

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101119\
 Data File : VX013034.D
 Acq On : 11 Oct 2019 22:10
 Operator : JC/SP
 Sample : K5307-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 391009764.2-VOA

Quant Time: Oct 12 05:43:16 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	174310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	286208	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	242506	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	99748	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	108947	50.01	ug/l	0.00
Spiked Amount			Recovery	=	100.02%	
35) Dibromofluoromethane	5.49	113	83221	50.66	ug/l	0.00
Spiked Amount			Recovery	=	101.32%	
50) Toluene-d8	8.71	98	334501	52.21	ug/l	0.00
Spiked Amount			Recovery	=	104.42%	
62) 4-Bromofluorobenzene	11.13	95	111957	44.97	ug/l	0.00
Spiked Amount			Recovery	=	89.94%	

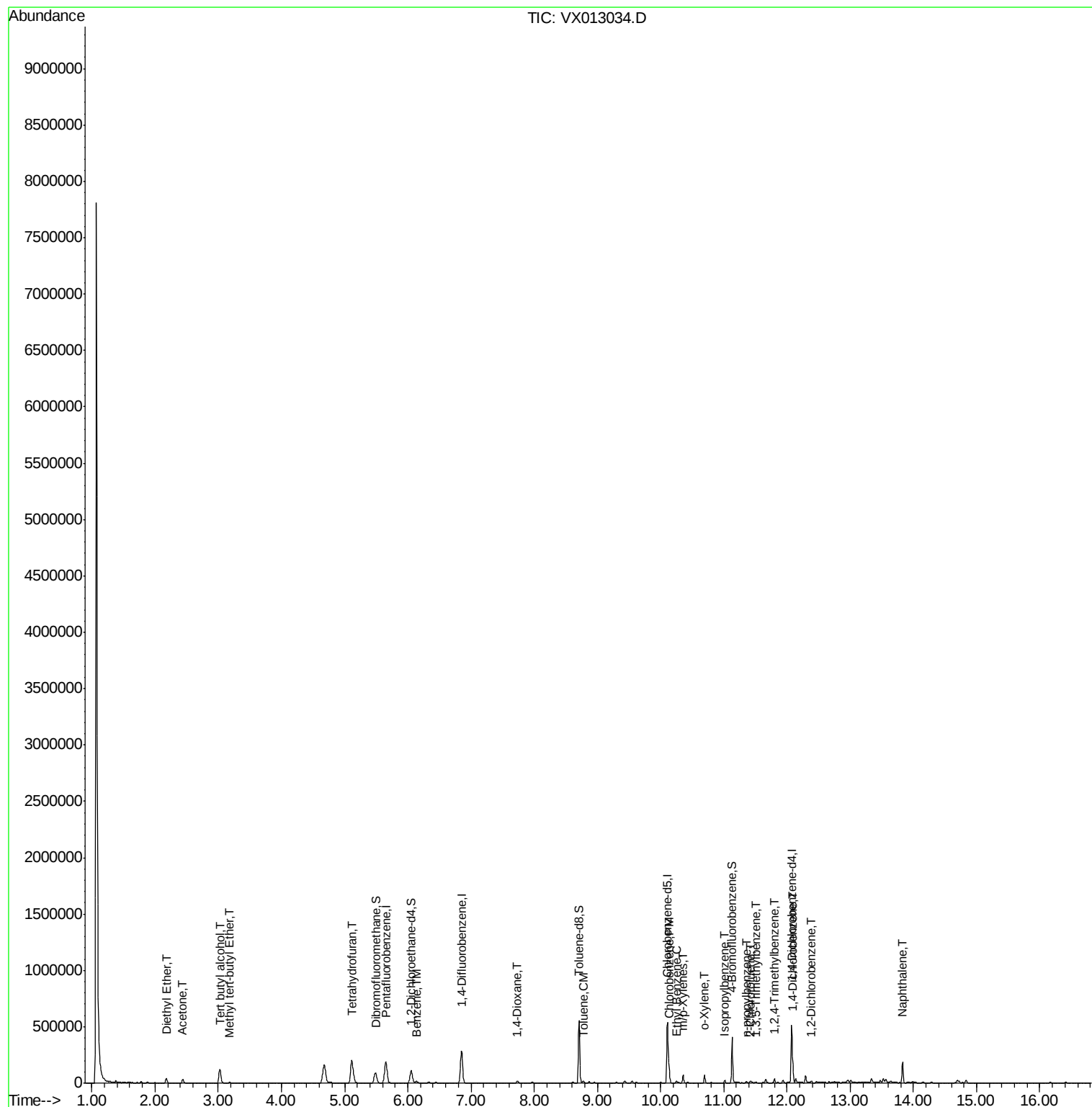
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.18	74	13005	11.960	ug/l	98
11) Tert butyl alcohol	3.03	59	149553	258.948	ug/l	100
16) Acetone	2.43	43	5343	4.653	ug/l	92
19) Methyl tert-butyl Ether	3.19	73	5084	0.836	ug/l	97
29) Tetrahydrofuran	5.11	42	191627	195.458	ug/l	99
40) Benzene	6.14	78	15748	2.119	ug/l	96
49) 1,4-Dioxane	7.73	88	12320	236.369	ug/l	93
52) Toluene	8.78	92	3748	0.788	ug/l	93
65) Chlorobenzene	10.14	112	64596	13.413	ug/l	98
67) Ethyl Benzene	10.25	91	11272	1.318	ug/l	100
68) m/p-Xylenes	10.35	106	14293	4.473	ug/l	96
69) o-Xylene	10.70	106	16220	5.205	ug/l	100
73) Isopropylbenzene	11.01	105	12234	1.668	ug/l	98
78) n-propylbenzene	11.35	91	5713	0.708	ug/l	98
79) 2-Chlorotoluene	11.42	91	5727	1.129	ug/l	95
80) 1,3,5-Trimethylbenzene	11.50	105	3302	0.539	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	17482	2.819	ug/l	96
88) 1,4-Dichlorobenzene	12.09	146	36635	11.272	ug/l	96
91) 1,2-Dichlorobenzene	12.38	146	2714	0.863	ug/l	97
95) Naphthalene	13.83	128	112825	16.514	ug/l	99

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX013034.D

Acq: 11 Oct 2019 22:10

Instrument :

MSVOA_X

ClientSampleId :

