

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR080618\
 Data File : VR025565.D
 Acq On : 6 Aug 2018 20:54
 Operator : SY/MD
 Sample : J4358-04MSD
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 ESWW4MSD

Quant Time: Aug 07 00:08:58 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	589218	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	498769	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	167439	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	133310	3.65	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.00%
7) Chloroethane-d5	2.64	69	94438	3.28	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	65.60%
11) 1,1-Dichloroethene-d2	3.65	63	313941	3.72	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.40%
20) 2-Butanone-d5	6.60	46	152807	50.64	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	101.28%
24) Chloroform-d	7.20	84	289243	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
26) 1,2-Dichloroethane-d4	7.90	65	106232	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.20%
32) Benzene-d6	7.86	84	625252	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
36) 1,2-Dichloropropane-d6	8.90	67	177009	5.04	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.80%
41) Toluene-d8	9.97	98	566719	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.00%
43) trans-1,3-Dichloropropene-	10.24	79	38615	4.30	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.00%
46) 2-Hexanone-d5	10.59	63	184624	64.32	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	128.64%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	86473	5.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.80%
64) 1,2-Dichlorobenzene-d4	13.51	152	149309	5.84	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.80%

Target Compounds

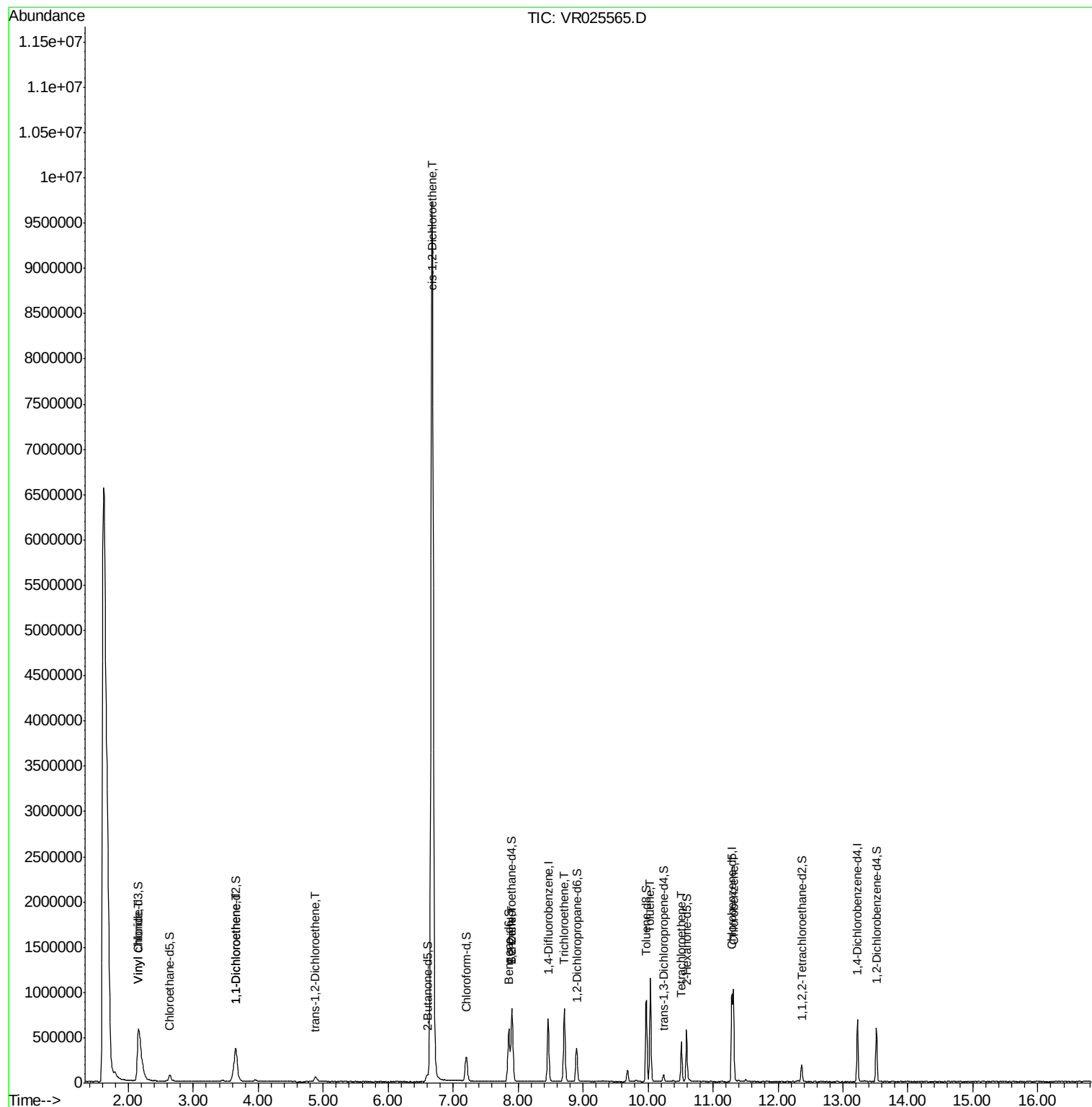
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	2.16	62	1411499	31.70	ug/L	97
12) 1,1-Dichloroethene	3.66	96	159720	3.79	ug/L	93
18) trans-1,2-Dichloroethene	4.88	96	36286	0.90	ug/L	96
22) cis-1,2-Dichloroethene	6.68	96	6222315	169.02	ug/L	98
33) Benzene	7.91	78	706831	4.59	ug/L	100
34) Trichloroethene	8.71	95	269703	7.04	ug/L	94
42) Toluene	10.03	91	791384	4.82	ug/L	97
47) Tetrachloroethene	10.52	164	96818	2.95	ug/L	96
51) Chlorobenzene	11.31	112	494335	4.98	ug/L	99

