

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR080618\
 Data File : VR025563.D
 Acq On : 6 Aug 2018 19:48
 Operator : SY/MD
 Sample : J4358-02
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 ESWW4

Quant Time: Aug 06 23:42:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR073018WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Aug 06 23:40:46 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	536303	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	472219	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	156042	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	134316	4.04	ug/L	0.01
Spiked Amount	5.000	Range	40 - 130	Recovery	=	80.80%
7) Chloroethane-d5	2.64	69	89325	3.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	68.20%
11) 1,1-Dichloroethene-d2	3.64	63	235714	3.07	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.40%
20) 2-Butanone-d5	6.60	46	153497	55.88	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.76%
24) Chloroform-d	7.21	84	270143	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
26) 1,2-Dichloroethane-d4	7.90	65	97367	5.20	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.00%
32) Benzene-d6	7.86	84	592682	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.60%
36) 1,2-Dichloropropane-d6	8.90	67	167520	5.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.80%
41) Toluene-d8	9.97	98	531727	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.40%
43) trans-1,3-Dichloropropene-	10.24	79	36696	4.31	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.20%
46) 2-Hexanone-d5	10.59	63	169156	62.25	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	124.50%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	81384	5.41	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.20%
64) 1,2-Dichlorobenzene-d4	13.51	152	151205	6.34	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	126.80%#

Target Compounds

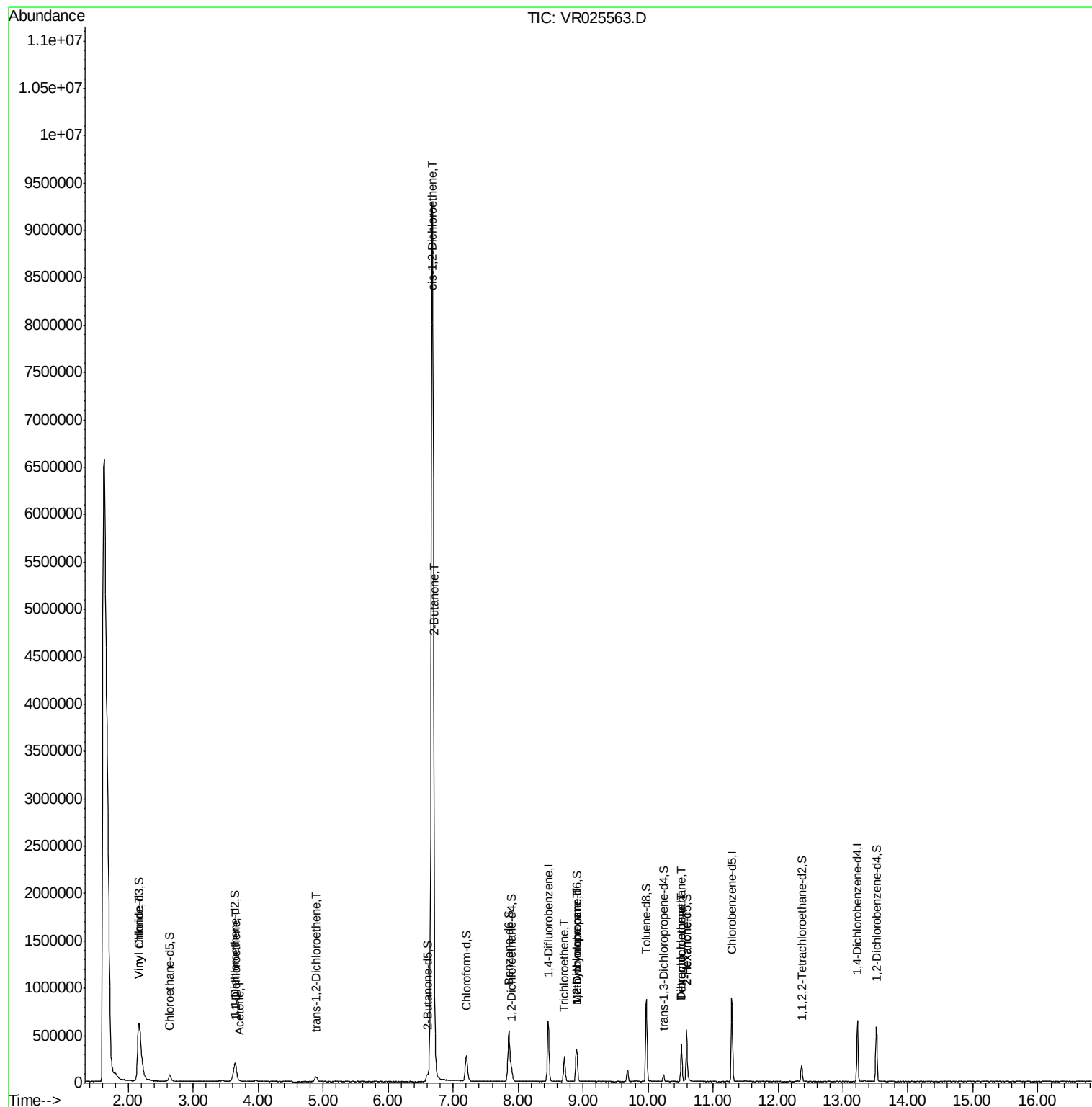
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl chloride	2.16	62	1374926	33.930	ug/L	96
12) 1,1-Dichloroethene	3.66	96	13609	0.355	ug/L #	1
13) Acetone	3.71	43	6529	2.828	ug/L	84
18) trans-1,2-Dichloroethene	4.88	96	34188	0.932	ug/L	88
21) 2-Butanone	6.71	43	1880	0.586	ug/L #	1
22) cis-1,2-Dichloroethene	6.68	96	5894136	175.899	ug/L #	95
34) Trichloroethene	8.71	95	84320	2.324	ug/L	96
35) Methylcyclohexane	8.90	83	39427	0.723	ug/L #	21
37) 1,2-Dichloropropane	8.90	63	16845	0.549	ug/L #	94
47) Tetrachloroethene	10.51	164	86032	2.771	ug/L	97
48) 2-Hexanone	10.59	43	21239	3.639	ug/L #	70
49) Dibromochloromethane	10.51	129	71216	3.947	ug/L #	11

