

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112018\
 Data File : VV008680.D
 Acq On : 20 Nov 2018 17:50
 Operator : SY/MD
 Sample : J5997-06 20X
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 E3YA4

Quant Time: Nov 21 01:36:34 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	274213	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	248984	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	110476	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	84393	43.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.26%
7) Chloroethane-d5	1.56	69	39102	37.00	ug/L	-0.03
Spiked Amount	50.000	Range	70 - 130	Recovery	=	74.00%
11) 1,1-Dichloroethene-d2	2.13	63	111709	34.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.98%
21) 2-Butanone-d5	4.09	46	293	0.19	ug/L	0.15
Spiked Amount	100.000	Range	40 - 130	Recovery	=	0.19%#
24) Chloroform-d	4.41	84	172459	44.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.04%
26) 1,2-Dichloroethane-d4	5.08	65	117786	47.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.00%
32) Benzene-d6	5.10	84	368838	47.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.24%
36) 1,2-Dichloropropane-d6	6.12	67	117517	48.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	97.08%
41) Toluene-d8	7.36	98	325963	46.89	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.78%
43) trans-1,3-Dichloropropene-	7.67	79	43917	40.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.12%
47) 2-Hexanone-d5	8.14	63	104979	95.90	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.90%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	148646	45.01	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.02%
64) 1,2-Dichlorobenzene-d4	11.68	152	117827	48.86	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.72%

Target Compounds

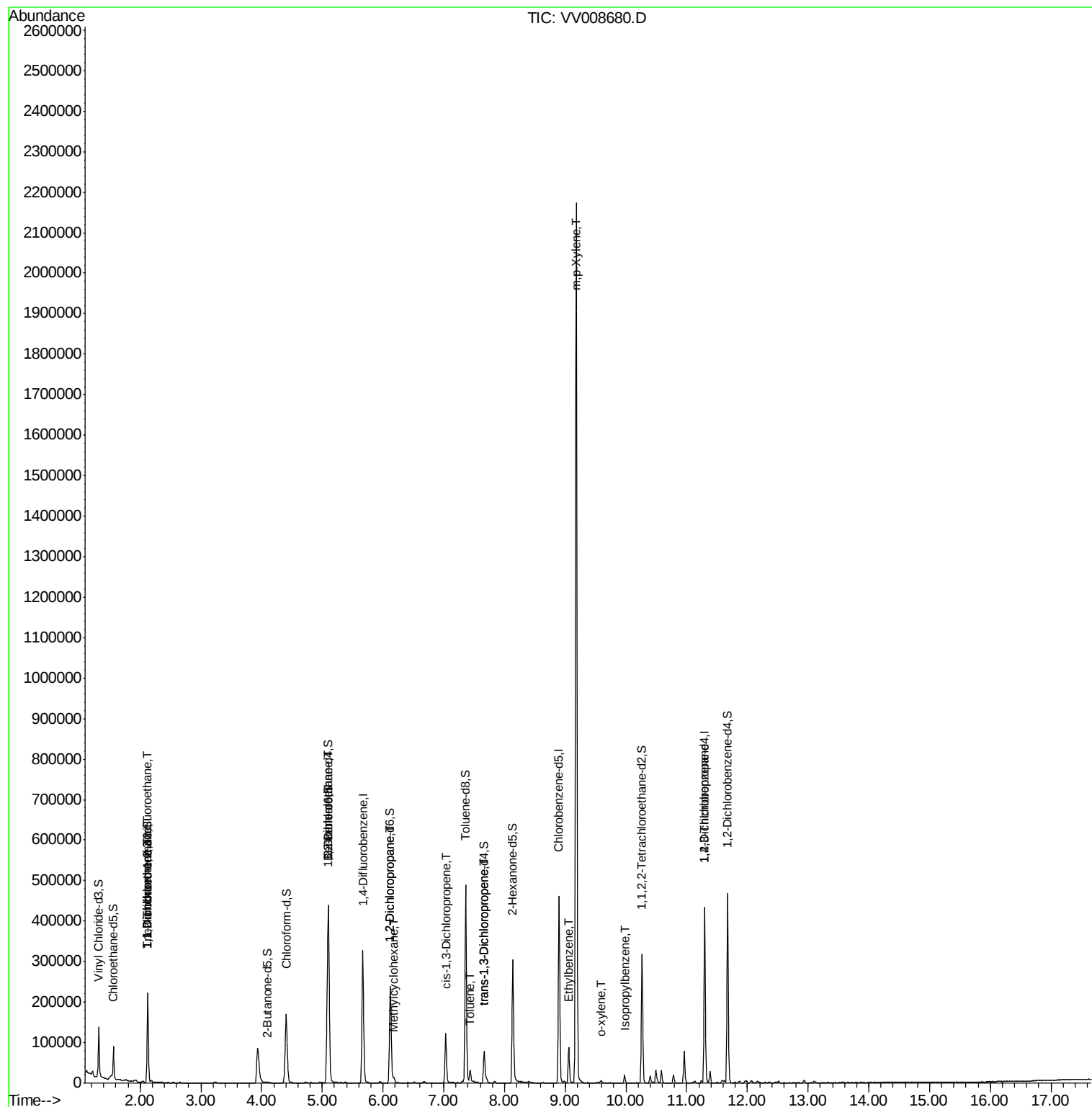
					Qvalue
9) Trichlorofluoromethane	2.12	101	1166	0.434 ug/L #	19
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	1166	0.752 ug/L #	17
12) 1,1-Dichloroethene	2.12	96	1086	0.780 ug/L #	1
27) 1,2-Dichloroethane	5.10	62	2192	0.734 ug/L #	74
35) Methylcyclohexane	6.17	83	3521	1.005 ug/L #	55
37) 1,2-Dichloropropane	6.12	63	12260	5.670 ug/L #	94
39) cis-1,3-Dichloropropene	7.03	75	2958	0.963 ug/L #	47
42) Toluene	7.43	91	22486	2.701 ug/L	94
44) trans-1,3-Dichloropropene	7.66	75	2090	0.748 ug/L	91
52) Ethylbenzene	9.06	91	60897	6.668 ug/L	100
53) m,p-Xylene	9.18	106	583447	173.841 ug/L	91
54) o-xylene	9.59	106	1693	0.507 ug/L	93
56) Isopropylbenzene	9.98	105	12261	1.397 ug/L	97
59) 1,2,3-Trichloropropane	11.30	75	13653	4.985 ug/L	90

