.71 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VR025383.D

Acq: 20 Jun 2018 16:29

Instrument :

MSVOA_R

ClientSampleId :

C0KH6

Tgt Ion: 95 Resp: 2914981

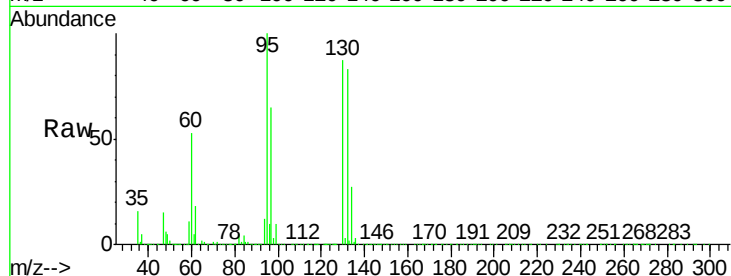
Ion Ratio Lower Upper

95 100

97 65.0 45.6 84.6

132 83.1 60.9 113.1

130 87.3 62.0 115.2

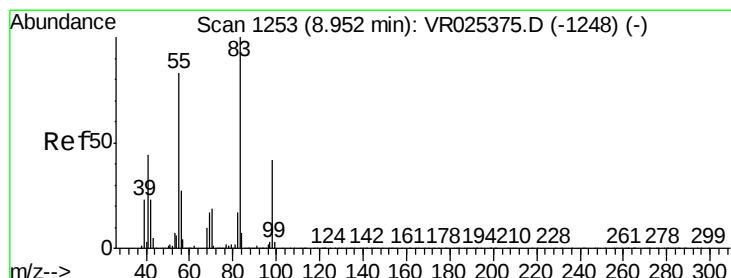
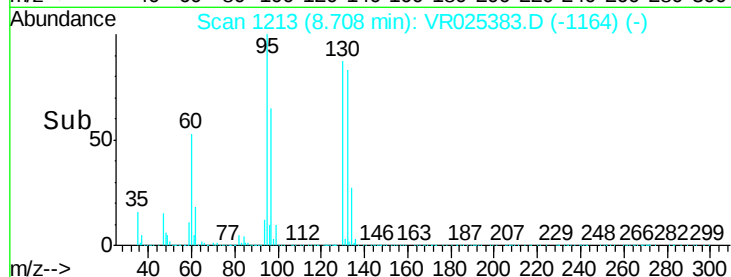
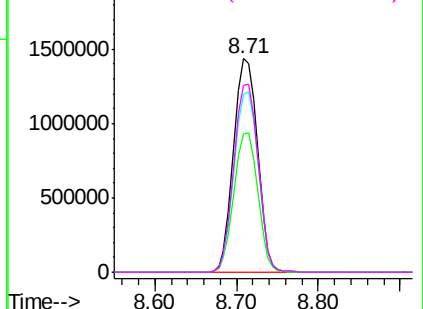


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 0.788 ug/L

RT: 8.90 min Scan# 1244

Delta R.T. -0.05 min

Lab File: VR025383.D

Acq: 20 Jun 2018 16:29

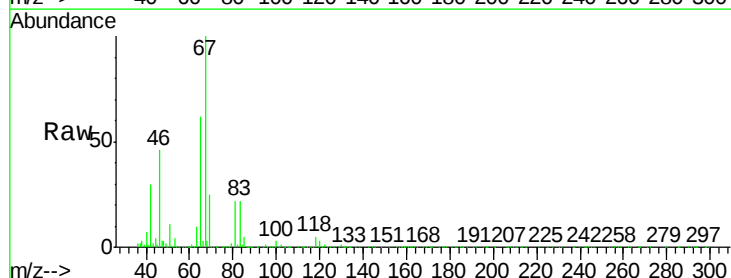
Tgt Ion: 83 Resp: 57810

Ion Ratio Lower Upper

83 100

55 1.0 66.1 99.1#

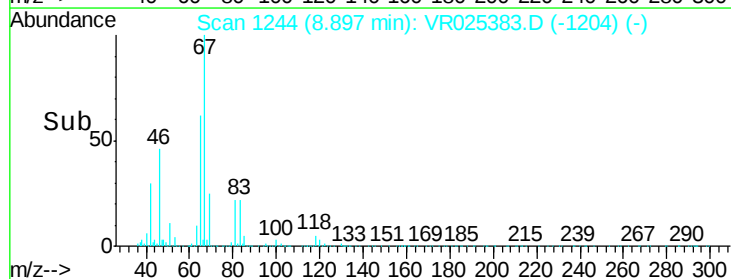
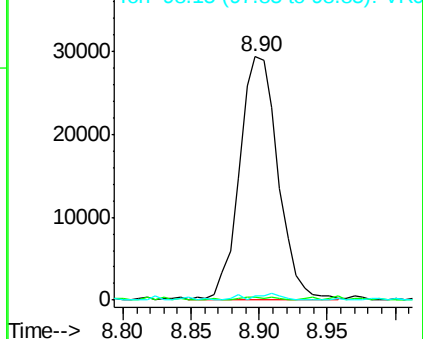
98 0.0 36.2 54.4#

