

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR080618\
 Data File : VR025564.D
 Acq On : 6 Aug 2018 20:21
 Operator : SY/MD
 Sample : J4358-03MS
 Misc : 25mL/MSVOA_R/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 ESWW4MS

Quant Time: Aug 06 23:42:08 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	8.47	114	505625	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	436969	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.22	152	152752	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.15	65	133943	4.27	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.40%
7) Chloroethane-d5	2.63	69	111995	4.53	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.60%
11) 1,1-Dichloroethene-d2	3.63	63	320196	4.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.40%
20) 2-Butanone-d5	6.60	46	147337	56.90	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.80%
24) Chloroform-d	7.21	84	255636	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	7.90	65	94114	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	106.60%
32) Benzene-d6	7.86	84	561560	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
36) 1,2-Dichloropropane-d6	8.90	67	160637	5.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.40%
41) Toluene-d8	9.97	98	499903	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.60%
43) trans-1,3-Dichloropropene-	10.24	79	34583	4.39	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.80%
46) 2-Hexanone-d5	10.59	63	164842	65.55	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	131.10%#
57) 1,1,2,2-Tetrachloroethane-	12.36	84	75621	5.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.60%
64) 1,2-Dichlorobenzene-d4	13.51	152	148690	6.37	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	127.40%#

Target Compounds

					Qvalue
5) Vinyl chloride	2.16	62	1349050	35.312	ug/L 96
12) 1,1-Dichloroethene	3.65	96	161764	4.479	ug/L 90
13) Acetone	3.70	43	8322	3.823	ug/L 93
18) trans-1,2-Dichloroethene	4.89	96	34309	0.992	ug/L 85
21) 2-Butanone	6.69	43	3400	1.124	ug/L # 1
22) cis-1,2-Dichloroethene	6.68	96	5439793	172.189	ug/L # 95
33) Benzene	7.91	78	642916	4.763	ug/L 100
34) Trichloroethene	8.71	95	241251	7.186	ug/L 92
35) Methylcyclohexane	8.90	83	37088	0.735	ug/L # 21
37) 1,2-Dichloropropane	8.90	63	15195	0.535	ug/L 99
42) Toluene	10.03	91	735265	5.114	ug/L 99
47) Tetrachloroethene	10.52	164	90454	3.149	ug/L 97
48) 2-Hexanone	10.59	43	19036	3.525	ug/L # 70
49) Dibromochloromethane	10.52	129	70630	4.231	ug/L # 12
51) Chlorobenzene	11.31	112	452174	5.201	ug/L 97

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

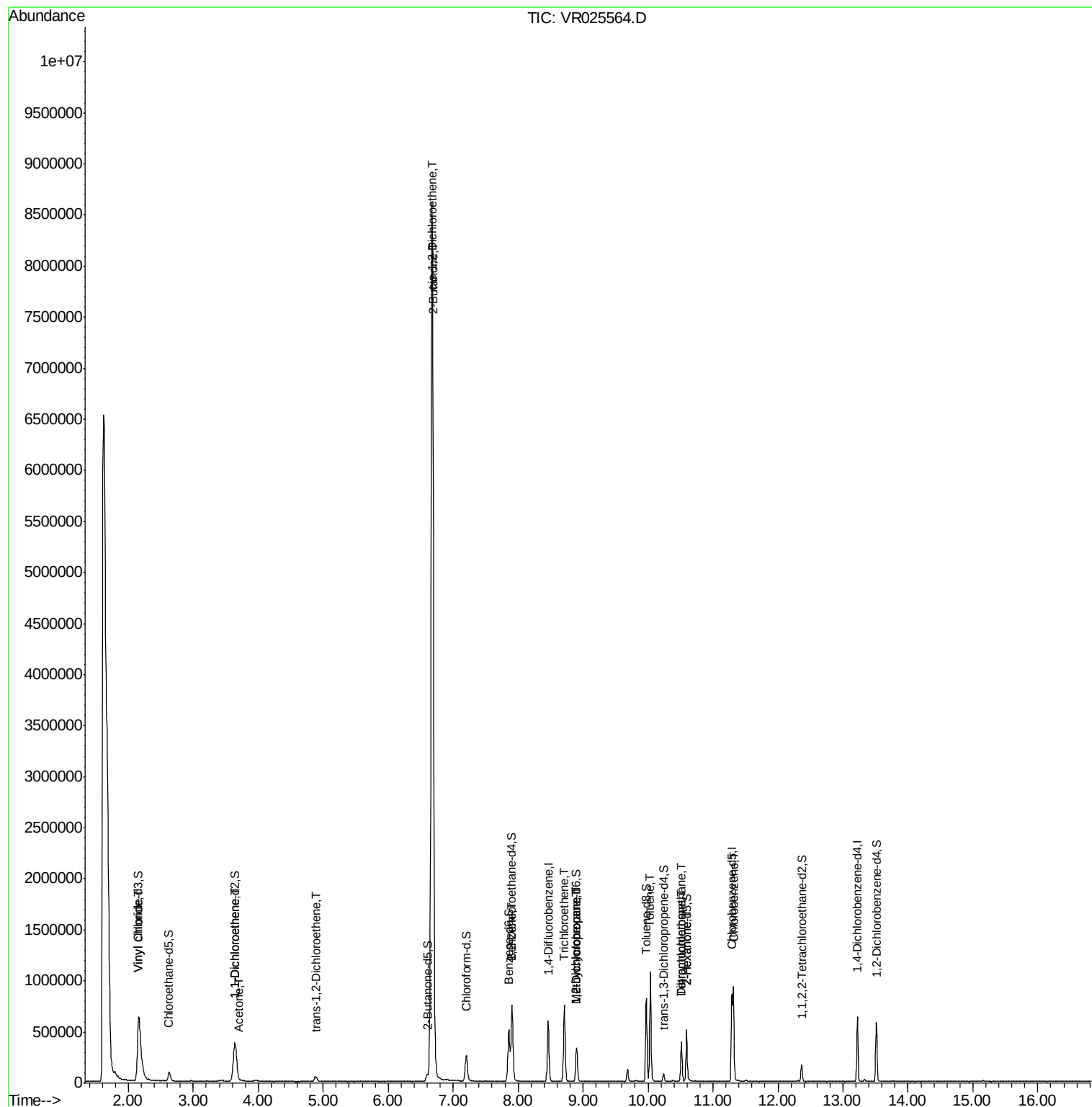
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