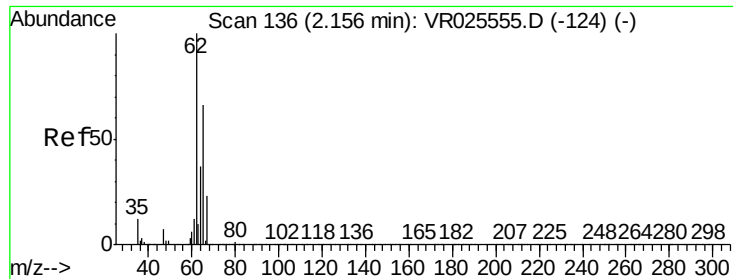
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Aug 06 23:40:46 2018
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 31.70 ug/L

RT: 2.16 min Scan# 136

Delta R.T. -0.00 min

Lab File: VR025565.D

Acq: 6 Aug 2018 20:54

Instrument :

MSVOA_R

ClientSampleId :

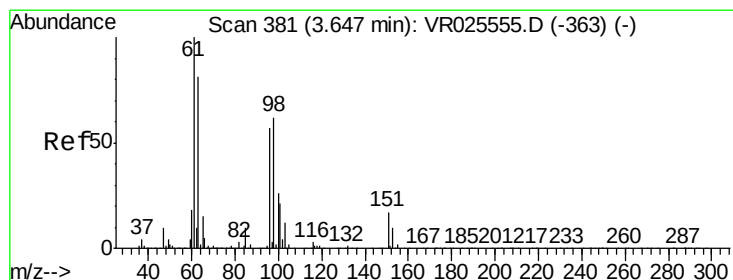
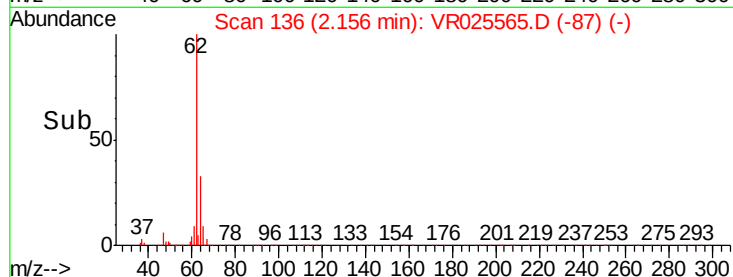
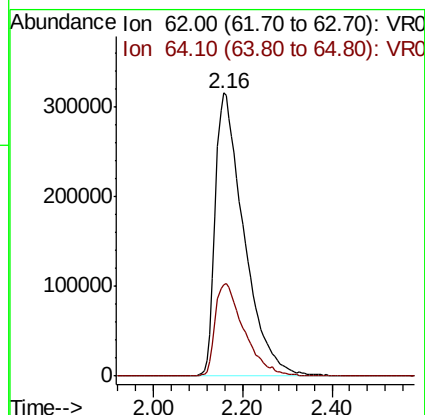
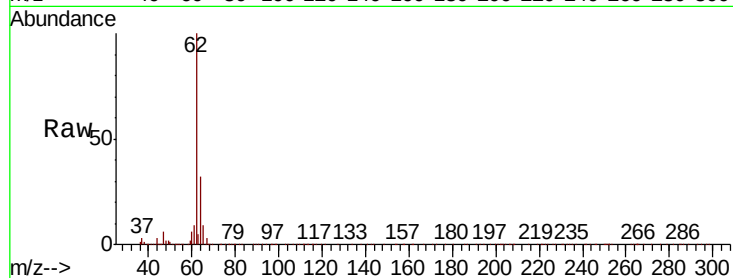
ESWW4MSD

