

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112018\
 Data File : VV008684.D
 Acq On : 20 Nov 2018 19:26
 Operator : SY/MD
 Sample : J5997-04MS 50X
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 E3YA3MS

Quant Time: Nov 21 01:37:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM112018WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 21 01:28:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	296077	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	272822	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	120755	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	86139	41.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.48%
7) Chloroethane-d5	1.57	69	41806	36.64	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	=	73.28%
11) 1,1-Dichloroethene-d2	2.13	63	158682	46.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.06%
21) 2-Butanone-d5	3.94	46	152726	89.71	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.71%
24) Chloroform-d	4.41	84	179570	42.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.90%
26) 1,2-Dichloroethane-d4	5.09	65	123847	45.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.54%
32) Benzene-d6	5.10	84	388434	45.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.54%
36) 1,2-Dichloropropane-d6	6.12	67	124101	46.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.56%
41) Toluene-d8	7.37	98	349733	45.91	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.82%
43) trans-1,3-Dichloropropene-	7.67	79	47098	39.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.38%
47) 2-Hexanone-d5	8.14	63	103714	86.46	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.46%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	146105	40.38	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	80.76%
64) 1,2-Dichlorobenzene-d4	11.68	152	120417	45.68	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.36%

Target Compounds

					Qvalue
6) Bromomethane	1.53	94	843	1.108 ug/L	74
9) Trichlorofluoromethane	2.13	101	1228	0.423 ug/L #	33
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1228	0.733 ug/L #	17
12) 1,1-Dichloroethene	2.14	96	75502	50.226 ug/L	83
20) cis-1,2-Dichloroethene	3.97	96	7847	3.292 ug/L	87
27) 1,2-Dichloroethane	5.15	62	3753	1.164 ug/L #	74
29) Cyclohexane	4.73	56	8573	2.320 ug/L #	100
33) Benzene	5.15	78	443960	50.616 ug/L	100
34) Trichloroethene	5.96	95	111252	47.861 ug/L	89
35) Methylcyclohexane	6.18	83	56571	14.739 ug/L	94
44) trans-1,3-Dichloropropene	7.67	75	2103	0.687 ug/L #	74
51) Chlorobenzene	8.93	112	289164	49.828 ug/L	95
52) Ethylbenzene	9.06	91	660788	66.027 ug/L	99
53) m,p-Xylene	9.18	106	781764	212.579 ug/L	91
54) o-xylene	9.59	106	242575	66.335 ug/L	94
55) Styrene	9.59	104	12112	1.986 ug/L #	1
56) Isopropylbenzene	9.98	105	18093	1.882 ug/L	98

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QLast Update : Wed Nov 21 01:28:05 2018
Response via : Initial Calibration

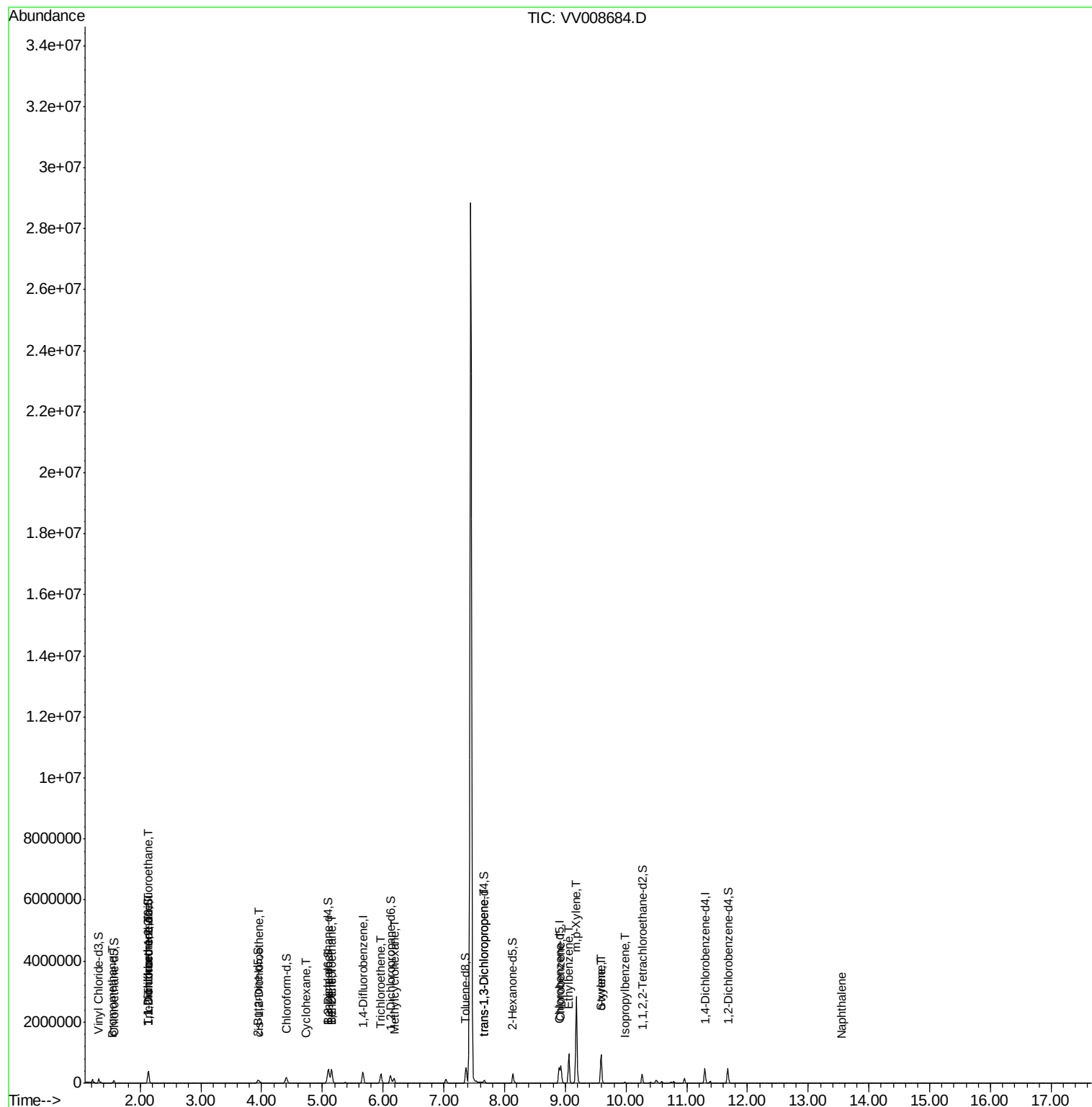
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
69) Naphthalene	13.56	128	5442	0.894	ug/L #	94
-----	-----	-----	-----	-----	-----	-----

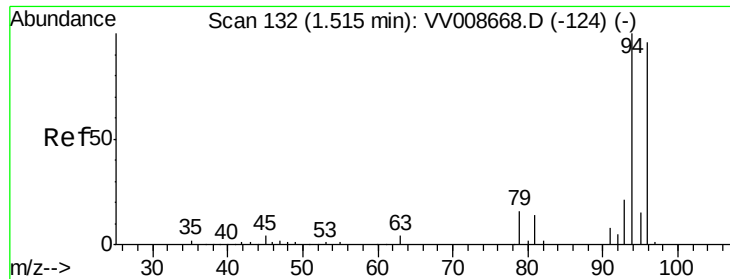
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV112018\
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#6

