

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101019\
 Data File : VX012986.D
 Acq On : 10 Oct 2019 11:27
 Operator : JC/SP
 Sample : K5185-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-1

Quant Time: Oct 11 05:40:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	183366	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	302491	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	257348	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	109372	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	116627	50.89	ug/l	0.00
Spiked Amount			Recovery	=	101.78%	
35) Dibromofluoromethane	5.49	113	90522	52.14	ug/l	0.00
Spiked Amount			Recovery	=	104.28%	
50) Toluene-d8	8.71	98	356340	52.62	ug/l	0.00
Spiked Amount			Recovery	=	105.24%	
62) 4-Bromofluorobenzene	11.13	95	125982	47.88	ug/l	0.00
Spiked Amount			Recovery	=	95.76%	

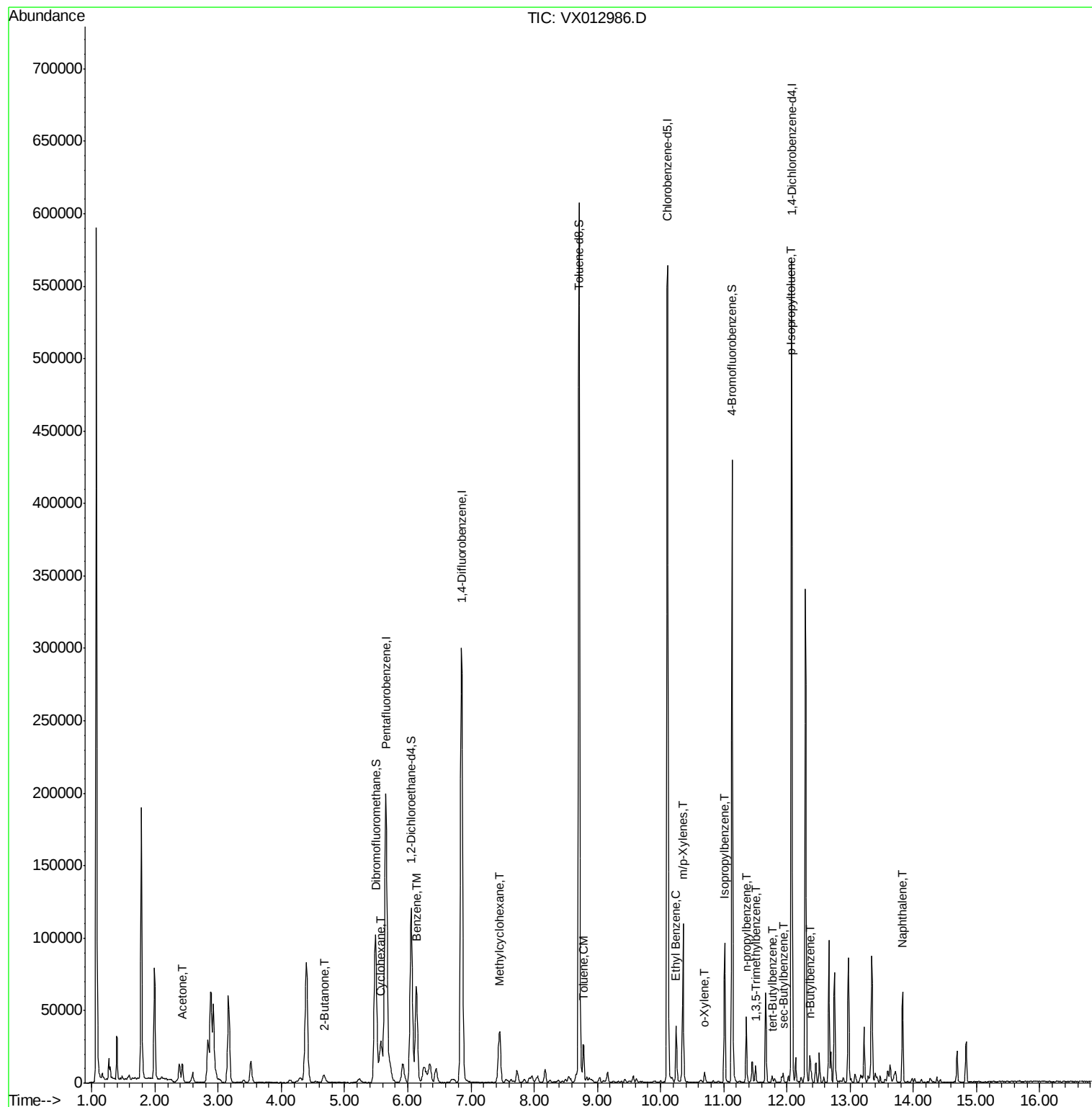
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.43	43	12852	10.639	ug/l	99
25) 2-Butanone	4.67	43	7782	4.643	ug/l	98
31) Cyclohexane	5.57	56	19716	5.927	ug/l	89
39) Methylcyclohexane	7.46	83	14592	4.524	ug/l	96
40) Benzene	6.14	78	80169	10.206	ug/l	98
52) Toluene	8.78	92	9259	1.843	ug/l	96
67) Ethyl Benzene	10.25	91	22632	2.493	ug/l	98
68) m/p-Xylenes	10.36	106	25150	7.416	ug/l	99
69) o-Xylene	10.70	106	1624	0.491	ug/l	96
73) Isopropylbenzene	11.01	105	48299	6.006	ug/l	98
78) n-propylbenzene	11.35	91	26998	3.051	ug/l	96
80) 1,3,5-Trimethylbenzene	11.50	105	4796	0.714	ug/l	97
83) tert-Butylbenzene	11.76	119	1782	0.272	ug/l	79
85) sec-Butylbenzene	11.94	105	3066	0.404	ug/l	98
86) p-Isopropyltoluene	12.06	119	1833	0.260	ug/l #	80
89) n-Butylbenzene	12.38	91	3685	0.623	ug/l #	48
95) Naphthalene	13.83	128	36879	4.923	ug/l	99

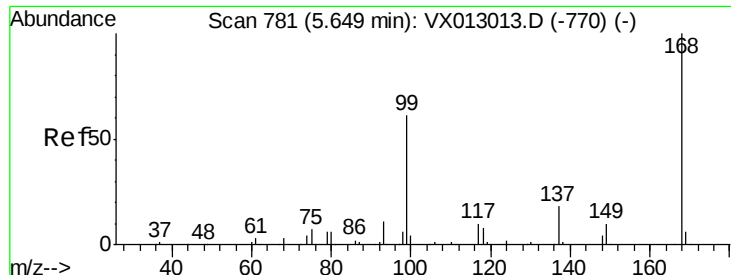
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX101019\
Data File : VX012986.D
Acq On : 10 Oct 2019 11:27
Operator : JC/SP
Sample : K5185-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
WC-1

Quant Time: Oct 11 05:40:10 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 09 01:51:23 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX012986.D

Acq: 10 Oct 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

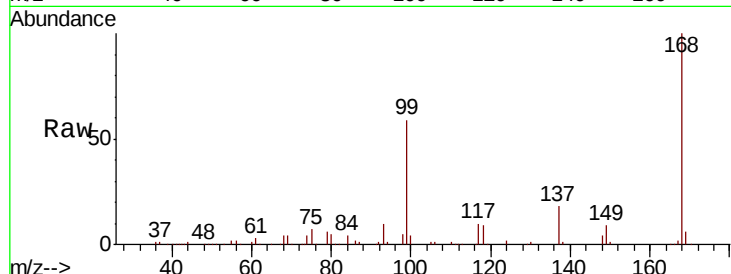
WC-1

Tot Ion:168 Resp: 183366

Ion Ratio Lower Upper

168 100

99 59.2 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

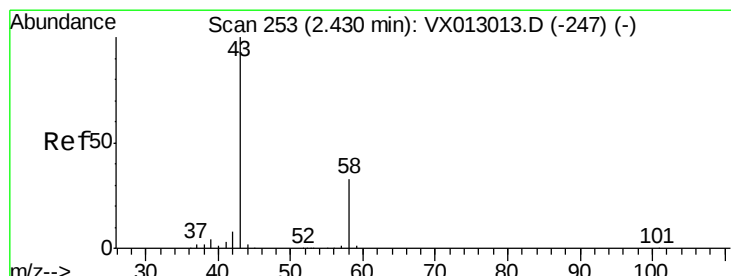
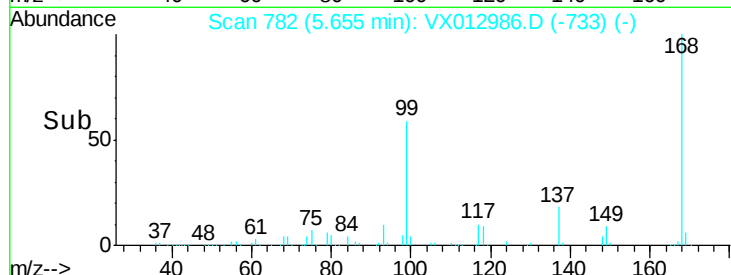
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 10.639 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012986.D