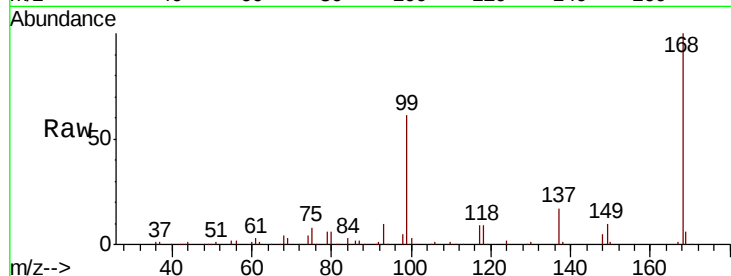
391009764.2-VOA

Tot Ion:168 Resp: 174310

Ion Ratio Lower Upper

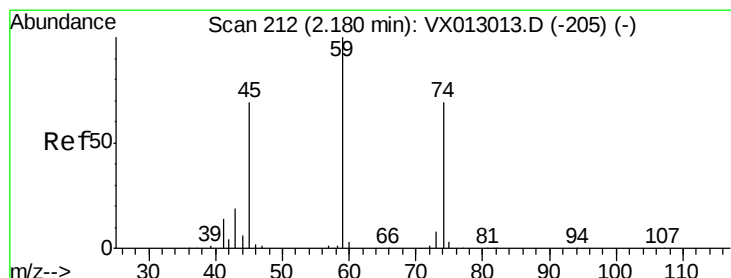
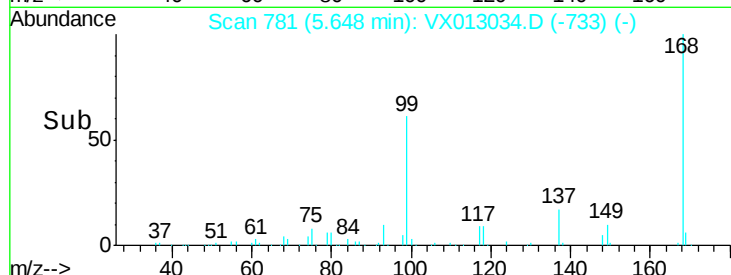
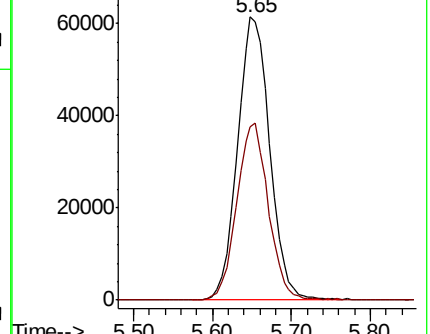
168 100

99 61.4 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 11.960 ug/l

RT: 2.18 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX013034.D

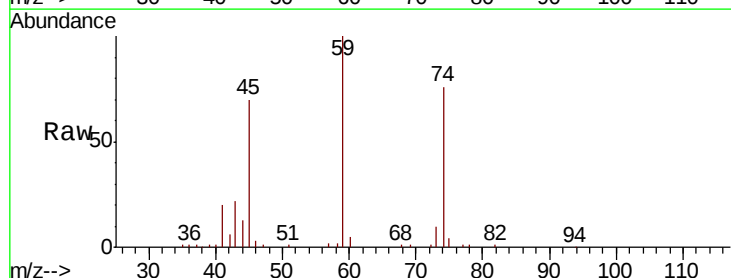
Acq: 11 Oct 2019 22:10

Tgt Ion: 74 Resp: 13005

Ion Ratio Lower Upper

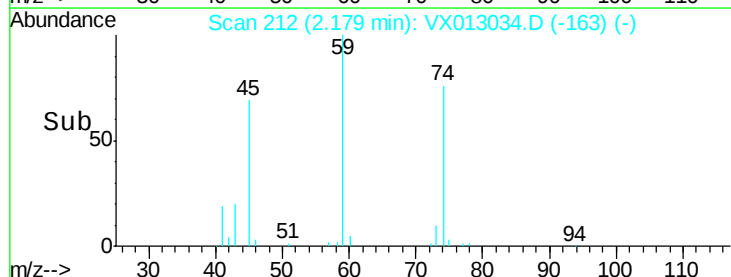
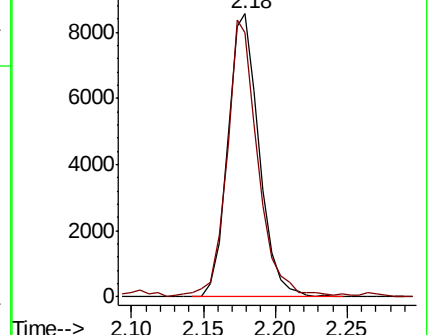
74 100

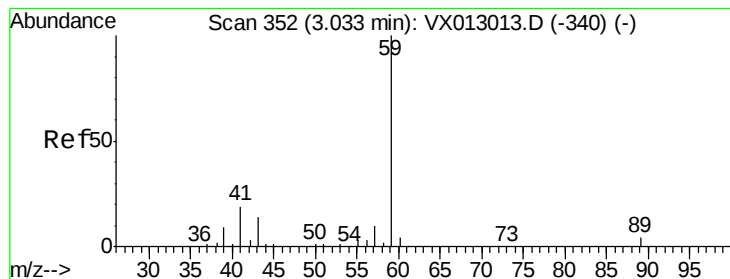
45 97.1 47.8 143.4



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



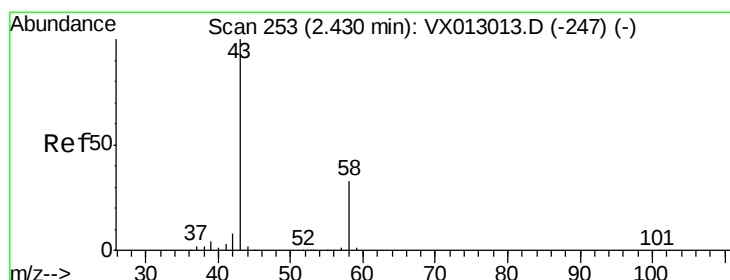
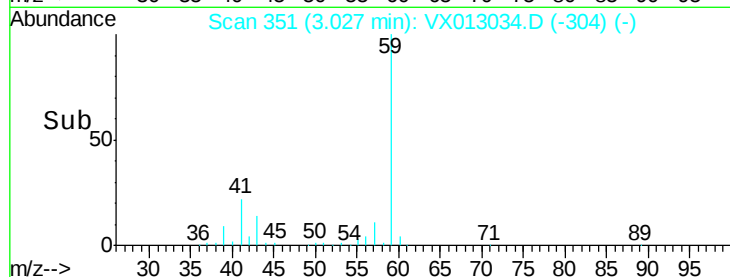
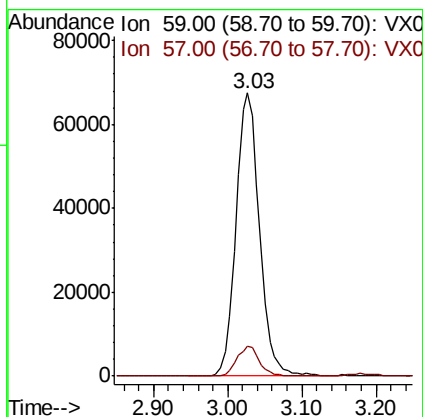
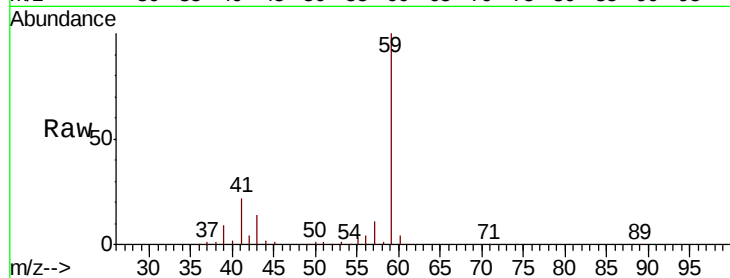