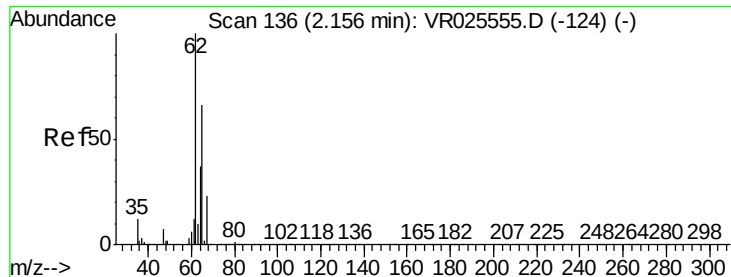
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 33.930 ug/L

RT: 2.16 min Scan# 136

Delta R.T. -0.00 min

Lab File: VR025563.D

Acq: 6 Aug 2018 19:48

Instrument :

MSVOA_R

ClientSampleId :

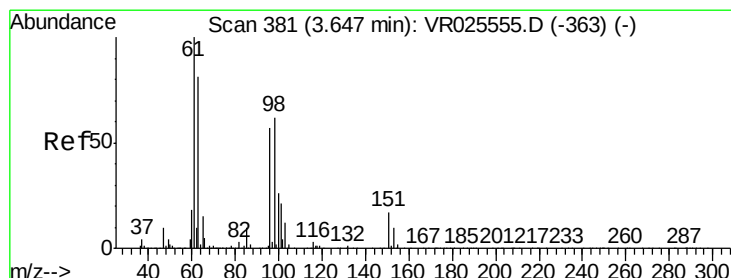
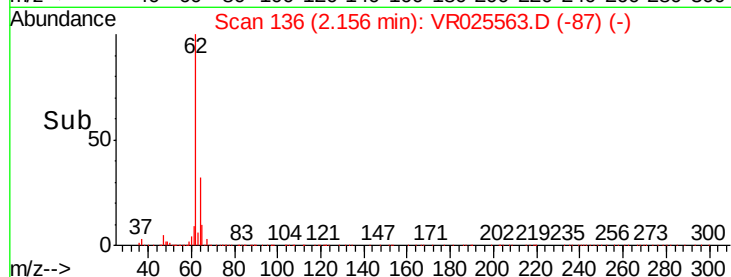
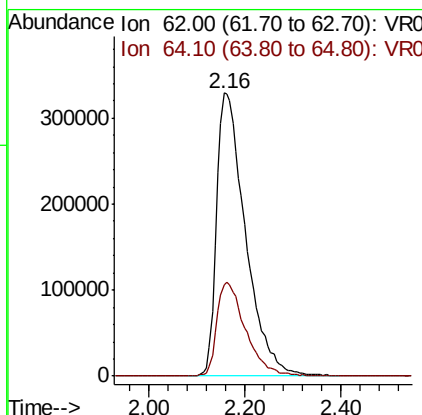
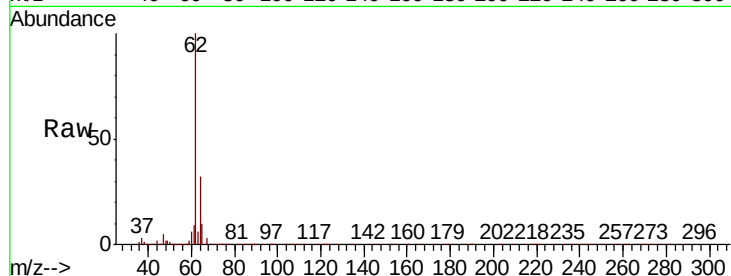
ESWW4

