

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101419\
 Data File : VX013059.D
 Acq On : 14 Oct 2019 18:03
 Operator : JC/SP
 Sample : K5313-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JBW7333

Quant Time: Oct 15 09:30:42 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 09:48:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	174254	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	281059	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	237484	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	100835	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	106377	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	
35) Dibromofluoromethane	5.49	113	83509	51.77	ug/l	0.00
Spiked Amount			Recovery	=	103.54%	
50) Toluene-d8	8.71	98	328395	52.20	ug/l	0.00
Spiked Amount			Recovery	=	104.40%	
62) 4-Bromofluorobenzene	11.14	95	112325	45.95	ug/l	0.00
Spiked Amount			Recovery	=	91.90%	

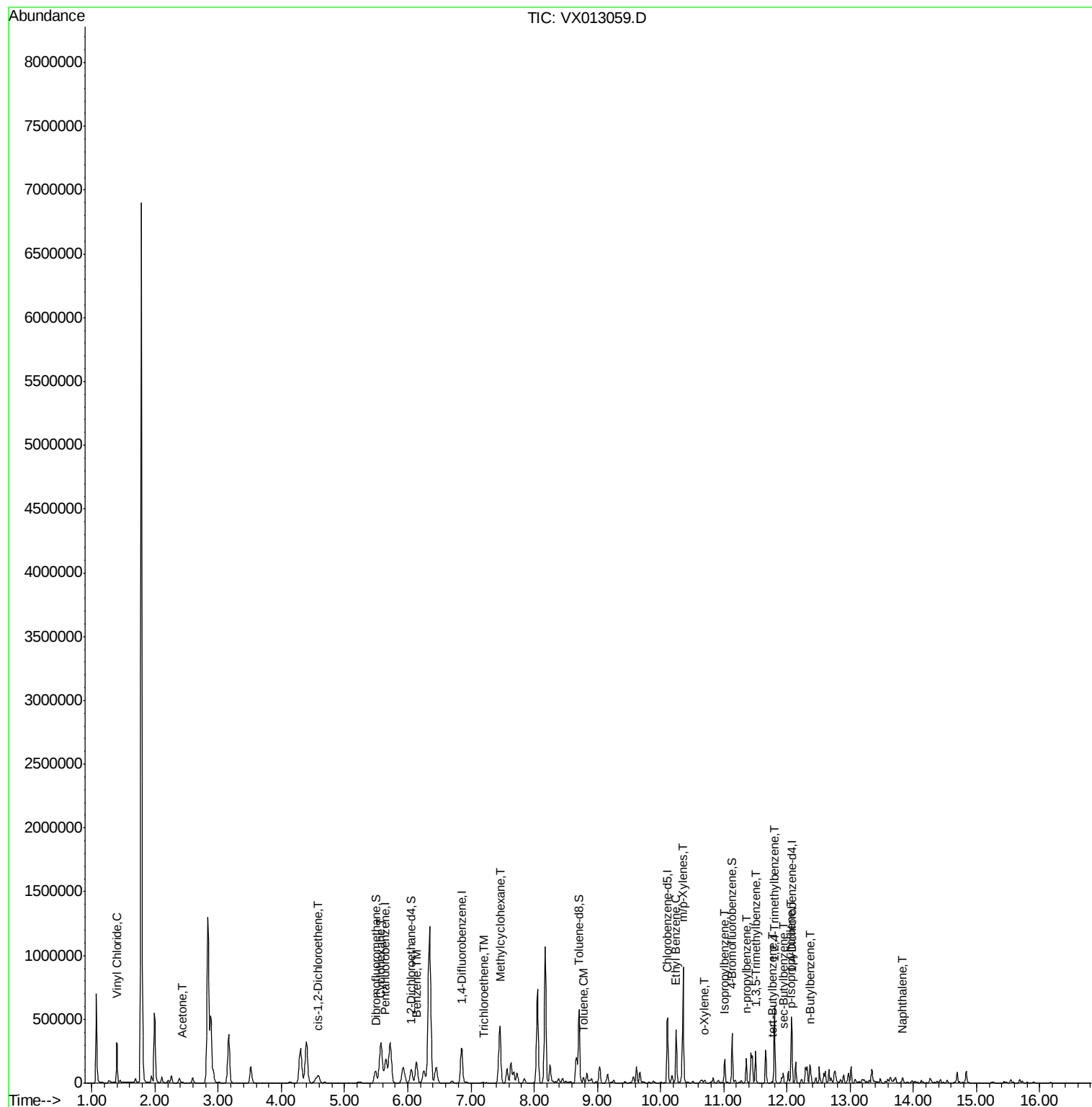
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	16326	8.183	ug/l	93
16) Acetone	2.43	43	6431	5.602	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	31698	14.570	ug/l	90
31) Cyclohexane	5.57	56	226525	71.661	ug/l	99
39) Methylcyclohexane	7.46	83	205158	68.460	ug/l	99
40) Benzene	6.14	78	200420	27.461	ug/l	99
44) Trichloroethene	7.21	130	1240	0.613	ug/l	71
52) Toluene	8.78	92	17095	3.661	ug/l	98
67) Ethyl Benzene	10.25	91	242920	28.998	ug/l	99
68) m/p-Xylenes	10.36	106	202404	64.676	ug/l	98
69) o-Xylene	10.70	106	4649	1.523	ug/l	91
73) Isopropylbenzene	11.01	105	95709	12.910	ug/l	100
78) n-propylbenzene	11.35	91	118516	14.528	ug/l	97
80) 1,3,5-Trimethylbenzene	11.50	105	101696	16.428	ug/l	100
83) tert-Butylbenzene	11.77	119	4920	0.815	ug/l	86
84) 1,2,4-Trimethylbenzene	11.80	105	275092	43.878	ug/l	97
85) sec-Butylbenzene	11.94	105	41748	5.967	ug/l	79
86) p-Isopropyltoluene	12.06	119	25889	3.990	ug/l	94
89) n-Butylbenzene	12.38	91	22125	4.057	ug/l #	34
95) Naphthalene	13.83	128	25236	3.654	ug/l #	94

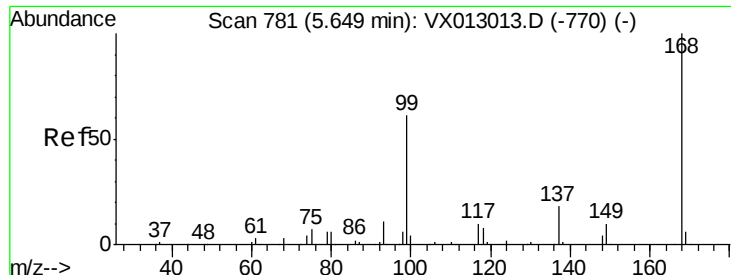
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Oct 11 09:48:22 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX013059.D

Acq: 14 Oct 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

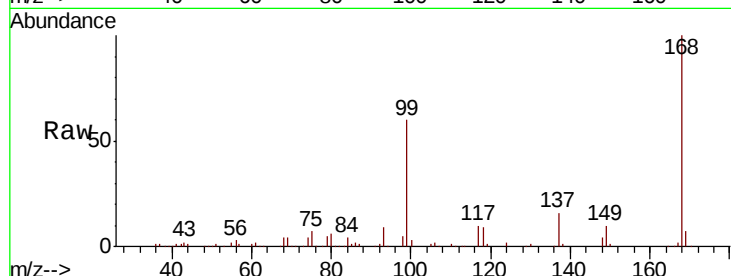
FA19-JBW7333

Tot Ion:168 Resp: 174254

Ion Ratio Lower Upper

168 100

99 60.4 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

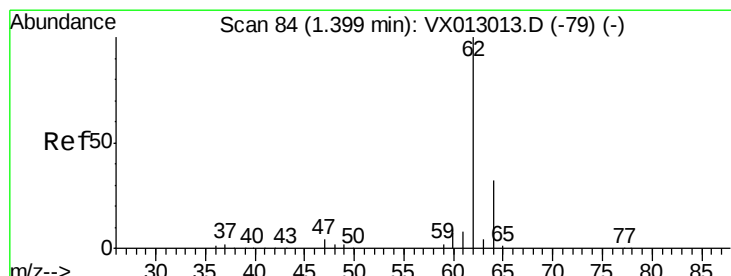
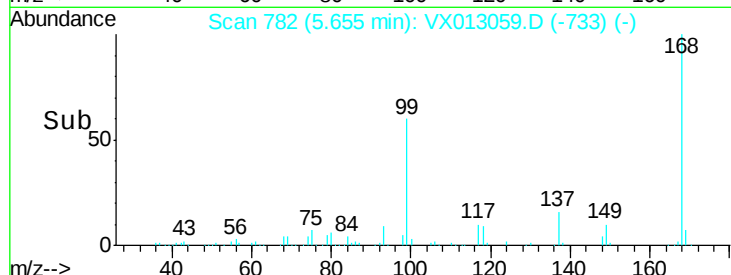
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 8.183 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX013059.D

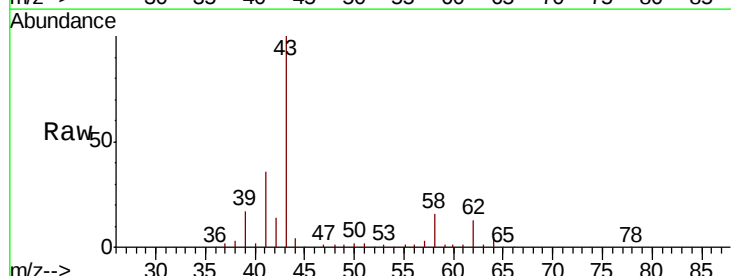
Acq: 14 Oct 2019 18:03

Tgt Ion: 62 Resp: 16326

Ion Ratio Lower Upper

62 100

64 35.2 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

20000

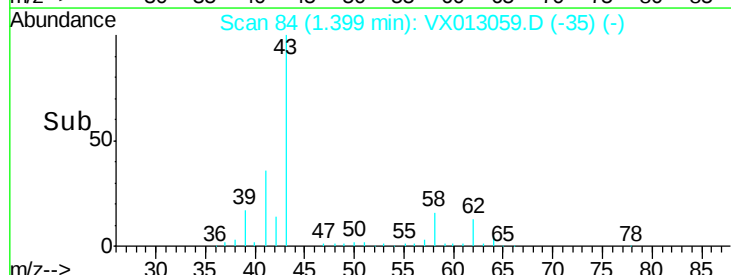
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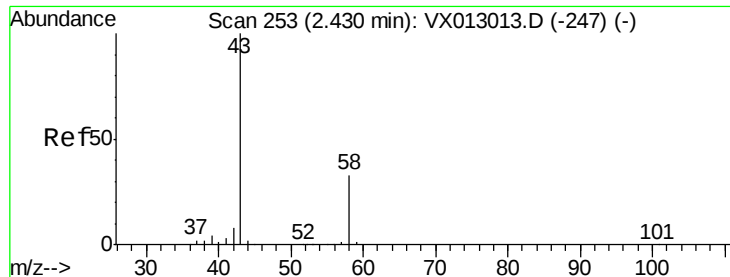
10000