Tot Ion: 62 Resp: 1411499

Ion Ratio Lower Upper

62 100

64 32.5 24.1 44.8



#12

1,1-Dichloroethene

Concen: 3.79 ug/L

RT: 3.66 min Scan# 383

Delta R.T. 0.01 min

Lab File: VR025565.D

Acq: 6 Aug 2018 20:54

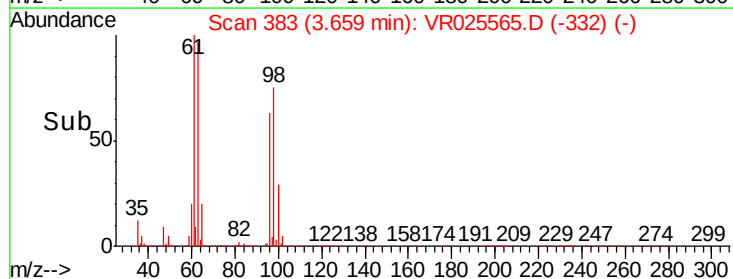
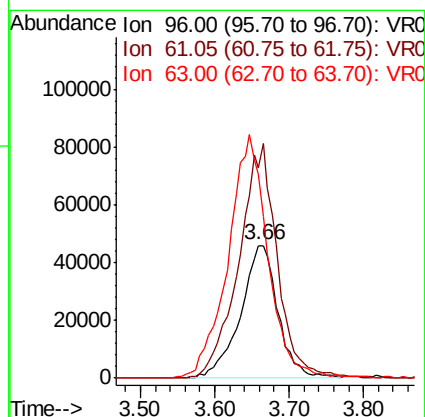
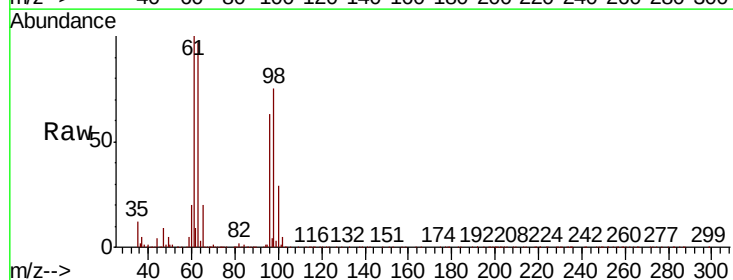
Tgt Ion: 96 Resp: 159720

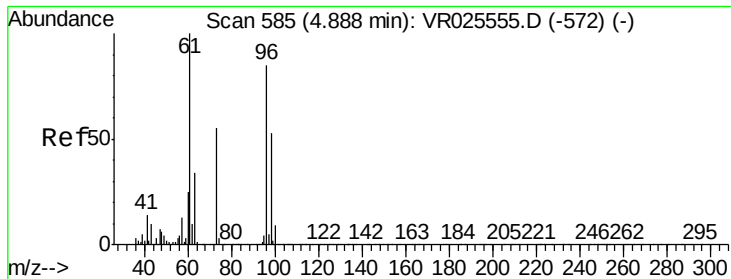
Ion Ratio Lower Upper

96 100

61 159.1 124.3 230.8

63 153.6 108.1 200.7





#18

trans-1,2-Dichloroethene

Concen: 0.90 ug/L

RT: 4.88 min Scan# 583

Delta R.T. -0.01 min

Lab File: VR025565.D

Acq: 6 Aug 2018 20:54

Instrument :

MSVOA_R

ClientSampleId :