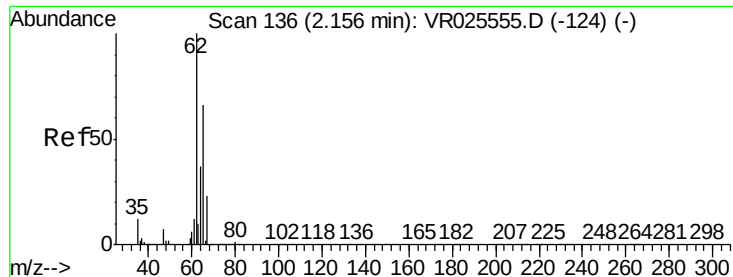
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#5

Vinyl chloride

Concen: 35.312 ug/L

RT: 2.16 min Scan# 136

Delta R.T. -0.00 min

Lab File: VR025564.D

Acq: 6 Aug 2018 20:21

Instrument :

MSVOA_R

ClientSampleId :

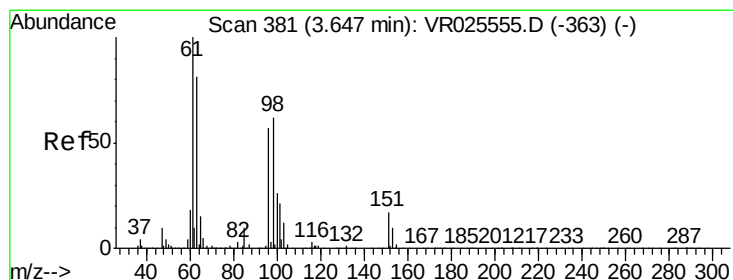
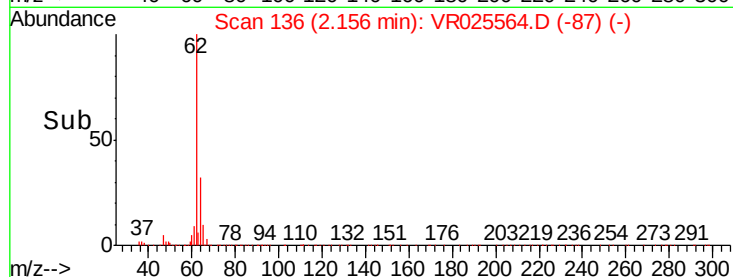
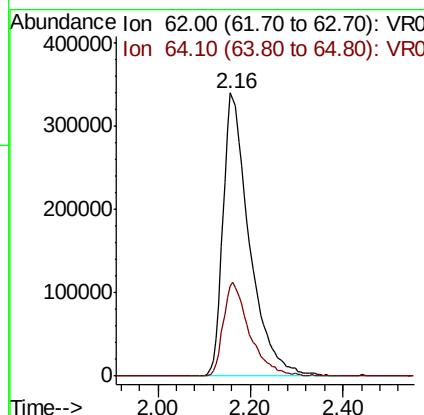
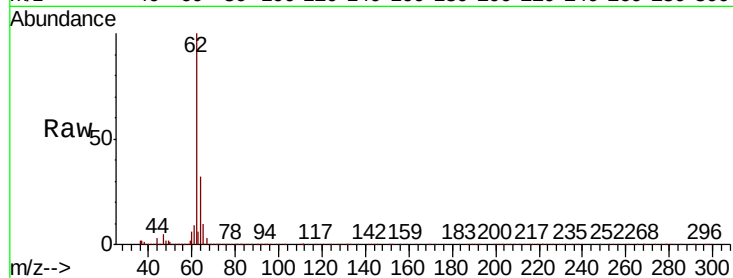
ESWW4MS

Tgt Ion: 62 Resp: 1349050

Ion Ratio Lower Upper

62 100

64 32.0 24.1 44.8



#12

1,1-Dichloroethene

Concen: 4.479 ug/L

RT: 3.65 min Scan# 382

Delta R.T. 0.01 min

Lab File: VR025564.D

Acq: 6 Aug 2018 20:21

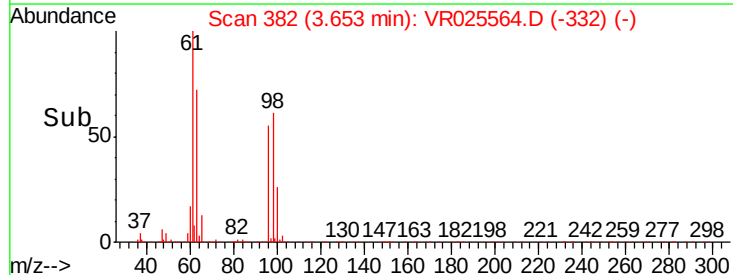
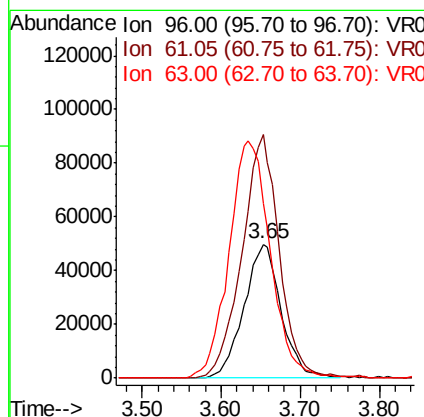
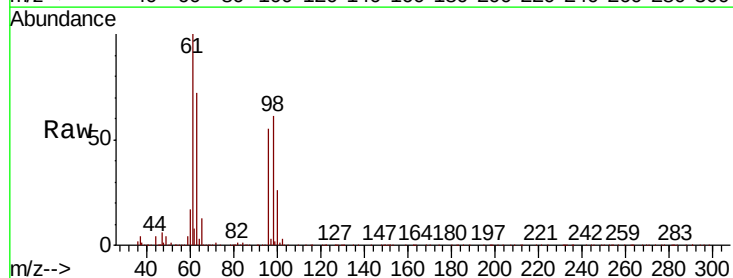
Tgt Ion: 96 Resp: 161764