5000

0

Time--> 1.35 1.40 1.45 1.50





#16

Acetone

Concen: 5.602 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX013059.D

Acq: 14 Oct 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

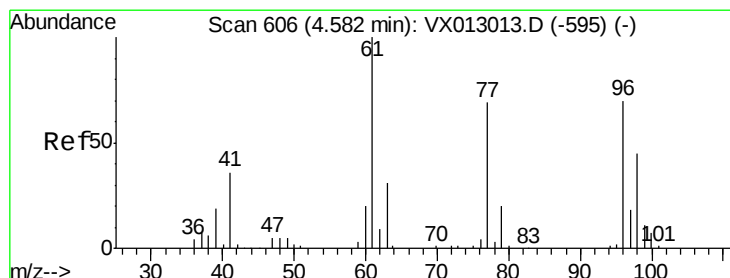
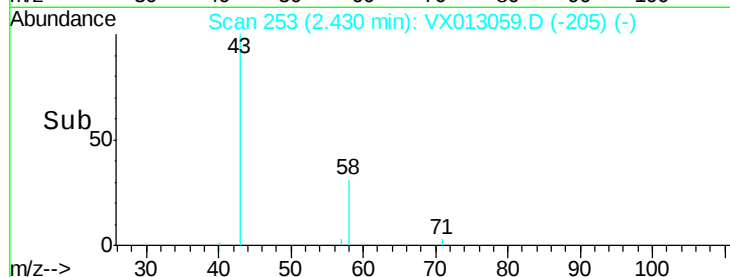
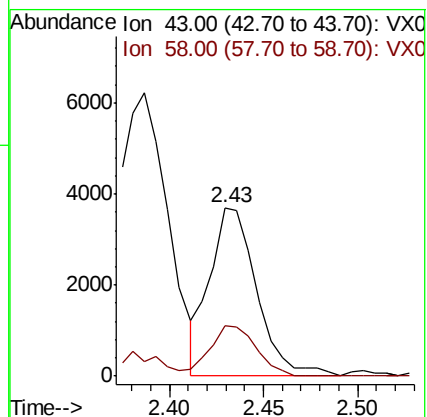
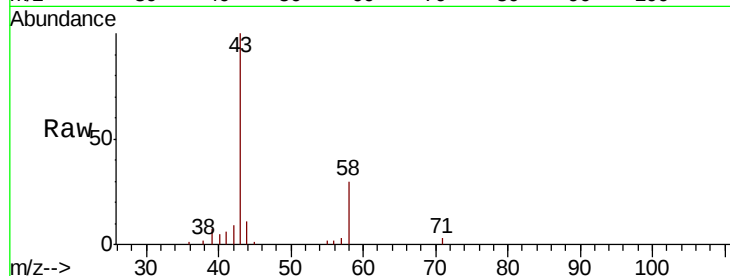
FA19-JBW7333

Tot Ion: 43 Resp: 6431

Ion Ratio Lower Upper

43 100

58 29.9 25.4 38.2



#27

cis-1,2-Dichloroethene

Concen: 14.570 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.00 min

Lab File: VX013059.D

Acq: 14 Oct 2019 18:03

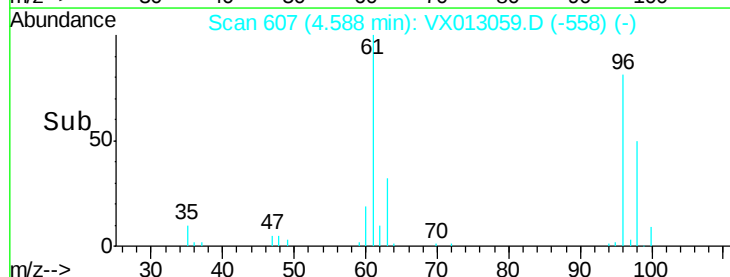
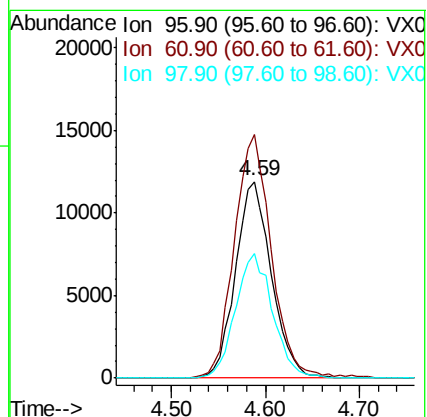
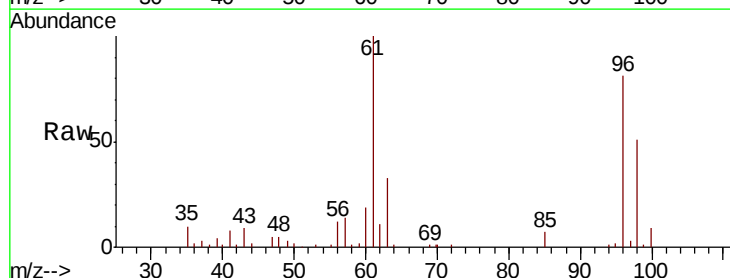
Tgt Ion: 96 Resp: 31698

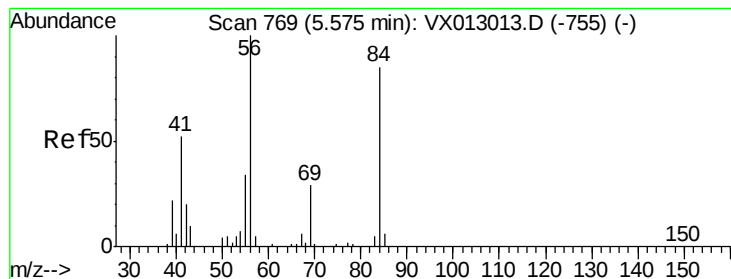
Ion Ratio Lower Upper

96 100

61 128.2 0.0 290.6

98 65.7 0.0 128.8





#31

Cyclohexane

Concen: 71.661 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX013059.D

Acq: 14 Oct 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

FA19-JBW7333

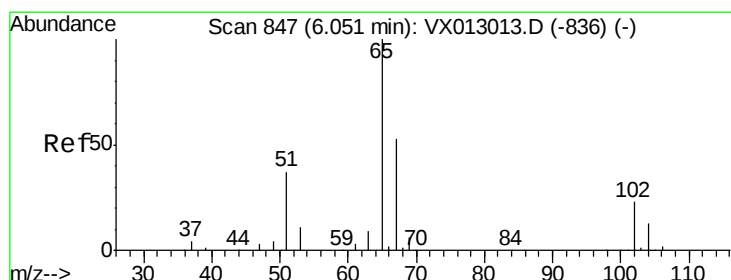
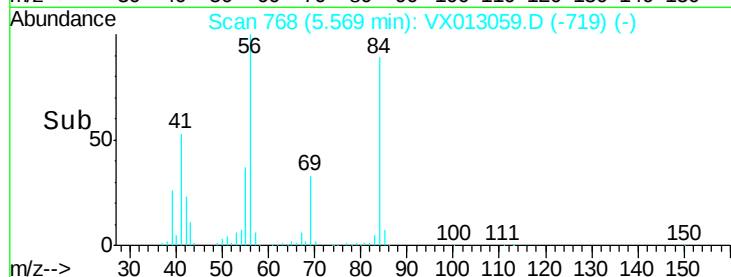
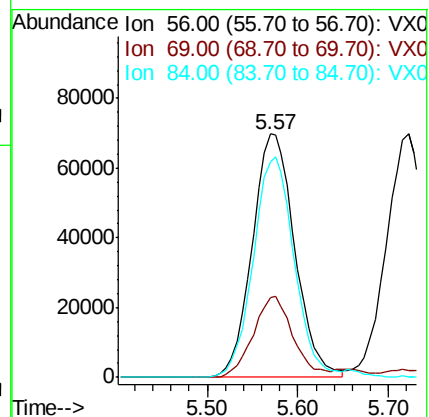
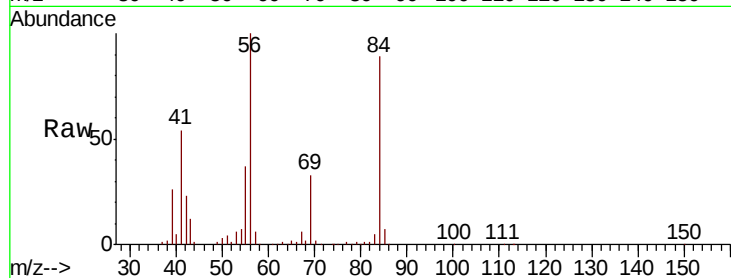
Tot Ion: 56 Resp: 226525