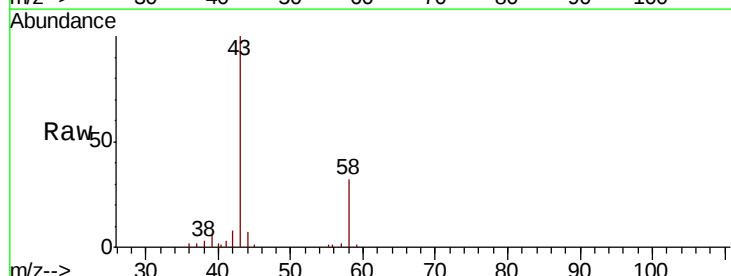
Acq: 10 Oct 2019 11:27

Tgt Ion: 43 Resp: 12852

Ion Ratio Lower Upper

43 100

58 32.5 25.4 38.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

8000

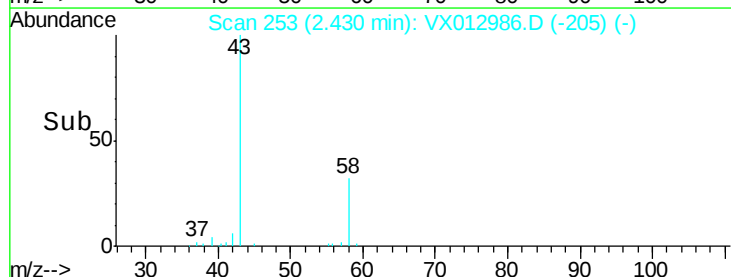
6000

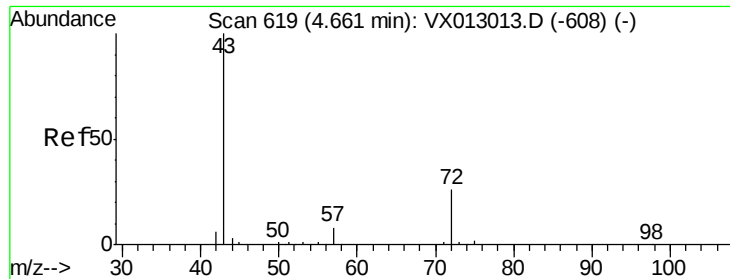
4000

2000

0

Time--> 2.40 2.45 2.50





#25

2-Butanone

Concen: 4.643 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.01 min

Lab File: VX012986.D

Acq: 10 Oct 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

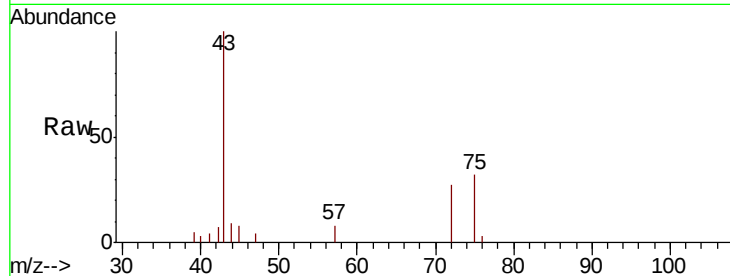
WC-1

Tot Ion: 43 Resp: 7782

Ion Ratio Lower Upper

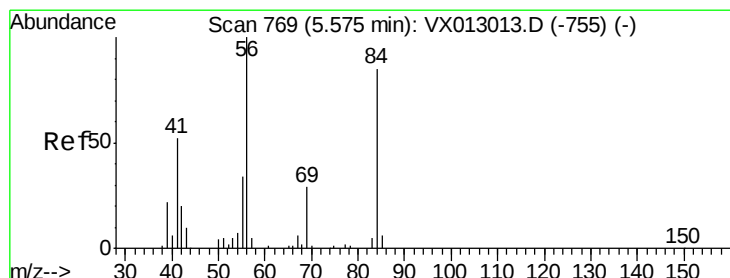
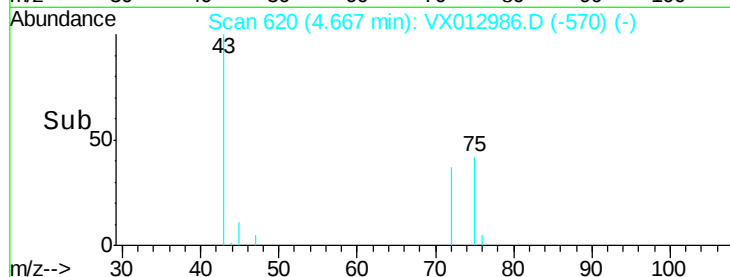
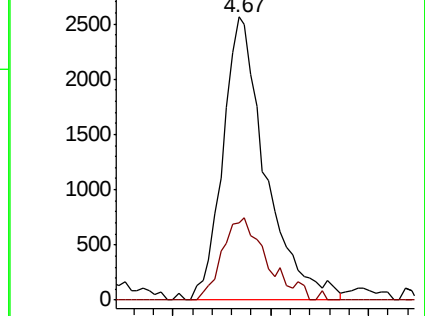
43 100

72 27.4 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 5.927 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX012986.D

Acq: 10 Oct 2019 11:27

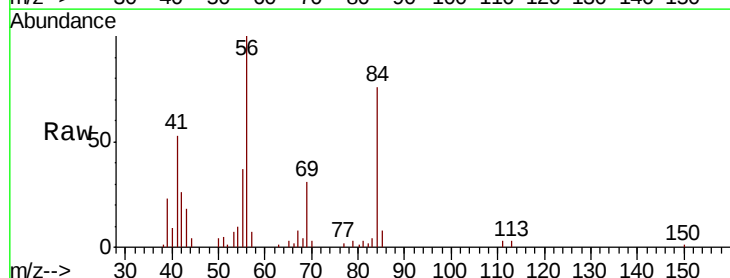
Tgt Ion: 56 Resp: 19716

Ion Ratio Lower Upper

56 100

69 29.0 25.2 37.8

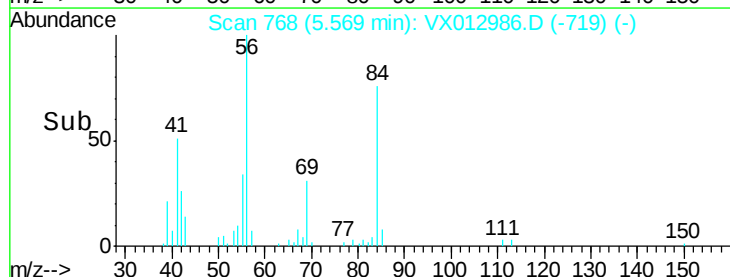
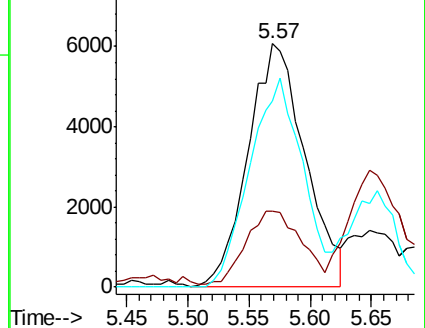
84 76.5 71.3 106.9

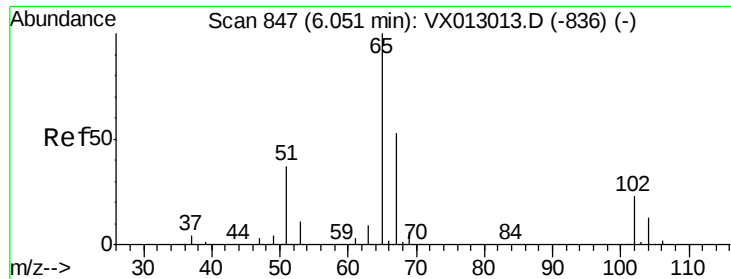


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

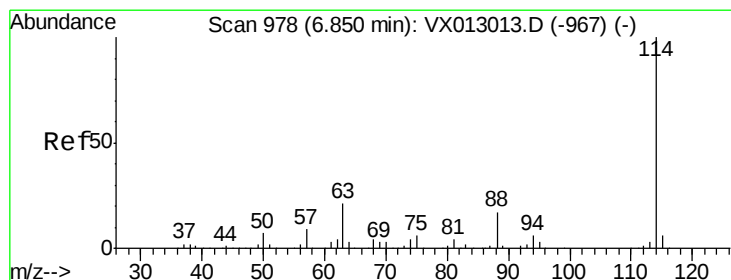
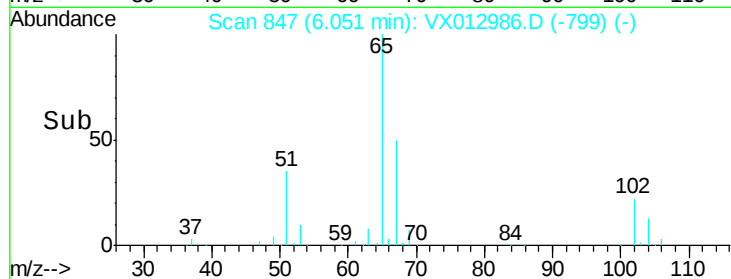
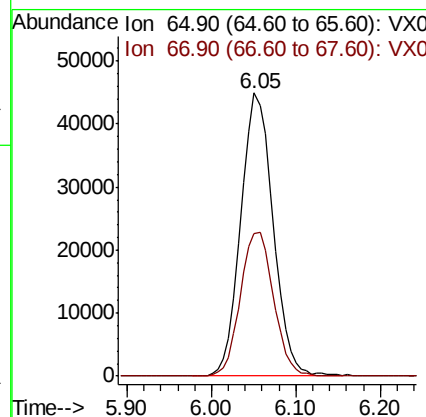
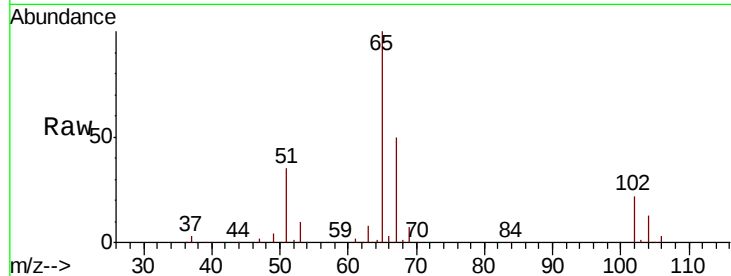