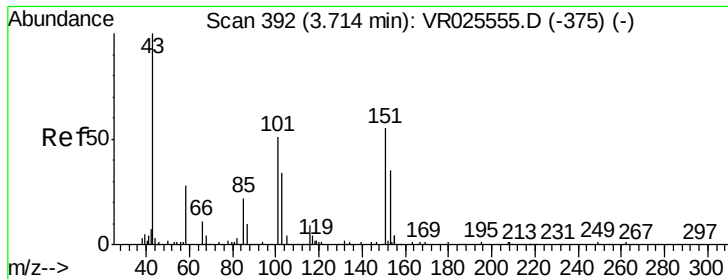
Ion Ratio Lower Upper

96 100

61 181.5 124.3 230.8

63 130.5 108.1 200.7





#13

Acetone

Concen: 3.823 ug/L

RT: 3.70 min Scan# 390

Delta R.T. -0.01 min

Lab File: VR025564.D

Acq: 6 Aug 2018 20:21

Instrument :

MSVOA_R

ClientSampleId :

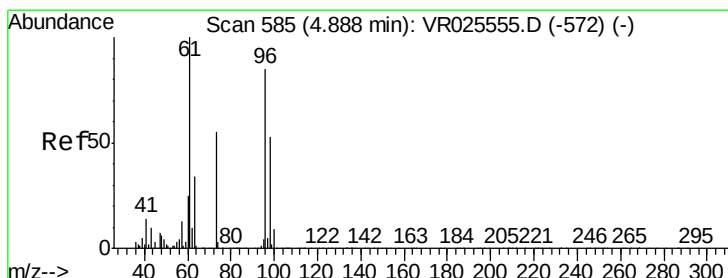
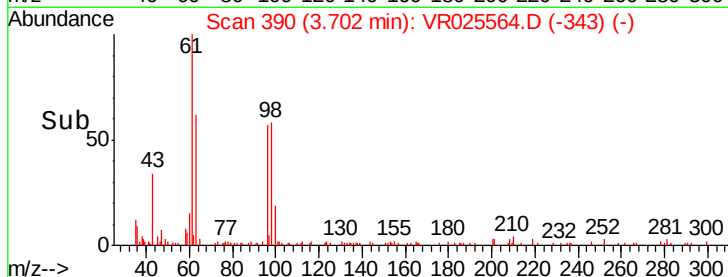
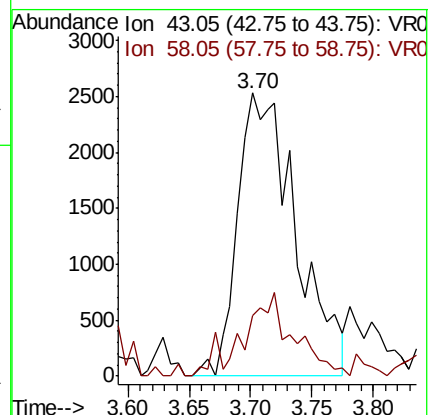
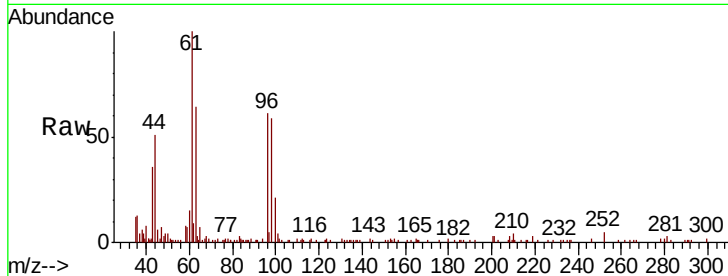
ESWW4MS

Tgt Ion: 43 Resp: 8322

Ion Ratio Lower Upper

43 100

58 23.0 0.0 53.4



#18

trans-1,2-Dichloroethene

Concen: 0.992 ug/L

RT: 4.89 min Scan# 585

Delta R.T. -0.00 min

Lab File: VR025564.D

Acq: 6 Aug 2018 20:21

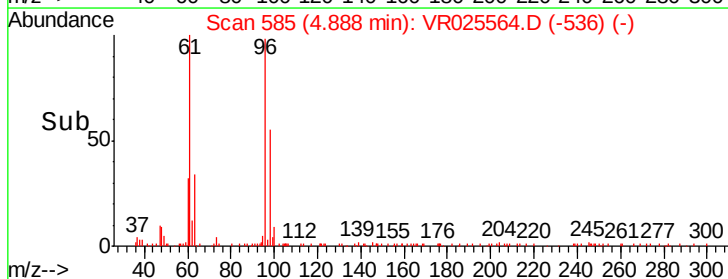
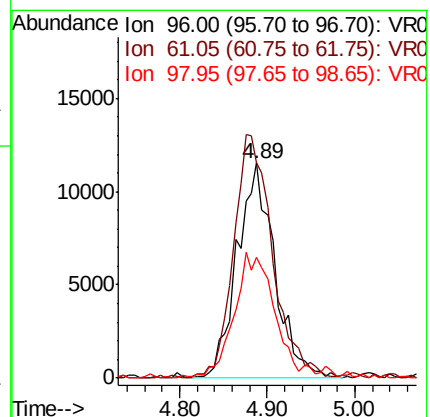
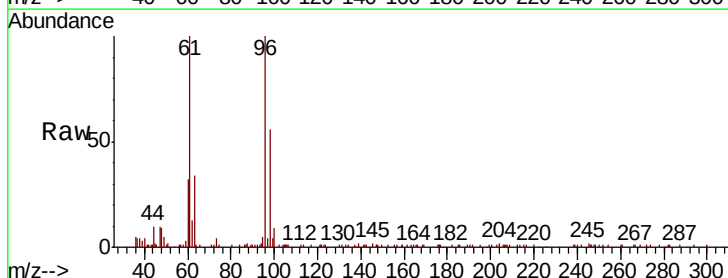
Tgt Ion: 96 Resp: 34309