Ion Ratio Lower Upper

56 100

69 32.5 25.2 37.8

84 88.7 71.3 106.9



#33

1,2-Dichloroethane-d4

Concen: 48.843 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX013059.D

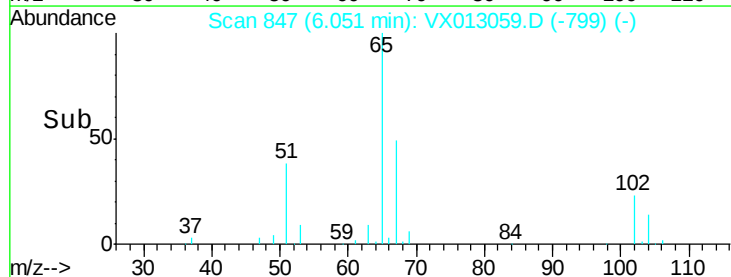
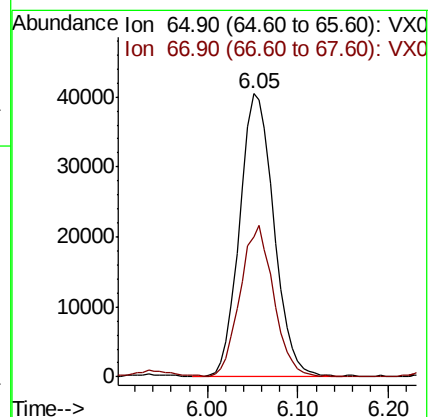
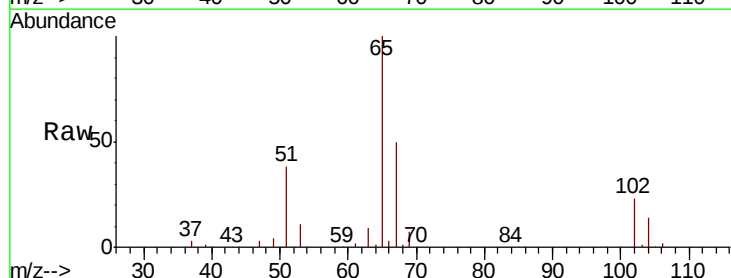
Acq: 14 Oct 2019 18:03

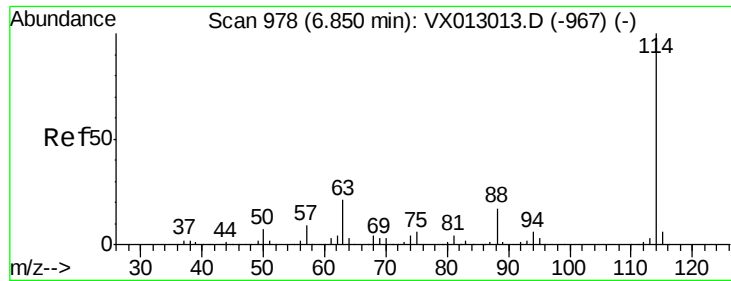
Tgt Ion: 65 Resp: 106377

Ion Ratio Lower Upper

65 100

67 52.2 0.0 104.4

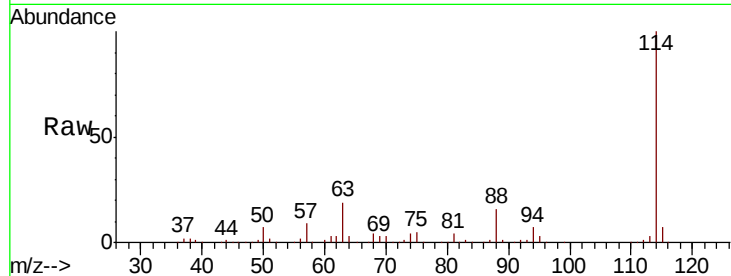




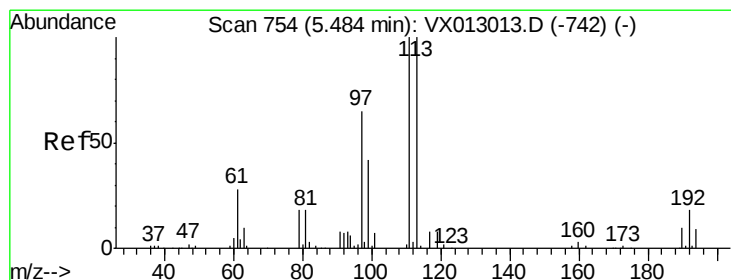
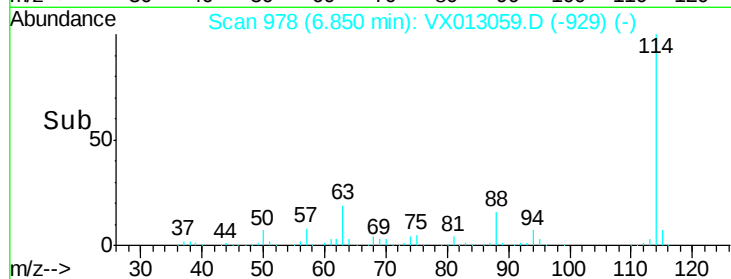
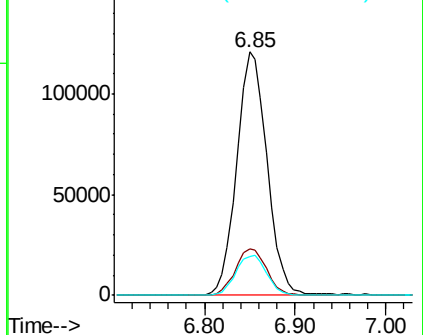
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013059.D
 Acq: 14 Oct 2019 18:03

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JBW7333

Tot Ion:114 Resp: 281059
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 40.8
 88 16.1 0.0 33.8

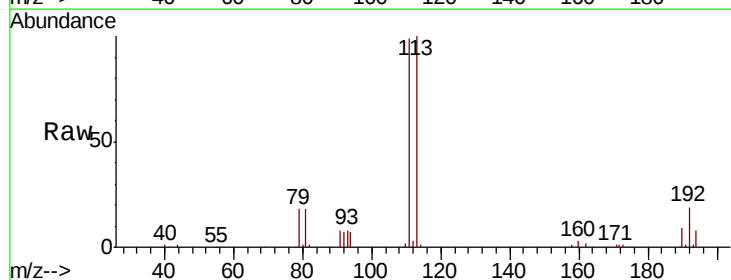


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

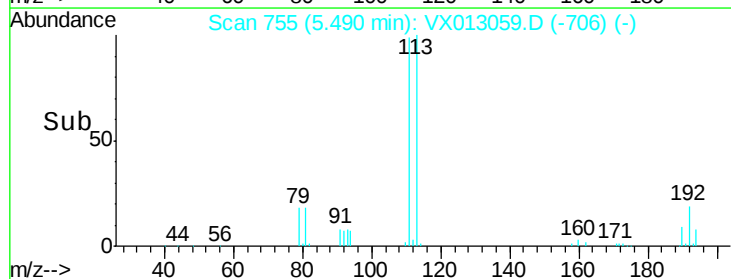
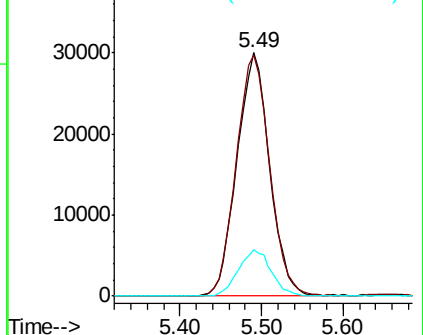


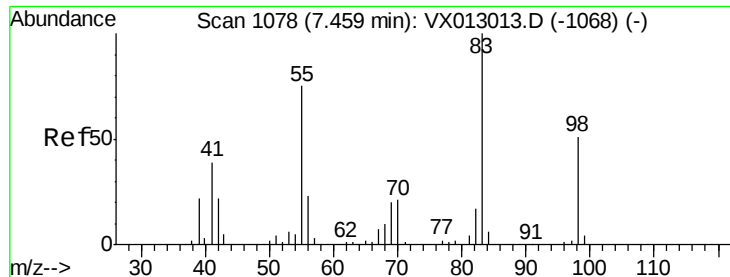
#35
 Dibromofluoromethane
 Concen: 51.768 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX013059.D
 Acq: 14 Oct 2019 18:03

Tgt Ion:113 Resp: 83509
 Ion Ratio Lower Upper
 113 100
 111 101.6 83.2 124.8
 192 19.4 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

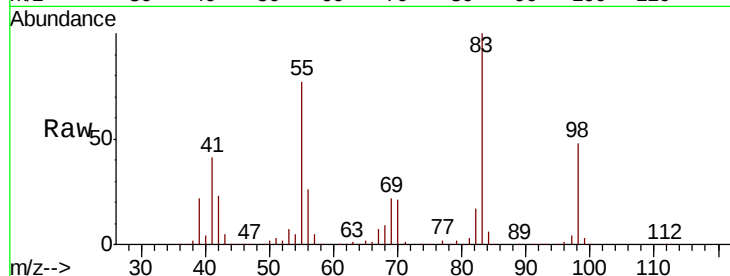




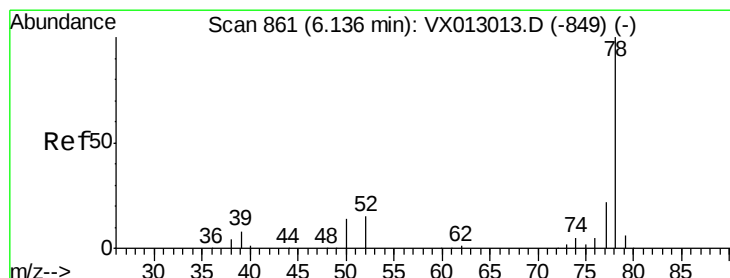
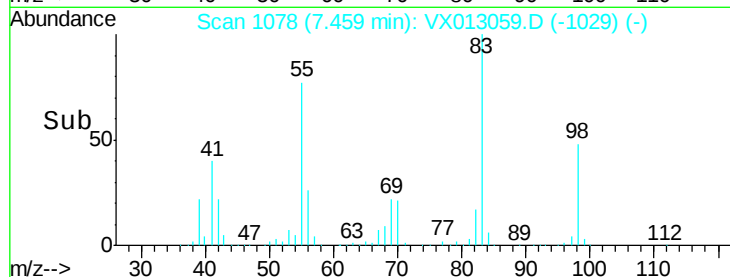
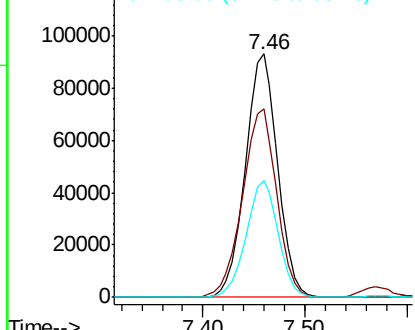
#39
Methvlcvclohexane
Concen: 68.460 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX013059.D
Acq: 14 Oct 2019 18:03