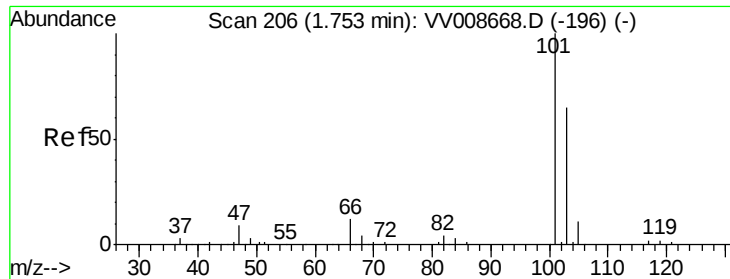
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Wed Nov 21 01:28:05 2018
Response via : Initial Calibration





#9

Trichlorofluoromethane

Concen: 0.434 ug/L

RT: 2.12 min Scan# 321

Delta R.T. 0.35 min

Lab File: VV008680.D

Acq: 20 Nov 2018 17:50

Instrument :

MSVOA_V

ClientSampleId :

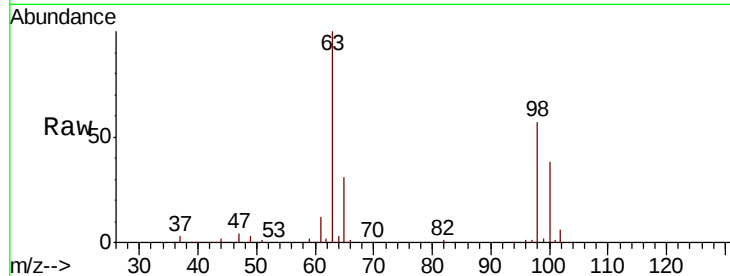
E3YA4

Tgt Ion:101 Resp: 1166

Ion Ratio Lower Upper

101 100

103 0.0 50.2 75.4#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

2.12

800

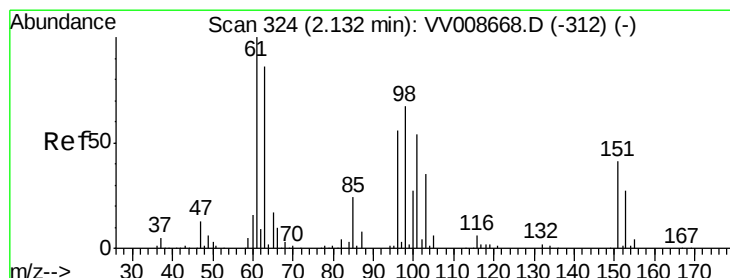
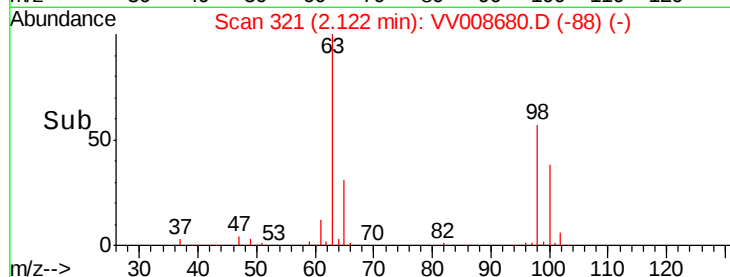
600