Bromomethane

Concen: 1.108 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.01 min

Lab File: VV008684.D

Acq: 20 Nov 2018 19:26

Instrument :

MSVOA_V

ClientSampleId :

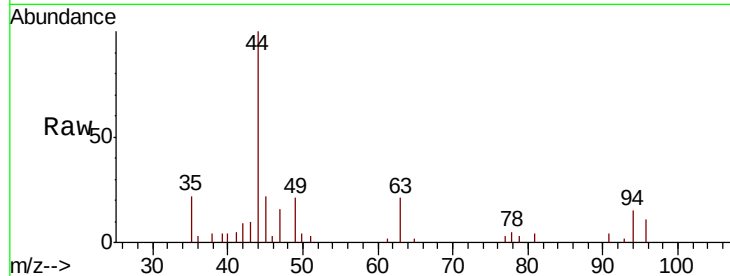
E3YA3MS

Tgt Ion: 94 Resp: 843

Ion Ratio Lower Upper

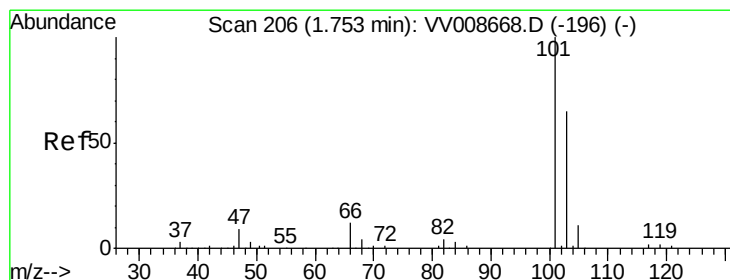
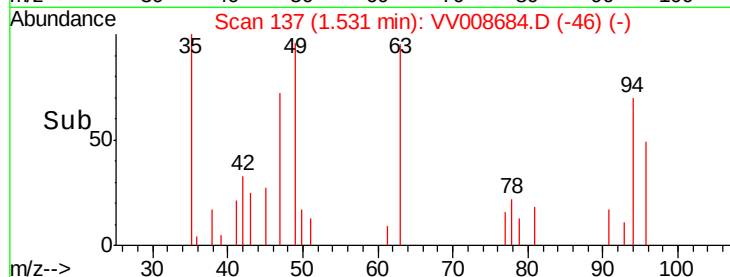
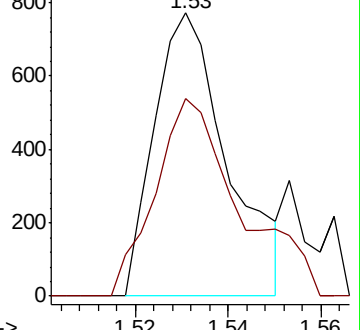
94 100

96 69.8 66.6 123.8



Abundance Ion 94.00 (93.70 to 94.70): VV008668.D (-124) (-)

Ion 96.00 (95.70 to 96.70): VV008668.D (-124) (-)



#9

Trichlorofluoromethane

Concen: 0.423 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.36 min

Lab File: VV008684.D

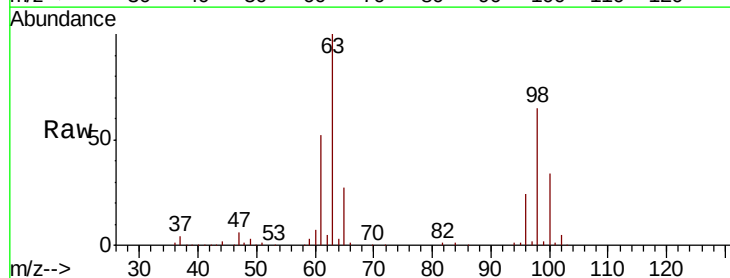
Acq: 20 Nov 2018 19:26

Tgt Ion: 101 Resp: 1228

Ion Ratio Lower Upper

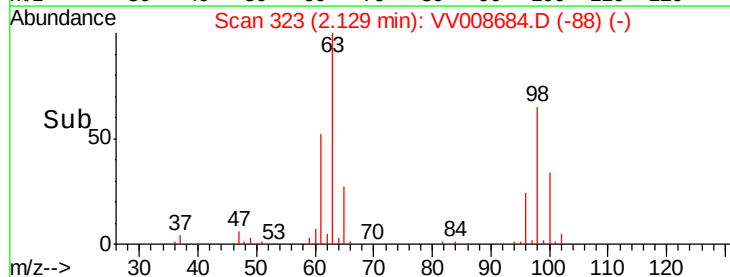
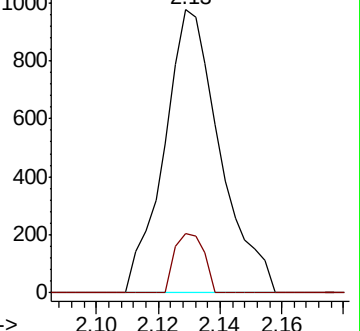
101 100

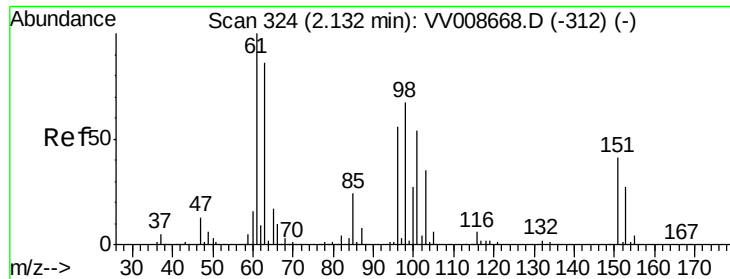
103 11.0 50.2 75.4#



Abundance Ion 101.00 (100.70 to 101.70): VV008668.D (-196) (-)

Ion 103.00 (102.70 to 103.70): VV008668.D (-196) (-)





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.733 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV008684.D

Acq: 20 Nov 2018 19:26

Instrument :

MSVOA_V

ClientSampleId :