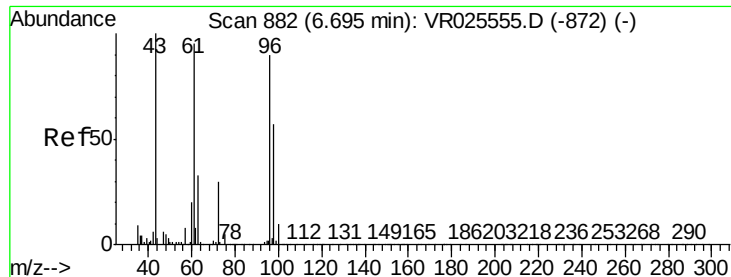
Ion Ratio Lower Upper

96 100

61 100.2 85.5 158.9

98 56.0 42.1 78.1





#21

2-Butanone

Concen: 1.124 ug/L

RT: 6.69 min Scan# 882

Delta R.T. -0.00 min

Lab File: VR025564.D

Acq: 6 Aug 2018 20:21

Instrument :

MSVOA_R

ClientSampleId :

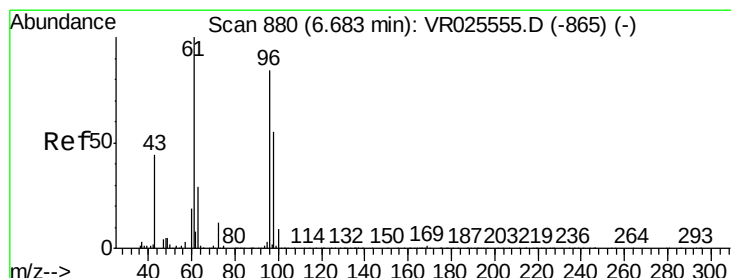
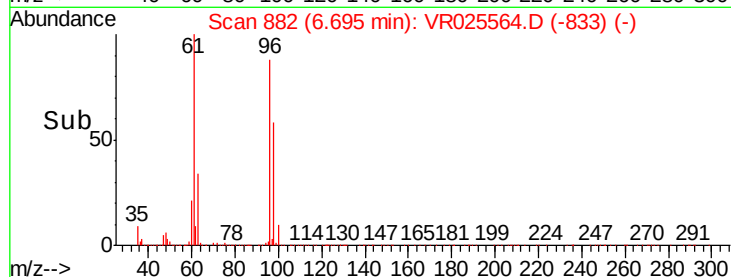
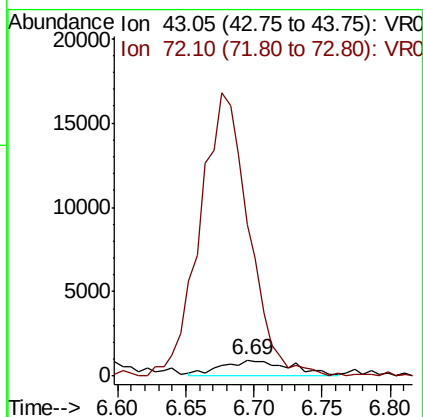
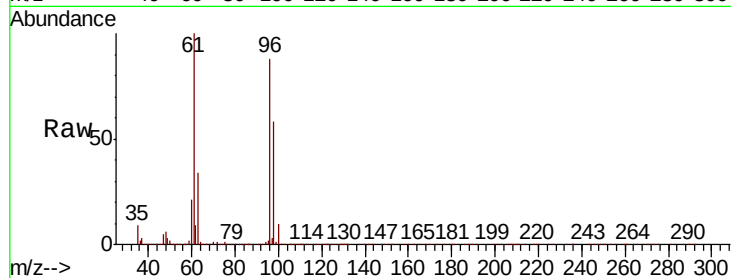
ESWW4MS

Tgt Ion: 43 Resp: 3400

Ion Ratio Lower Upper

43 100

72 1232.2 13.2 39.6#



#22

cis-1,2-Dichloroethene

Concen: 172.189 ug/L

RT: 6.68 min Scan# 879

Delta R.T. -0.01 min

Lab File: VR025564.D

Acq: 6 Aug 2018 20:21

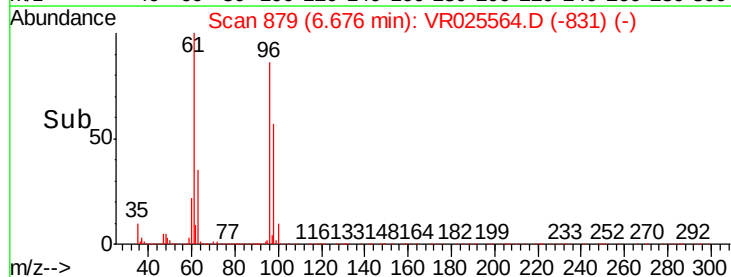
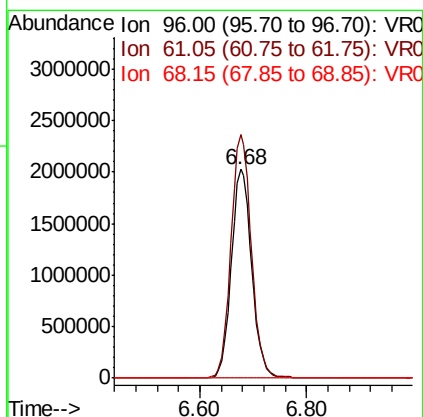
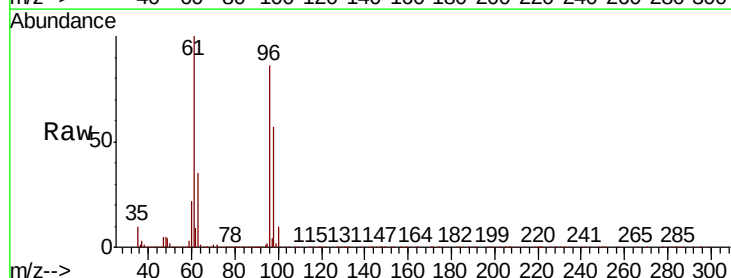
Tgt Ion: 96 Resp: 5439793