400

200

0

Time-->



#10

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

Concen: 0.752 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.02 min

Lab File: VV008680.D

Acq: 20 Nov 2018 17:50

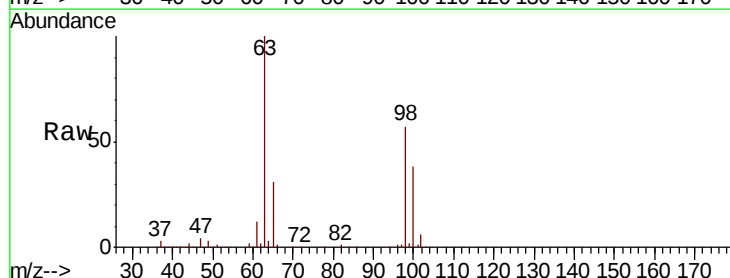
Tgt Ion:101 Resp: 1166

Ion Ratio Lower Upper

101 100

85 0.0 37.0 55.6#

151 0.0 63.8 95.8#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V

1000

800

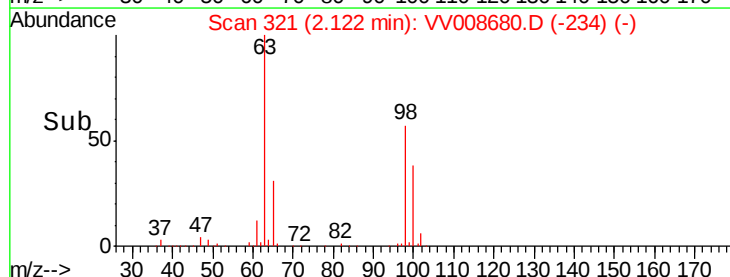
600

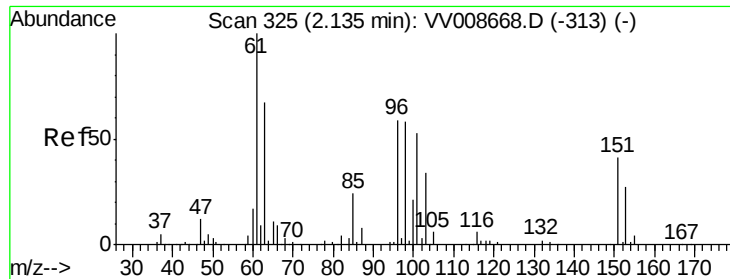
400

200

0

Time-->





#12

1,1-Dichloroethene

Concen: 0.780 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.02 min

Lab File: VV008680.D

Acq: 20 Nov 2018 17:50

Instrument :

MSVOA_V

ClientSampleId :

E3YA4

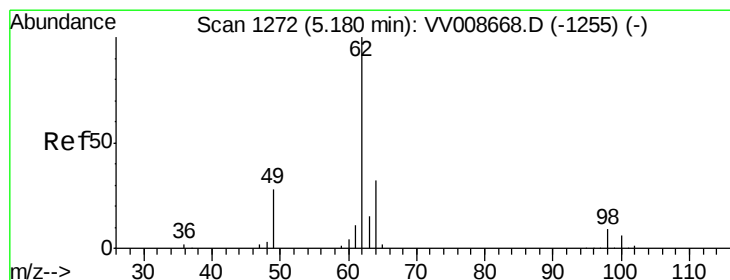
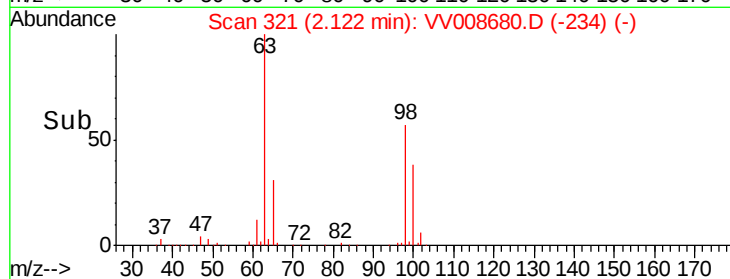
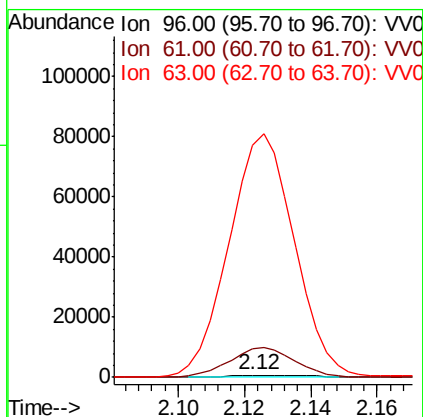
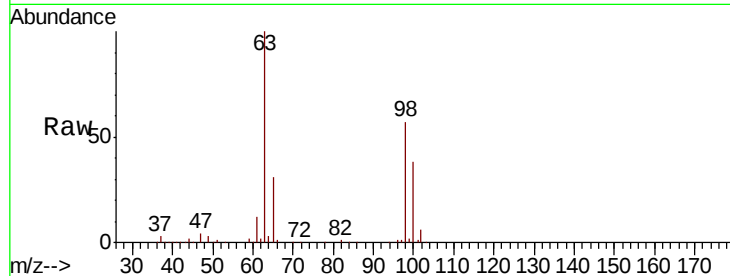
Tgt Ion: 96 Resp: 1086

Ion Ratio Lower Upper

96 100

61 1466.3 120.3 223.3#

63 11916.2 113.3 210.5#



#27

1,2-Dichloroethane

Concen: 0.734 ug/L

RT: 5.10 min Scan# 1246

Delta R.T. -0.09 min

Lab File: VV008680.D

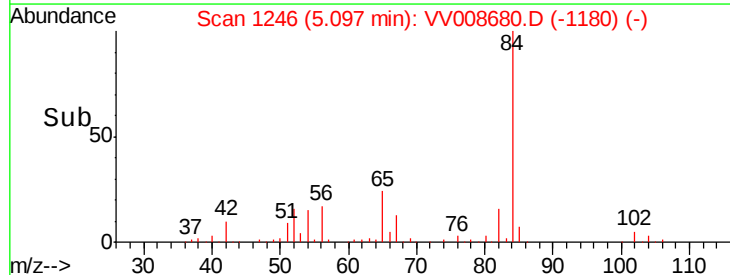
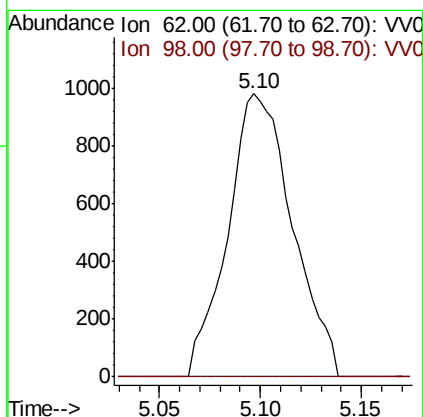
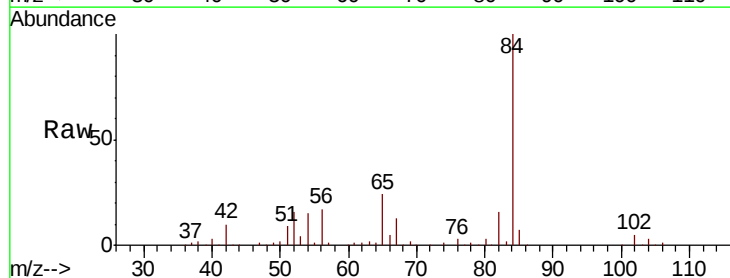
Acq: 20 Nov 2018 17:50