Instrument :
MSVOA_X
ClientSampleId :
FA19-JBW7333

Tot Ion: 83 Resp: 205158
Ion Ratio Lower Upper
83 100
55 77.3 60.2 90.4
98 48.0 38.5 57.7

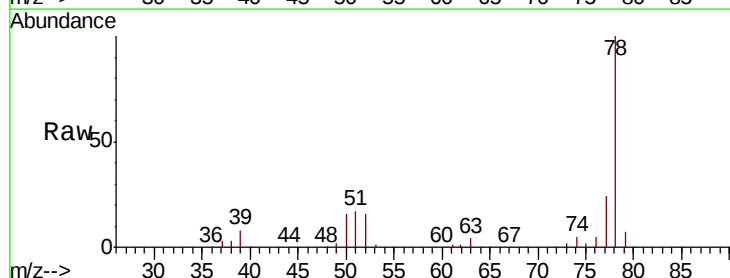


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

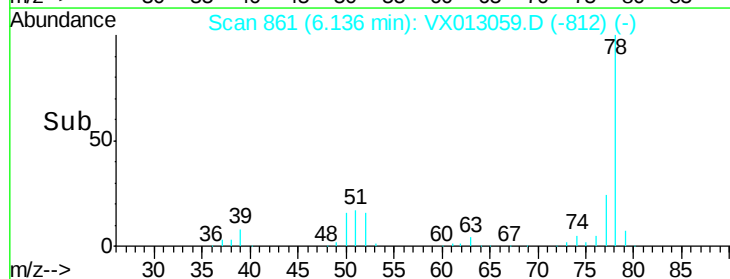
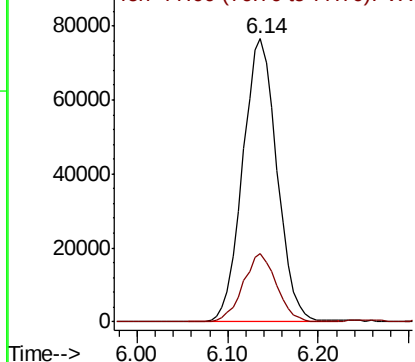


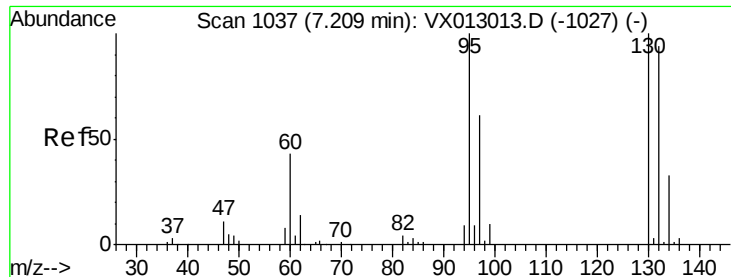
#40
Benzene
Concen: 27.461 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.00 min
Lab File: VX013059.D
Acq: 14 Oct 2019 18:03

Tgt Ion: 78 Resp: 200420
Ion Ratio Lower Upper
78 100
77 24.0 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0

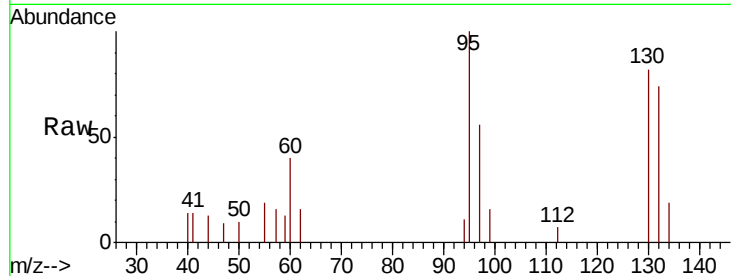




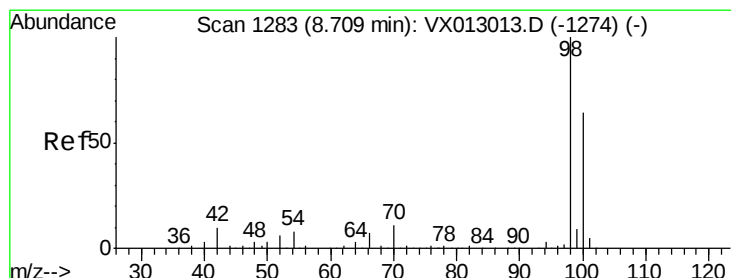
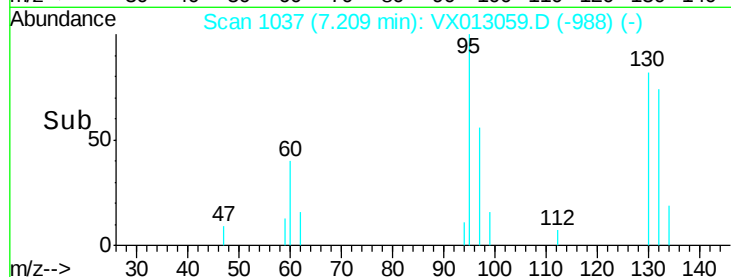
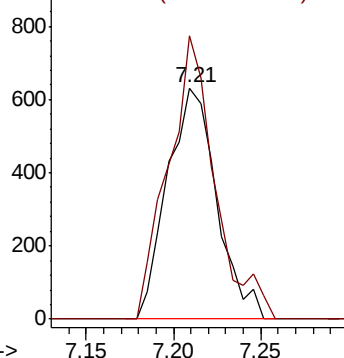
#44
 Trichloroethene
 Concen: 0.613 ug/l
 RT: 7.21 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VX013059.D
 Acq: 14 Oct 2019 18:03

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-JBW7333

Tot Ion:130 Resp: 1240
 Ion Ratio Lower Upper
 130 100
 95 122.5 0.0 189.2

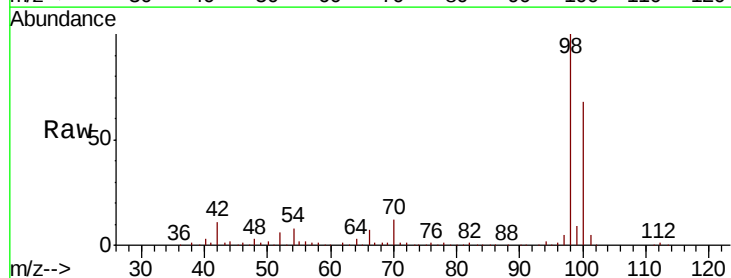


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

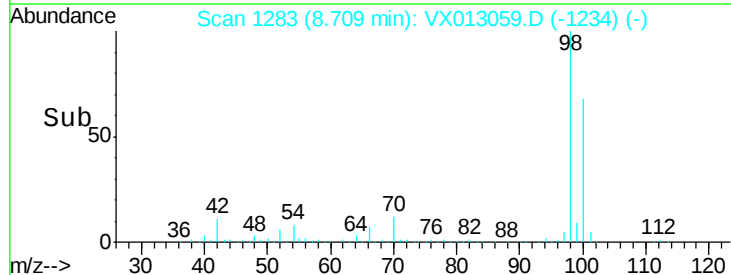
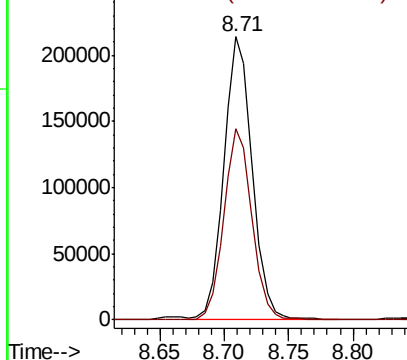


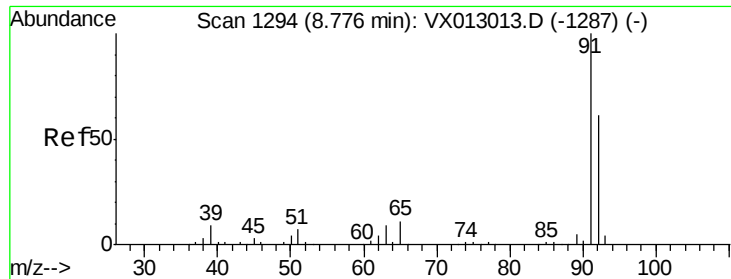
#50
 Toluene-d8
 Concen: 52.196 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX013059.D
 Acq: 14 Oct 2019 18:03

Tgt Ion: 98 Resp: 328395
 Ion Ratio Lower Upper
 98 100
 100 67.4 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 3.661 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX013059.D

Acq: 14 Oct 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

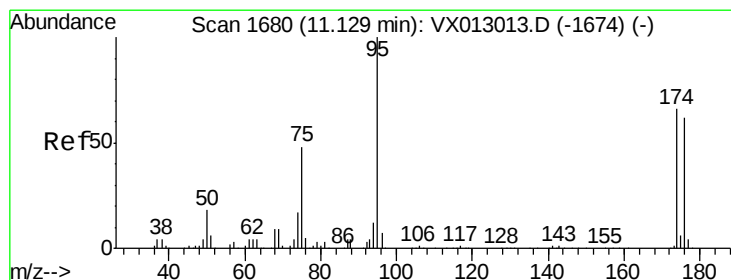
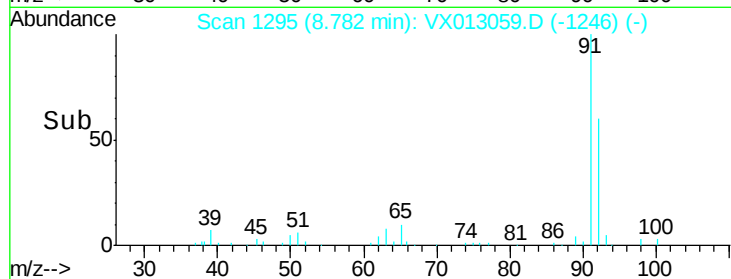
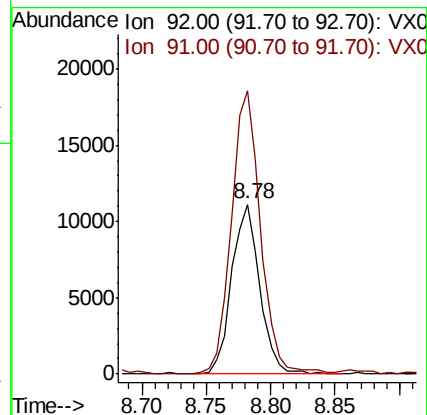
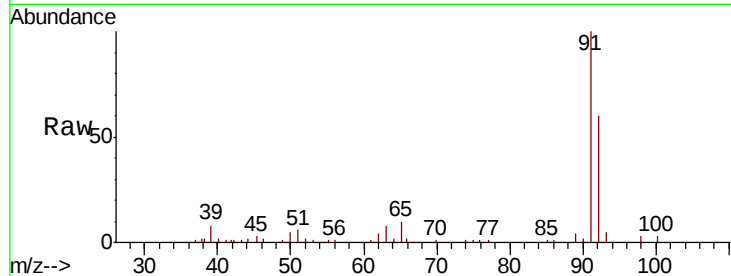
FA19-JBW7333