E3YA3MS

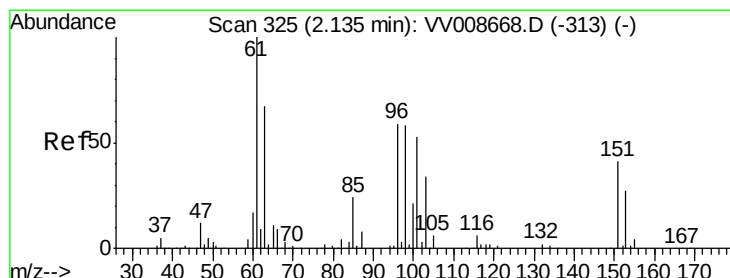
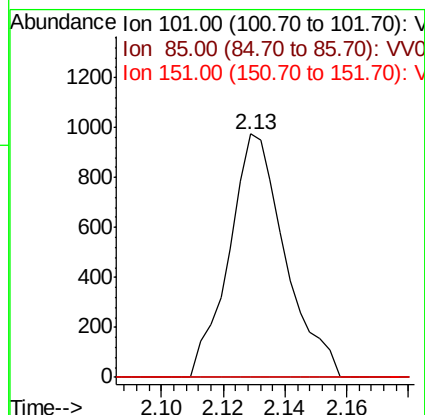
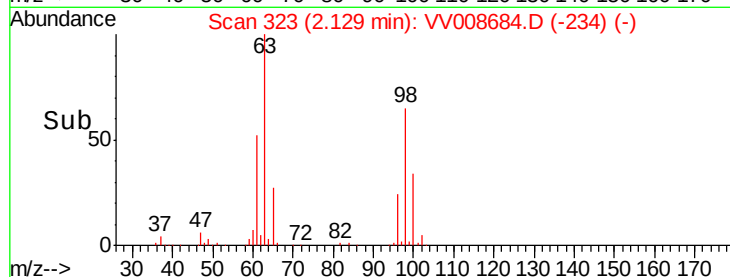
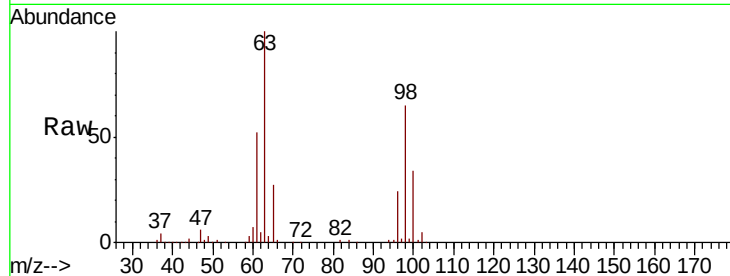
Tgt Ion: 101 Resp: 1228

Ion Ratio Lower Upper

101 100

85 0.0 37.0 55.6#

151 0.0 63.8 95.8#



#12

1,1-Dichloroethene

Concen: 50.226 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV008684.D

Acq: 20 Nov 2018 19:26

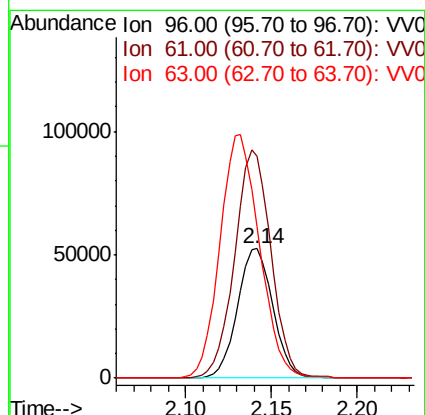
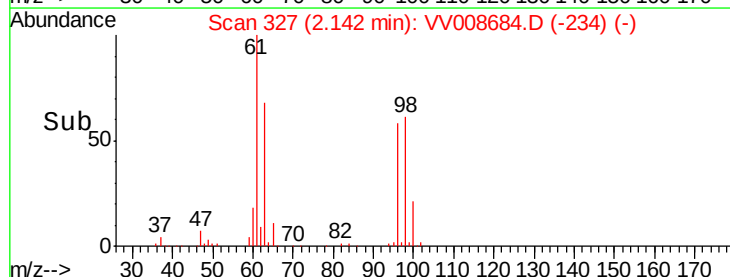
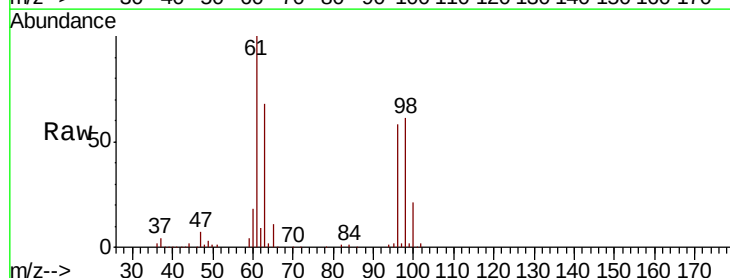
Tgt Ion: 96 Resp: 75502

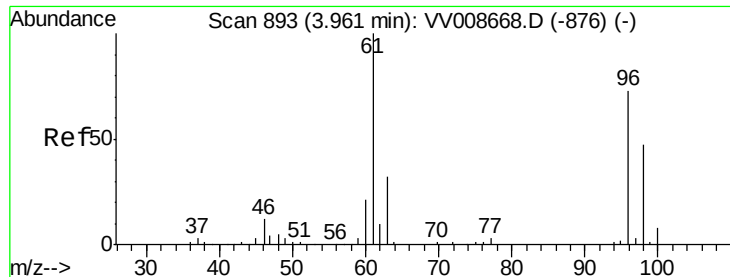
Ion Ratio Lower Upper

96 100

61 172.0 120.3 223.3

63 116.8 113.3 210.5

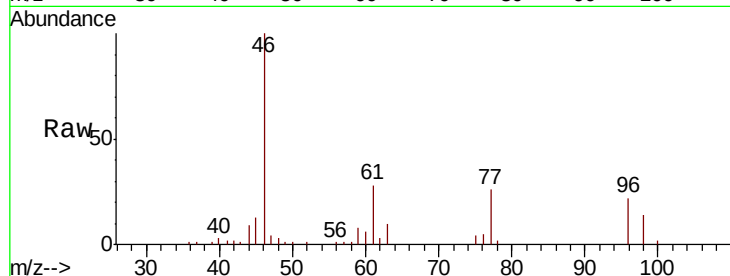




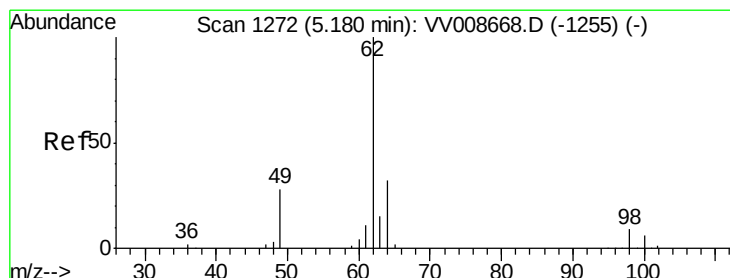
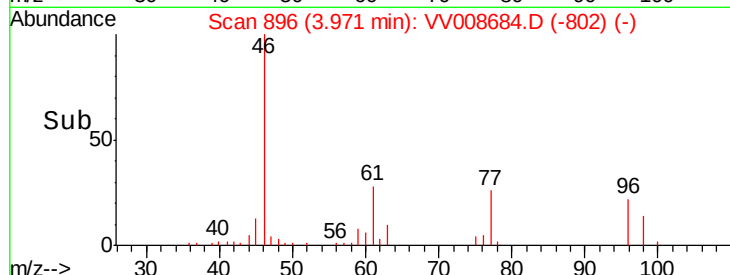
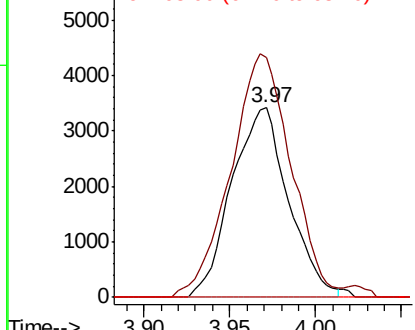
#20
 cis-1,2-Dichloroethene
 Concen: 3.292 ug/L
 RT: 3.97 min Scan# 896
 Delta R.T. 0.00 min
 Lab File: VV008684.D
 Acq: 20 Nov 2018 19:26