#33
 1,2-Dichloroethane-d4
 Concen: 50.888 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX012986.D
 Acq: 10 Oct 2019 11:27

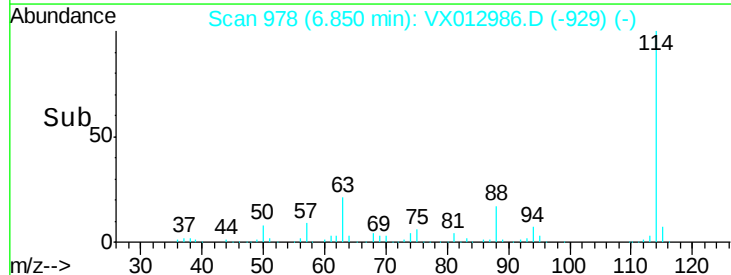
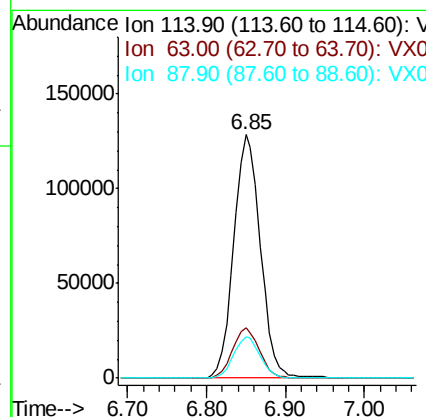
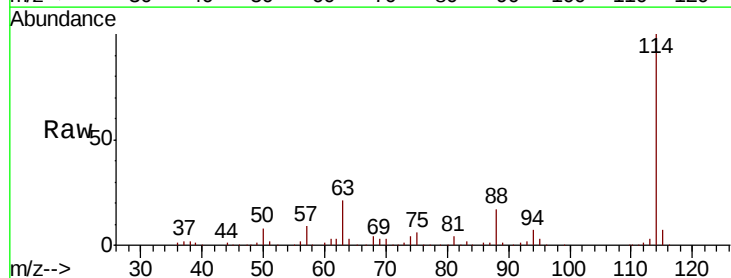
Instrument :
 MSVOA_X
 ClientSampled :
 WC-1

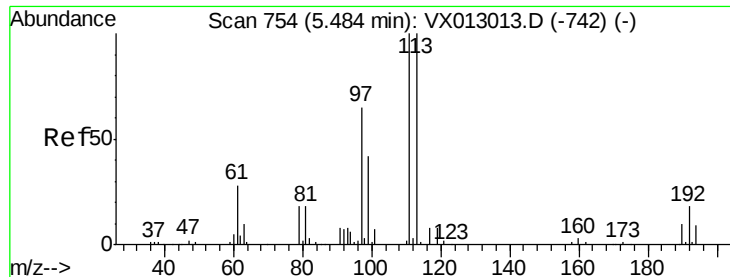
Tot Ion: 65 Resp: 116627
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012986.D
 Acq: 10 Oct 2019 11:27

Tgt Ion: 114 Resp: 302491
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 40.8
 88 17.0 0.0 33.8





#35

Dibromofluoromethane

Concen: 52.140 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012986.D

Acq: 10 Oct 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

WC-1

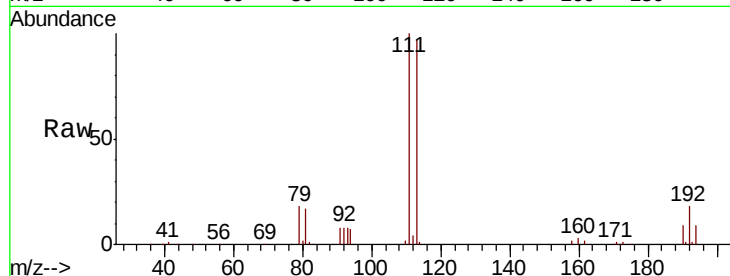
Tot Ion:113 Resp: 90522

Ion Ratio Lower Upper

113 100

111 101.0 83.2 124.8

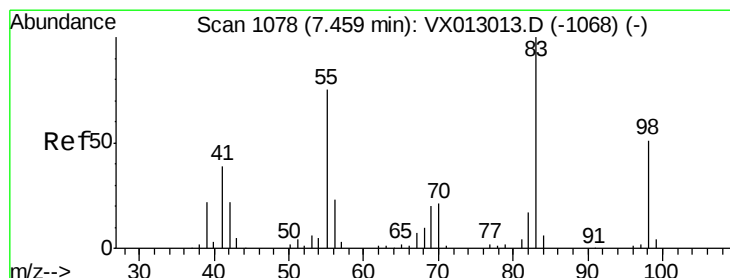
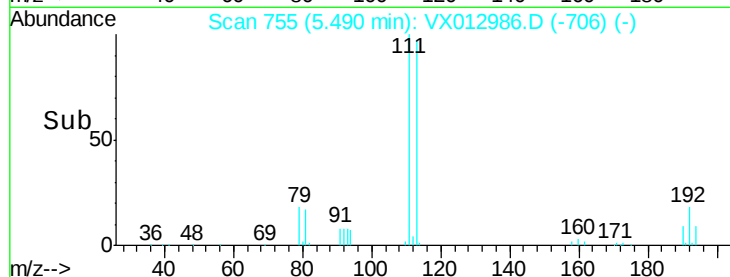
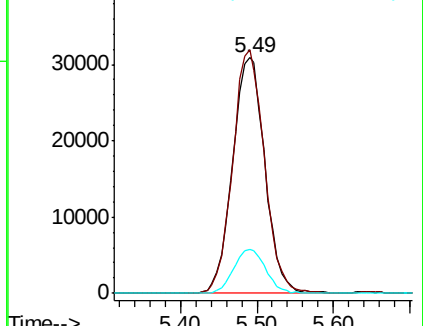
192 18.6 15.4 23.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#39

Methylcyclohexane

Concen: 4.524 ug/l

RT: 7.46 min Scan# 1078

Delta R.T. 0.00 min

Lab File: VX012986.D

Acq: 10 Oct 2019 11:27

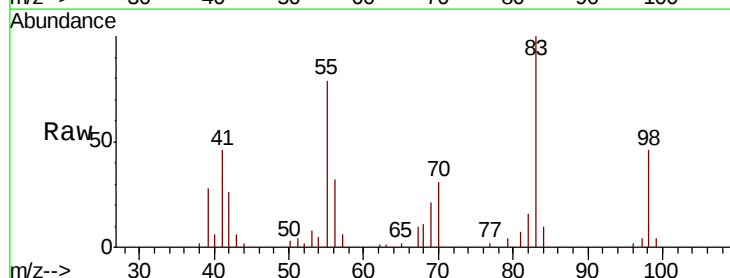
Tgt Ion: 83 Resp: 14592

Ion Ratio Lower Upper

83 100

55 78.9 60.2 90.4

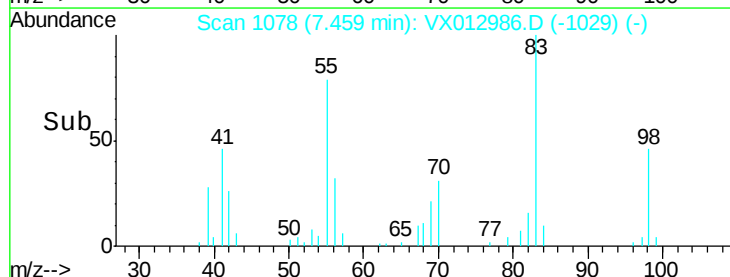
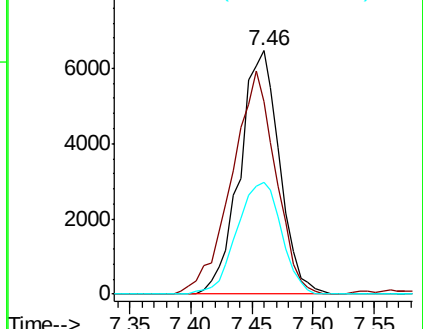
98 45.7 38.5 57.7