Tot Ion: 92 Resp: 17095

Ion Ratio Lower Upper

92 100

91 172.9 135.9 203.9



#62

4-Bromofluorobenzene

Concen: 45.947 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013059.D

Acq: 14 Oct 2019 18:03

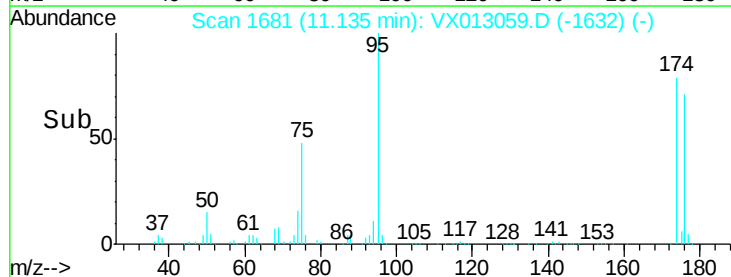
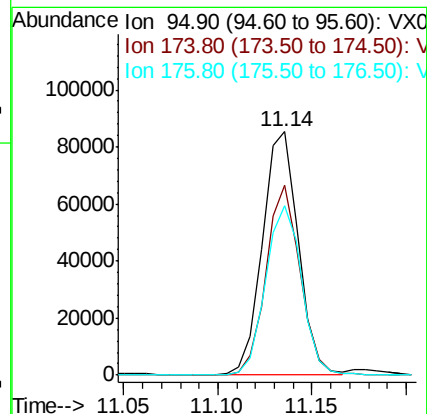
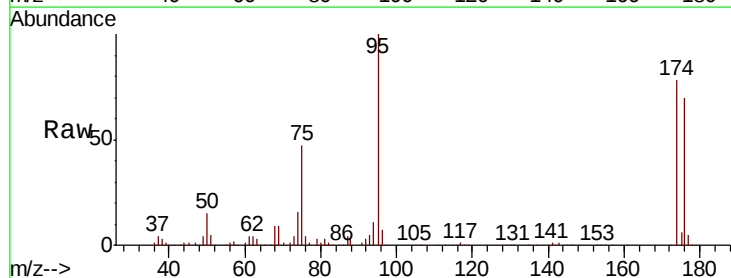
Tgt Ion: 95 Resp: 112325

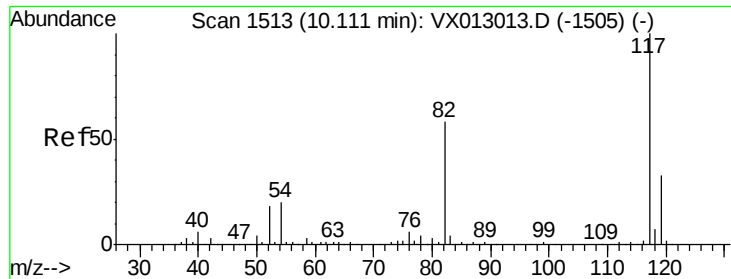
Ion Ratio Lower Upper

95 100

174 74.5 0.0 143.4

176 70.2 0.0 136.0

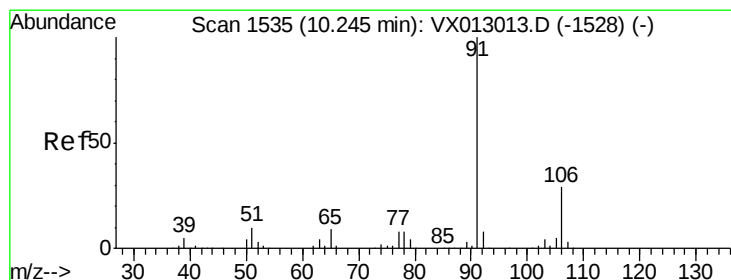
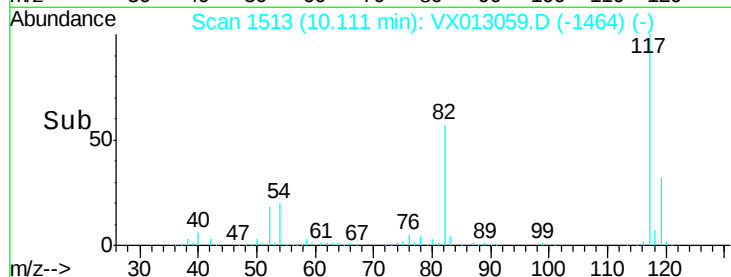
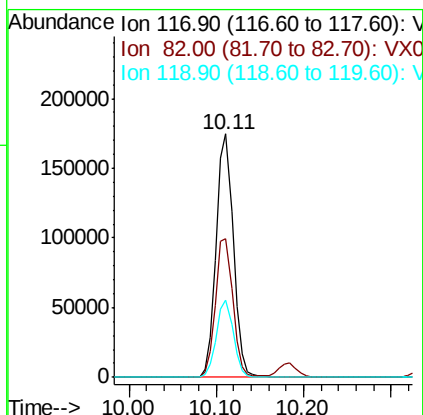
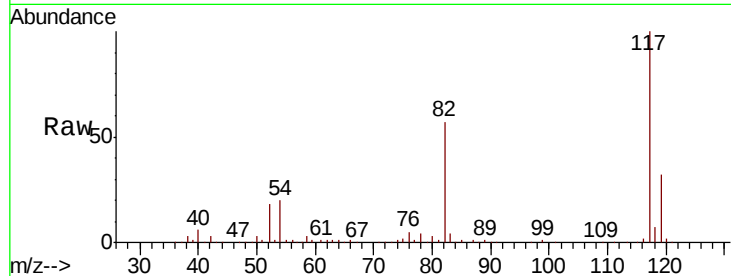




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013059.D
Acq: 14 Oct 2019 18:03

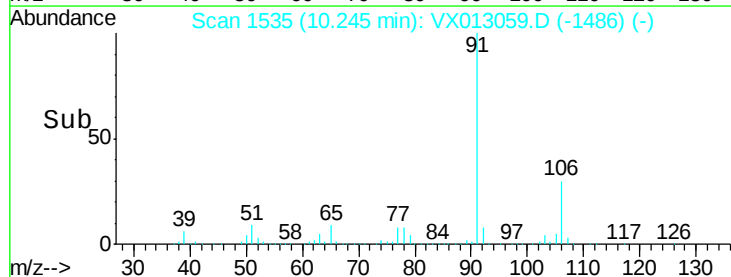
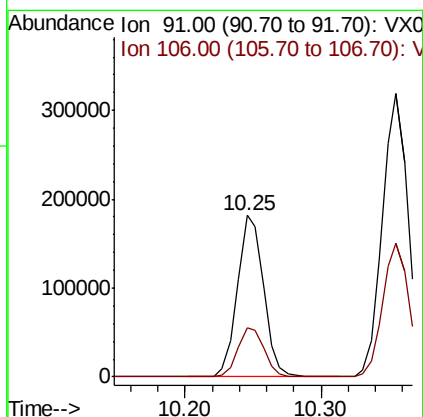
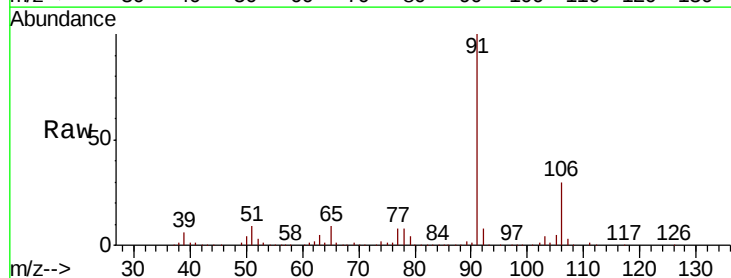
Instrument :
MSVOA_X
ClientSampleId :
FA19-JBW7333

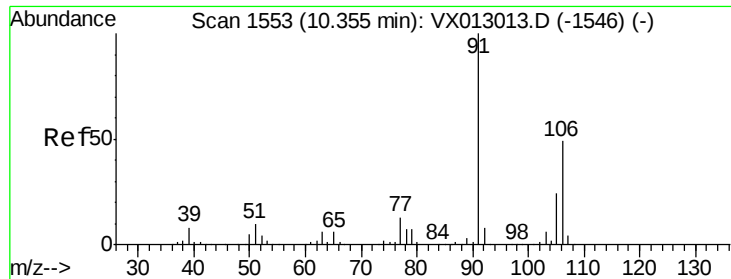
Tot Ion:117 Resp: 237484
Ion Ratio Lower Upper
117 100
82 57.0 44.1 66.1
119 31.9 25.8 38.8



#67
Ethyl Benzene
Concen: 28.998 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX013059.D
Acq: 14 Oct 2019 18:03