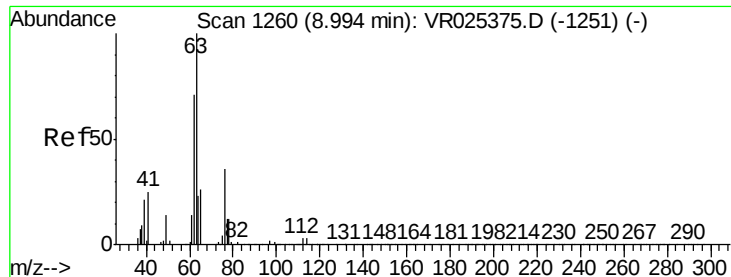


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 0.593 ug/L

RT: 8.90 min Scan# 1244

Delta R.T. -0.10 min

Lab File: VR025383.D

Acq: 20 Jun 2018 16:29

Instrument :

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ClientSampleId :

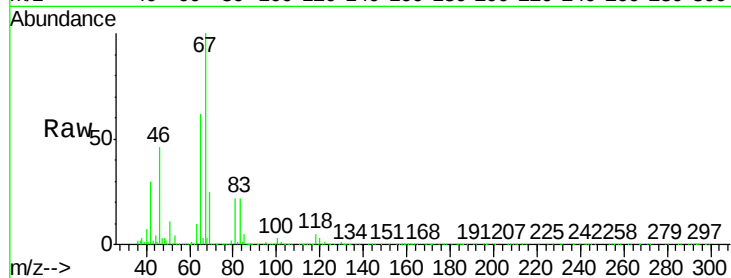
C0KH6

Tgt Ion: 63 Resp: 25324

Ion Ratio Lower Upper

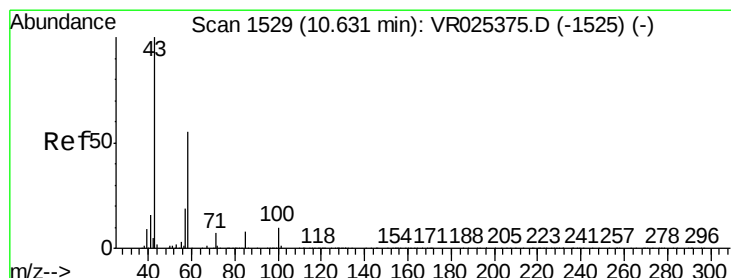
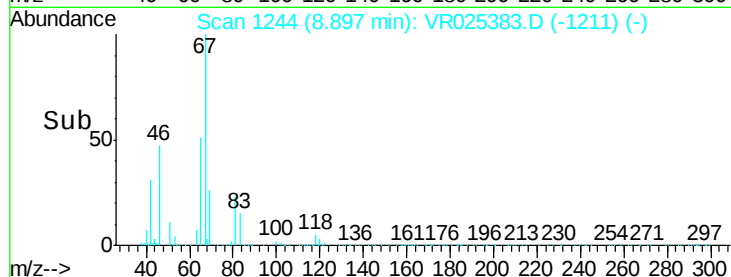
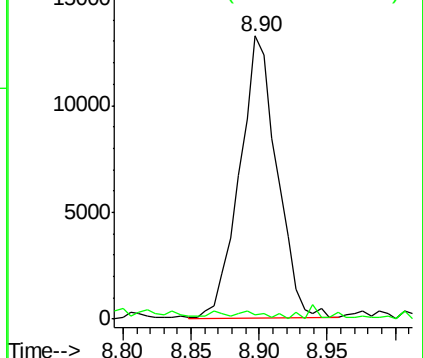
63 100

112 1.8 2.9 4.3#



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 112.10 (111.80 to 112.80): V



#48

2-Hexanone

Concen: 3.855 ug/L

RT: 10.59 min Scan# 1522

Delta R.T. -0.04 min

Lab File: VR025383.D

Acq: 20 Jun 2018 16:29

Tgt Ion: 43 Resp: 33951

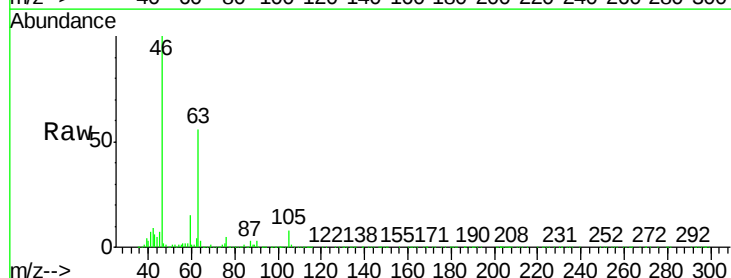
Ion Ratio Lower Upper

43 100

58 31.4 43.1 64.7#

57 30.8 15.3 22.9#

100 4.2 7.9 11.9#



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