#11

Tert butyl alcohol
 Concen: 258.948 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.01 min
 Lab File: VX013034.D
 Acq: 11 Oct 2019 22:10

Instrument :
 MSVOA_X
 ClientSampleId :
 391009764.2-VOA

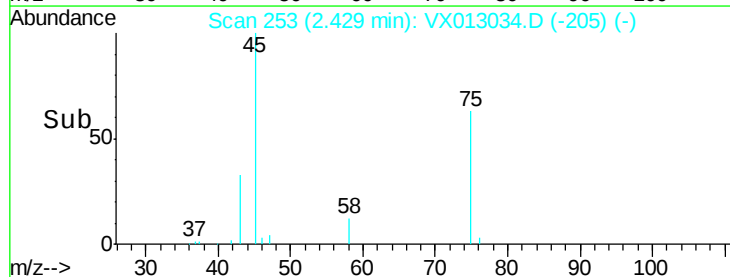
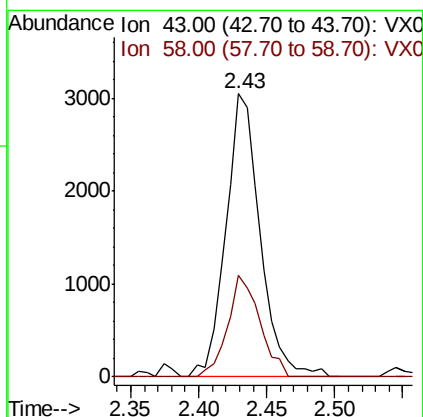
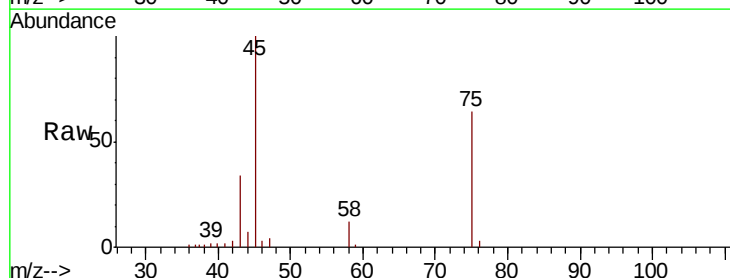
Tot Ion: 59 Resp: 149553
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.3 12.5

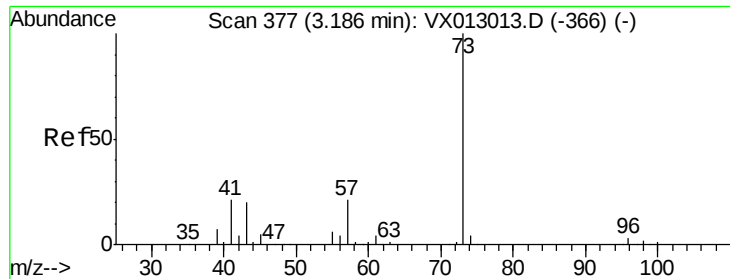


#16

Acetone
 Concen: 4.653 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX013034.D
 Acq: 11 Oct 2019 22:10

Tgt Ion: 43 Resp: 5343
 Ion Ratio Lower Upper
 43 100
 58 36.0 25.4 38.2

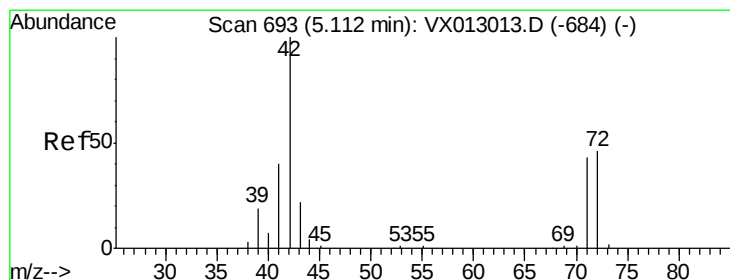
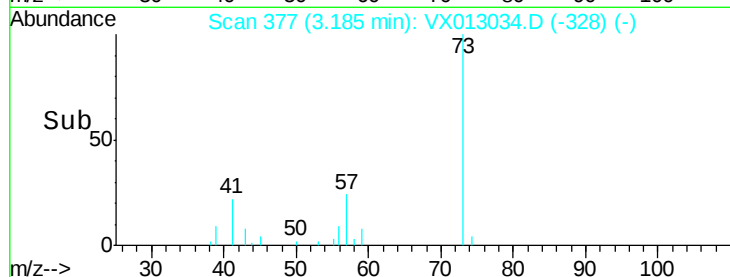
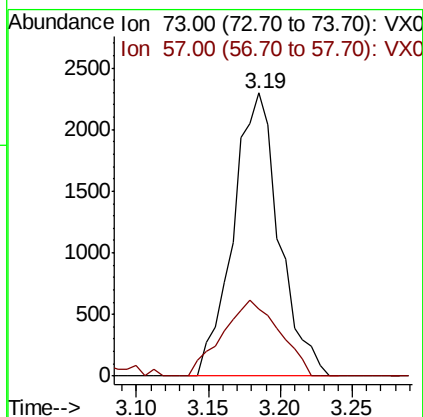
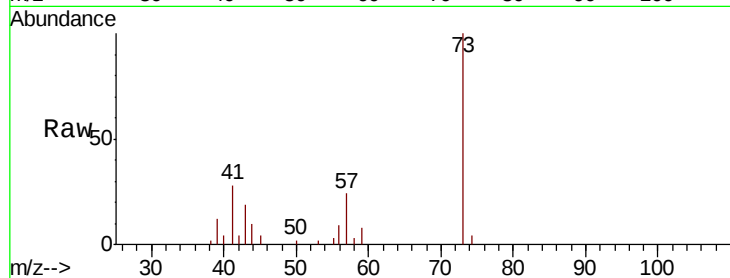