ESWW4MSD

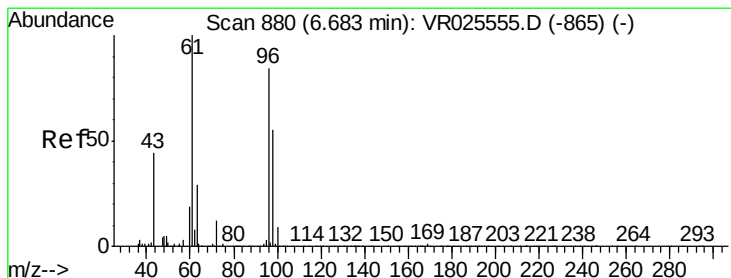
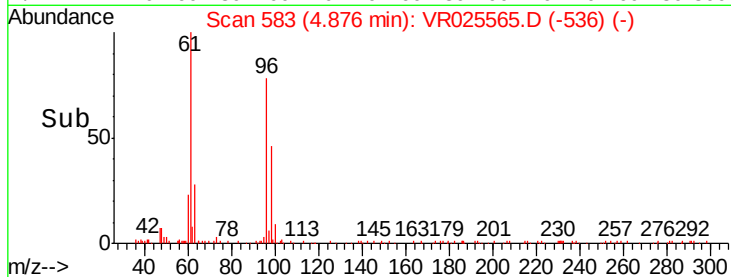
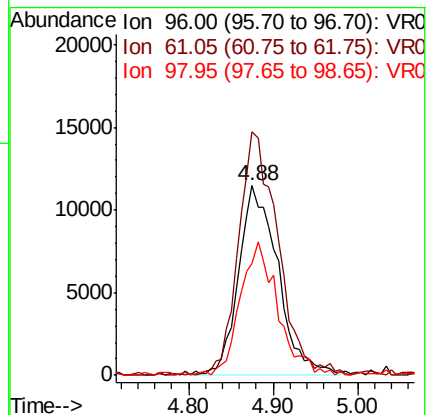
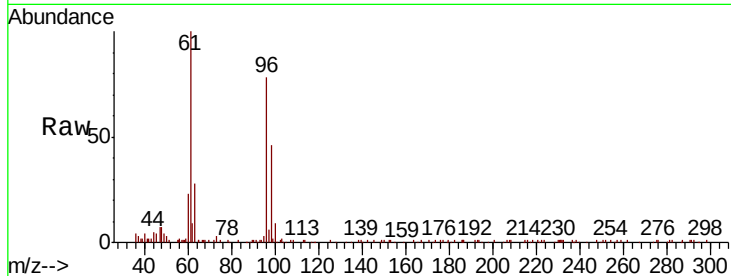
Tot Ion: 96 Resp: 36286

Ion Ratio Lower Upper

96 100

61 128.6 85.5 158.9

98 59.0 42.1 78.1



#22

cis-1,2-Dichloroethene

Concen: 169.02 ug/L

RT: 6.68 min Scan# 879

Delta R.T. -0.01 min

Lab File: VR025565.D

Acq: 6 Aug 2018 20:54

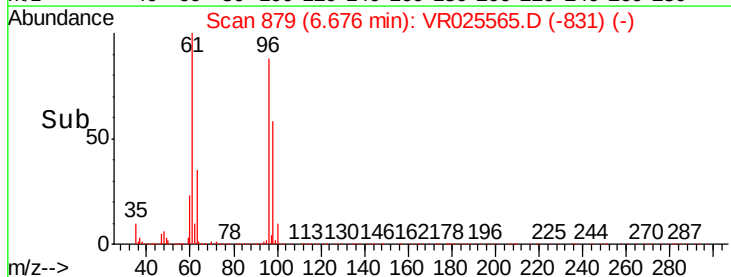
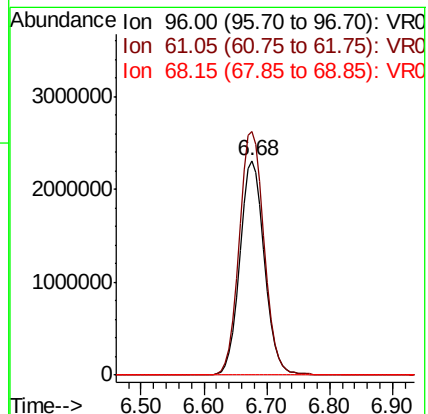
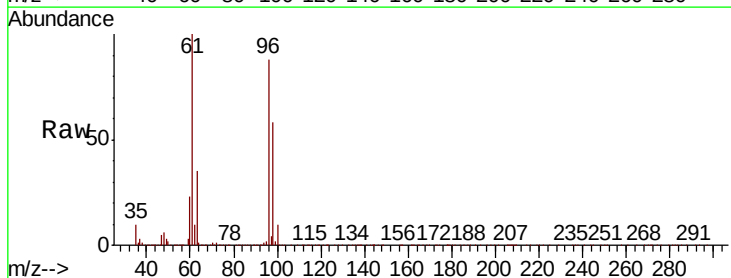
Tgt Ion: 96 Resp: 6222315