Tgt Ion: 62 Resp: 1374926

Ion Ratio Lower Upper

62 100

64 32.2 24.1 44.8



#12

1,1-Dichloroethene

Concen: 0.355 ug/L

RT: 3.66 min Scan# 383

Delta R.T. 0.01 min

Lab File: VR025563.D

Acq: 6 Aug 2018 19:48

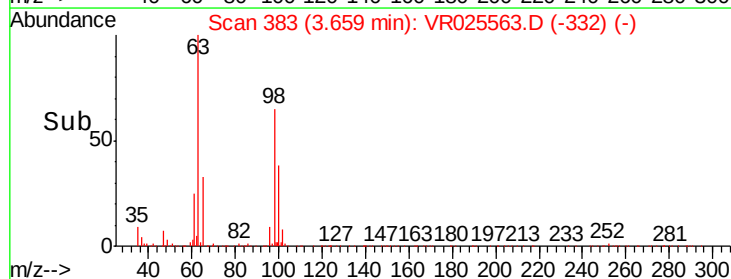
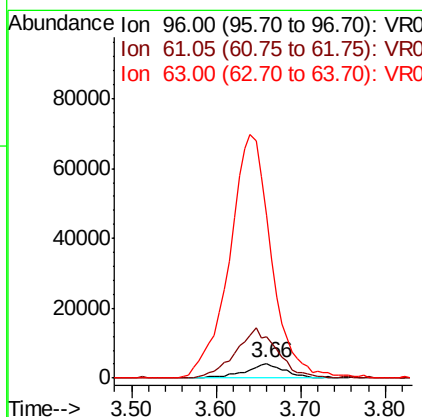
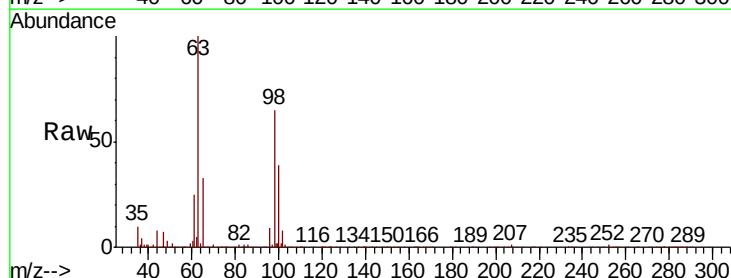
Tgt Ion: 96 Resp: 13609

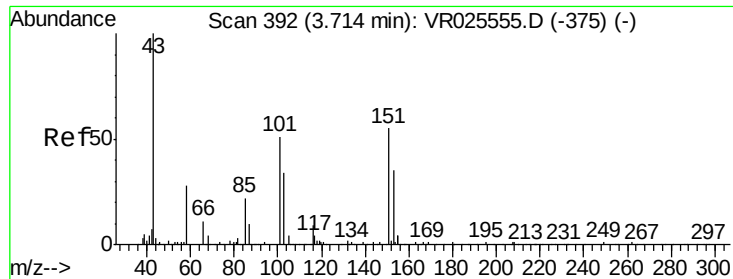
Ion Ratio Lower Upper

96 100

61 271.3 124.3 230.8#

63 1082.4 108.1 200.7#

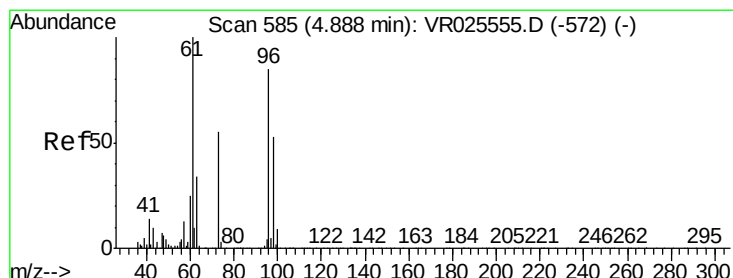
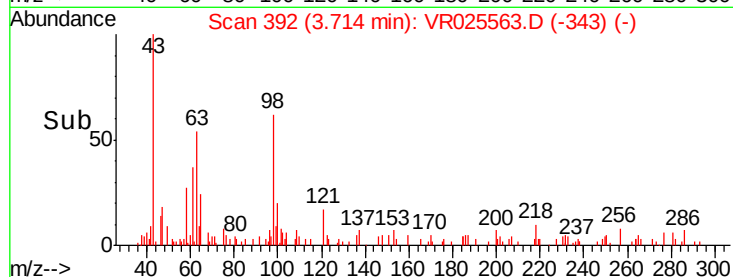
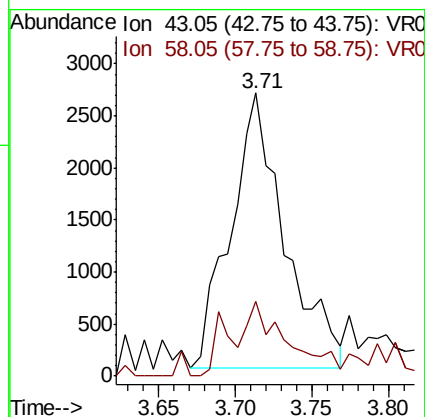
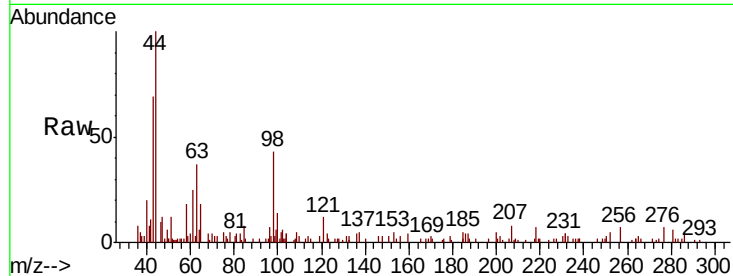