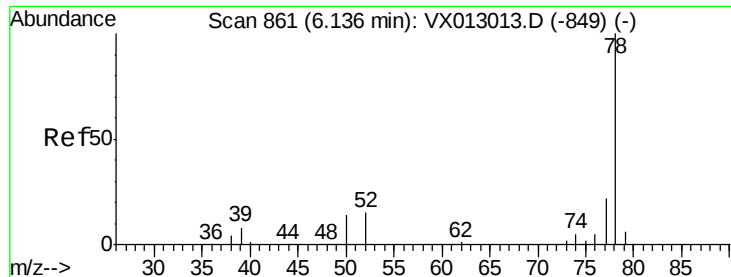


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

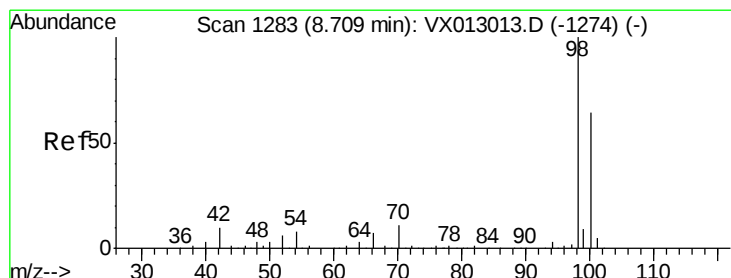
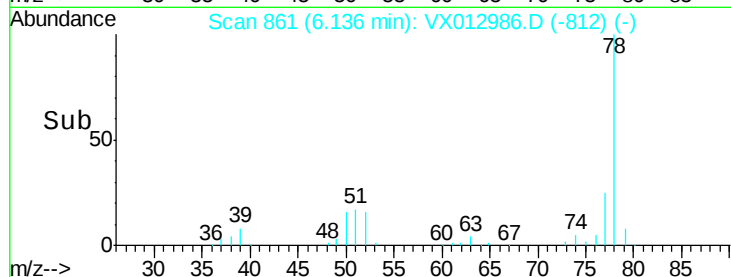
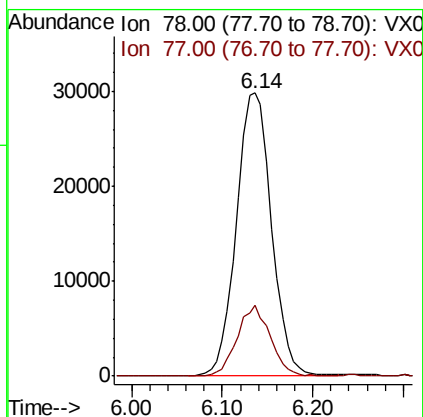
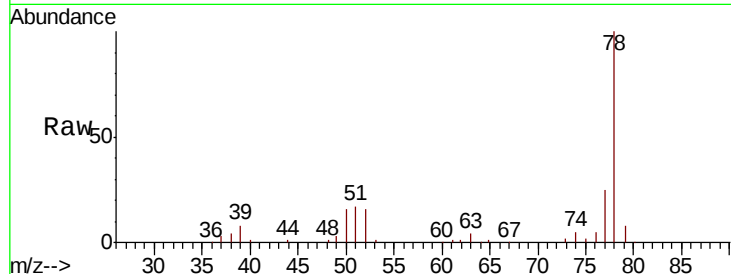




#40
Benzene
Concen: 10.206 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.00 min
Lab File: VX012986.D
Acq: 10 Oct 2019 11:27

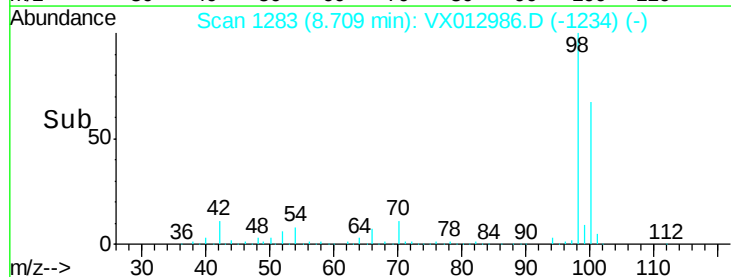
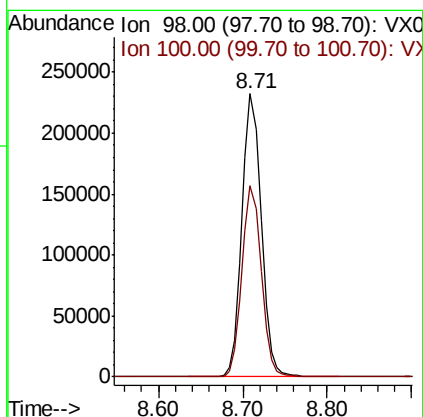
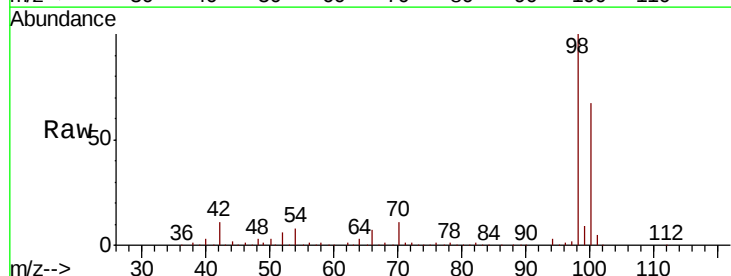
Instrument :
MSVOA_X
ClientSampleId :
WC-1

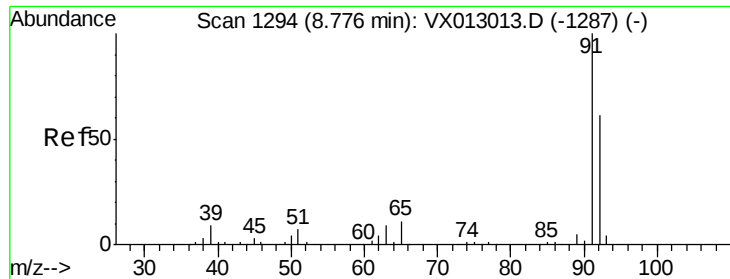
Tot Ion: 78 Resp: 80169
Ion Ratio Lower Upper
78 100
77 24.9 19.0 28.4



#50
Toluene-d8
Concen: 52.625 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012986.D
Acq: 10 Oct 2019 11:27

Tgt Ion: 98 Resp: 356340
Ion Ratio Lower Upper
98 100
100 67.5 53.4 80.2





#52

Toluene

Concen: 1.843 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX012986.D

Acq: 10 Oct 2019 11:27

Instrument :

MSVOA_X

ClientSampled :

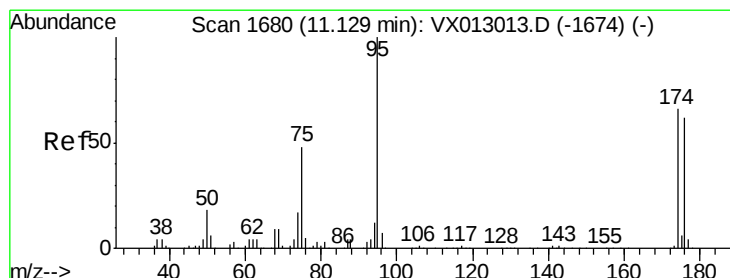
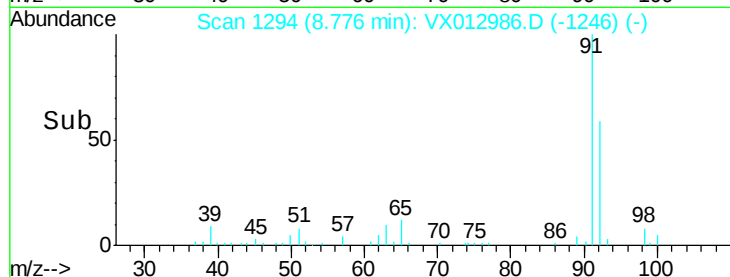
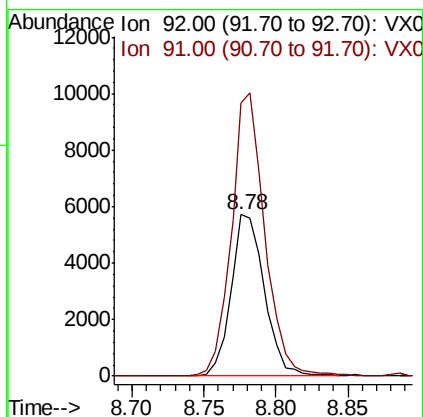
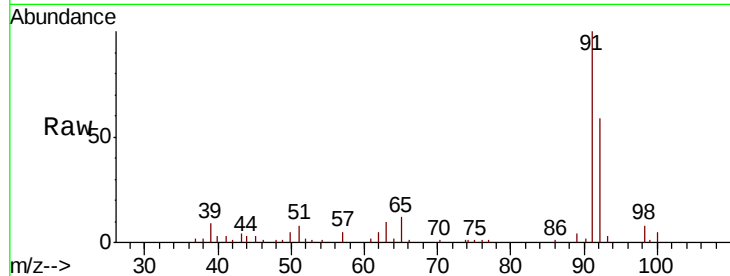
WC-1