#19
Methvl tert-butvl Ether
Concen: 0.836 ug/l
RT: 3.19 min Scan# 377
Delta R.T. -0.00 min
Lab File: VX013034.D
Acq: 11 Oct 2019 22:10

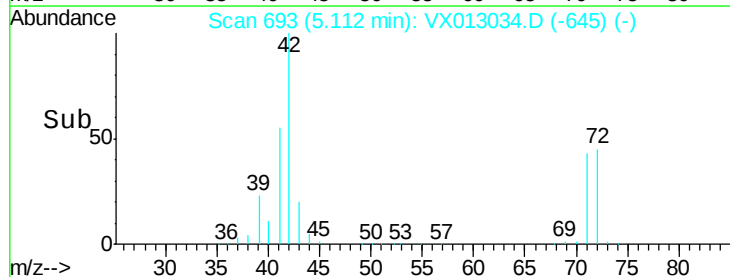
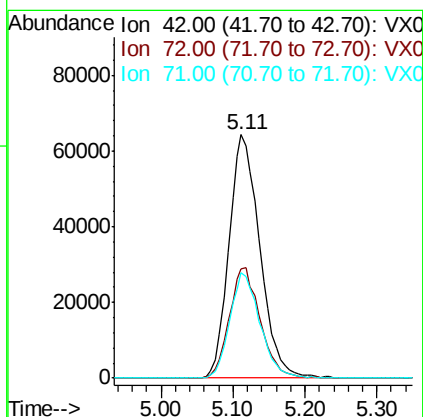
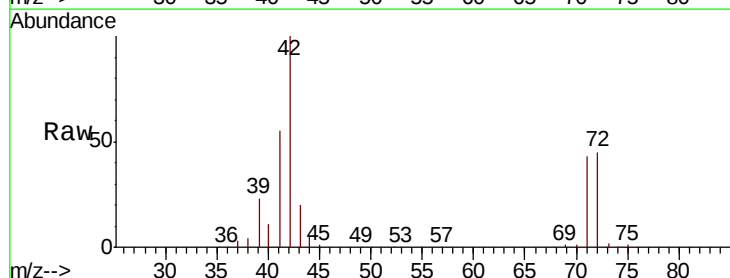
Instrument :
MSVOA_X
ClientSampleId :
391009764.2-VOA

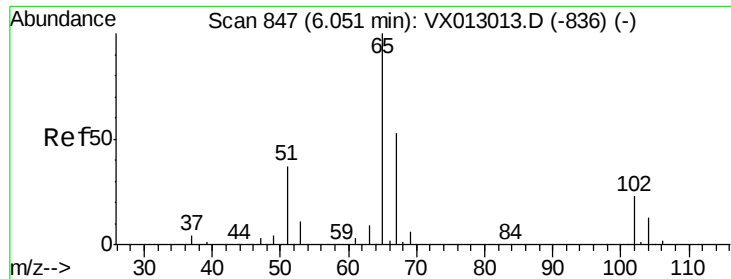
Tot Ion: 73 Resp: 5084
Ion Ratio Lower Upper
73 100
57 23.7 17.8 26.6



#29
Tetrahydrofuran
Concen: 195.458 ug/l
RT: 5.11 min Scan# 693
Delta R.T. -0.01 min
Lab File: VX013034.D
Acq: 11 Oct 2019 22:10

Tgt Ion: 42 Resp: 191627
Ion Ratio Lower Upper
42 100
72 45.2 36.9 55.3
71 42.4 33.5 50.3

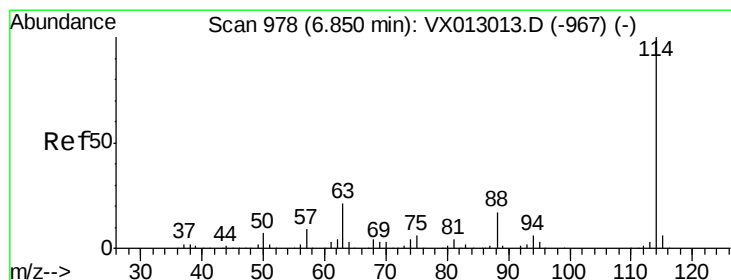
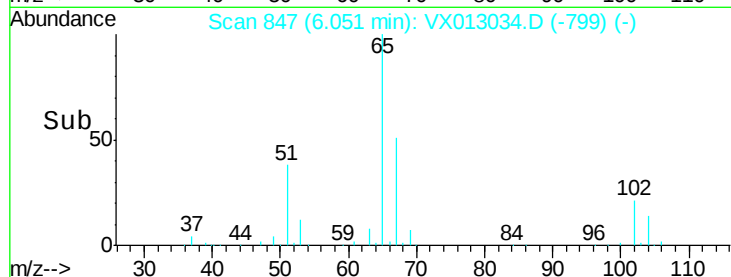
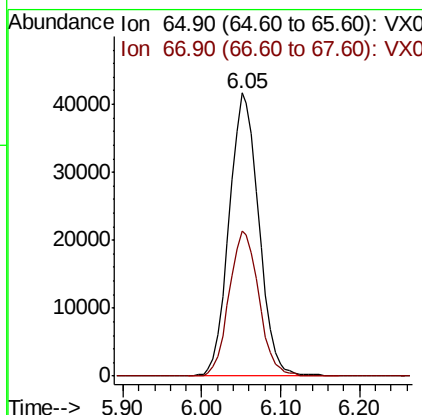
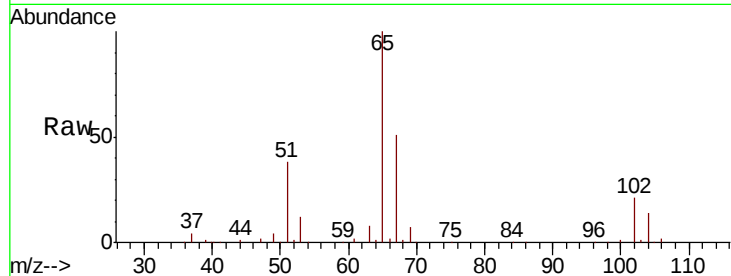




#33
 1,2-Dichloroethane-d4
 Concen: 50.007 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX013034.D
 Acq: 11 Oct 2019 22:10