#13
Acetone
Concen: 2.828 ug/L
RT: 3.71 min Scan# 392
Delta R.T. -0.00 min
Lab File: VR025563.D
Acq: 6 Aug 2018 19:48

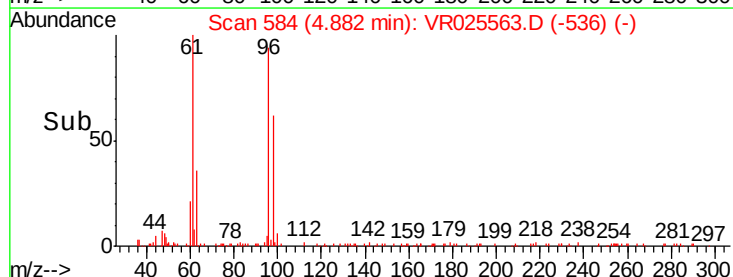
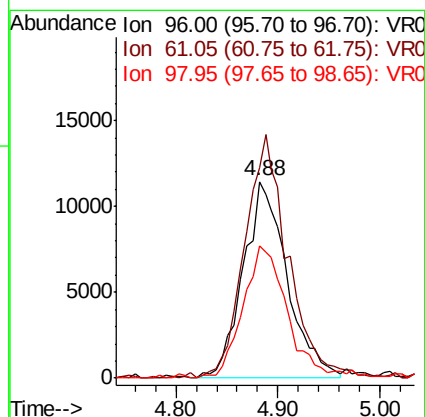
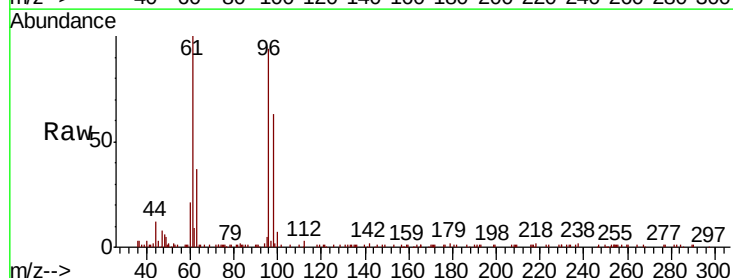
Instrument :
MSVOA_R
ClientSampled :
ESWW4

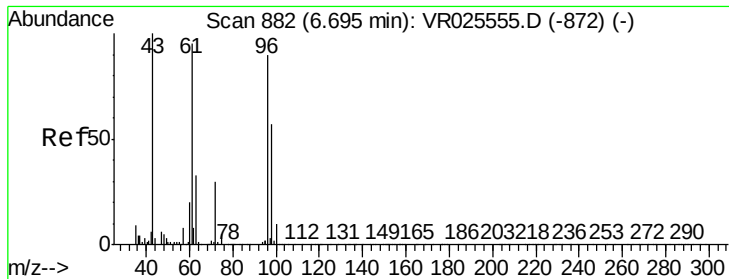
Tgt Ion: 43 Resp: 6529
Ion Ratio Lower Upper
43 100
58 18.7 0.0 53.4



#18
trans-1,2-Dichloroethene
Concen: 0.932 ug/L
RT: 4.88 min Scan# 584
Delta R.T. -0.01 min
Lab File: VR025563.D
Acq: 6 Aug 2018 19:48

Tgt Ion: 96 Resp: 34188
Ion Ratio Lower Upper
96 100
61 106.7 85.5 158.9
98 67.0 42.1 78.1





#21

2-Butanone

Concen: 0.586 ug/L

RT: 6.71 min Scan# 884

Delta R.T. 0.01 min

Lab File: VR025563.D

Acq: 6 Aug 2018 19:48

Instrument :

MSVOA_R

ClientSampleId :