Instrument :
 MSVOA_V
 ClientSampleId :
 E3YA3MS

Tgt Ion: 96 Resp: 7847
 Ion Ratio Lower Upper
 96 100
 61 126.6 78.8 146.3
 68 0.0 0.0 0.0

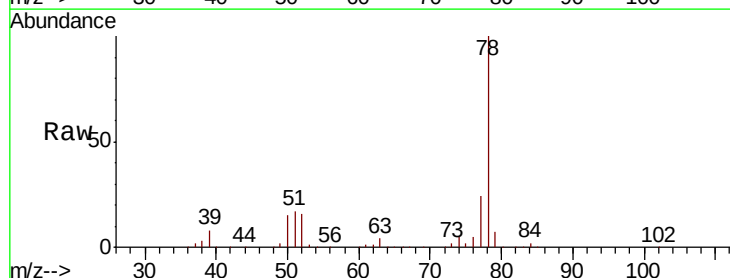


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0

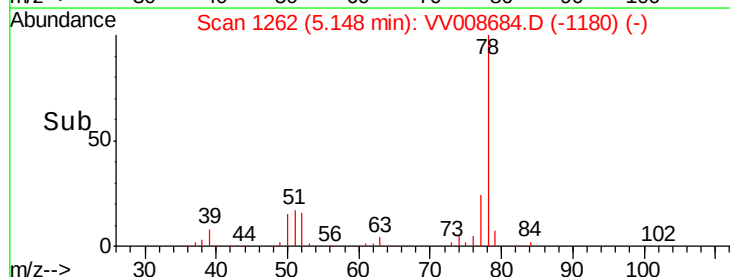
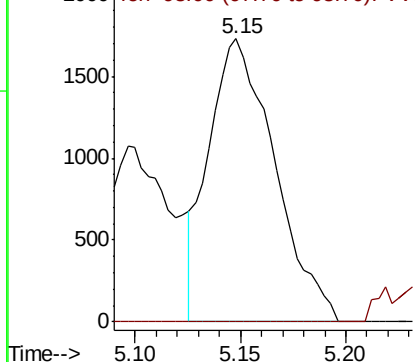


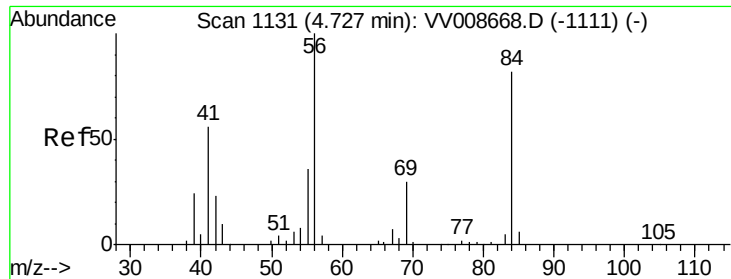
#27
 1,2-Dichloroethane
 Concen: 1.164 ug/L
 RT: 5.15 min Scan# 1262
 Delta R.T. -0.04 min
 Lab File: VV008684.D
 Acq: 20 Nov 2018 19:26

Tgt Ion: 62 Resp: 3753
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.4 11.2#



Abundance Ion 62.00 (61.70 to 62.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

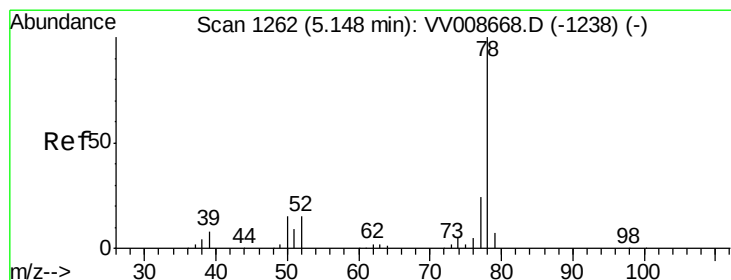
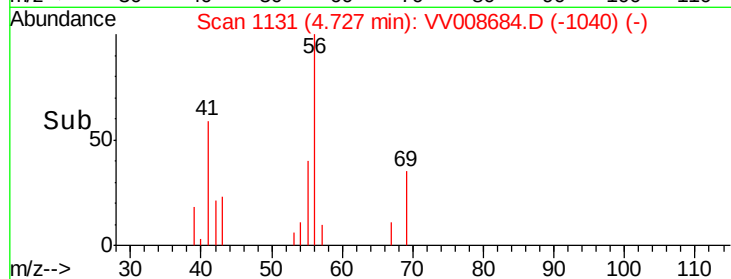
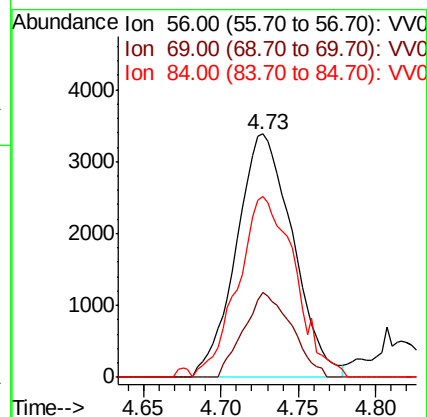
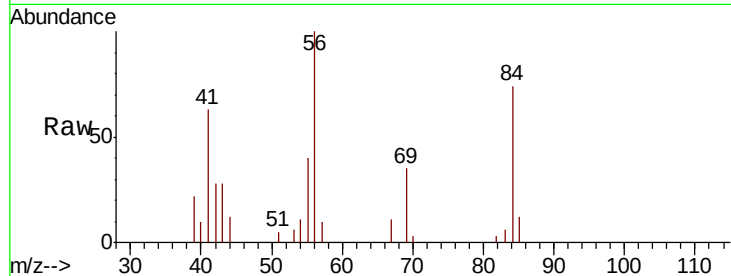




#29
Cyclohexane
Concen: 2.320 ug/L
RT: 4.73 min Scan# 1131
Delta R.T. -0.01 min
Lab File: VV008684.D
Acq: 20 Nov 2018 19:26