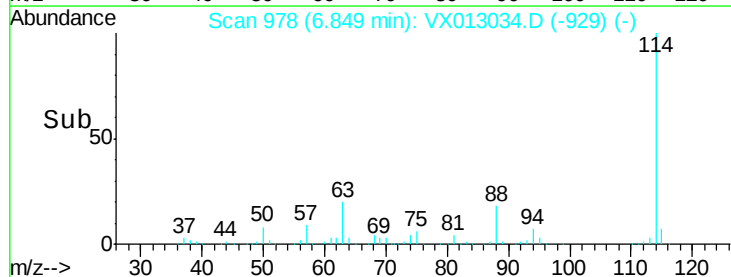
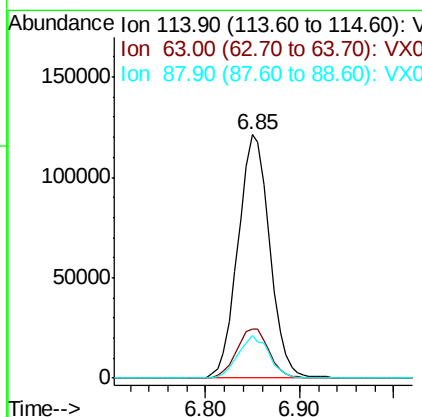
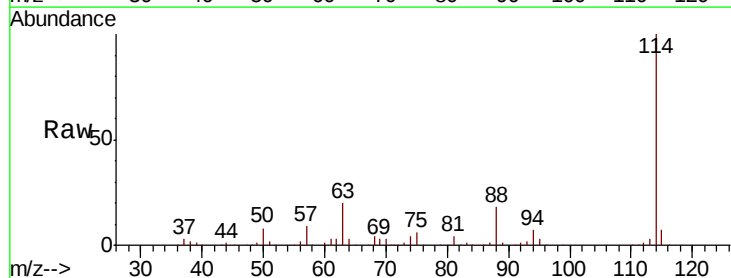
Instrument :
 MSVOA_X
 ClientSampleId :
 391009764.2-VOA

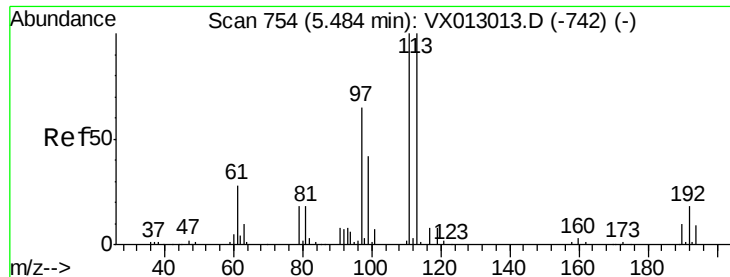
Tot Ion: 65 Resp: 108947
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013034.D
 Acq: 11 Oct 2019 22:10

Tgt Ion: 114 Resp: 286208
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 40.8
 88 17.5 0.0 33.8





#35

Dibromofluoromethane

Concen: 50.662 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013034.D

Acq: 11 Oct 2019 22:10

Instrument :

MSVOA_X

ClientSampleId :

391009764.2-VOA

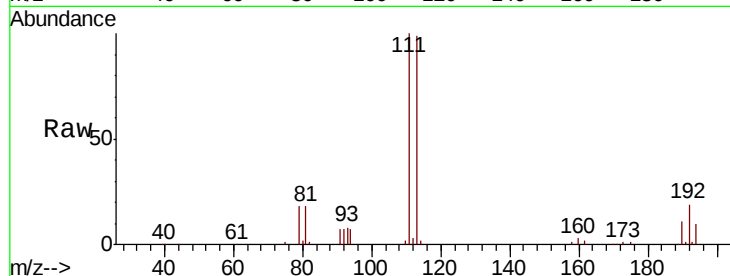
Tot Ion:113 Resp: 83221

Ion Ratio Lower Upper

113 100

111 102.6 83.2 124.8

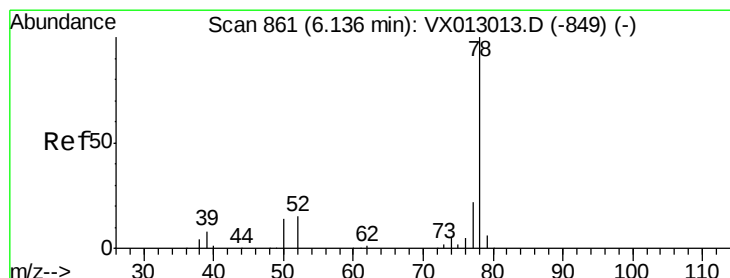
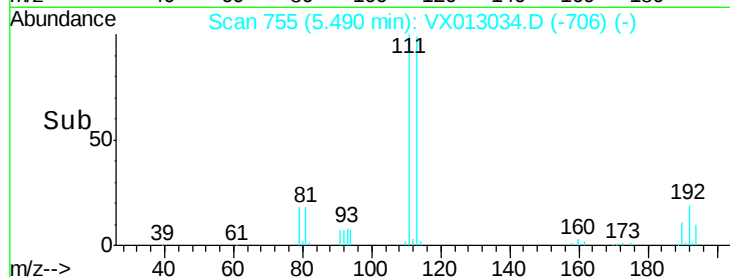
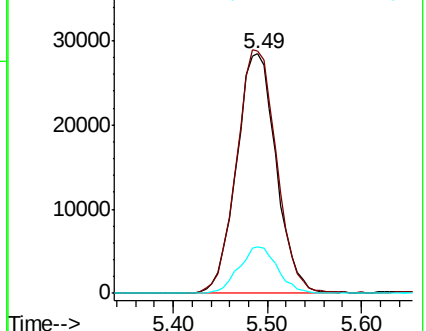
192 19.0 15.4 23.2