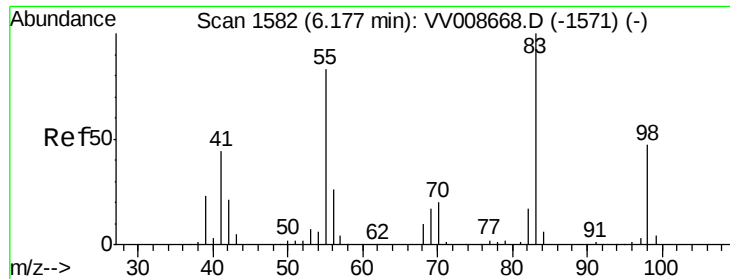
Tgt Ion: 62 Resp: 2192

Ion Ratio Lower Upper

62 100

98 0.0 7.4 11.2#

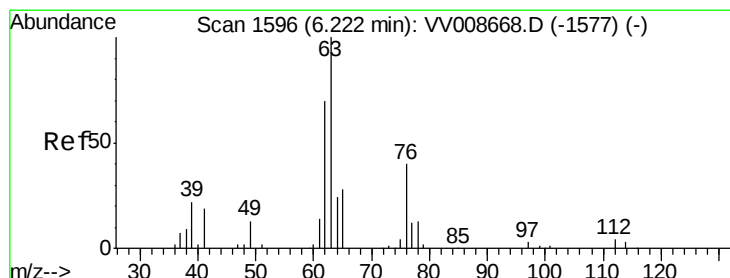
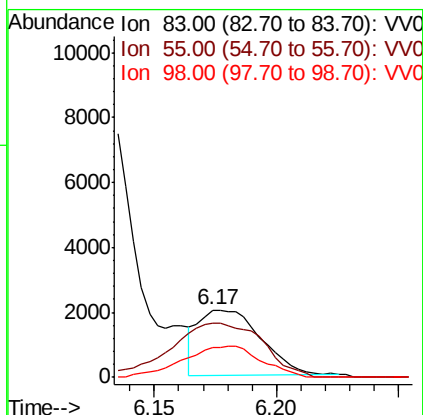
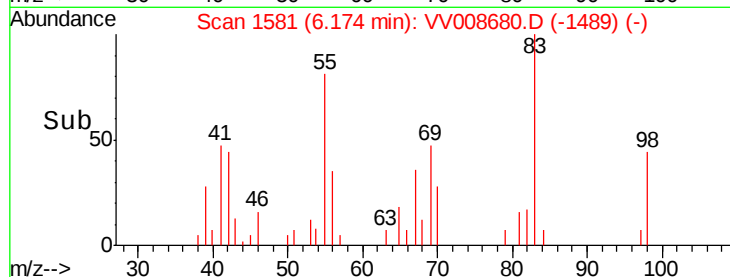
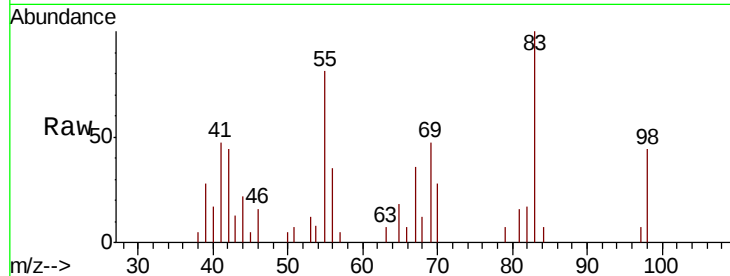




#35
Methylcyclohexane
Concen: 1.005 ug/L
RT: 6.17 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VV008680.D
Acq: 20 Nov 2018 17:50

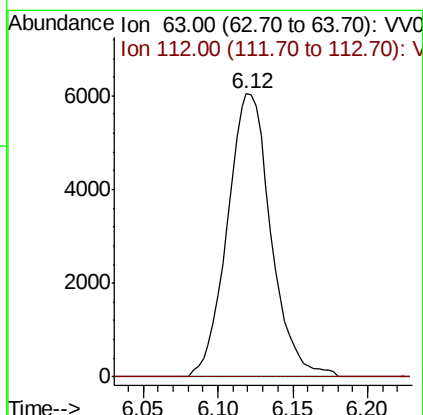
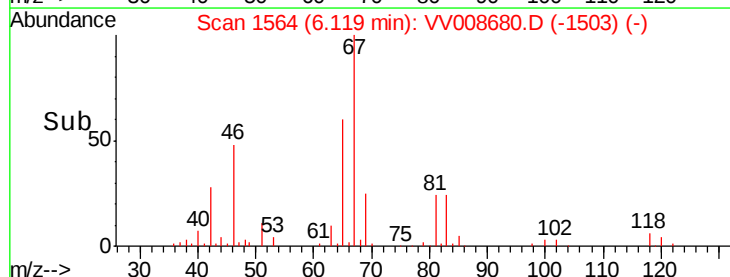
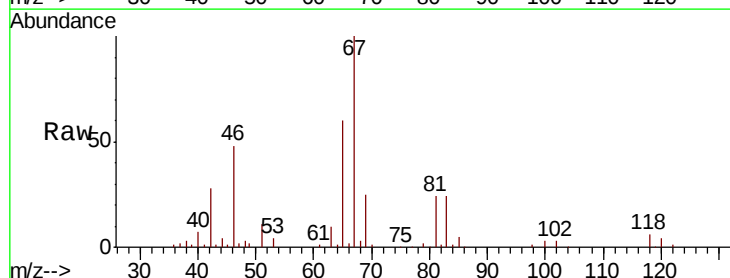
Instrument :
MSVOA_V
ClientSampleId :
E3YA4