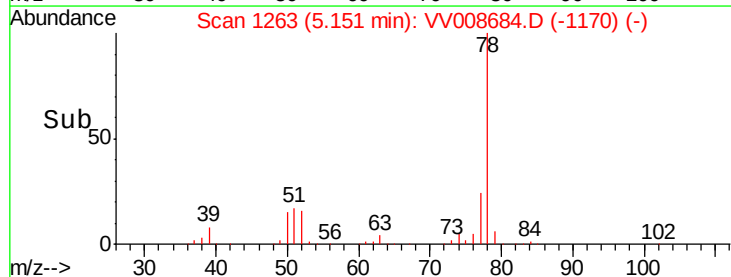
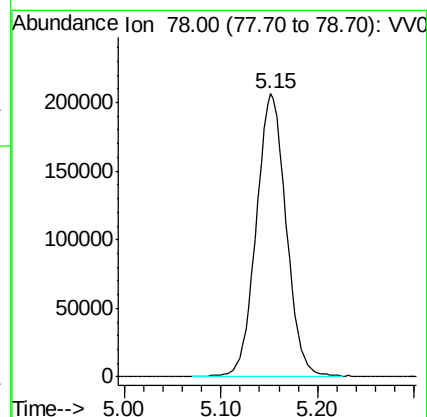
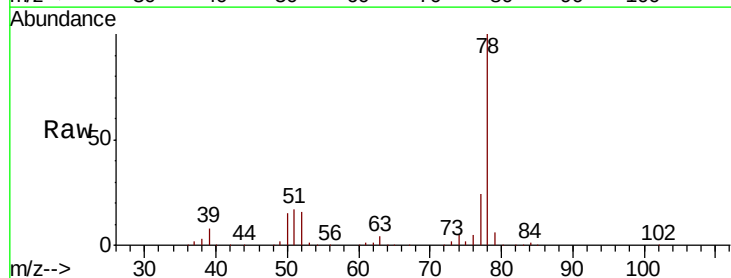
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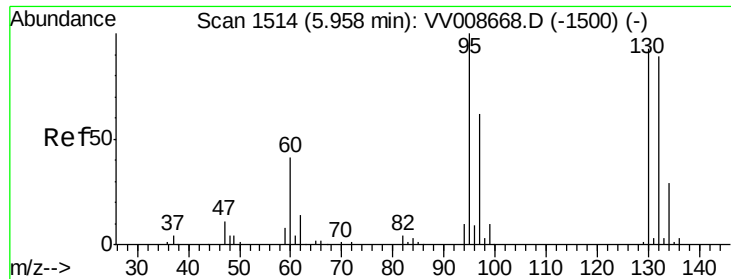
Tgt Ion: 56 Resp: 8573
Ion Ratio Lower Upper
56 100
69 29.7 0.0 0.0#
84 70.4 0.0 0.0#



#33
Benzene
Concen: 50.616 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV008684.D
Acq: 20 Nov 2018 19:26

Tgt Ion: 78 Resp: 443960

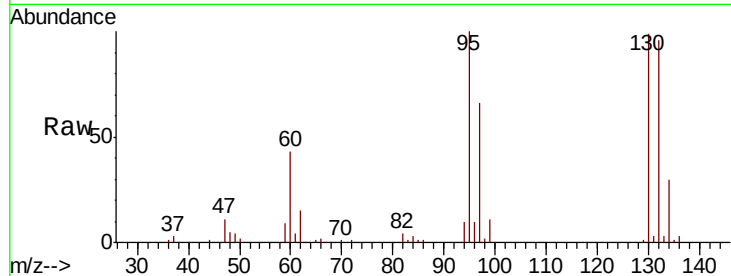




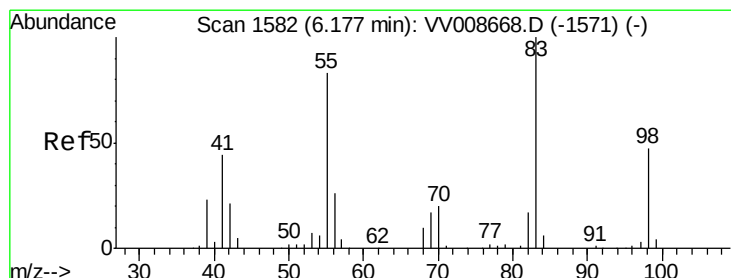
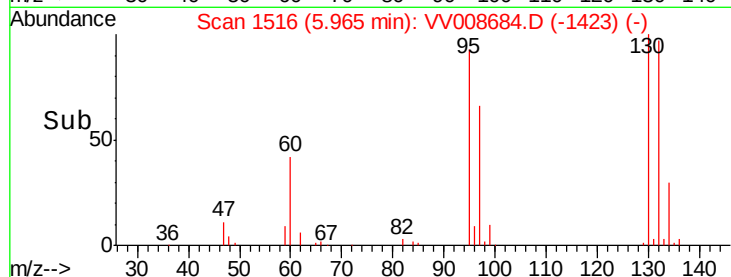
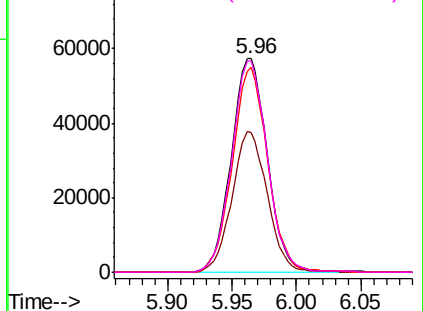
#34
 Trichloroethene
 Concen: 47.861 ug/L
 RT: 5.96 min Scan# 1516
 Delta R.T. 0.00 min
 Lab File: VV008684.D
 Acq: 20 Nov 2018 19:26

Instrument :
 MSVOA_V
 ClientSampleId :
 E3YA3MS

Tgt Ion: 95 Resp: 111252
 Ion Ratio Lower Upper
 95 100
 97 65.6 43.8 81.3
 132 95.7 58.3 108.3
 130 98.8 60.3 112.1

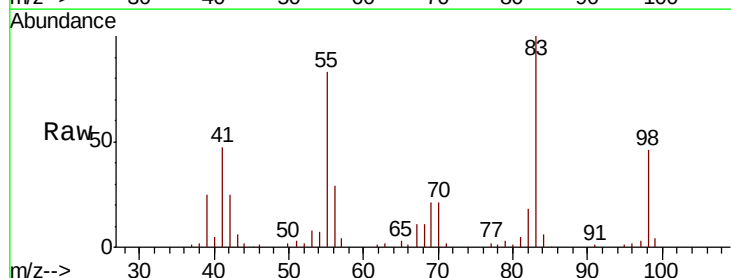


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

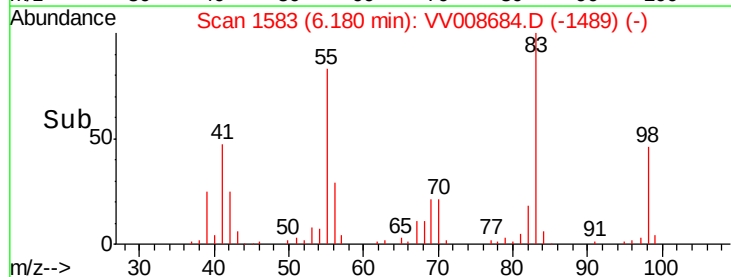
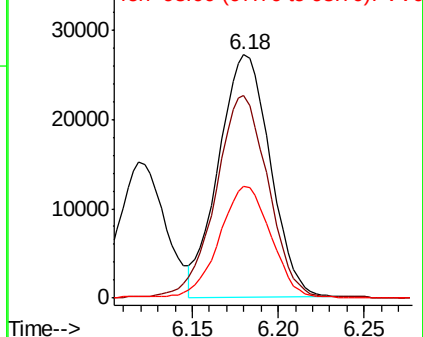


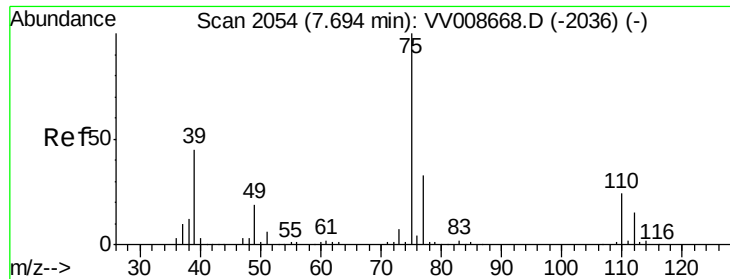
#35
 Methylcyclohexane
 Concen: 14.739 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VV008684.D
 Acq: 20 Nov 2018 19:26