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



#40

Benzene

Concen: 2.119 ug/l

RT: 6.14 min Scan# 861

Delta R.T. -0.00 min

Lab File: VX013034.D

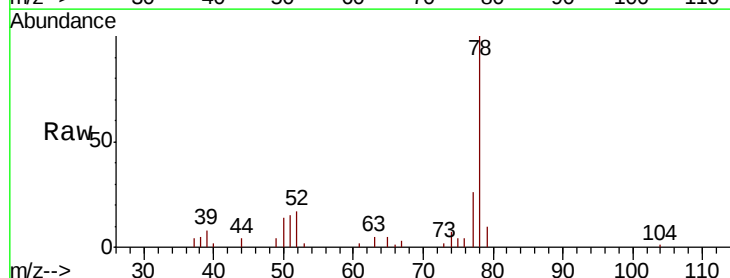
Acq: 11 Oct 2019 22:10

Tgt Ion: 78 Resp: 15748

Ion Ratio Lower Upper

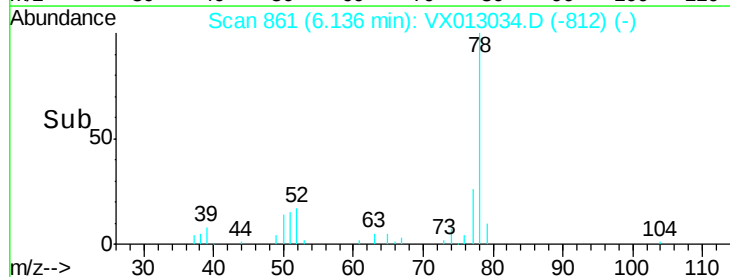
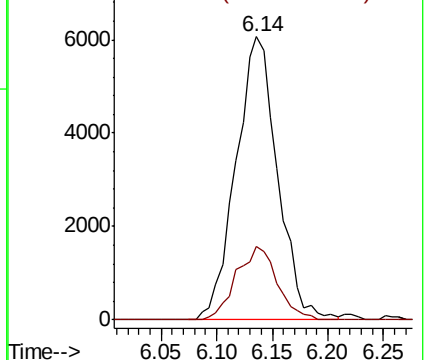
78 100

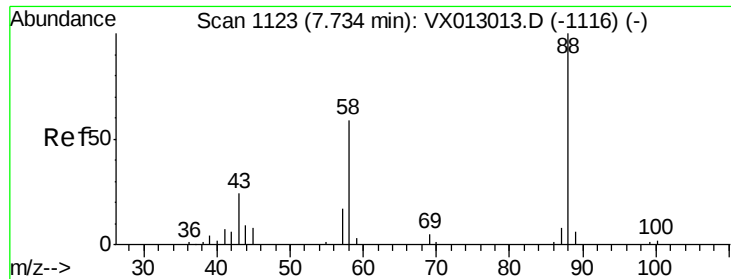
77 25.9 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

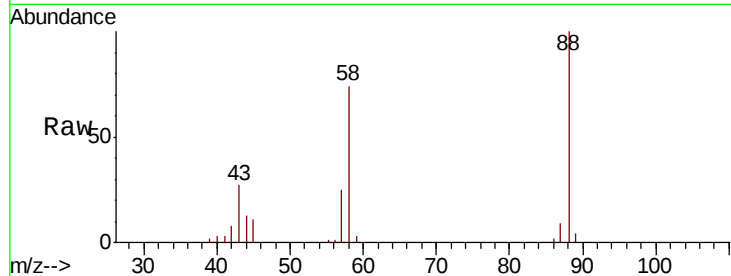




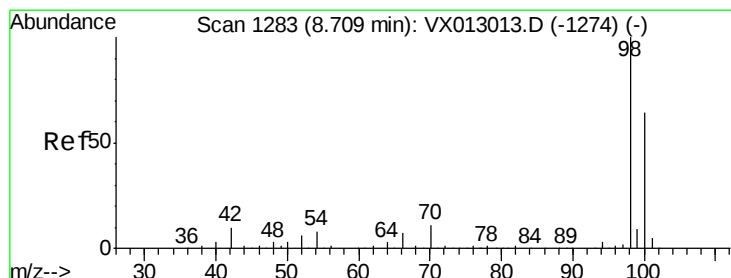
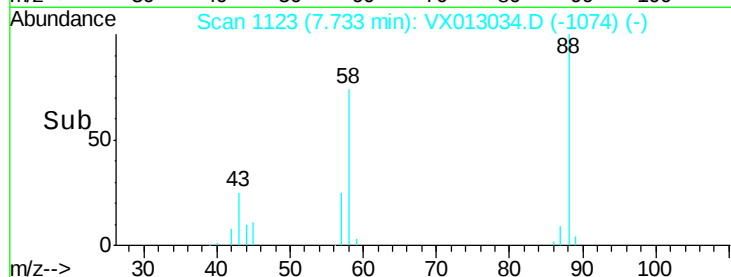
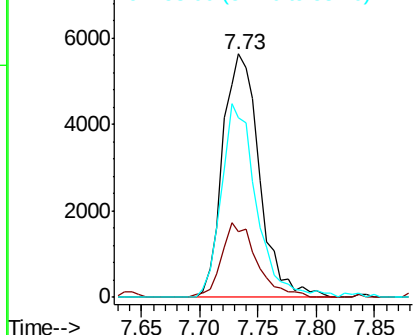
#49
1,4-Dioxane
Concen: 236.369 ug/l
RT: 7.73 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VX013034.D
Acq: 11 Oct 2019 22:10

Instrument :
MSVOA_X
ClientSampleId :
391009764.2-VOA

Tot Ion: 88 Resp: 12320
Ion Ratio Lower Upper
88 100
43 29.1 25.0 37.6
58 75.8 55.4 83.2

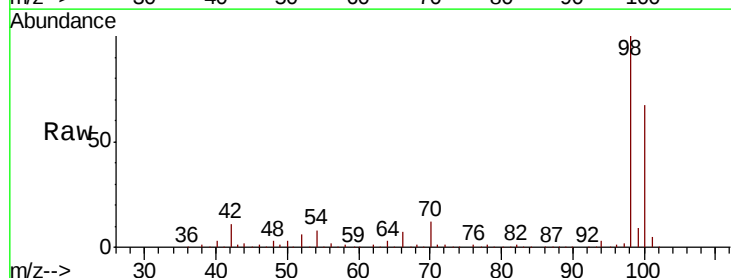


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

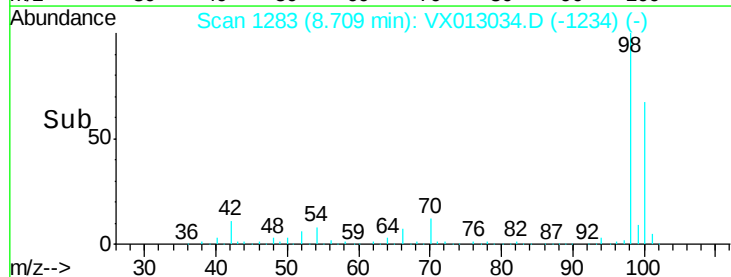
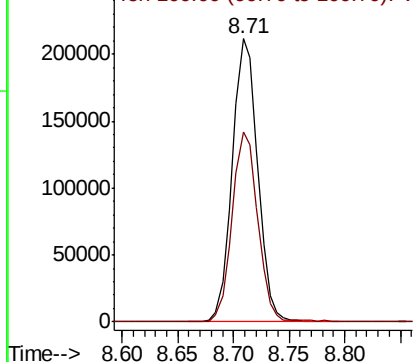