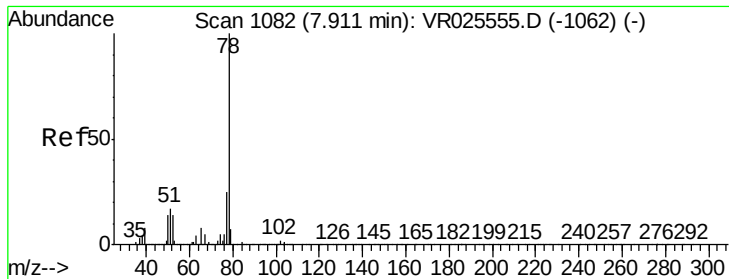
Ion Ratio Lower Upper

96 100

61 113.5 77.7 144.3

68 0.0 0.0 0.0





#33

Benzene

Concen: 4.59 ug/L

RT: 7.91 min Scan# 1081

Delta R.T. -0.01 min

Lab File: VR025565.D

Acq: 6 Aug 2018 20:54

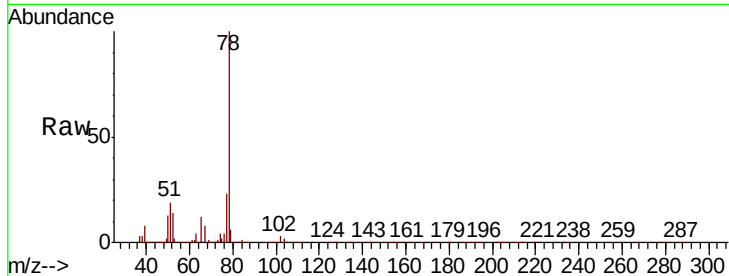
Instrument :

MSVOA_R

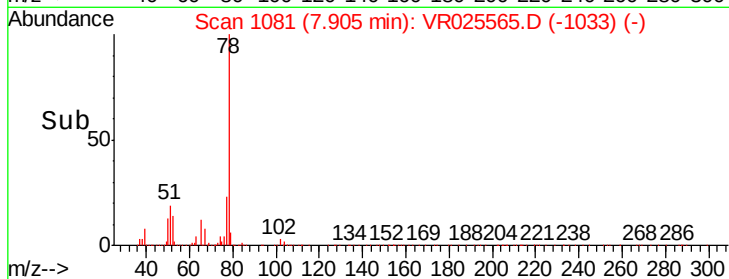
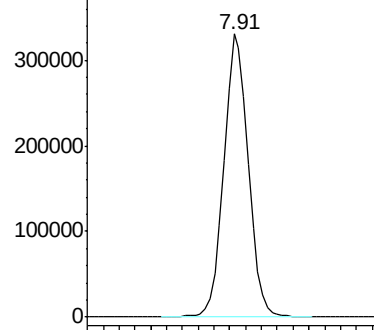
ClientSampleId :