Tgt Ion: 83 Resp: 56571
 Ion Ratio Lower Upper
 83 100
 55 85.4 63.0 94.6
 98 46.3 35.4 53.0



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0





#44

trans-1,3-Dichloropropene

Concen: 0.687 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.03 min

Lab File: VV008684.D

Acq: 20 Nov 2018 19:26

Instrument :

MSVOA_V

ClientSampleId :

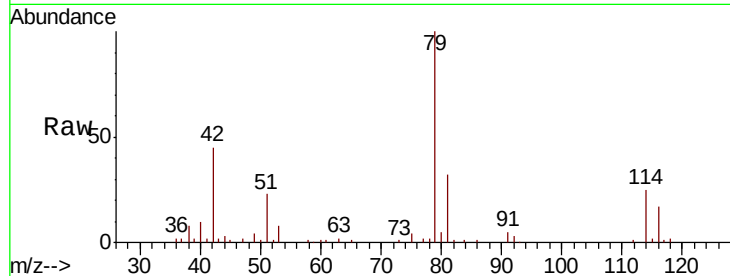
E3YA3MS

Tgt Ion: 75 Resp: 2103

Ion Ratio Lower Upper

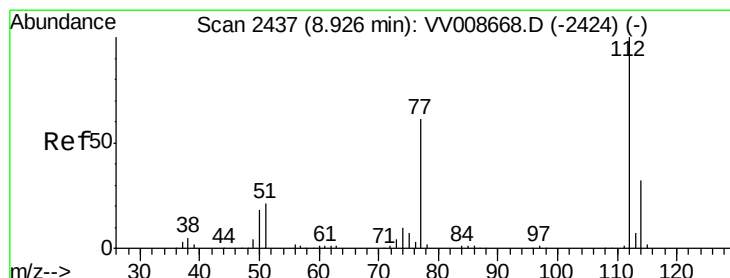
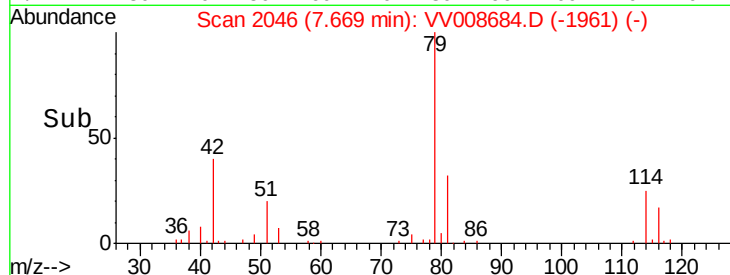
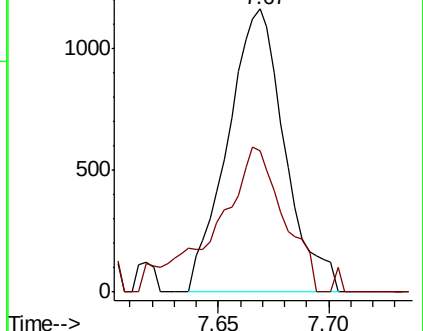
75 100

77 50.1 24.6 45.8#



Abundance Ion 75.00 (74.70 to 75.70): VV008668.D (-2036) (-)

Ion 77.00 (76.70 to 77.70): VV008668.D (-2036) (-)



#51

Chlorobenzene

Concen: 49.828 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV008684.D

Acq: 20 Nov 2018 19:26

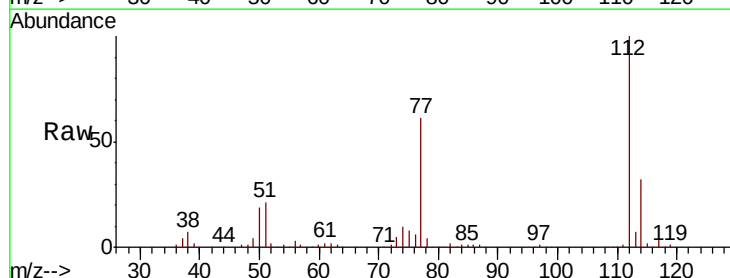
Tgt Ion: 112 Resp: 289164

Ion Ratio Lower Upper

112 100

114 31.8 22.9 42.5

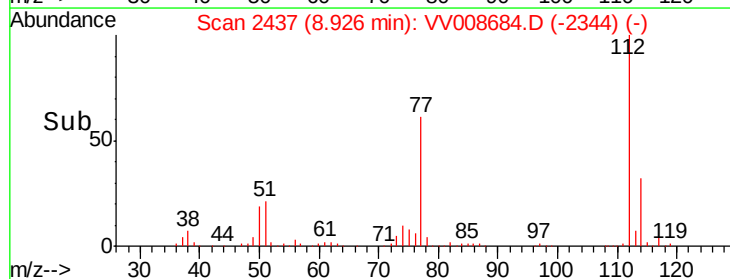
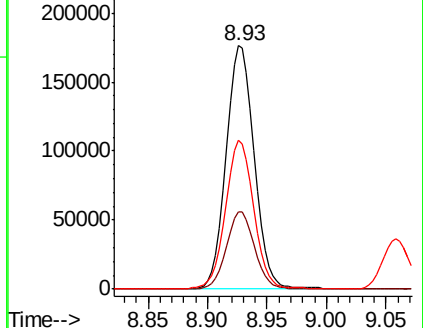
77 61.3 53.8 80.6

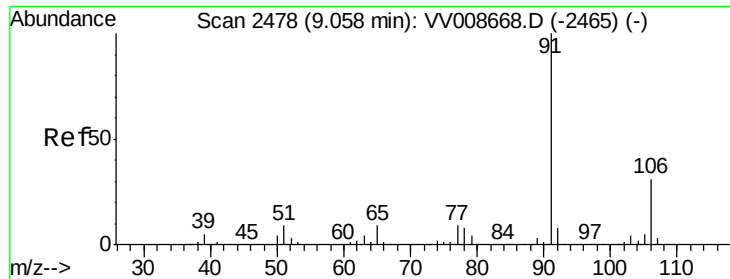


Abundance Ion 112.00 (111.70 to 112.70): VV008668.D (-2424) (-)

Ion 114.00 (113.70 to 114.70): VV008668.D (-2424) (-)

Ion 77.00 (76.70 to 77.70): VV008668.D (-2424) (-)





#52

Ethylbenzene

Concen: 66.027 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008684.D

Acq: 20 Nov 2018 19:26

Instrument :

MSVOA_V

ClientSampleId :