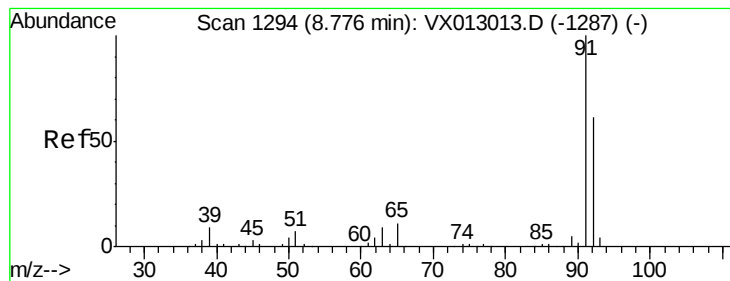
#50
Toluene-d8
Concen: 52.210 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013034.D
Acq: 11 Oct 2019 22:10

Tgt Ion: 98 Resp: 334501
Ion Ratio Lower Upper
98 100
100 67.3 53.4 80.2



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





#52

Toluene

Concen: 0.788 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX013034.D

Acq: 11 Oct 2019 22:10

Instrument :

MSVOA_X

ClientSampleId :

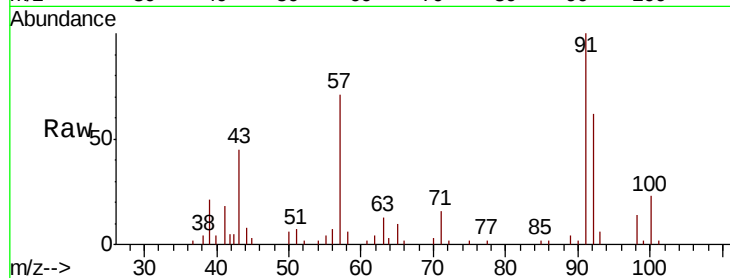
391009764.2-VOA

Tot Ion: 92 Resp: 3748

Ion Ratio Lower Upper

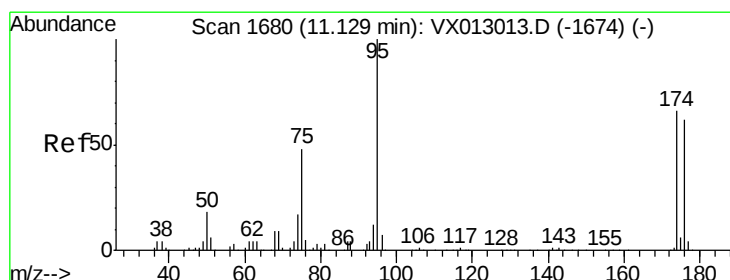
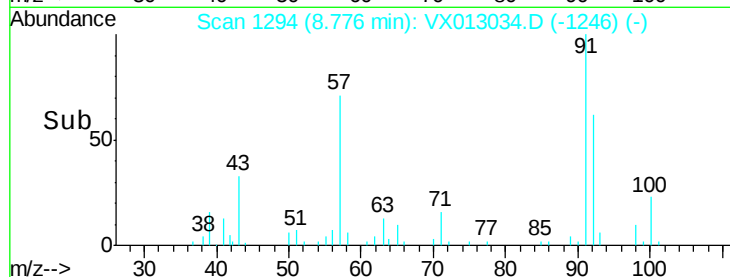
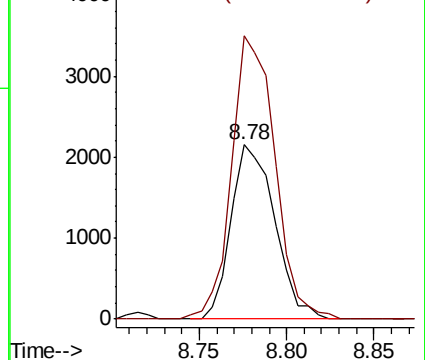
92 100

91 160.9 135.9 203.9



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 44.973 ug/l

RT: 11.13 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013034.D

Acq: 11 Oct 2019 22:10

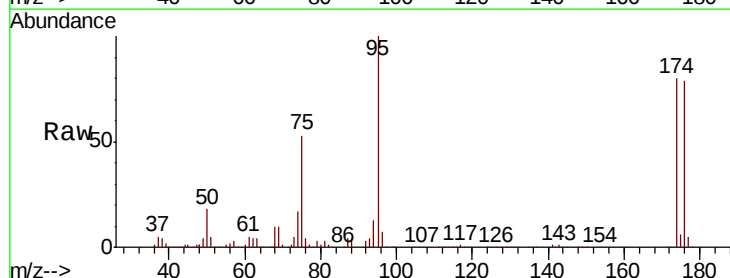
Tgt Ion: 95 Resp: 111957

Ion Ratio Lower Upper

95 100

174 76.3 0.0 143.4

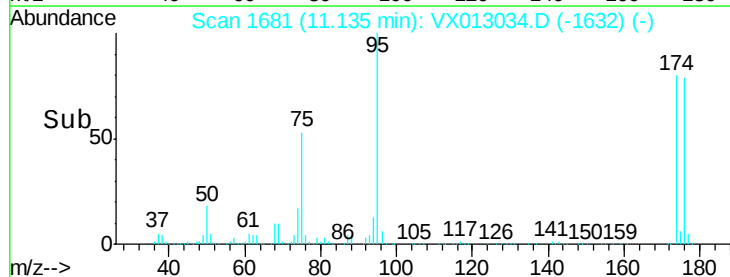
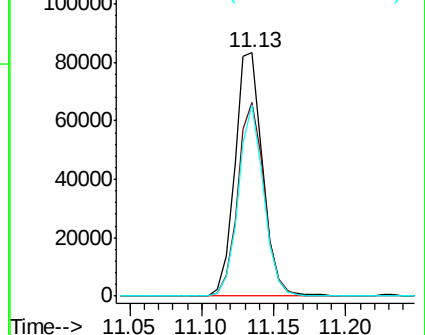
176 71.8 0.0 136.0