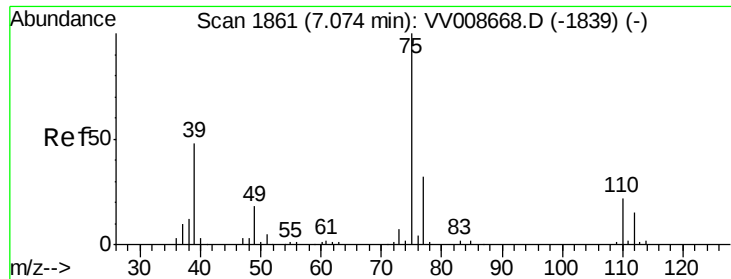
Tgt Ion: 83 Resp: 3521
Ion Ratio Lower Upper
83 100
55 128.0 63.0 94.6#
98 60.9 35.4 53.0#



#37
1,2-Dichloropropane
Concen: 5.670 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.10 min
Lab File: VV008680.D
Acq: 20 Nov 2018 17:50

Tgt Ion: 63 Resp: 12260
Ion Ratio Lower Upper
63 100
112 0.0 1.6 2.4#

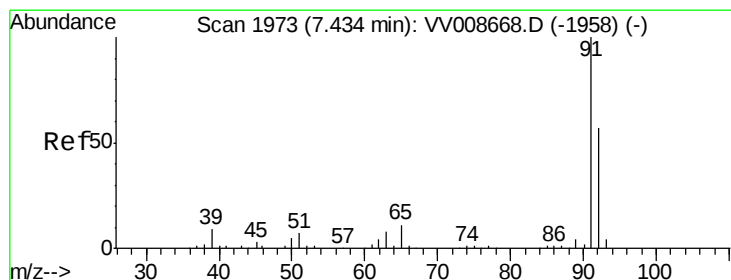
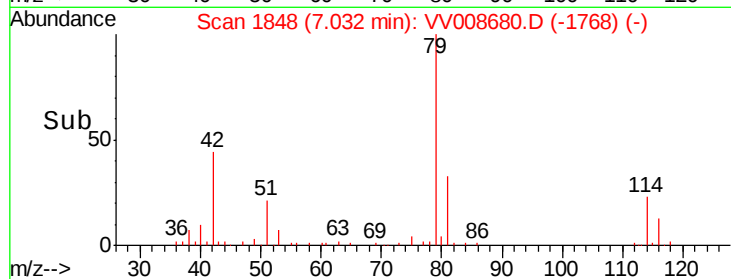
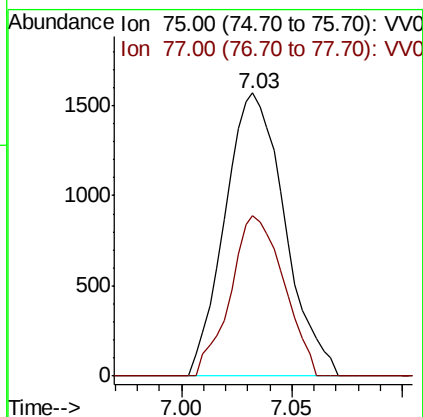
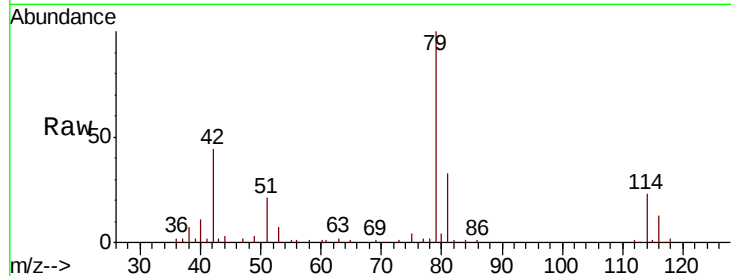




#39
 cis-1,3-Dichloropropene
 Concen: 0.963 ug/L
 RT: 7.03 min Scan# 1848
 Delta R.T. -0.04 min
 Lab File: VV008680.D
 Acq: 20 Nov 2018 17:50

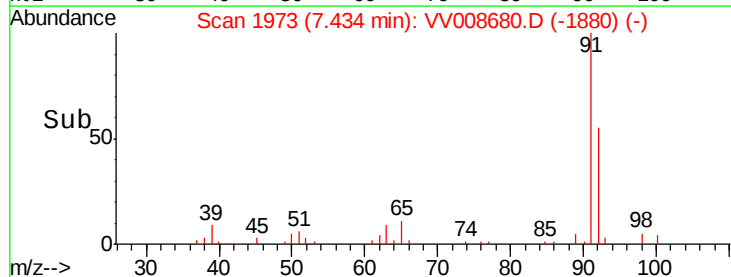
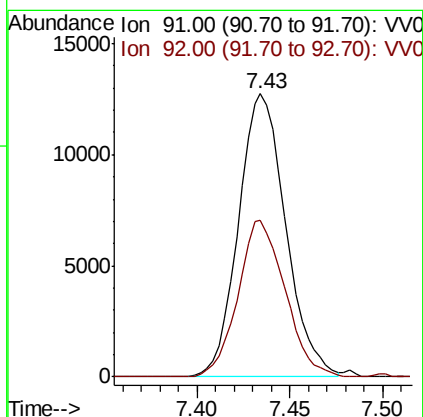
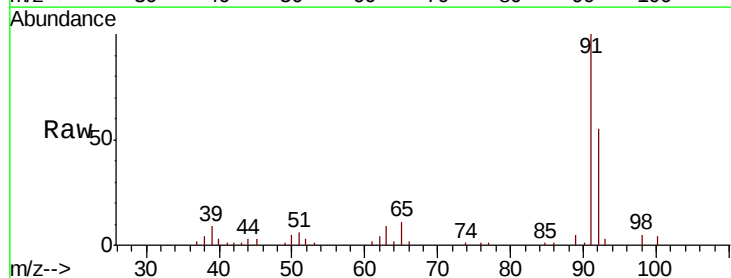
Instrument :
 MSVOA_V
 ClientSampleId :
 E3YA4