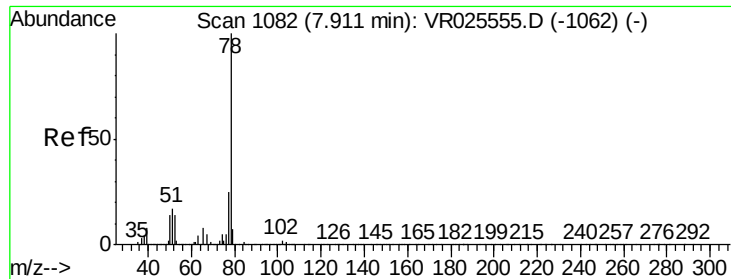
Ion Ratio Lower Upper

96 100

61 116.6 77.7 144.3

68 0.0 0.0 0.0#





#33

Benzene

Concen: 4.763 ug/L

RT: 7.91 min Scan# 1081

Delta R.T. -0.01 min

Lab File: VR025564.D

Acq: 6 Aug 2018 20:21

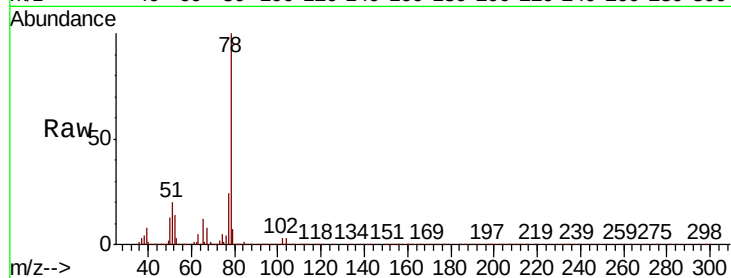
Instrument :

MSVOA_R

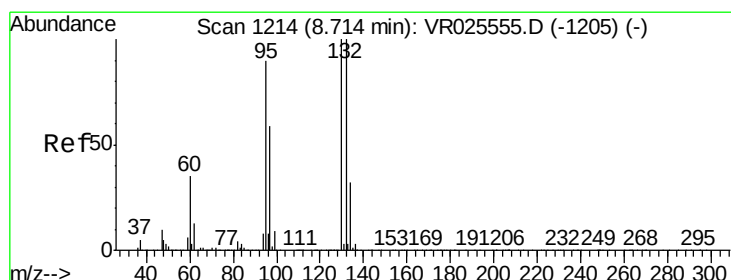
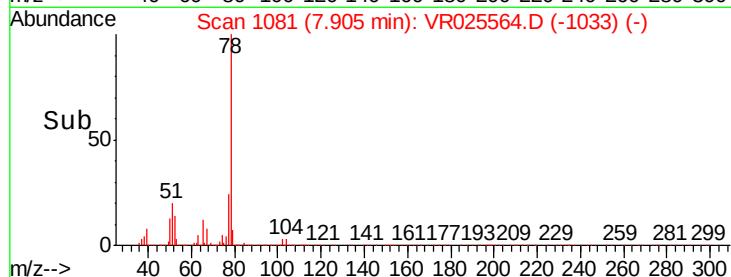
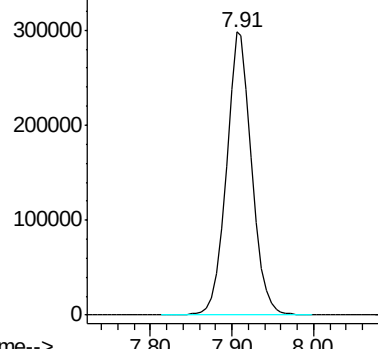
ClientSampleId :

ESWW4MS

Tgt Ion: 78 Resp: 642916



Abundance Ion 78.10 (77.80 to 78.80): VR0



#34

Trichloroethene

Concen: 7.186 ug/L

RT: 8.71 min Scan# 1214

Delta R.T. -0.00 min

Lab File: VR025564.D

Acq: 6 Aug 2018 20:21

Tgt Ion: 95 Resp: 241251

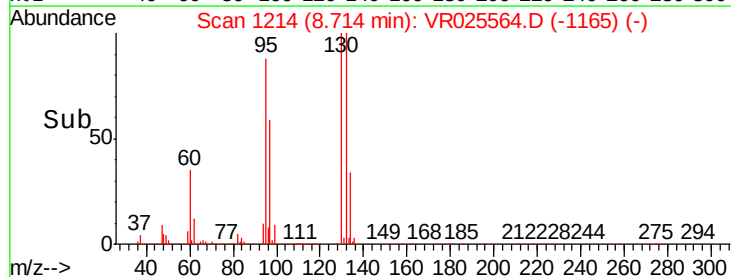
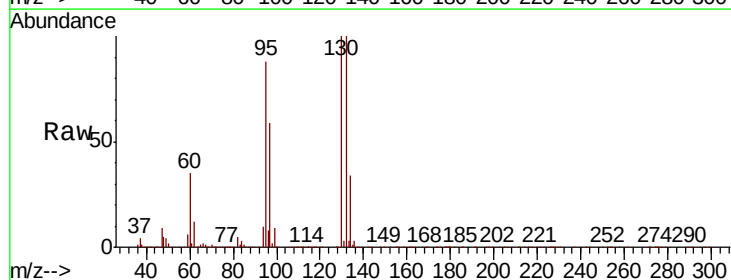
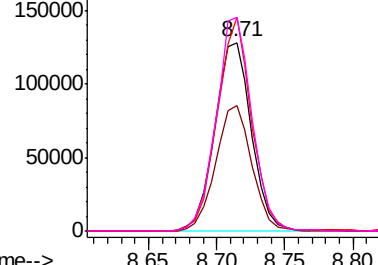
Ion	Ratio	Lower	Upper
95	100		
97	66.4	46.7	86.7
132	113.0	71.7	133.1
130	113.2	71.3	132.3

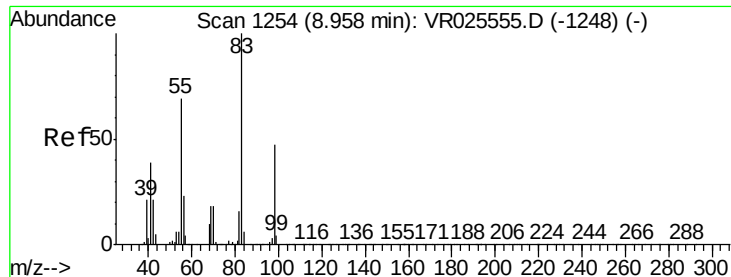
Abundance Ion 95.00 (94.70 to 95.70): VR0