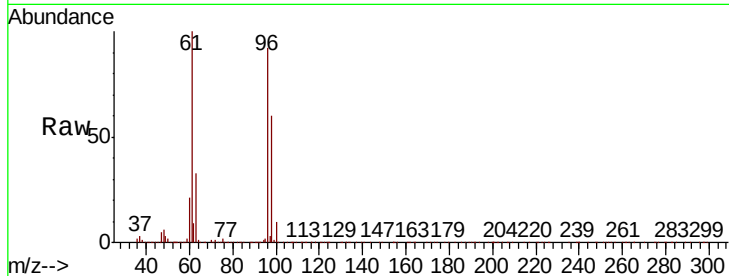
ESWW4

Tgt Ion: 43 Resp: 1880

Ion Ratio Lower Upper

43 100

72 2480.2 13.2 39.6#



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 72.10 (71.80 to 72.80): VR0

20000

15000

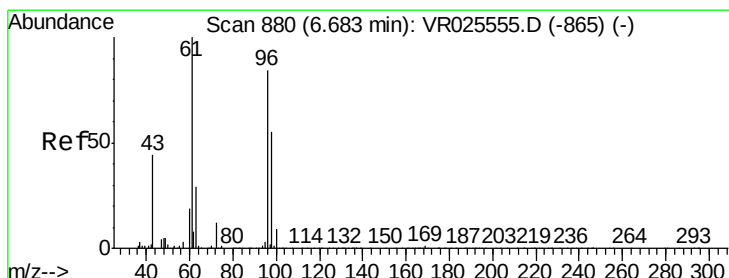
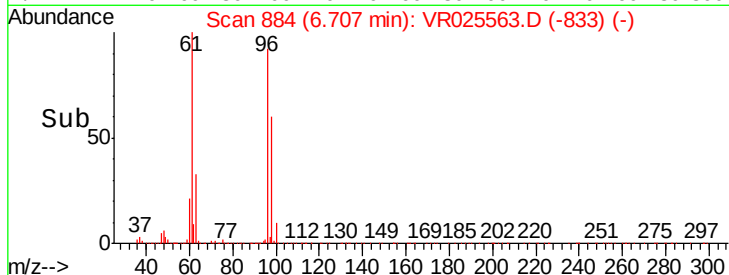
10000

5000

0

6.65 6.70 6.75

Time-->



#22

cis-1,2-Dichloroethene

Concen: 175.899 ug/L

RT: 6.68 min Scan# 879

Delta R.T. -0.01 min

Lab File: VR025563.D

Acq: 6 Aug 2018 19:48

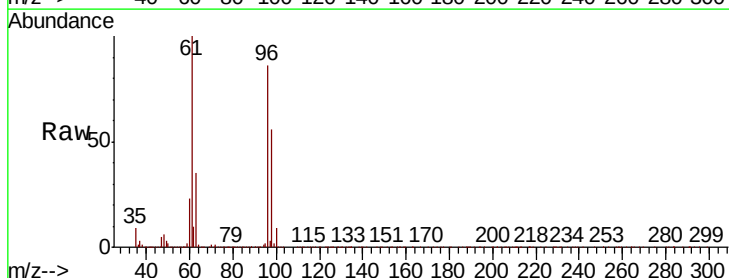
Tgt Ion: 96 Resp: 5894136

Ion Ratio Lower Upper

96 100

61 116.4 77.7 144.3

68 0.0 0.0 0.0#



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

3000000

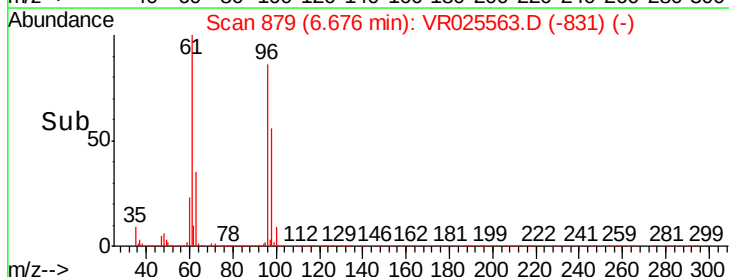
2000000

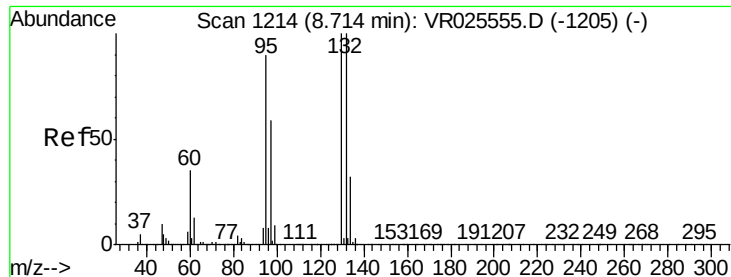
1000000

0

6.50 6.60 6.70 6.80 6.90

Time-->





#34

Trichloroethene

Concen: 2.324 ug/L

RT: 8.71 min Scan# 1213

Delta R.T. -0.01 min

Lab File: VR025563.D

Acq: 6 Aug 2018 19:48

Instrument :

MSVOA_R

ClientSampleId :