Tgt Ion: 91 Resp: 242920
Ion Ratio Lower Upper
91 100
106 30.3 23.9 35.9

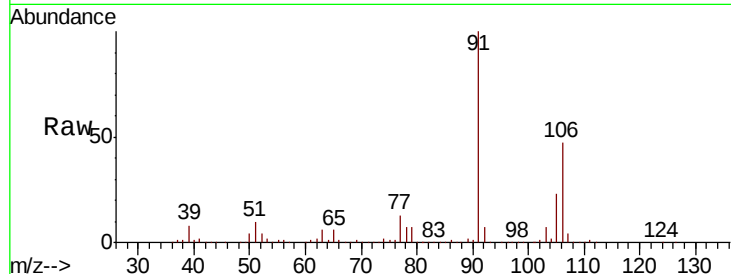




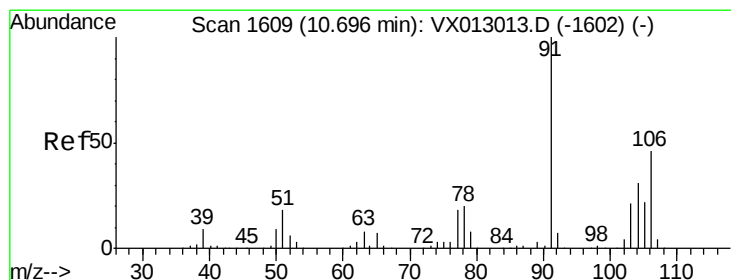
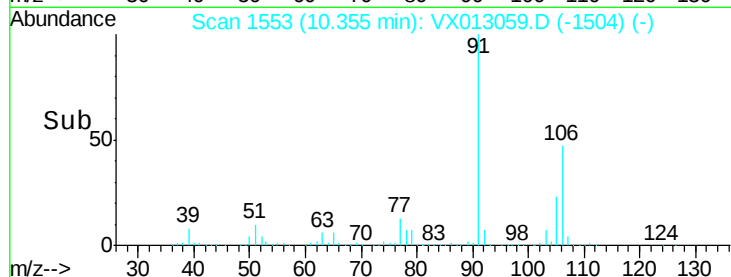
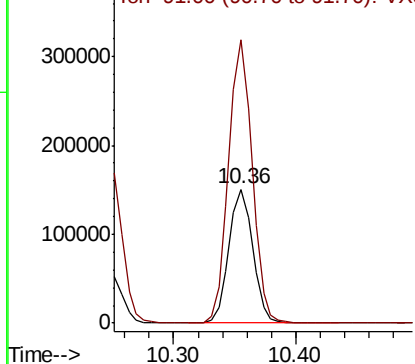
#68
m/p-Xylenes
Concen: 64.676 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX013059.D
Acq: 14 Oct 2019 18:03

Instrument :
MSVOA_X
ClientSampleId :
FA19-JBW7333

Tot Ion:106 Resp: 202404
Ion Ratio Lower Upper
106 100
91 210.1 165.3 247.9

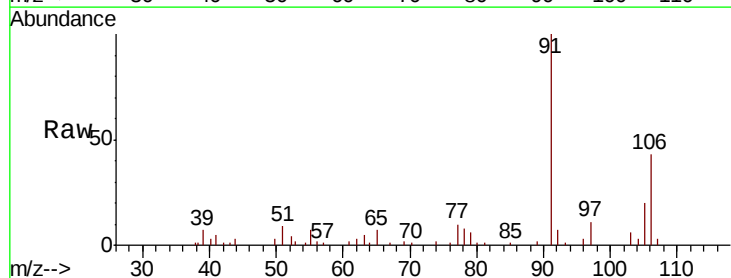


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

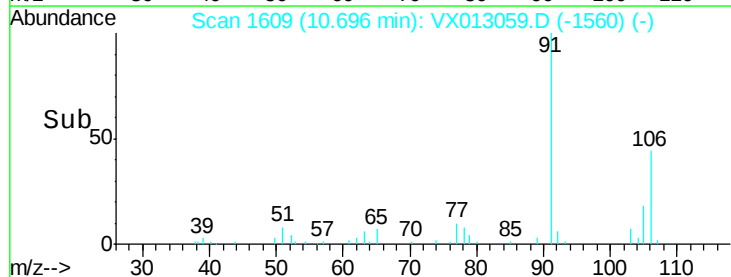
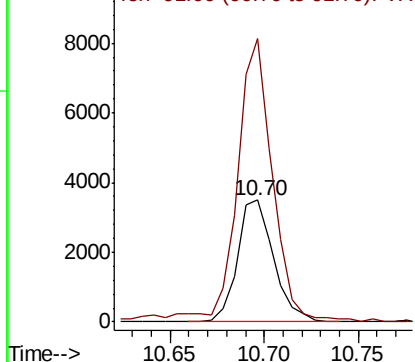


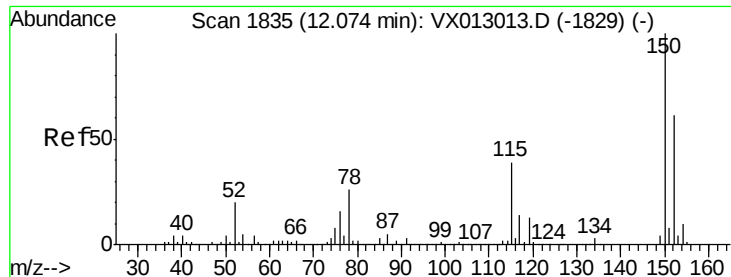
#69
o-Xylene
Concen: 1.523 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013059.D
Acq: 14 Oct 2019 18:03

Tgt Ion:106 Resp: 4649
Ion Ratio Lower Upper
106 100
91 233.2 109.1 327.3



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: VX013059.D

Acq: 14 Oct 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

FA19-JBW7333

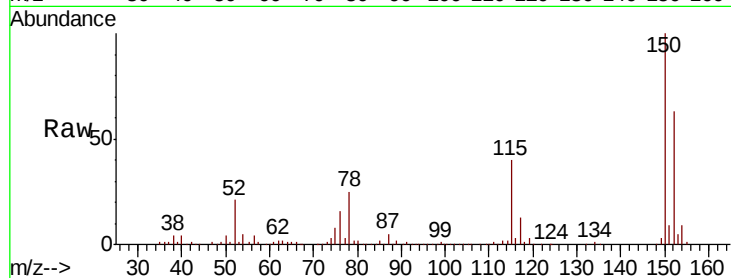
Tot Ion:152 Resp: 100835

Ion Ratio Lower Upper

152 100

115 63.0 44.5 133.5

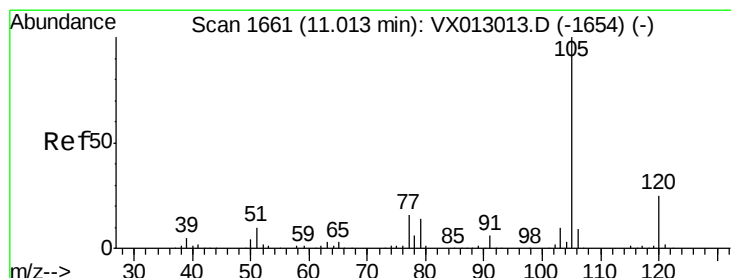
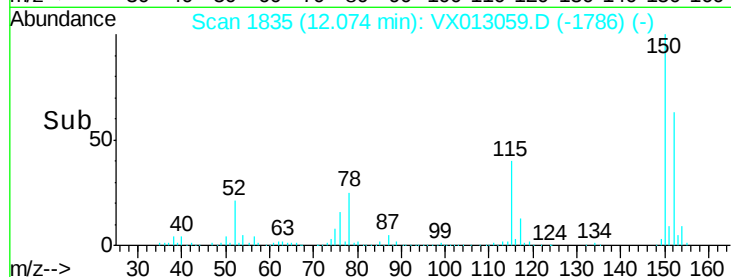
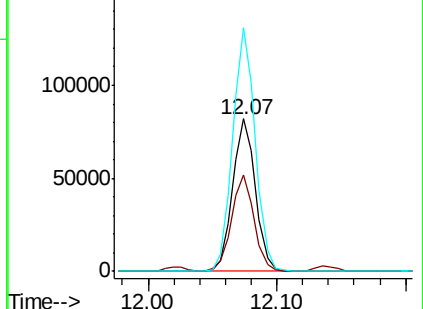
150 158.5 0.0 353.4



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: 12.910 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013059.D

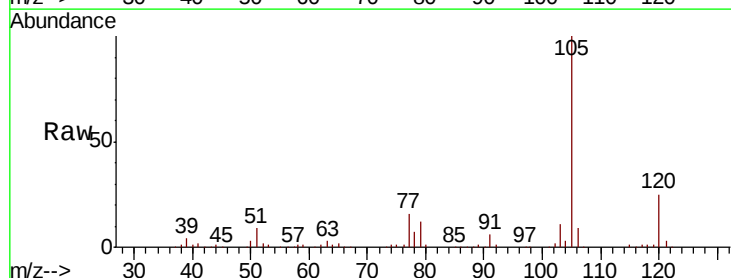
Acq: 14 Oct 2019 18:03

Tgt Ion:105 Resp: 95709

Ion Ratio Lower Upper

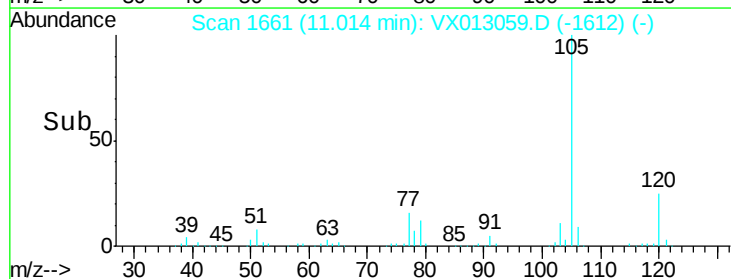
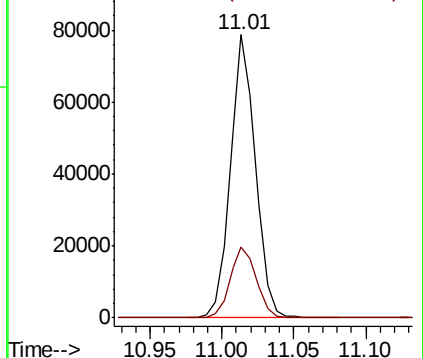
105 100