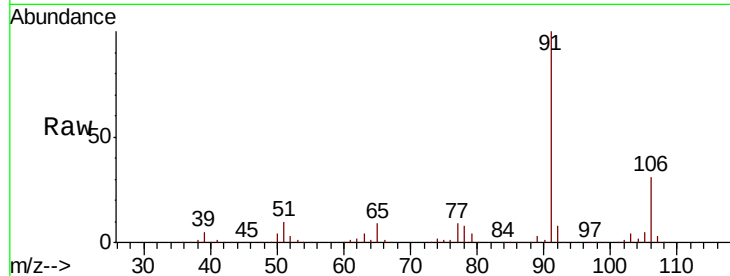
E3YA3MS

Tgt Ion: 91 Resp: 660788

Ion Ratio Lower Upper

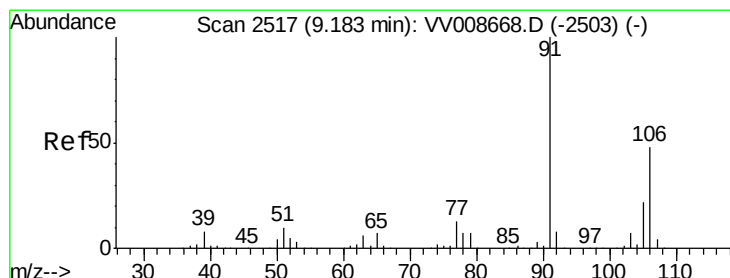
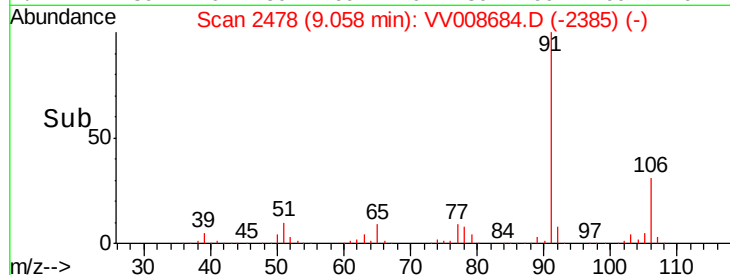
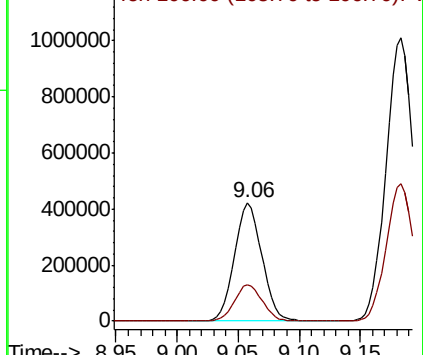
91 100

106 31.0 21.2 39.4



Abundance Ion 91.00 (90.70 to 91.70): VV008668.D (-2465) (-)

Ion 106.00 (105.70 to 106.70): VV008668.D (-2465) (-)



#53

m,p-Xylene

Concen: 212.579 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008684.D

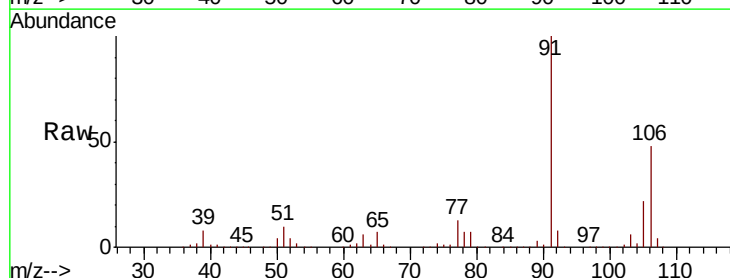
Acq: 20 Nov 2018 19:26

Tgt Ion: 106 Resp: 781764

Ion Ratio Lower Upper

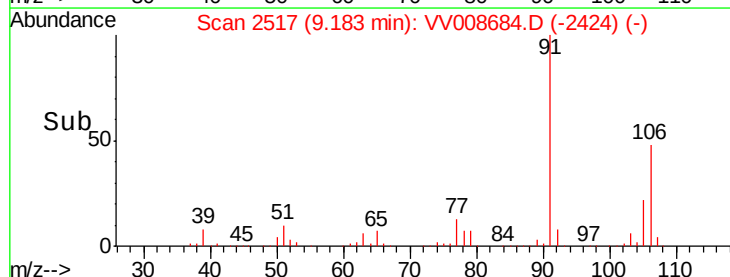
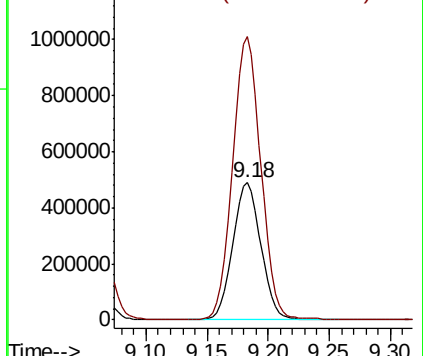
106 100

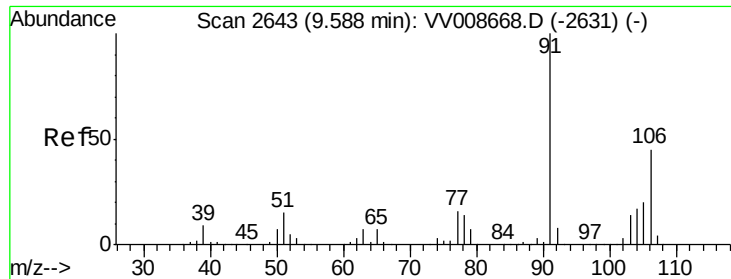
91 206.8 154.7 287.3



Abundance Ion 106.00 (105.70 to 106.70): VV008668.D (-2503) (-)

Ion 91.00 (90.70 to 91.70): VV008668.D (-2503) (-)

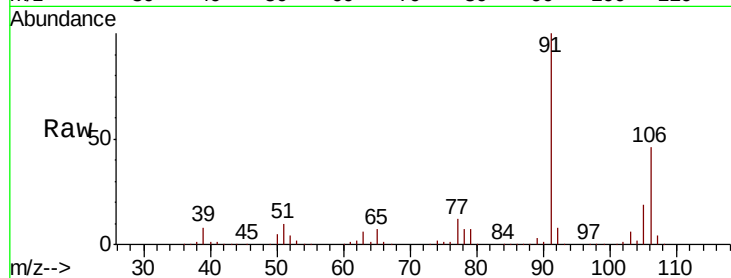




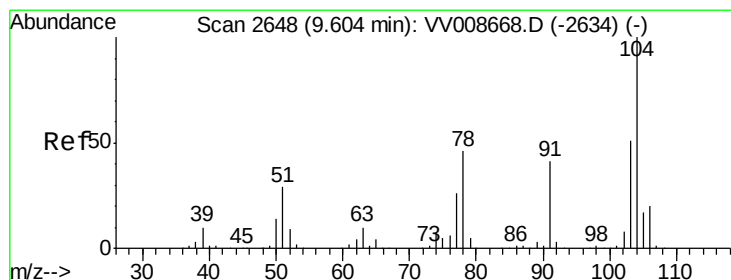
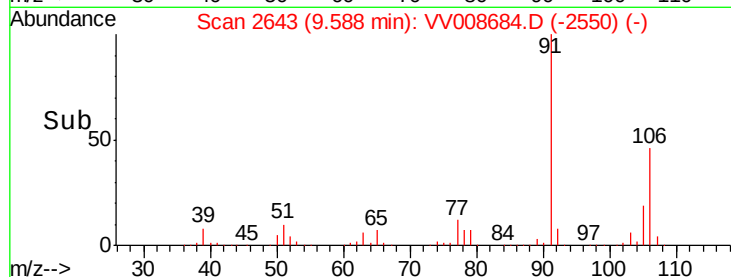
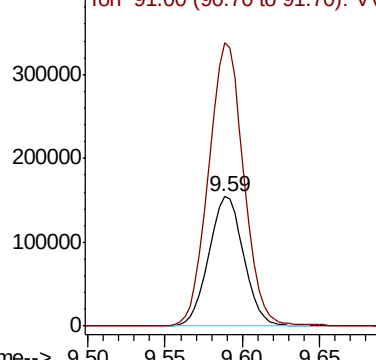
#54
o-xylene
Concen: 66.335 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV008684.D
Acq: 20 Nov 2018 19:26