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

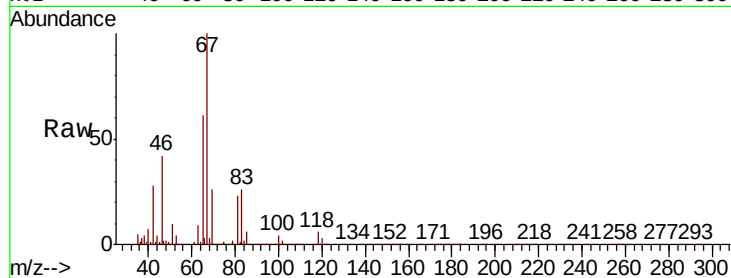




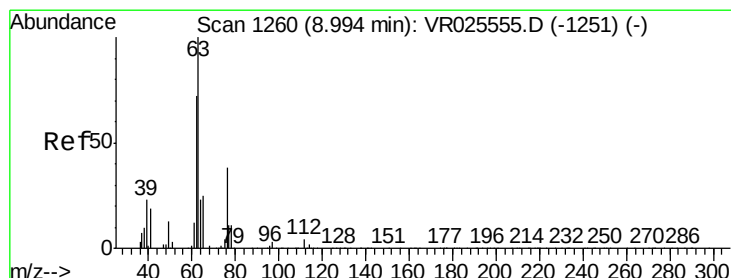
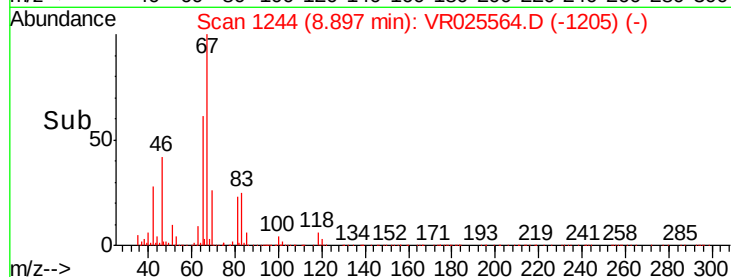
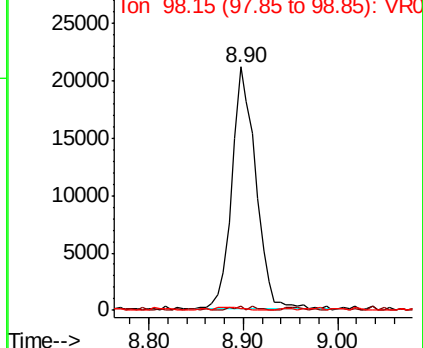
#35
Methylcyclohexane
Concen: 0.735 ug/L
RT: 8.90 min Scan# 1244
Delta R.T. -0.06 min
Lab File: VR025564.D
Acq: 6 Aug 2018 20:21

Instrument :
MSVOA_R
ClientSampled :
ESWW4MS

Tgt Ion: 83 Resp: 37088
Ion Ratio Lower Upper
83 100
55 0.8 58.3 87.5#
98 1.4 37.8 56.6#

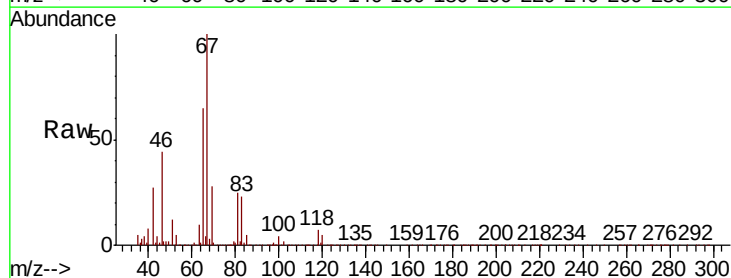


Abundance Ion 83.15 (82.85 to 83.85): VR0
Ion 55.10 (54.80 to 55.80): VR0
Ion 98.15 (97.85 to 98.85): VR0

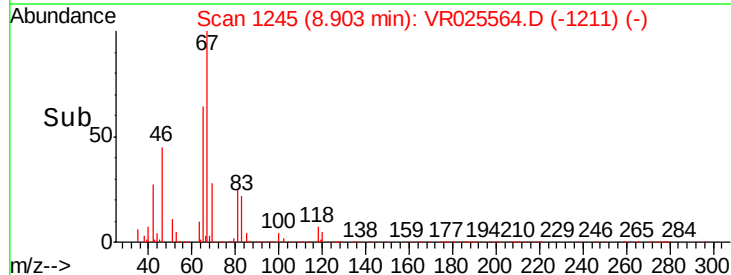
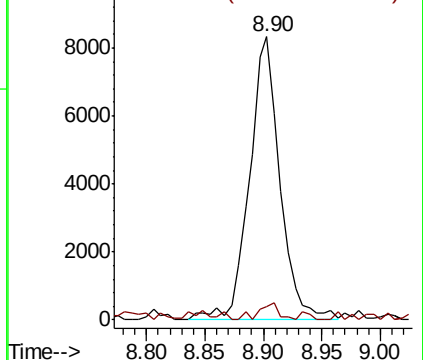


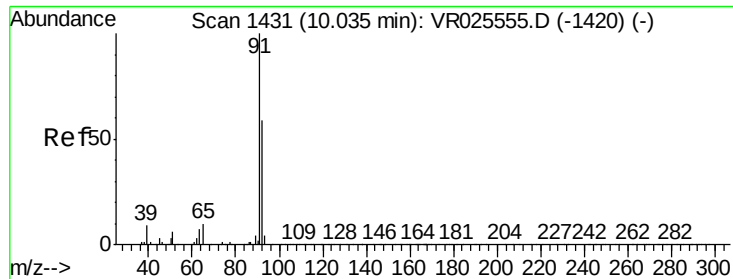
#37
1,2-Dichloropropane
Concen: 0.535 ug/L
RT: 8.90 min Scan# 1245
Delta R.T. -0.09 min
Lab File: VR025564.D
Acq: 6 Aug 2018 20:21

Tgt Ion: 63 Resp: 15195
Ion Ratio Lower Upper
63 100
112 3.8 3.3 4.9



Abundance Ion 63.10 (62.80 to 63.80): VR0
Ion 112.10 (111.80 to 112.80): V





#42

Toluene

Concen: 5.114 ug/L

RT: 10.03 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VR025564.D

Acq: 6 Aug 2018 20:21

Instrument :