ESWW4

Tgt Ion: 95 Resp: 84320

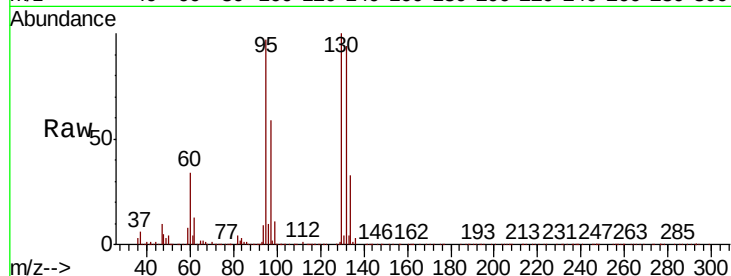
Ion Ratio Lower Upper

95 100

97 61.0 46.7 86.7

132 96.7 71.7 133.1

130 102.8 71.3 132.3

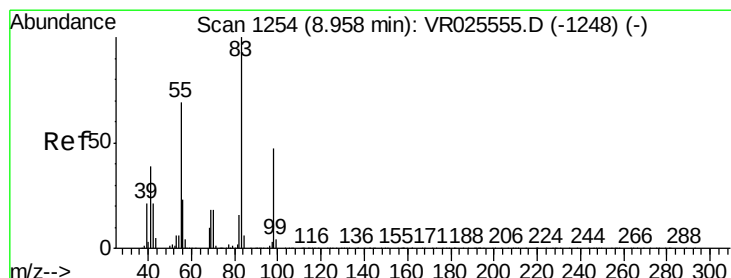
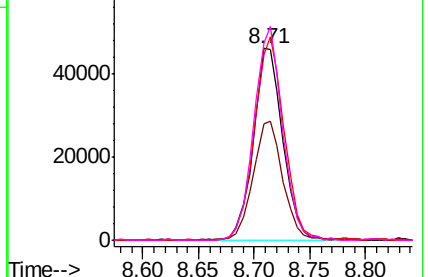
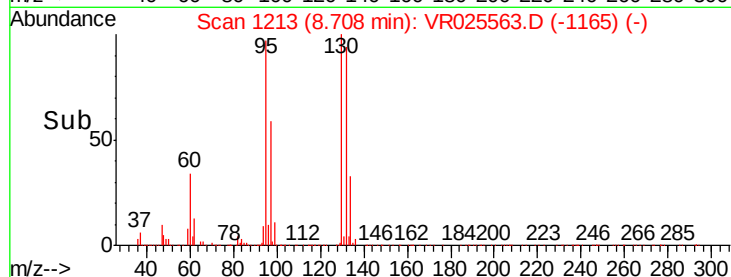


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 0.723 ug/L

RT: 8.90 min Scan# 1245

Delta R.T. -0.05 min

Lab File: VR025563.D

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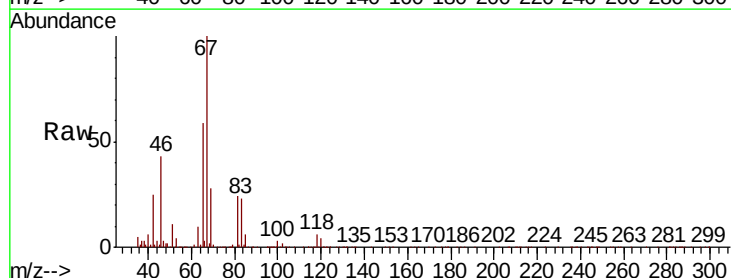
Tgt Ion: 83 Resp: 39427

Ion Ratio Lower Upper

83 100

55 1.4 58.3 87.5#

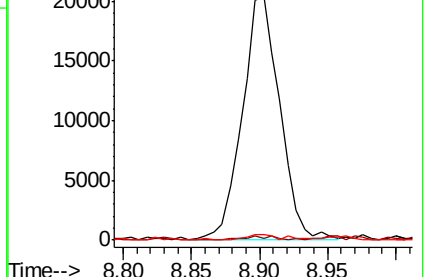
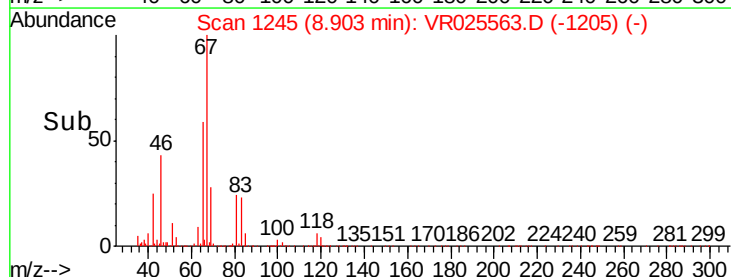
98 1.7 37.8 56.6#