ESWW4MSD

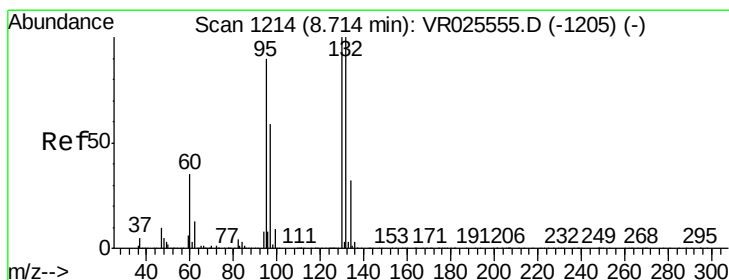
Tgt Ion: 78 Resp: 706831



Abundance Ion 78.10 (77.80 to 78.80): VR0



Time-->



#34

Trichloroethene

Concen: 7.04 ug/L

RT: 8.71 min Scan# 1213

Delta R.T. -0.01 min

Lab File: VR025565.D

Acq: 6 Aug 2018 20:54

Tgt Ion: 95 Resp: 269703

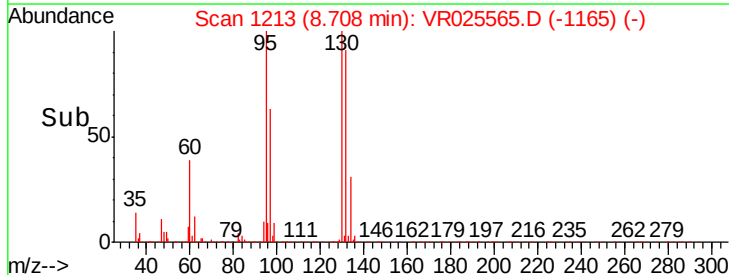
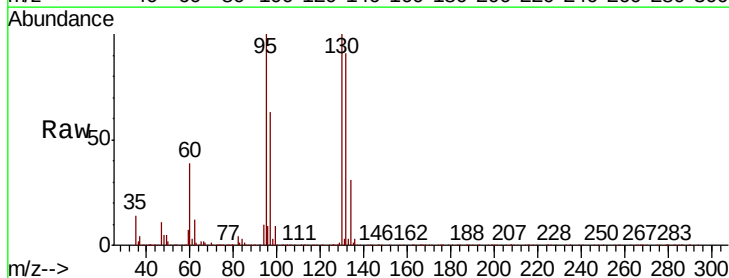
Ion	Ratio	Lower	Upper
95	100		
97	62.7	46.7	86.7
132	91.3	71.7	133.1
130	100.0	71.3	132.3

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

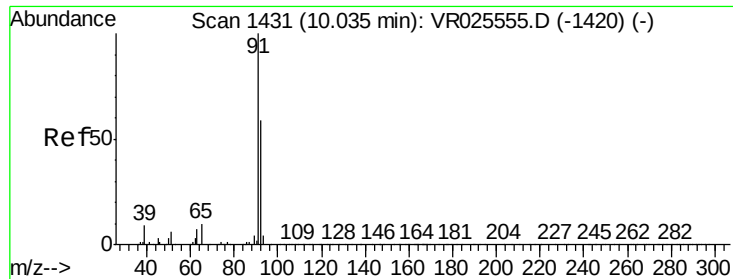


Abundance Ion 95.00 (94.70 to 95.70): VR0

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



#42

Toluene

Concen: 4.82 ug/L

RT: 10.03 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VR025565.D

Acq: 6 Aug 2018 20:54

Instrument :

MSVOA_R

ClientSampled :

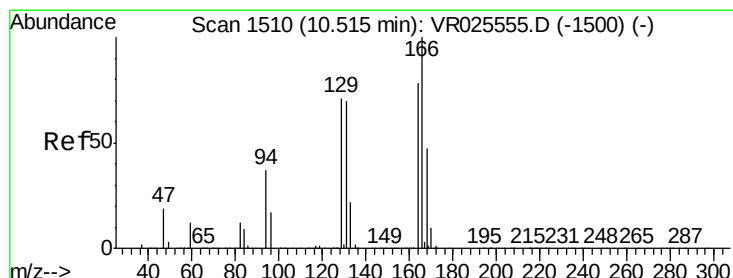
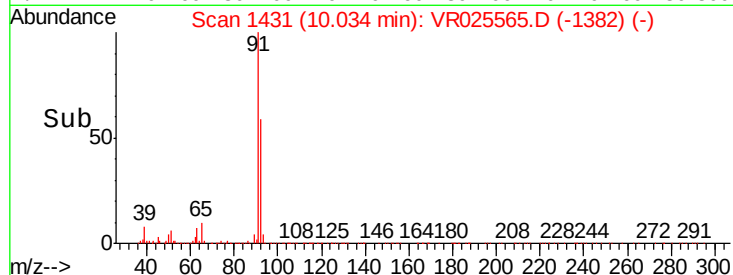
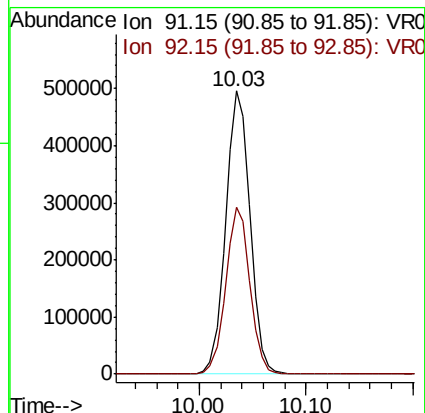
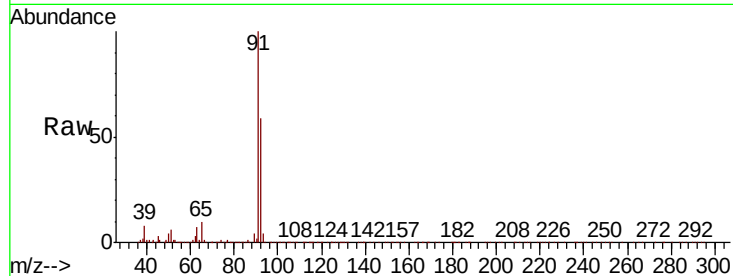
ESWW4MSD