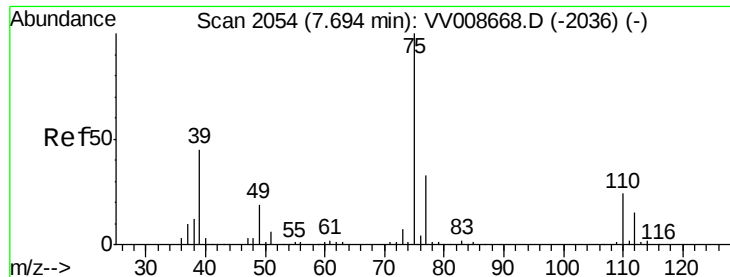
Tgt Ion: 75 Resp: 2958
 Ion Ratio Lower Upper
 75 100
 77 56.9 20.2 37.4#



#42
 Toluene
 Concen: 2.701 ug/L
 RT: 7.43 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VV008680.D
 Acq: 20 Nov 2018 17:50

Tgt Ion: 91 Resp: 22486
 Ion Ratio Lower Upper
 91 100
 92 55.2 41.6 77.2





#44

trans-1,3-Dichloropropene

Concen: 0.748 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV008680.D

Acq: 20 Nov 2018 17:50

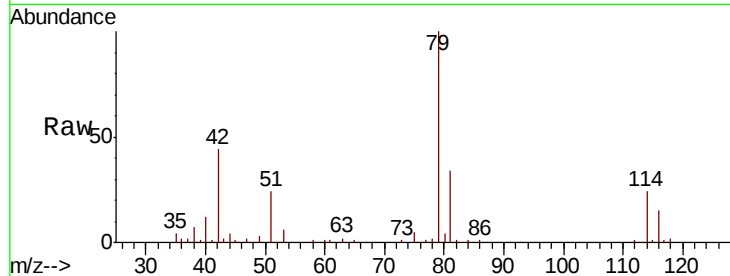
Instrument :
MSVOA_V
ClientSampleId :
E3YA4

Tgt Ion: 75 Resp: 2090

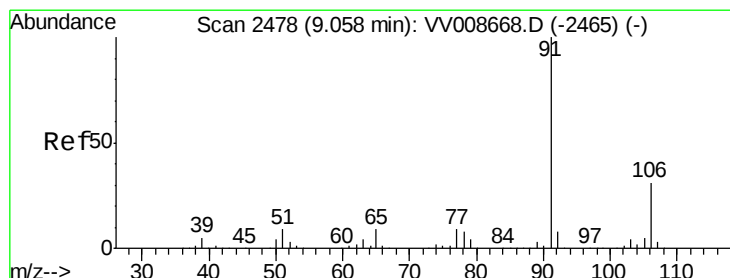
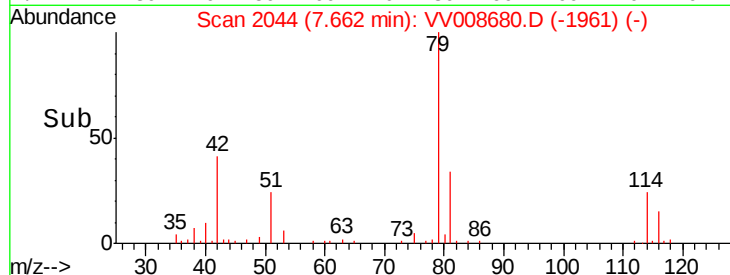
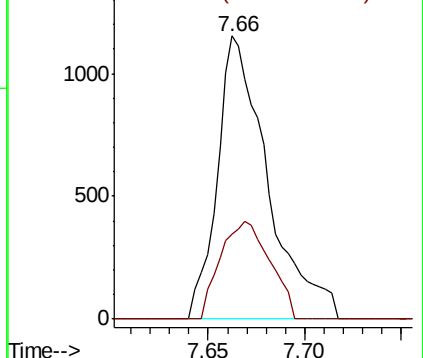
Ion Ratio Lower Upper