Tot Ion: 92 Resp: 9259

Ion Ratio Lower Upper

92 100

91 174.7 135.9 203.9



#62

4-Bromofluorobenzene

Concen: 47.883 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012986.D

Acq: 10 Oct 2019 11:27

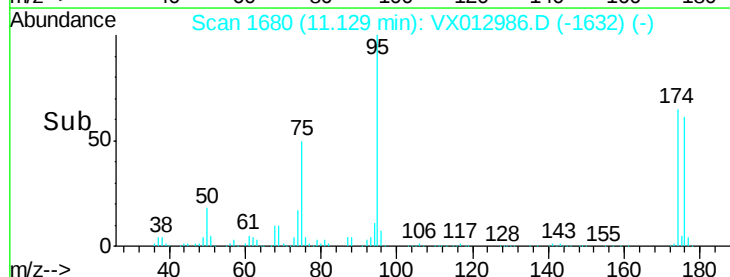
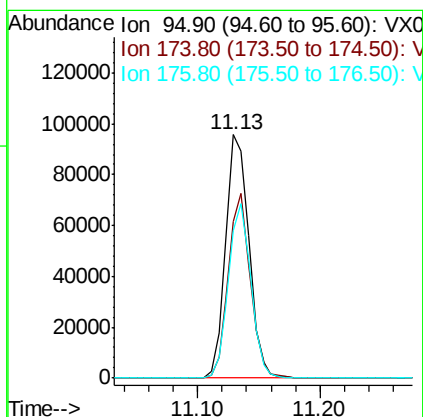
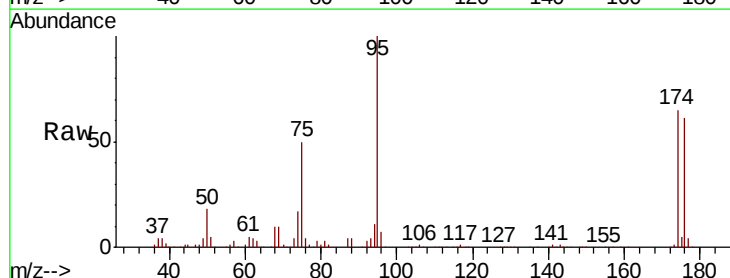
Tgt Ion: 95 Resp: 125982

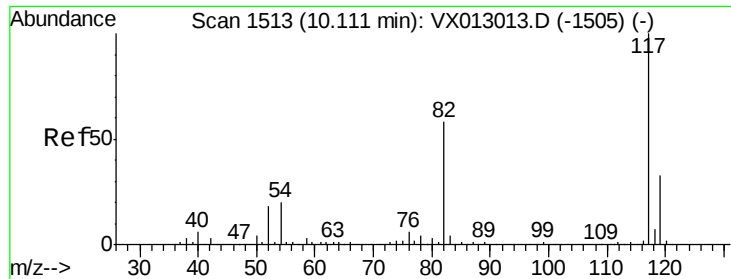
Ion Ratio Lower Upper

95 100

174 72.0 0.0 143.4

176 69.3 0.0 136.0

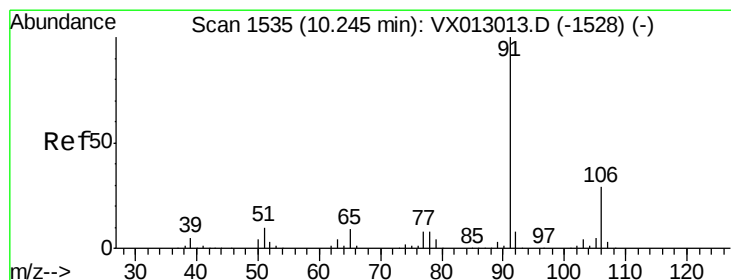
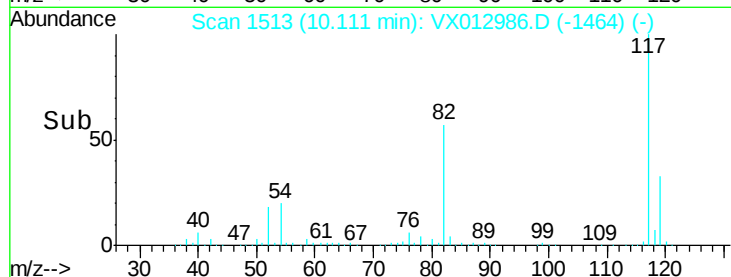
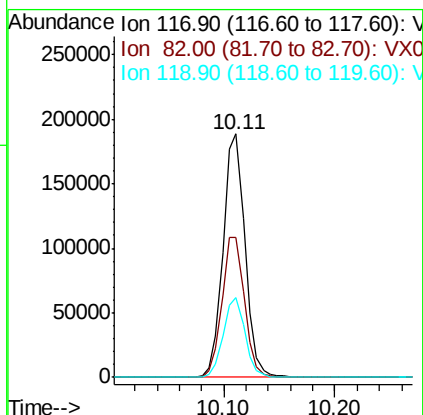
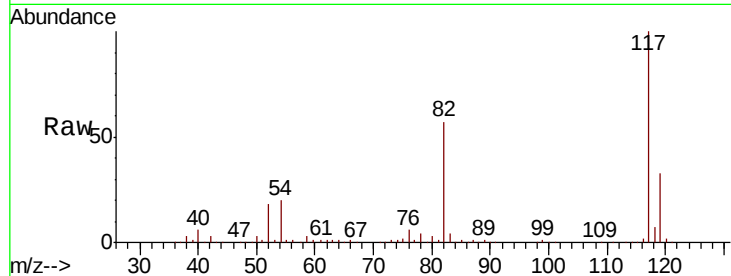




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012986.D
Acq: 10 Oct 2019 11:27

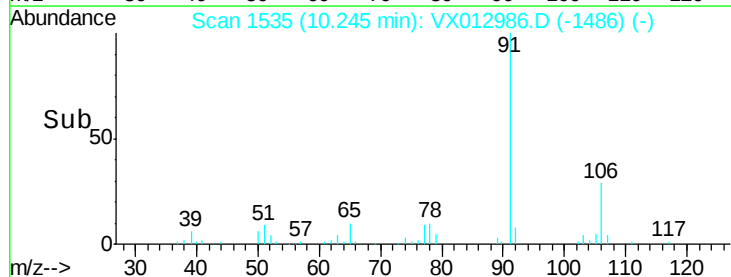
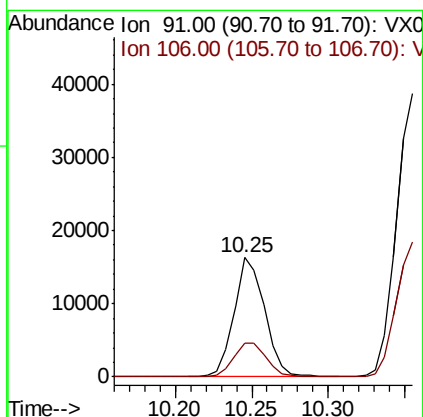
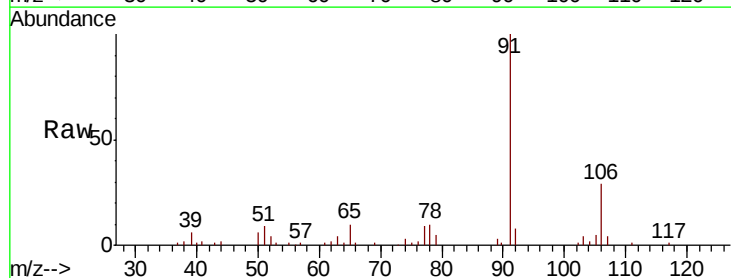
Instrument :
MSVOA_X
ClientSampled :
WC-1

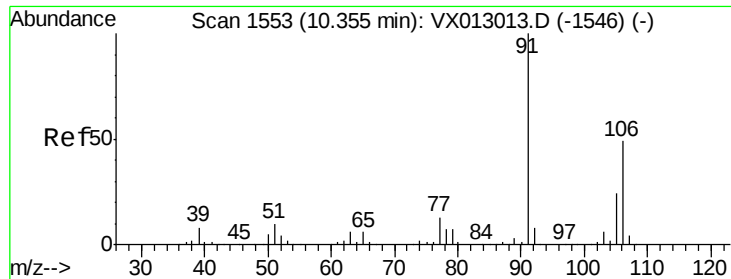
Tot Ion:117 Resp: 257348
Ion Ratio Lower Upper
117 100
82 57.2 44.1 66.1
119 32.5 25.8 38.8



#67
Ethyl Benzene
Concen: 2.493 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX012986.D
Acq: 10 Oct 2019 11:27