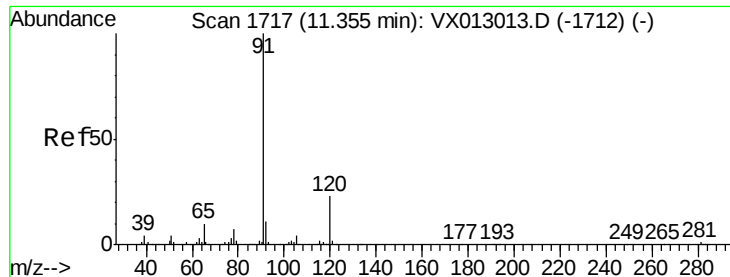
120 26.0 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 14.528 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013059.D

Acq: 14 Oct 2019 18:03

Instrument :

MSVOA_X

ClientSampled :

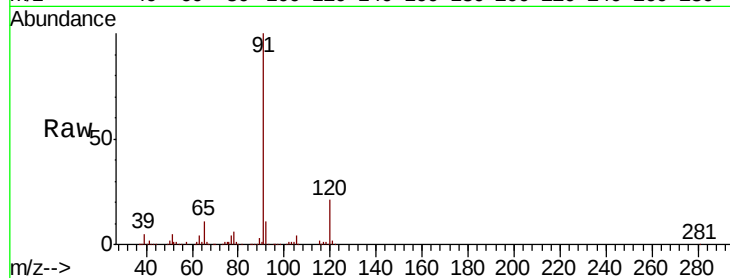
FA19-JBW7333

Tot Ion: 91 Resp: 118516

Ion Ratio Lower Upper

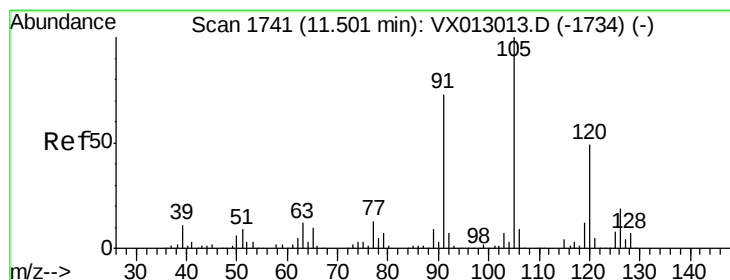
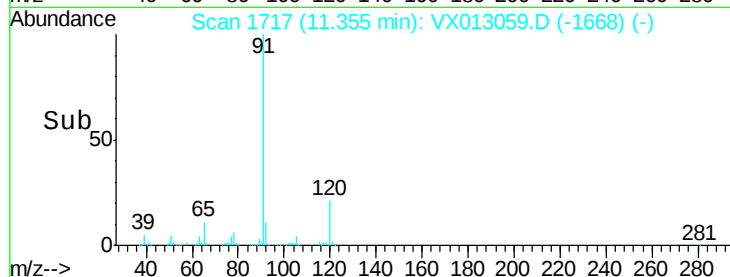
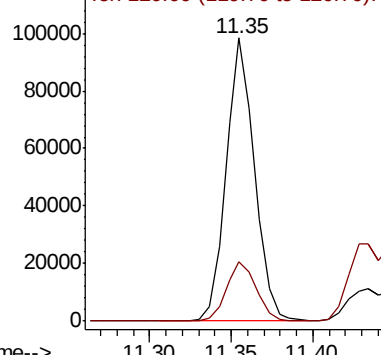
91 100

120 22.1 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#80

1,3,5-Trimethylbenzene

Concen: 16.428 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX013059.D

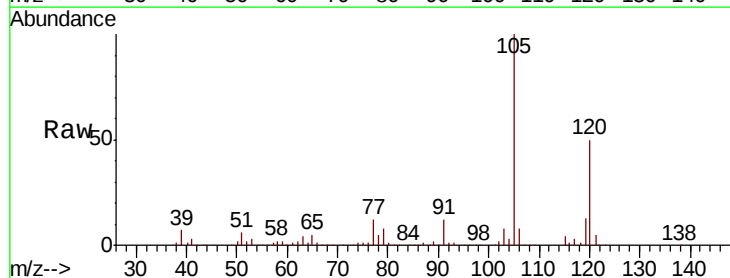
Acq: 14 Oct 2019 18:03

Tgt Ion:105 Resp: 101696

Ion Ratio Lower Upper

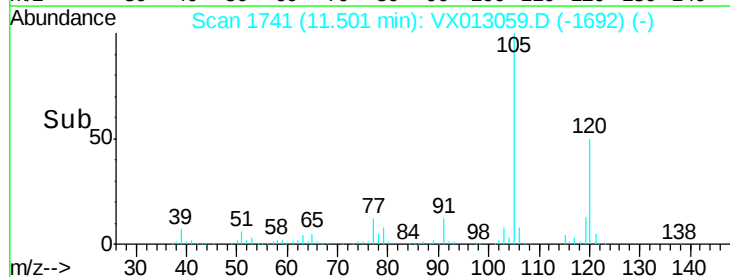
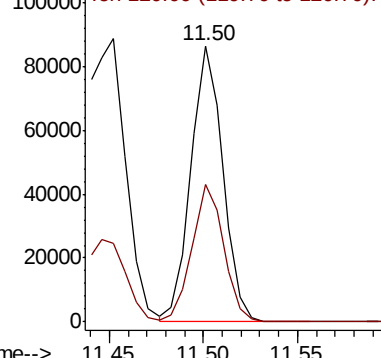
105 100

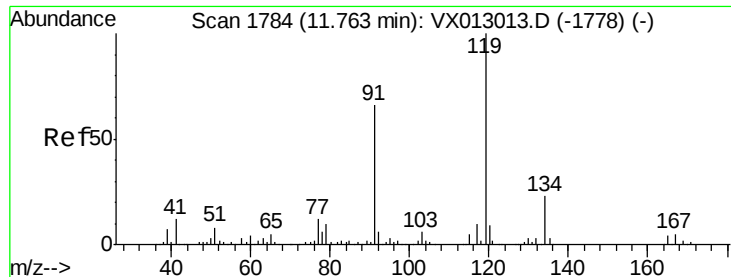
120 49.7 24.8 74.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

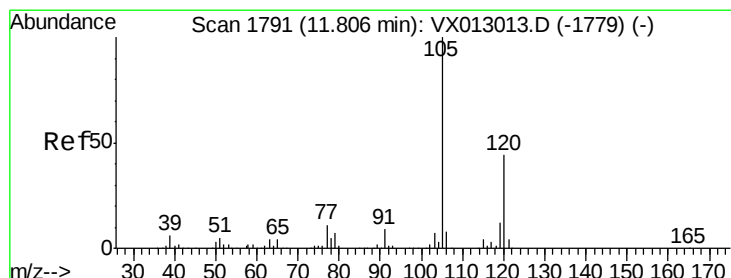
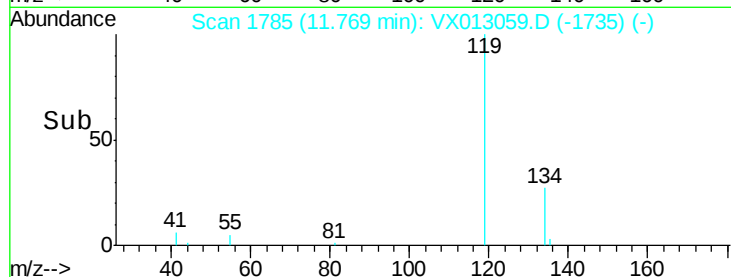
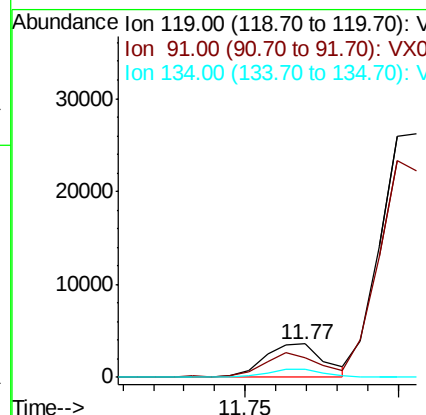
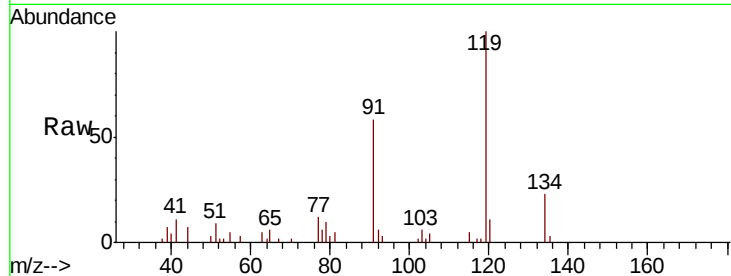




#83
tert-Butylbenzene
Concen: 0.815 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. 0.01 min
Lab File: VX013059.D
Acq: 14 Oct 2019 18:03

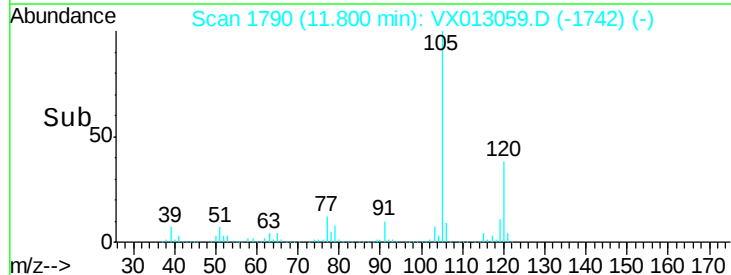
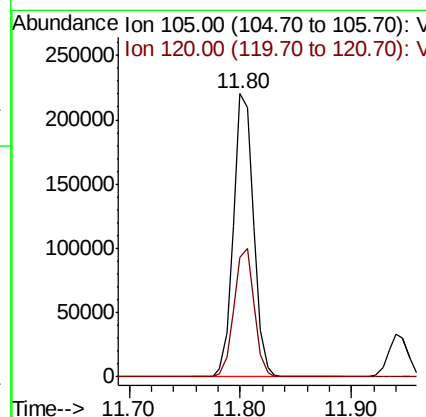
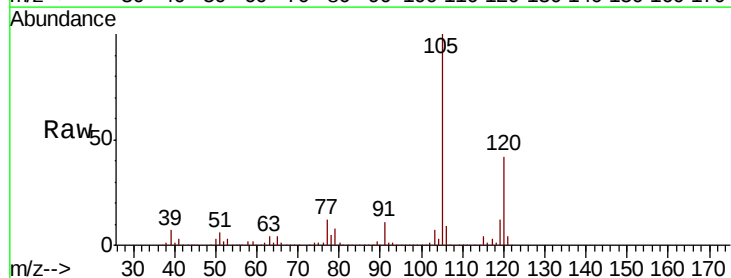
Instrument :
MSVOA_X
ClientSampled :
FA19-JBW7333