75 100

77 30.0 24.6 45.8



Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0



#52

Ethylbenzene

Concen: 6.668 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008680.D

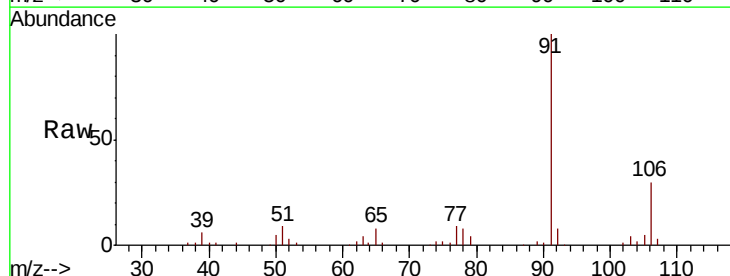
Acq: 20 Nov 2018 17:50

Tgt Ion: 91 Resp: 60897

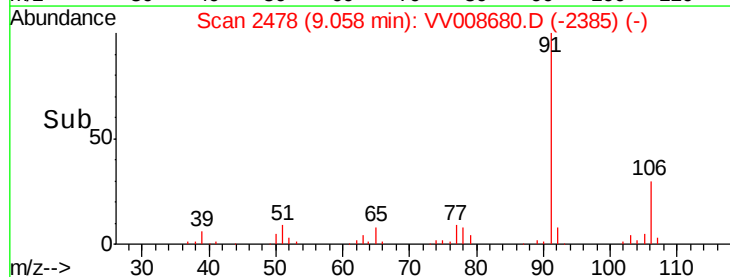
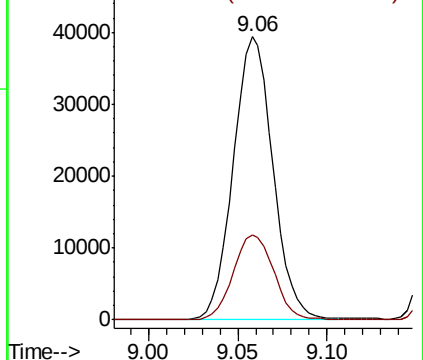
Ion Ratio Lower Upper

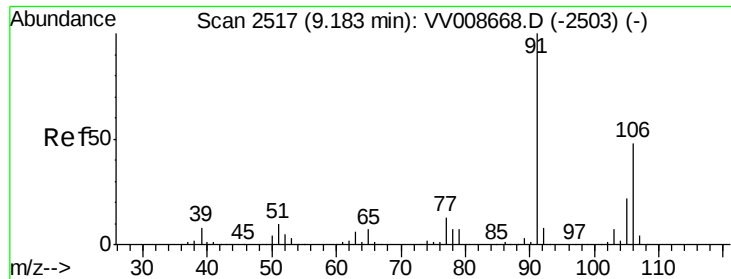
91 100

106 30.2 21.2 39.4



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





#53

m,p-Xylene

Concen: 173.841 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV008680.D

Acq: 20 Nov 2018 17:50

Instrument :

MSVOA_V

ClientSampled :

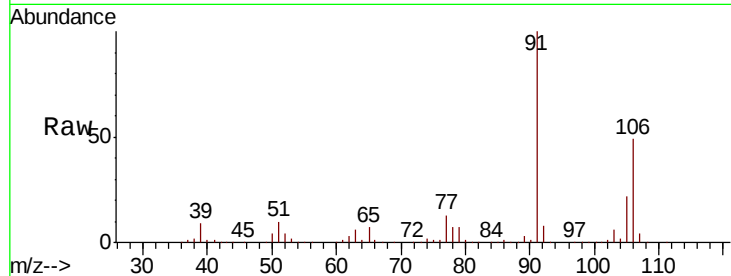
E3YA4

Tgt Ion:106 Resp: 583447

Ion Ratio Lower Upper

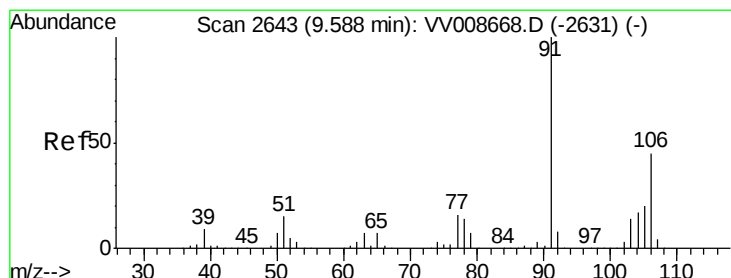
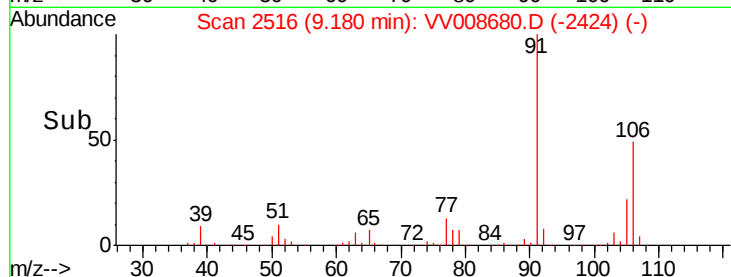
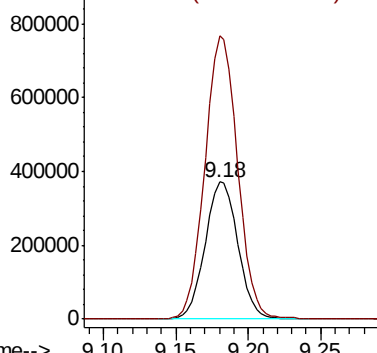
106 100

91 206.2 154.7 287.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 0.507 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV008680.D