Tgt Ion: 91 Resp: 22632
Ion Ratio Lower Upper
91 100
106 28.7 23.9 35.9

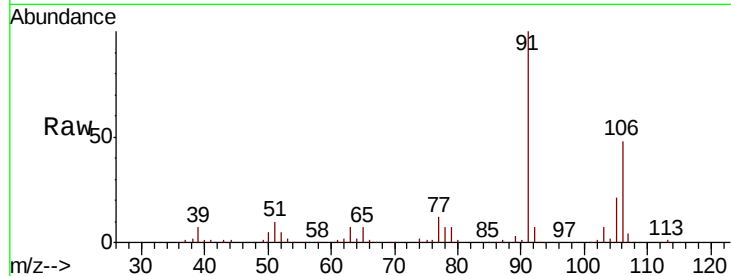




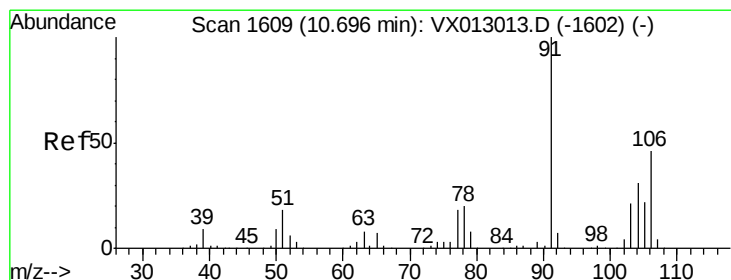
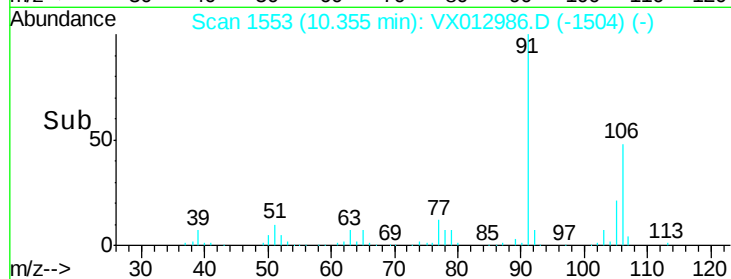
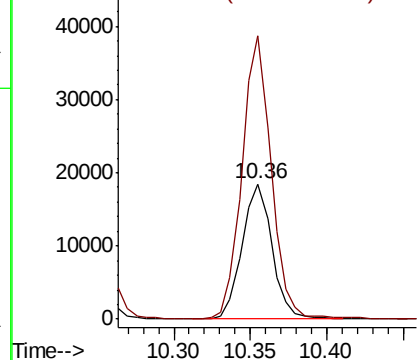
#68
m/p-Xylenes
Concen: 7.416 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012986.D
Acq: 10 Oct 2019 11:27

Instrument :
MSVOA_X
ClientSampled :
WC-1

Tot Ion:106 Resp: 25150
Ion Ratio Lower Upper
106 100
91 204.8 165.3 247.9

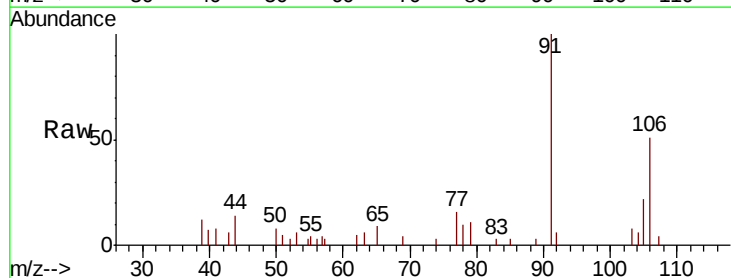


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

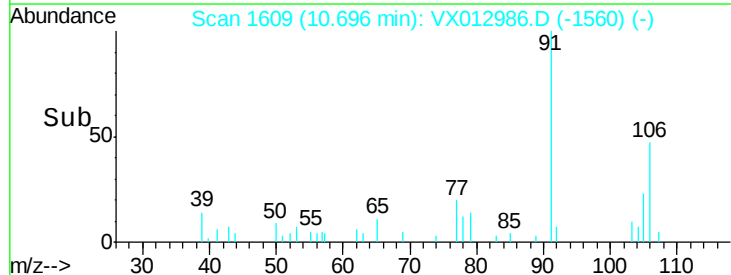
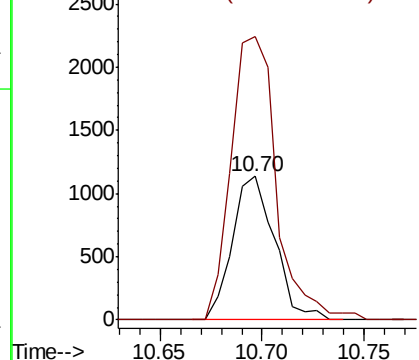


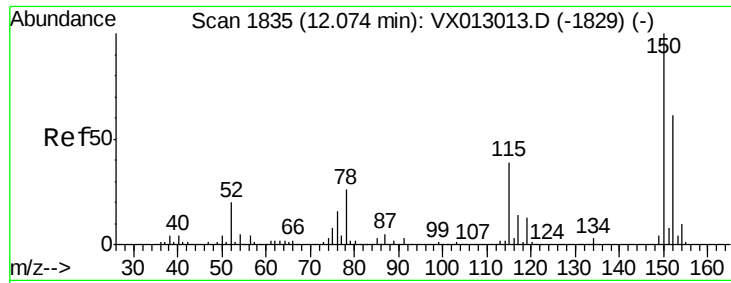
#69
o-Xylene
Concen: 0.491 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012986.D
Acq: 10 Oct 2019 11:27

Tgt Ion:106 Resp: 1624
Ion Ratio Lower Upper
106 100
91 212.1 109.1 327.3



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012986.D

Acq: 10 Oct 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

WC-1

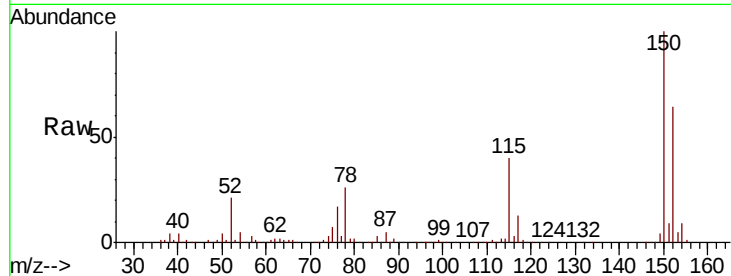
Tot Ion:152 Resp: 109372

Ion Ratio Lower Upper

152 100

115 63.9 44.5 133.5

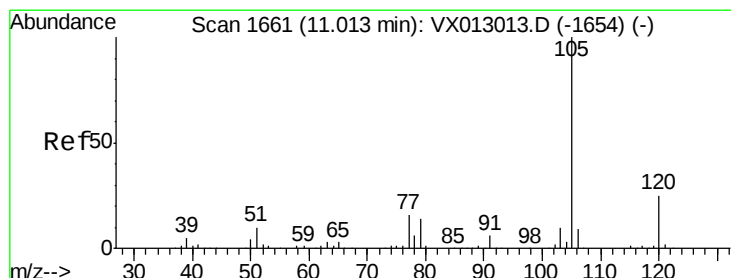
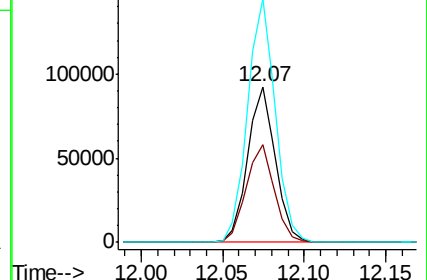
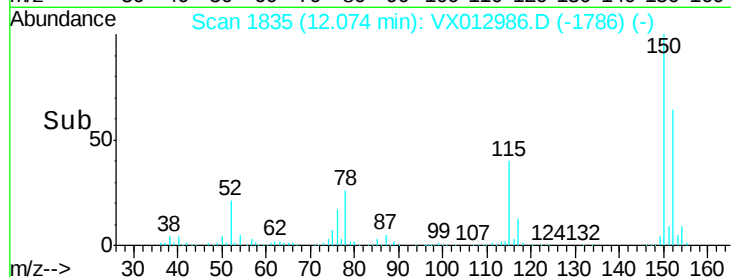
150 157.3 0.0 353.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 6.006 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012986.D

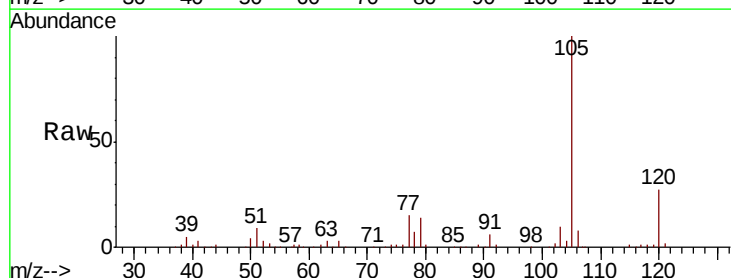
Acq: 10 Oct 2019 11:27

Tgt Ion:105 Resp: 48299

Ion Ratio Lower Upper

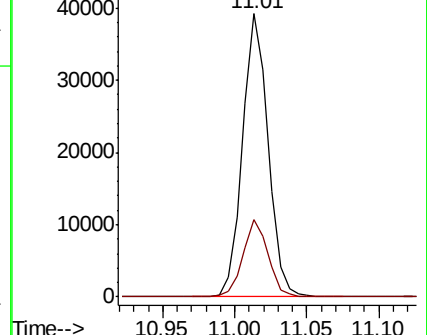
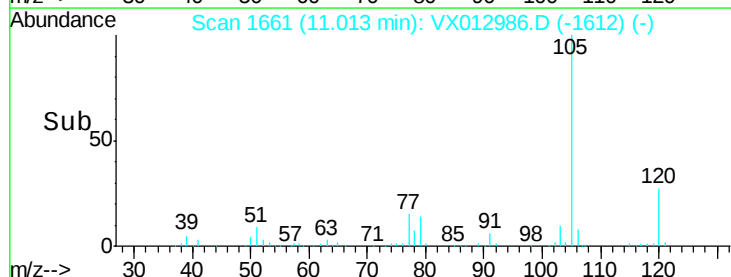
105 100