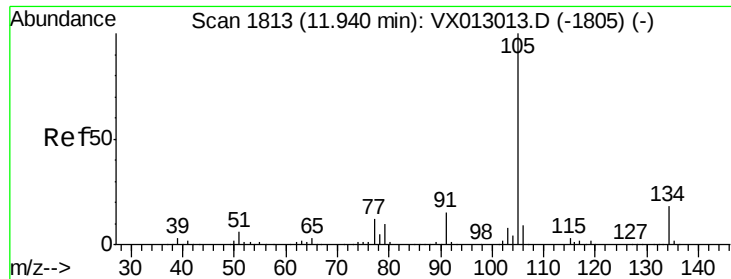
Tot Ion:119 Resp: 4920
Ion Ratio Lower Upper
119 100
91 72.8 29.3 87.9
134 22.5 11.5 34.4



#84
1,2,4-Trimethylbenzene
Concen: 43.878 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX013059.D
Acq: 14 Oct 2019 18:03

Tgt Ion:105 Resp: 275092
Ion Ratio Lower Upper
105 100
120 45.5 21.8 65.3





#85

sec-Butylbenzene

Concen: 5.967 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX013059.D

Acq: 14 Oct 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

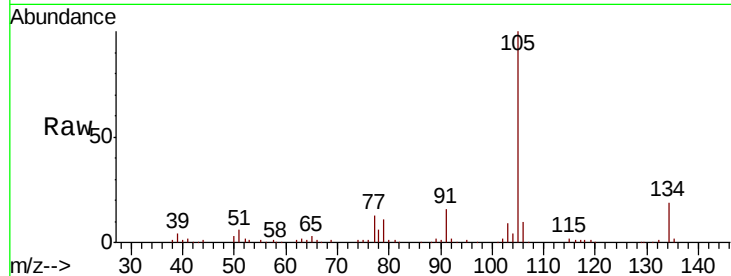
FA19-JBW7333

Tot Ion:105 Resp: 41748

Ion Ratio Lower Upper

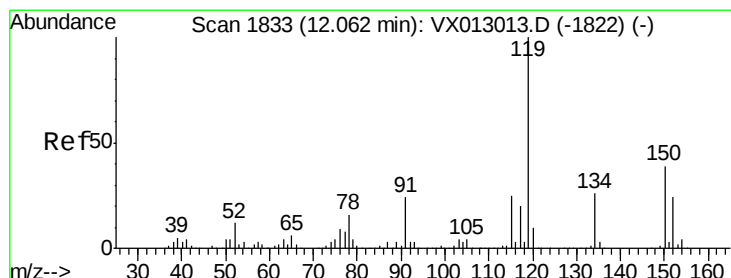
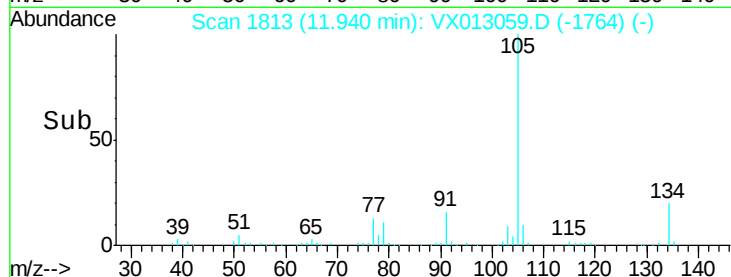
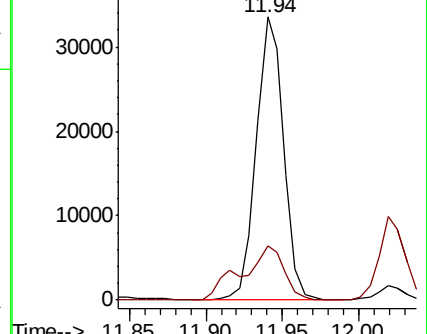
105 100

134 29.5 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: 3.990 ug/l

RT: 12.06 min Scan# 1832

Delta R.T. -0.01 min

Lab File: VX013059.D

Acq: 14 Oct 2019 18:03

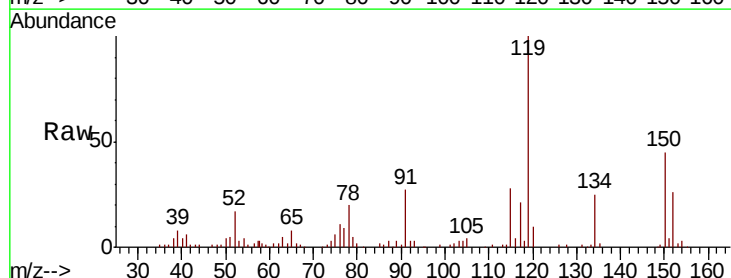
Tgt Ion:119 Resp: 25889

Ion Ratio Lower Upper

119 100

134 26.3 12.6 37.8

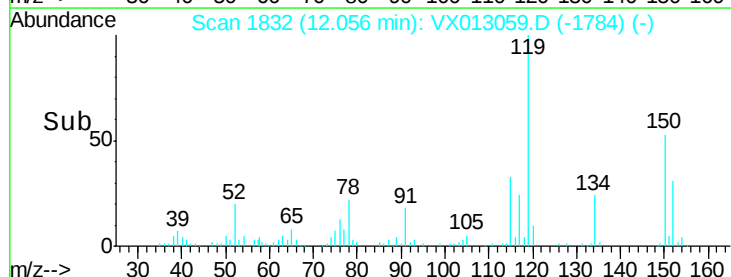
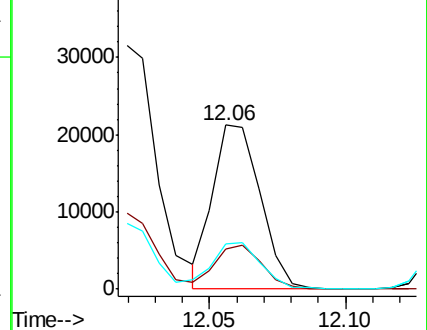
91 29.7 12.4 37.4

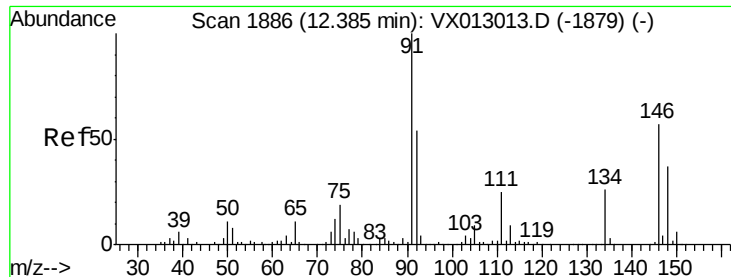


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#89

n-Butylbenzene

Concen: 4.057 ug/l

RT: 12.38 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX013059.D

Acq: 14 Oct 2019 18:03

Instrument :

MSVOA_X

ClientSampleId :

FA19-JBW7333

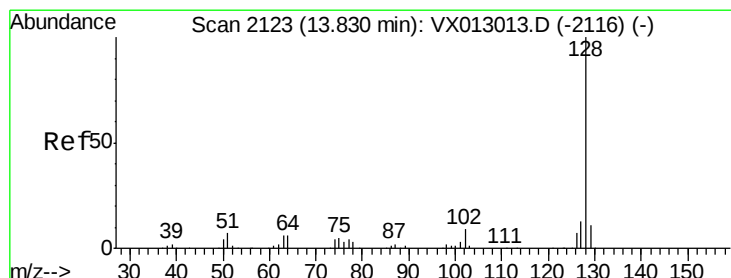
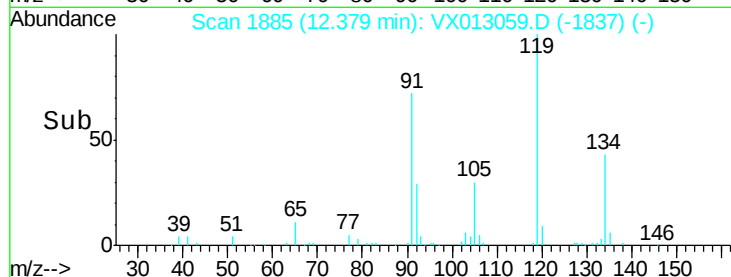
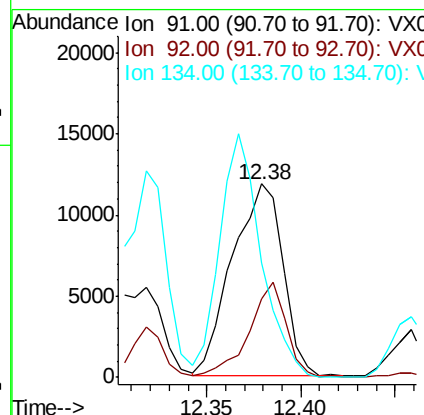
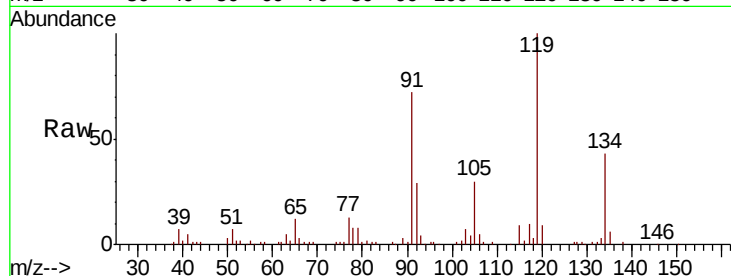
Tot Ion: 91 Resp: 22125

Ion Ratio Lower Upper

91 100

92 36.3 27.5 82.5

134 103.0 12.9 38.7#



#95

Naphthalene

Concen: 3.654 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX013059.D

Acq: 14 Oct 2019 18:03

Tgt Ion: 128 Resp: 25236

Ion Ratio Lower Upper

128 100

127 13.7 10.2 15.4

129 15.0 8.8 13.2#