MSVOA_R

ClientSampleId :

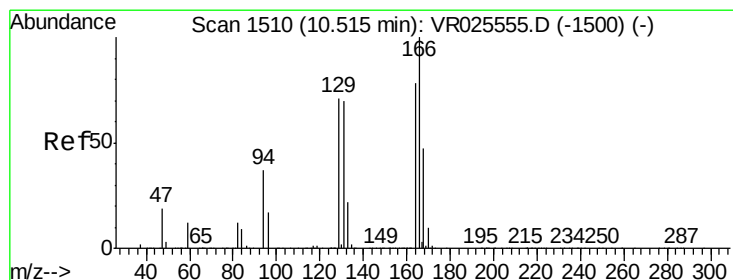
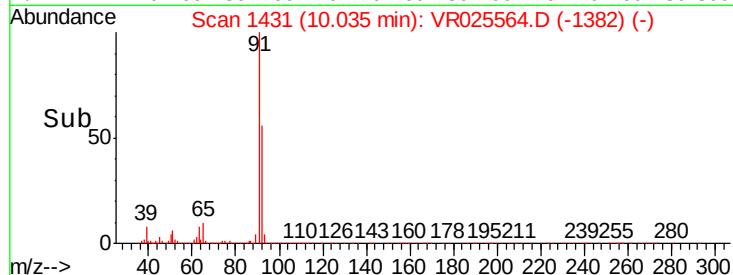
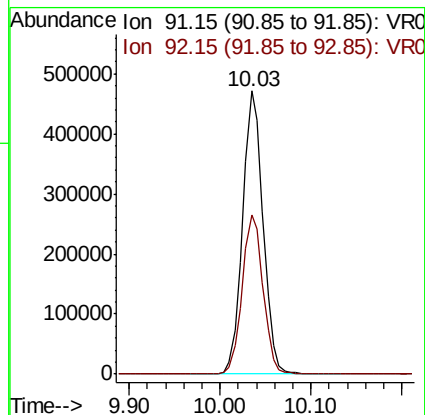
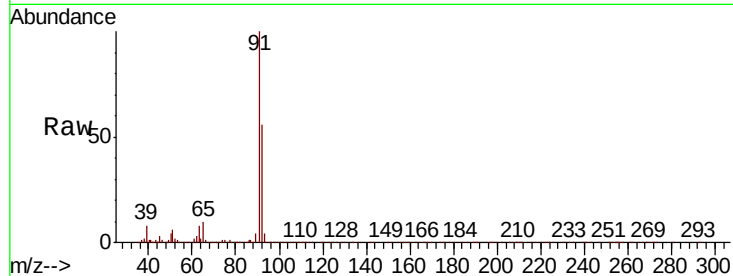
ESWW4MS

Tgt Ion: 91 Resp: 735265

Ion Ratio Lower Upper

91 100

92 56.0 39.6 73.6



#47

Tetrachloroethene

Concen: 3.149 ug/L

RT: 10.52 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VR025564.D

Acq: 6 Aug 2018 20:21

Tgt Ion: 164 Resp: 90454

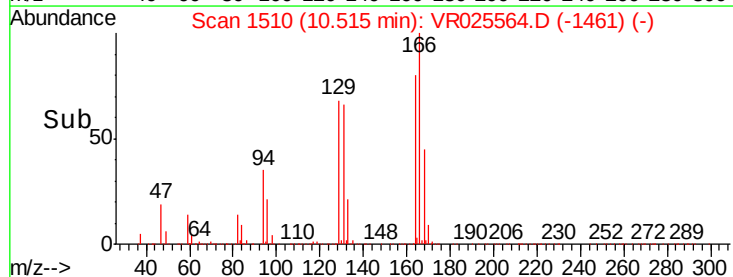
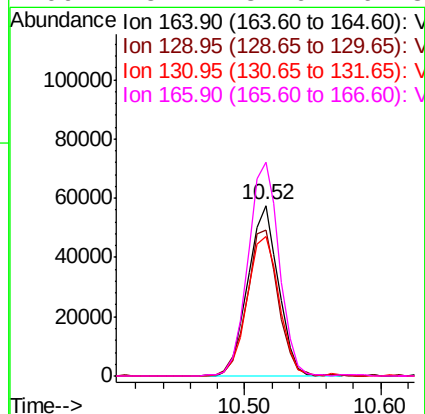
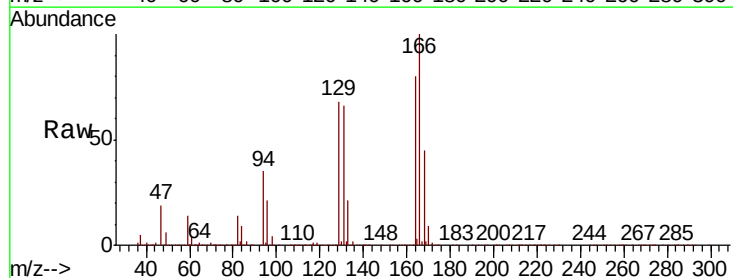
Ion Ratio Lower Upper