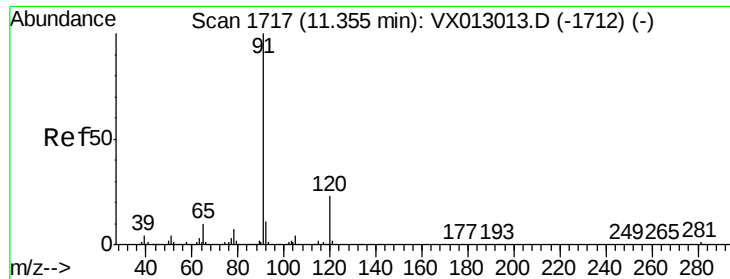
120 26.8 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 3.051 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012986.D

Acq: 10 Oct 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

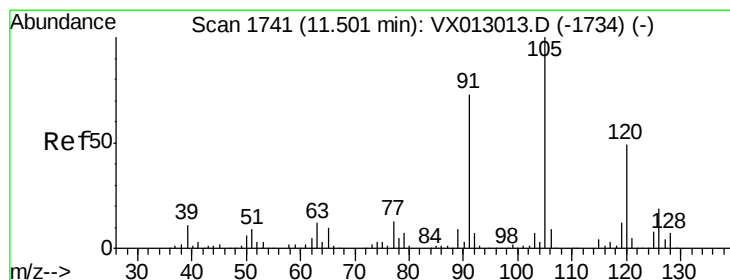
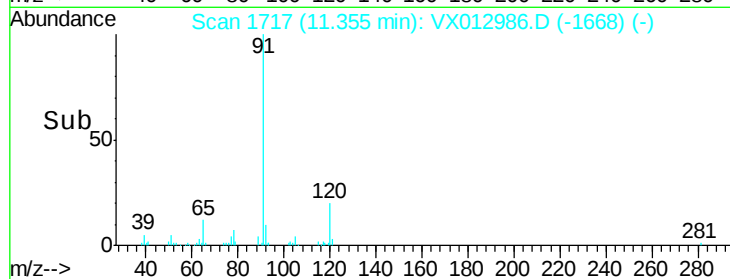
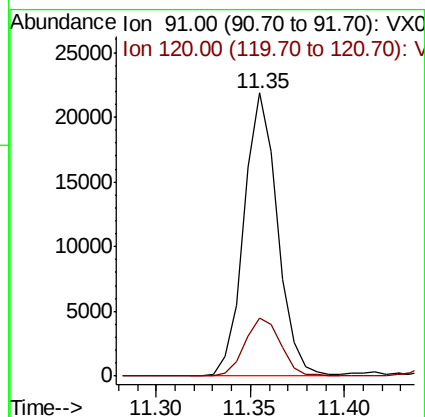
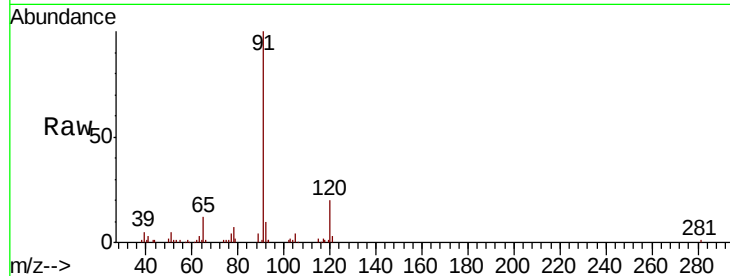
WC-1

Tot Ion: 91 Resp: 26998

Ion Ratio Lower Upper

91 100

120 21.6 11.7 35.1



#80

1,3,5-Trimethylbenzene

Concen: 0.714 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX012986.D

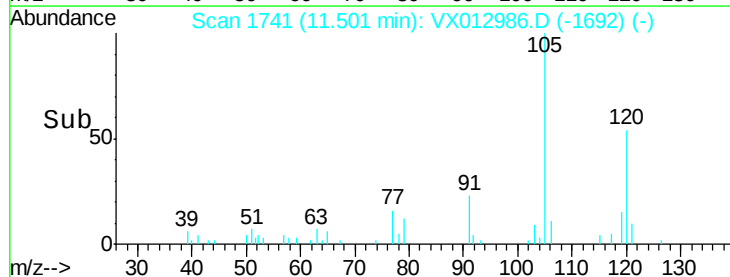
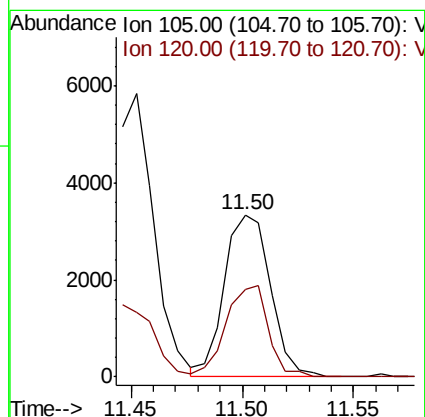
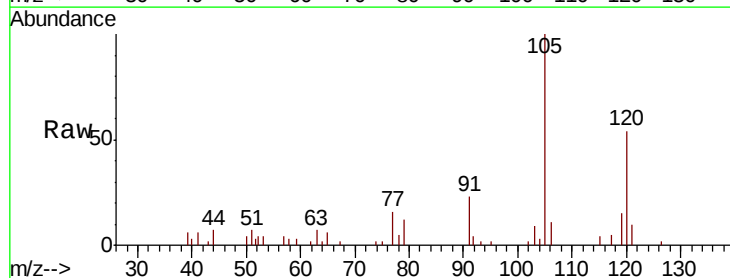
Acq: 10 Oct 2019 11:27

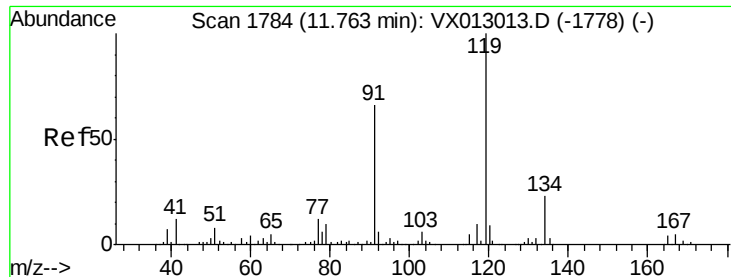
Tgt Ion: 105 Resp: 4796

Ion Ratio Lower Upper

105 100

120 51.6 24.8 74.3





#83

tert-Butylbenzene

Concen: 0.272 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX012986.D

Acq: 10 Oct 2019 11:27

Instrument :

MSVOA_X

ClientSampleId :

WC-1

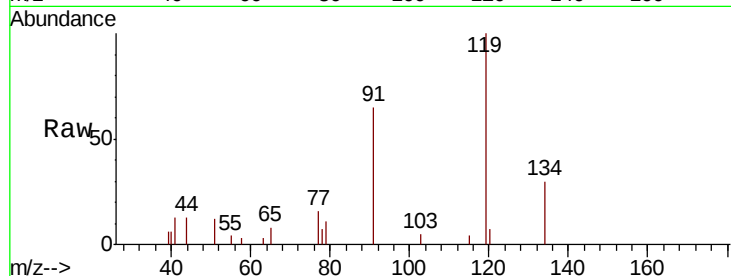
Tot Ion:119 Resp: 1782

Ion Ratio Lower Upper

119 100

91 77.7 29.3 87.9

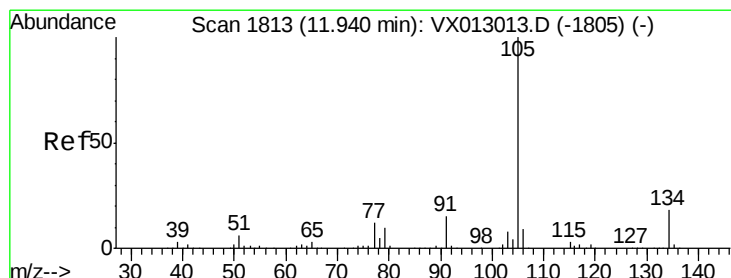
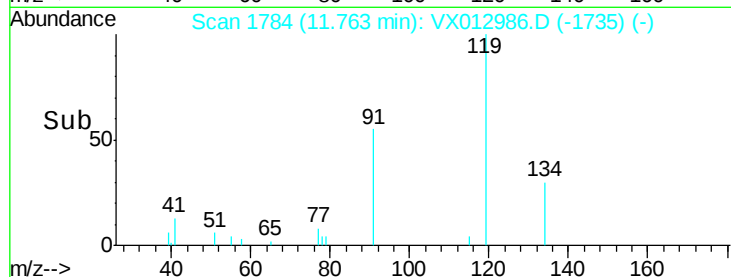
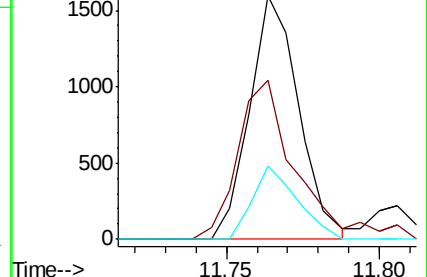
134 27.1 11.5 34.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V