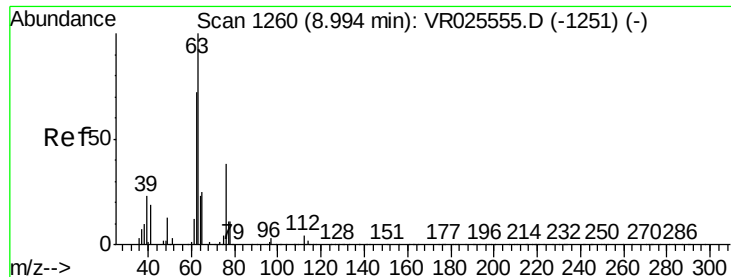


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

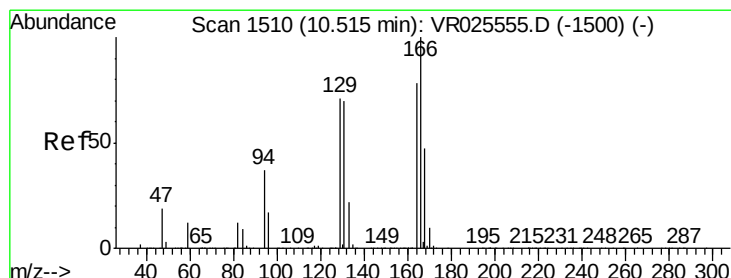
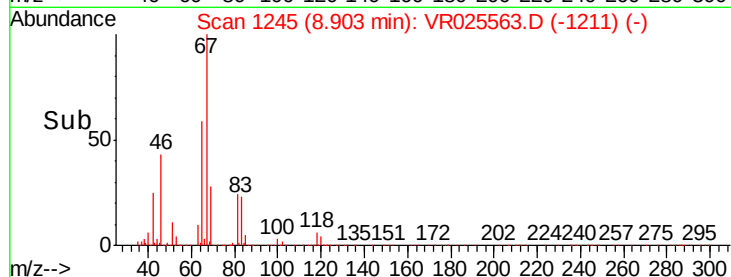
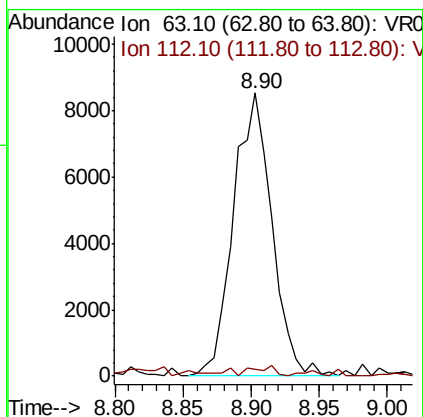
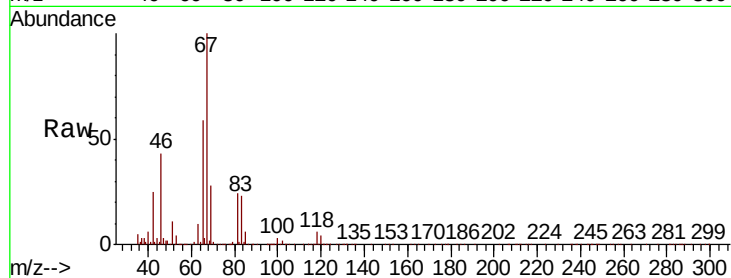




#37
 1,2-Dichloropropane
 Concen: 0.549 ug/L
 RT: 8.90 min Scan# 1245
 Delta R.T. -0.09 min
 Lab File: VR025563.D
 Acq: 6 Aug 2018 19:48

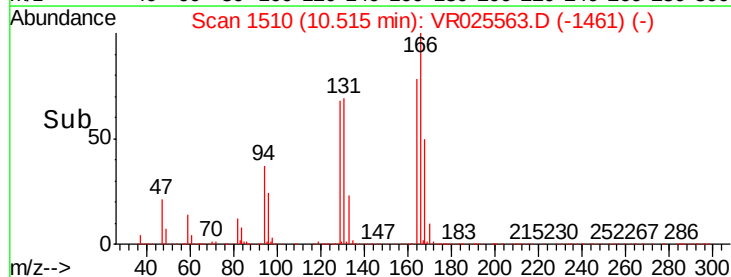
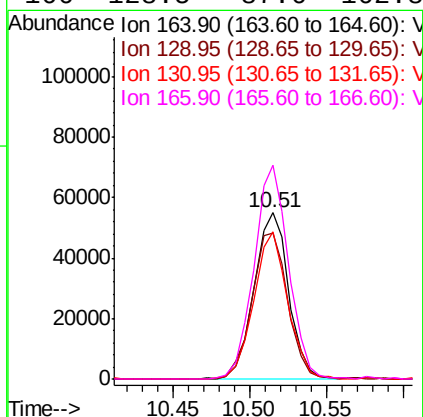
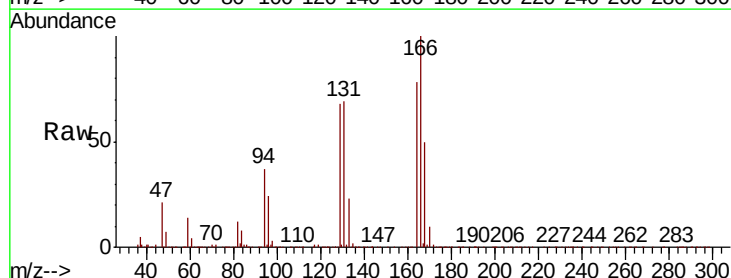
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 ESWW4