Tot Ion: 91 Resp: 791384

Ion Ratio Lower Upper

91 100

92 59.1 39.6 73.6



#47

Tetrachloroethene

Concen: 2.95 ug/L

RT: 10.52 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VR025565.D

Acq: 6 Aug 2018 20:54

Tgt Ion: 164 Resp: 96818

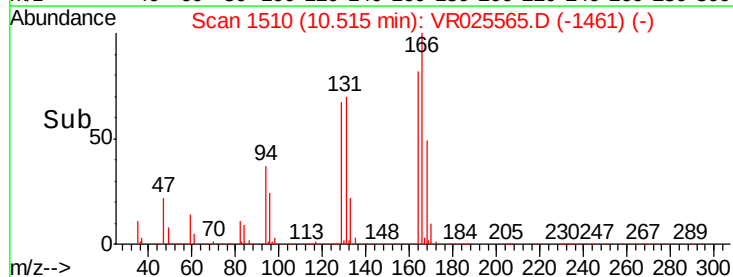
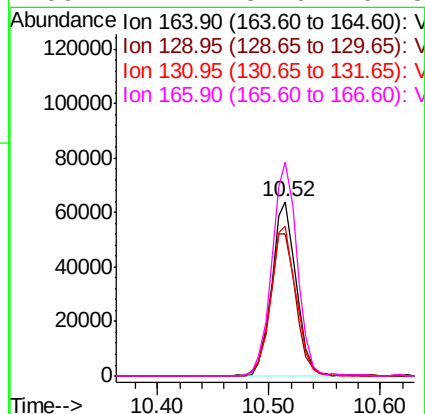
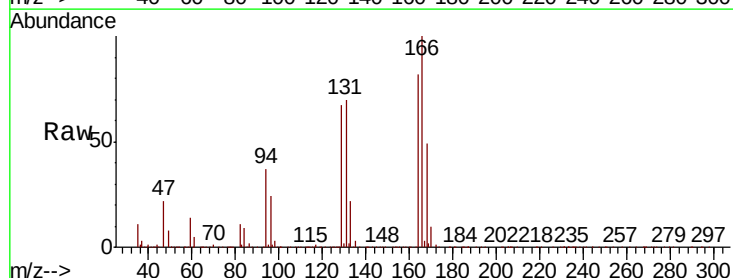
Ion Ratio Lower Upper

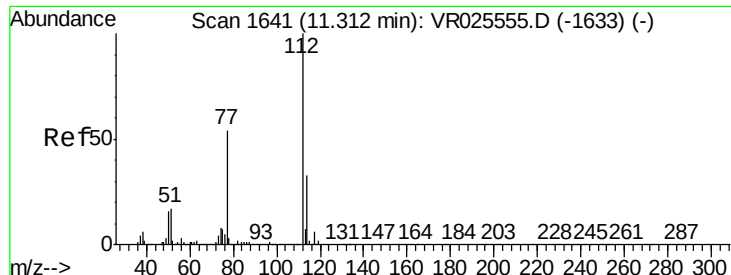
164 100

129 81.5 63.0 117.0

131 85.7 60.6 112.6

166 122.2 87.6 162.8





#51
 Chlorobenzene
 Concen: 4.98 ug/L
 RT: 11.31 min Scan# 1641
 Delta R.T. -0.00 min
 Lab File: VR025555.D
 Acq: 6 Aug 2018 20:54

Instrument :
 MSVOA_R
 ClientSampleId :
 ESWW4MSD

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.7	21.8	40.4
77	53.3	41.8	62.8