Instrument :
MSVOA_V
ClientSampleId :
E3YA3MS

Tgt Ion:106 Resp: 242575
Ion Ratio Lower Upper
106 100
91 218.6 146.7 272.5

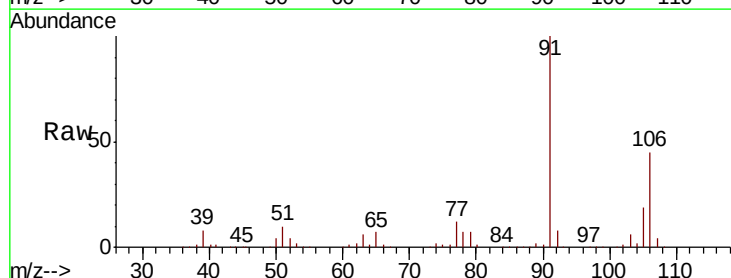


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

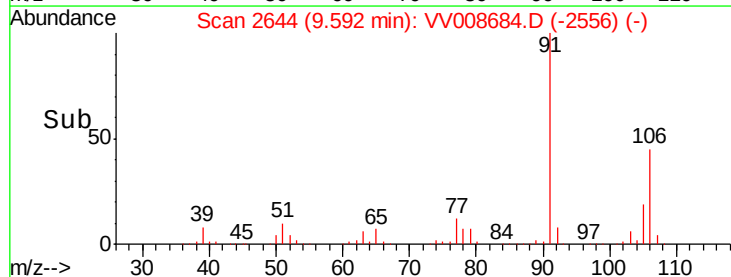
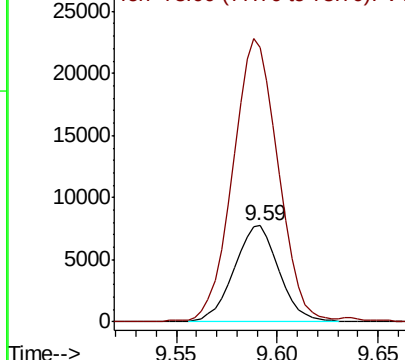


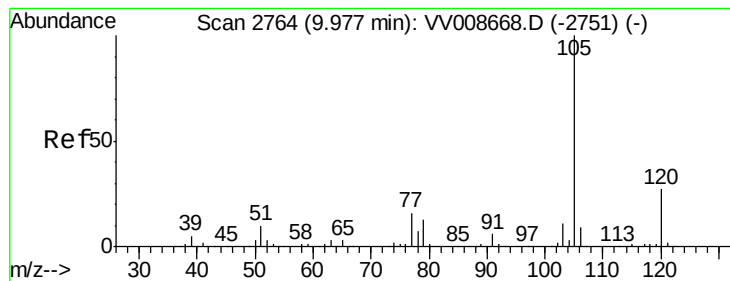
#55
Styrene
Concen: 1.986 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. -0.02 min
Lab File: VV008684.D
Acq: 20 Nov 2018 19:26

Tgt Ion:104 Resp: 12112
Ion Ratio Lower Upper
104 100
78 284.5 32.7 60.7#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 1.882 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008684.D

Acq: 20 Nov 2018 19:26

Instrument :

MSVOA_V

ClientSampleId :

E3YA3MS

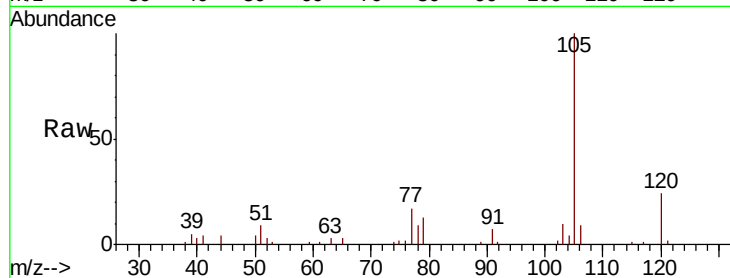
Tgt Ion:105 Resp: 18093

Ion Ratio Lower Upper

105 100

120 24.5 20.5 30.7

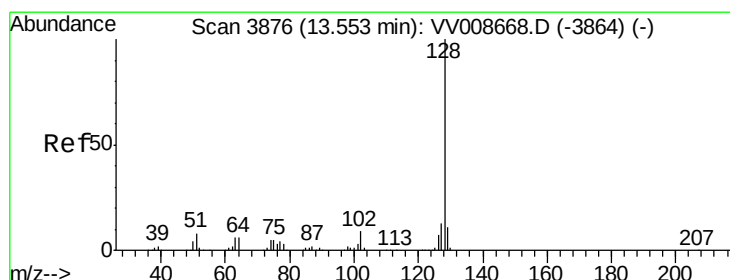
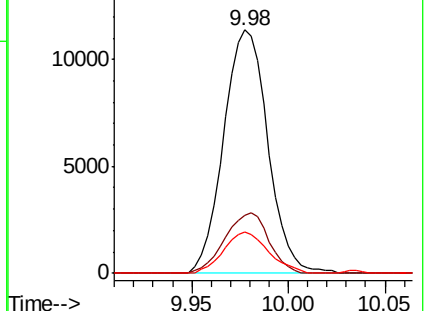
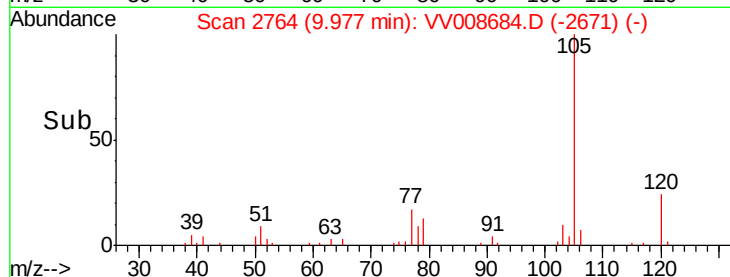
77 17.1 12.8 19.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#69

Naphthalene

Concen: 0.894 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV008684.D

Acq: 20 Nov 2018 19:26

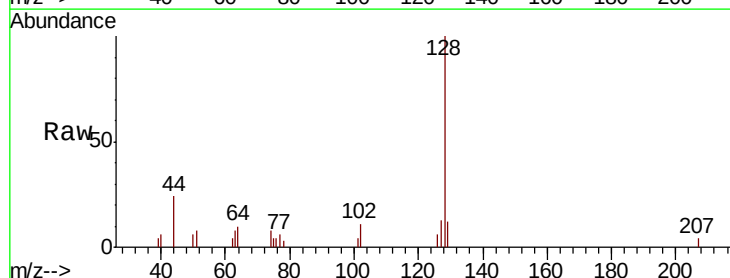
Tgt Ion:128 Resp: 5442

Ion Ratio Lower Upper

128 100

127 8.7 9.4 14.0#

129 9.8 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