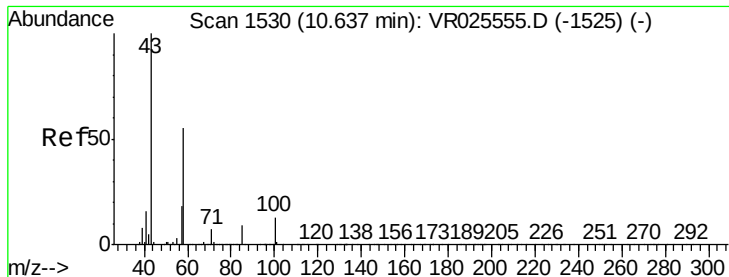
164 100

129 85.5 63.0 117.0

131 82.0 60.6 112.6

166 125.1 87.6 162.8

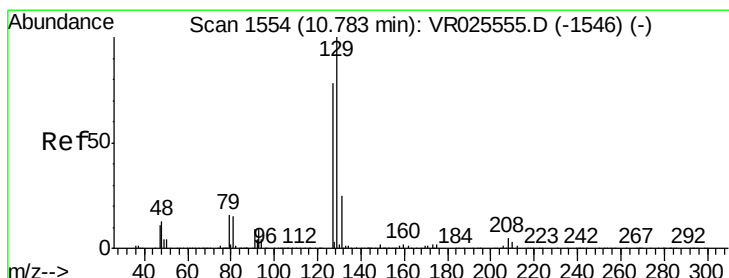
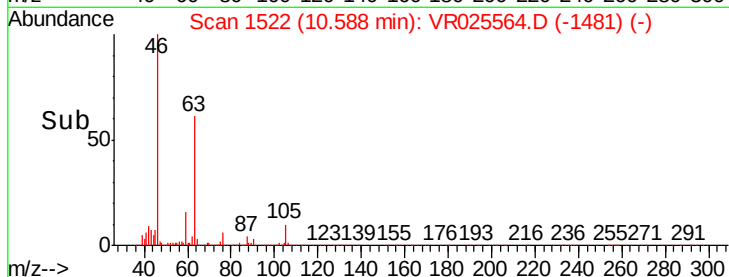
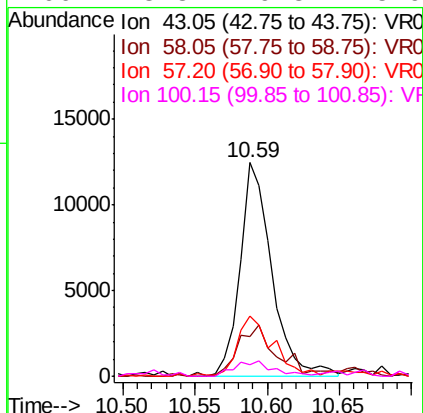
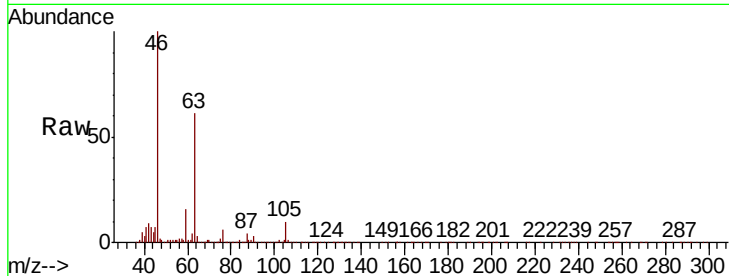




#48
2-Hexanone
Concen: 3.525 ug/L
RT: 10.59 min Scan# 1522
Delta R.T. -0.05 min
Lab File: VR025564.D
Acq: 6 Aug 2018 20:21

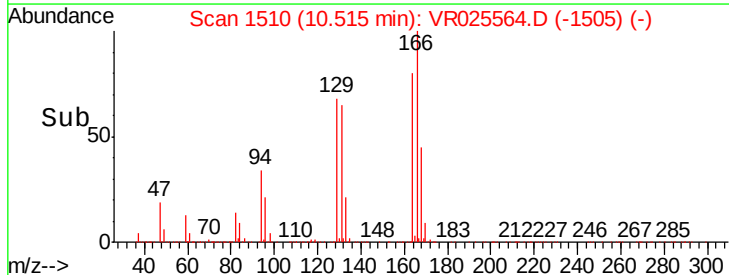
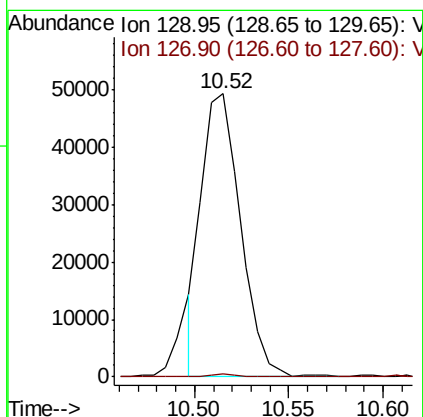
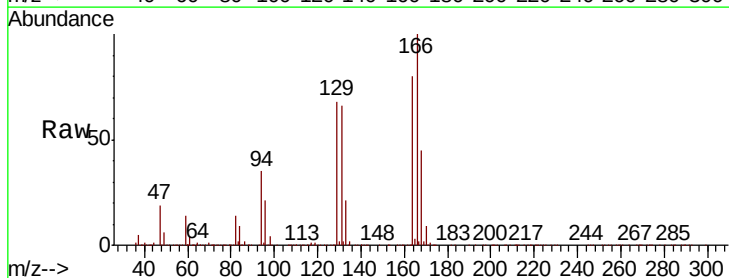
Instrument :
MSVOA_R
ClientSampleId :
ESWW4MS

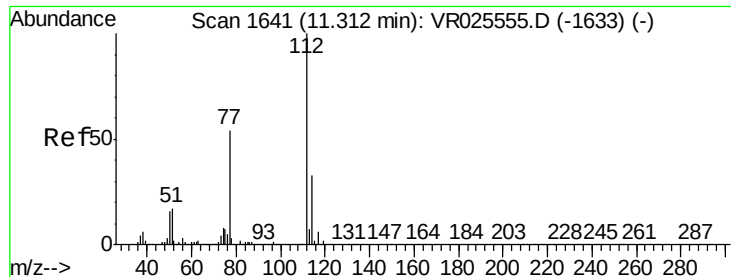
Tgt Ion:	43	Resp:	19036
Ion	Ratio	Lower	Upper
43	100		
58	28.6	45.0	67.6#
57	29.4	15.8	23.6#
100	8.8	9.3	13.9#



#49
Dibromochloromethane
Concen: 4.231 ug/L
RT: 10.52 min Scan# 1510
Delta R.T. -0.27 min
Lab File: VR025564.D
Acq: 6 Aug 2018 20:21

Tgt Ion:	129	Resp:	70630
Ion	Ratio	Lower	Upper
129	100		
127	1.2	54.3	100.9#





#51
Chlorobenzene
Concen: 5.201 ug/L
RT: 11.31 min Scan# 1641
Delta R.T. -0.00 min
Lab File: VR025564.D
Acq: 6 Aug 2018 20:21

Instrument :
MSVOA_R
ClientSampleId :
ESWW4MS

Tgt Ion:	112	Resp:	452174
Ion	Ratio	Lower	Upper
112	100		
114	32.1	21.8	40.4
77	54.6	41.8	62.8