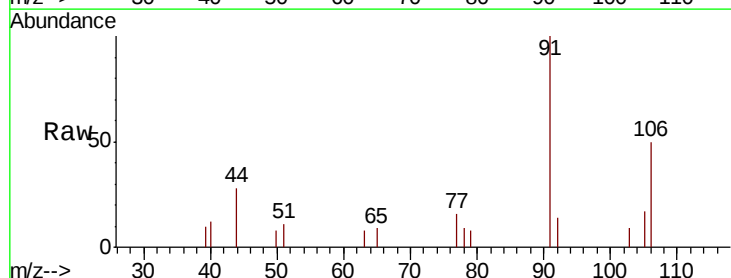
Acq: 20 Nov 2018 17:50

Tgt Ion:106 Resp: 1693

Ion Ratio Lower Upper

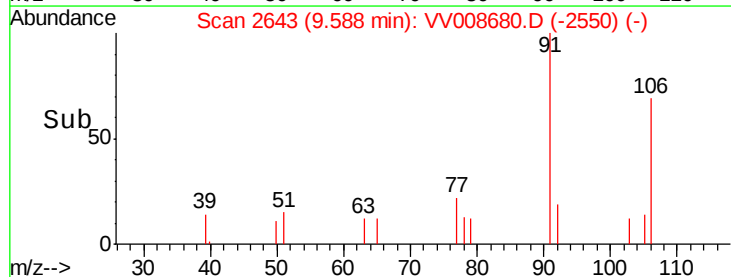
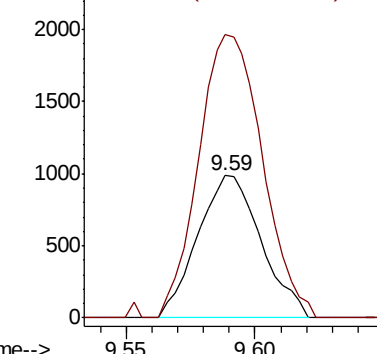
106 100

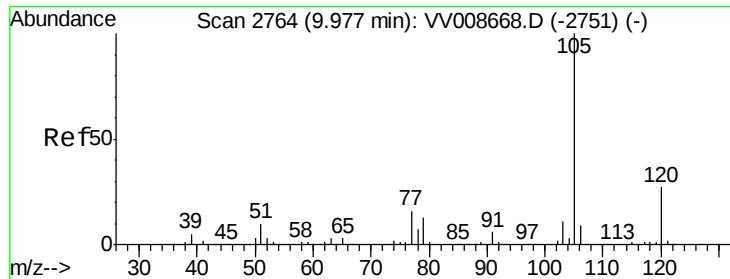
91 199.3 146.7 272.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0





#56

Isopropylbenzene

Concen: 1.397 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008680.D

Acq: 20 Nov 2018 17:50

Instrument :

MSVOA_V

ClientSampleId :

E3YA4

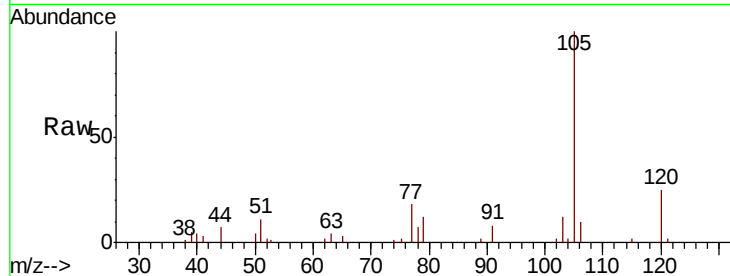
Tgt Ion:105 Resp: 12261

Ion Ratio Lower Upper

105 100

120 24.8 20.5 30.7

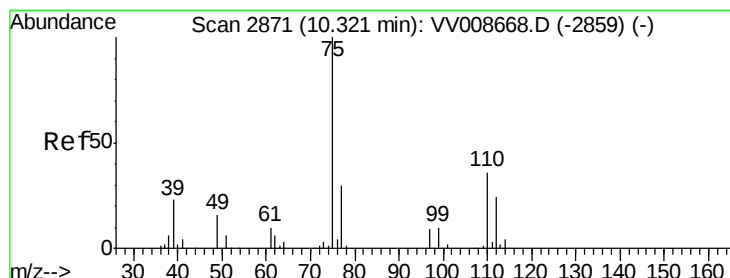
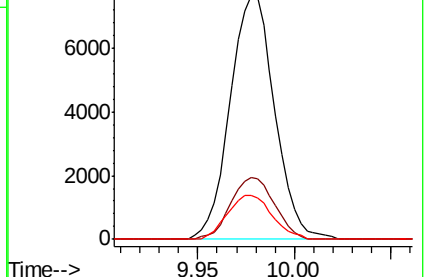
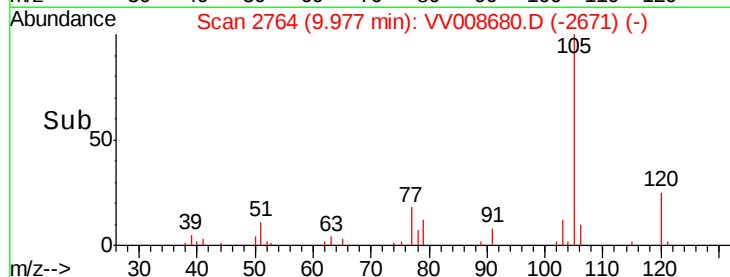
77 18.1 12.8 19.2



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



#59

1,2,3-Trichloropropane

Concen: 4.985 ug/L

RT: 11.30 min Scan# 3175

Delta R.T. 0.98 min

Lab File: VV008680.D

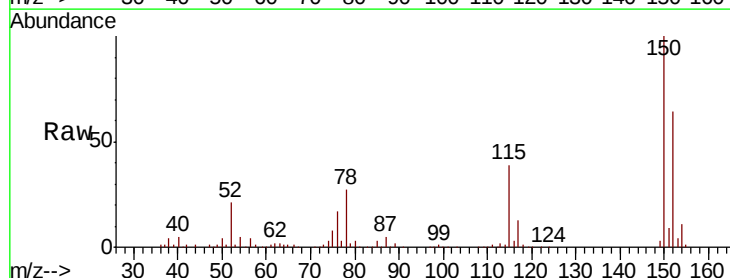
Acq: 20 Nov 2018 17:50

Tgt Ion: 75 Resp: 13653

Ion Ratio Lower Upper

75 100

77 38.2 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