#85

sec-Butylbenzene

Concen: 0.404 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012986.D

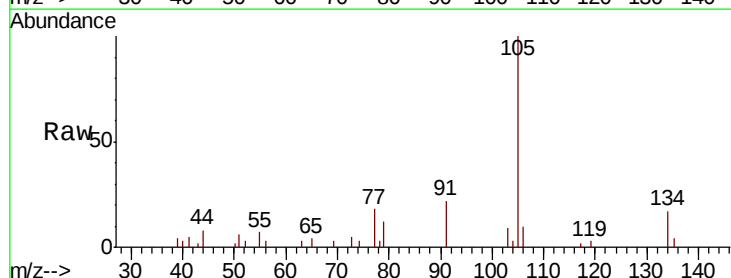
Acq: 10 Oct 2019 11:27

Tgt Ion:105 Resp: 3066

Ion Ratio Lower Upper

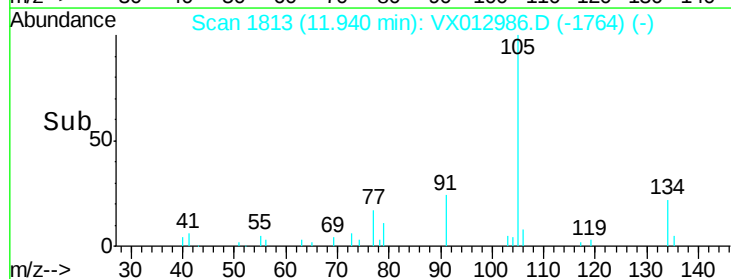
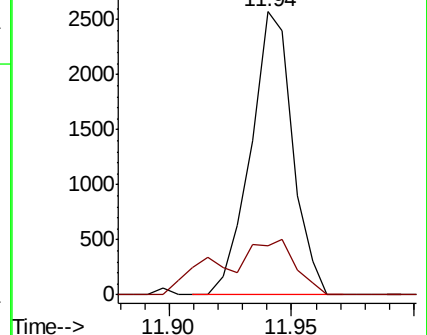
105 100

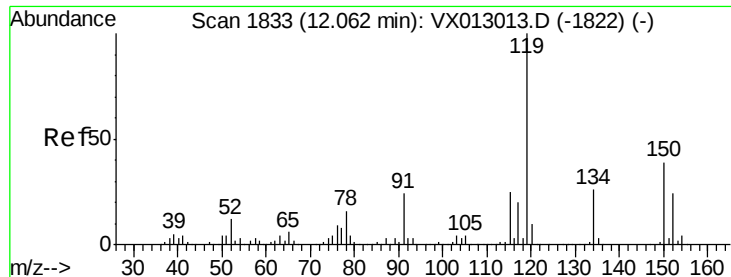
134 20.7 10.0 30.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

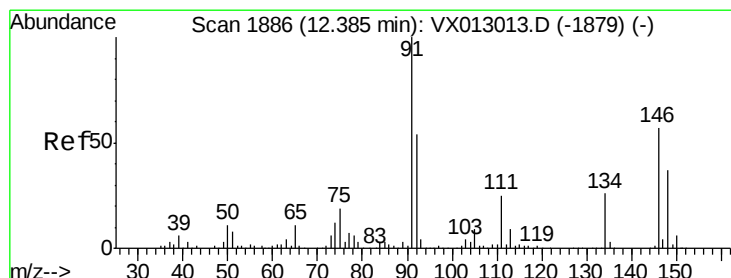
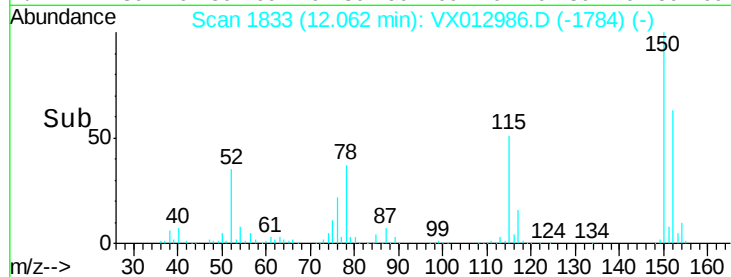
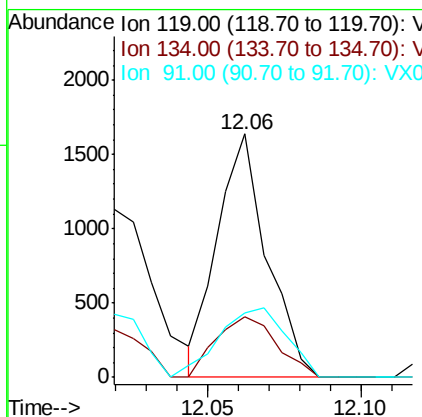
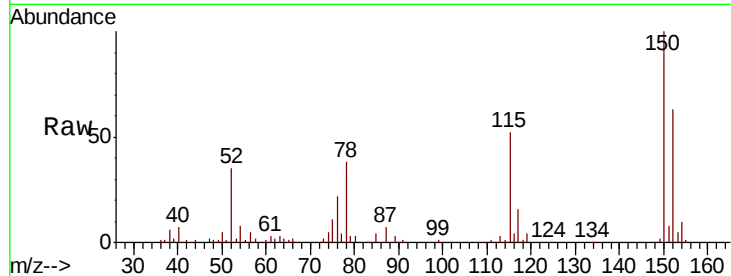




#86
p-Isopropyltoluene
Concen: 0.260 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX012986.D
Acq: 10 Oct 2019 11:27

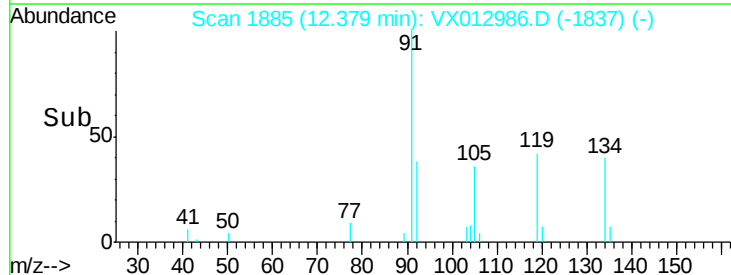
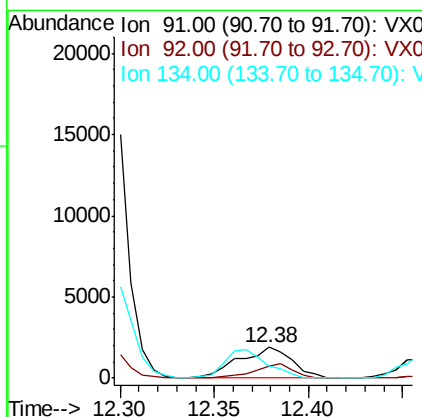
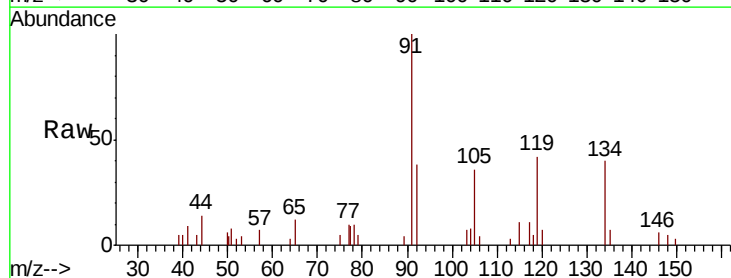
Instrument :
MSVOA_X
ClientSampled :
WC-1

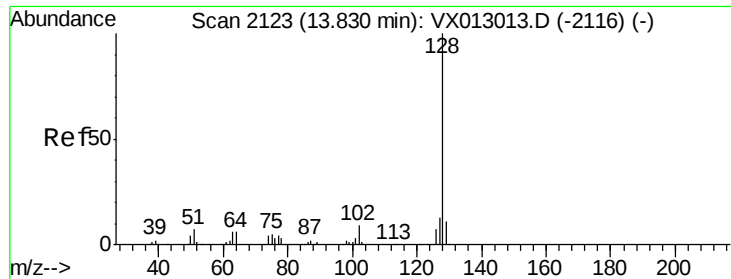
Tot Ion:119 Resp: 1833
Ion Ratio Lower Upper
119 100
134 30.8 12.6 37.8
91 39.2 12.4 37.4#



#89
n-Butylbenzene
Concen: 0.623 ug/l
RT: 12.38 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX012986.D
Acq: 10 Oct 2019 11:27

Tgt Ion: 91 Resp: 3685
Ion Ratio Lower Upper
91 100
92 32.9 27.5 82.5
134 75.6 12.9 38.7#

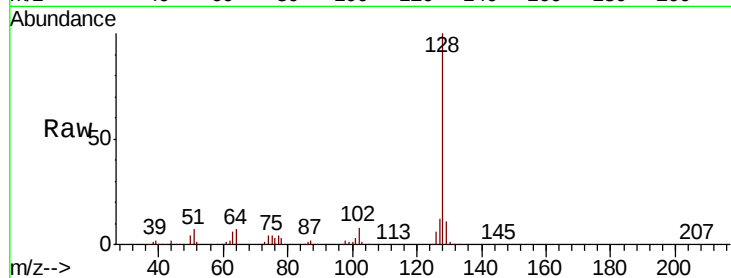




#95
 Naphthalene
 Concen: 4.923 ug/l
 RT: 13.83 min Scan# 2123
 Delta R.T. 0.00 min
 Lab File: VX012986.D
 Acq: 10 Oct 2019 11:27

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-1

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.4
129	11.2	8.8	13.2



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