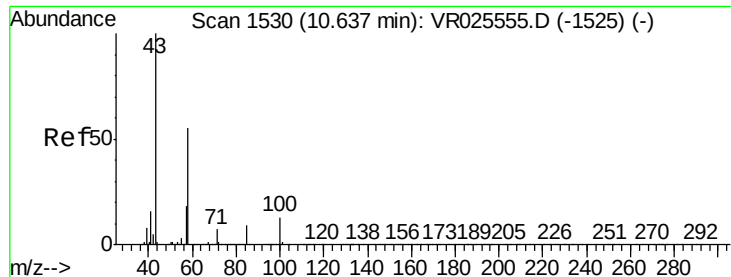
Tgt Ion: 63 Resp: 16845
 Ion Ratio Lower Upper
 63 100
 112 2.2 3.3 4.9#



#47
 Tetrachloroethene
 Concen: 2.771 ug/L
 RT: 10.51 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VR025563.D
 Acq: 6 Aug 2018 19:48

Tgt Ion: 164 Resp: 86032
 Ion Ratio Lower Upper
 164 100
 129 87.6 63.0 117.0
 131 88.5 60.6 112.6
 166 128.5 87.6 162.8

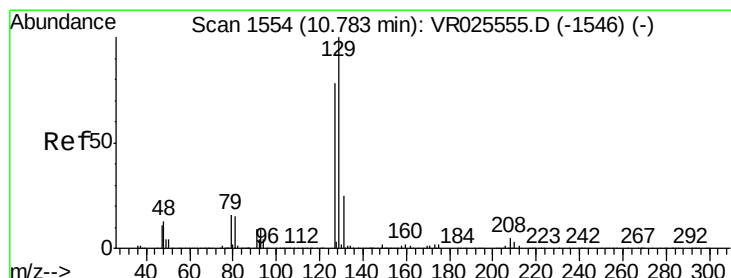
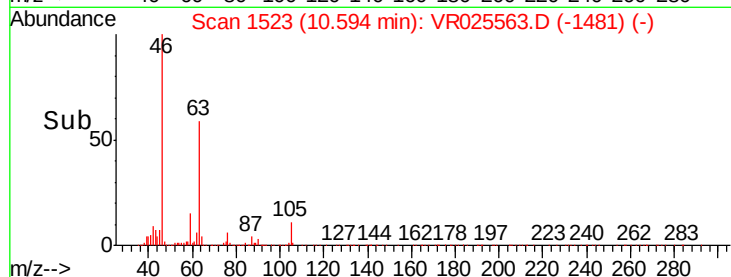
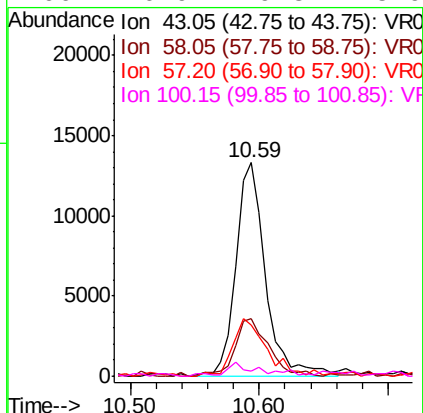
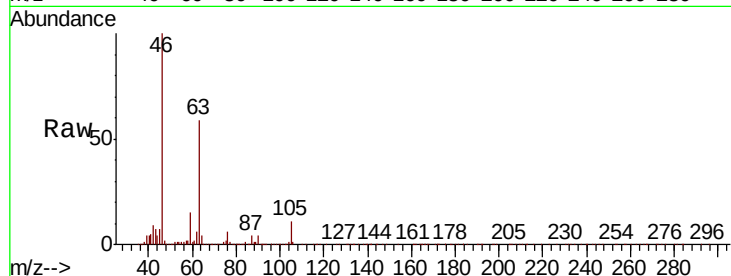




#48
2-Hexanone
Concen: 3.639 ug/L
RT: 10.59 min Scan# 1523
Delta R.T. -0.04 min
Lab File: VR025563.D
Acq: 6 Aug 2018 19:48

Instrument :
MSVOA_R
ClientSampleId :
ESWW4

Tgt Ion:	43	Resp:	21239
Ion	Ratio	Lower	Upper
43	100		
58	30.4	45.0	67.6#
57	30.4	15.8	23.6#
100	6.9	9.3	13.9#



#49
Dibromochloromethane
Concen: 3.947 ug/L
RT: 10.51 min Scan# 1510
Delta R.T. -0.27 min
Lab File: VR025563.D
Acq: 6 Aug 2018 19:48

Tgt Ion:	129	Resp:	71216
Ion	Ratio	Lower	Upper
129	100		
127	0.3	54.3	100.9#