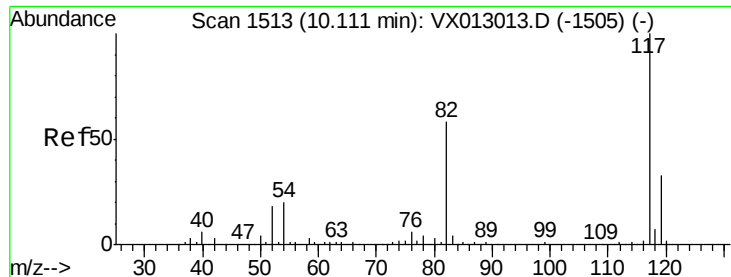


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

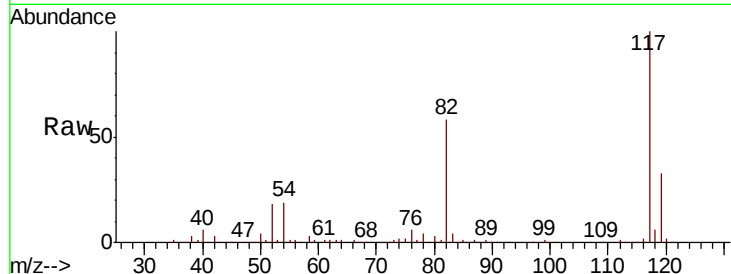




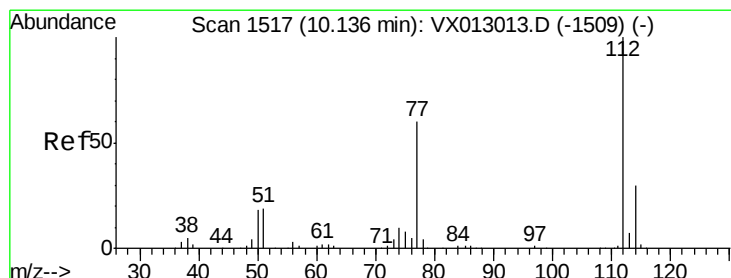
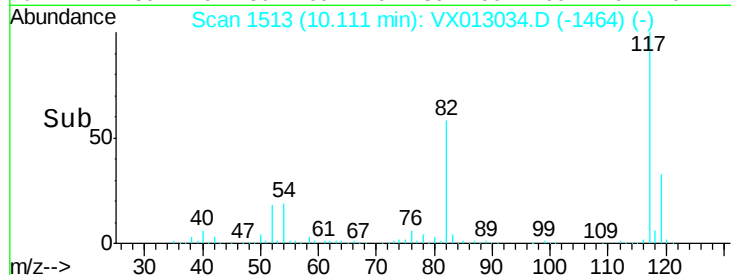
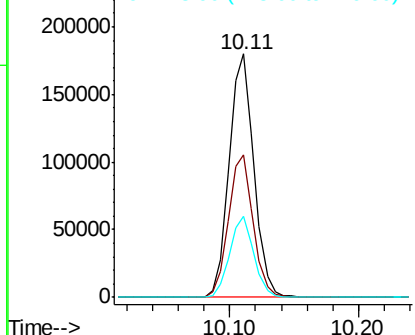
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013034.D
Acq: 11 Oct 2019 22:10

Instrument :
MSVOA_X
ClientSampleId :
391009764.2-VOA

Tot Ion:117 Resp: 242506
Ion Ratio Lower Upper
117 100
82 58.4 44.1 66.1
119 33.2 25.8 38.8

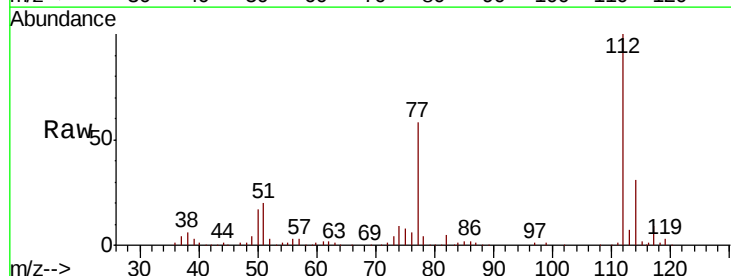


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

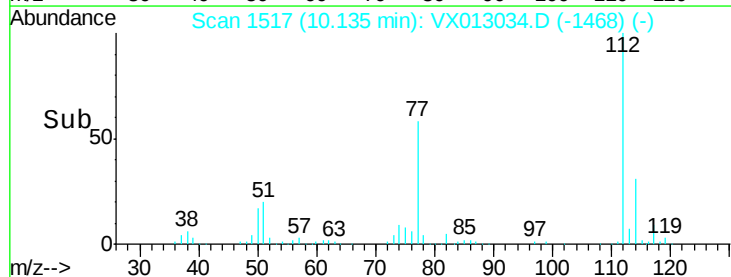
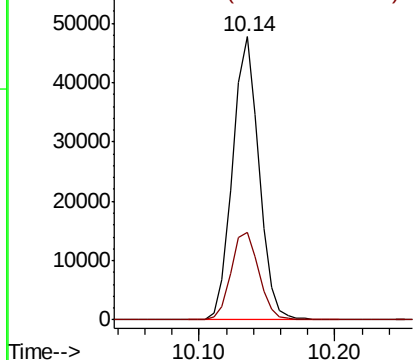


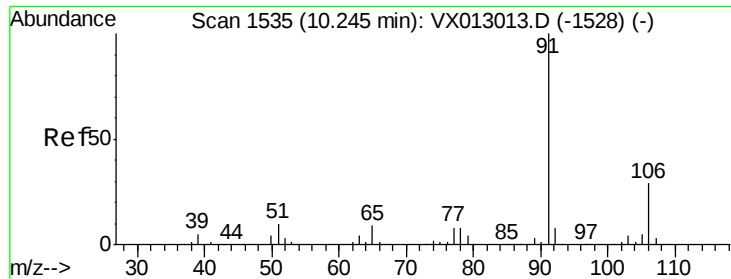
#65
Chlorobenzene
Concen: 13.413 ug/l
RT: 10.14 min Scan# 1517
Delta R.T. -0.00 min
Lab File: VX013034.D
Acq: 11 Oct 2019 22:10

Tgt Ion:112 Resp: 64596
Ion Ratio Lower Upper
112 100
114 30.9 25.7 38.5



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

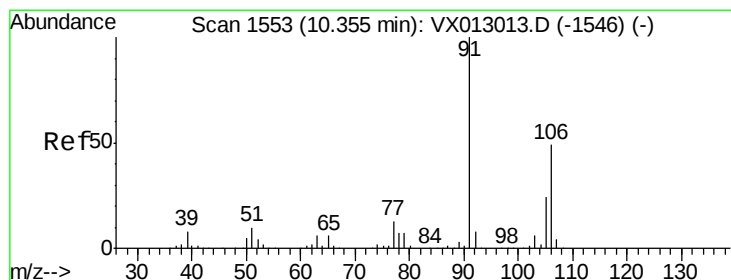
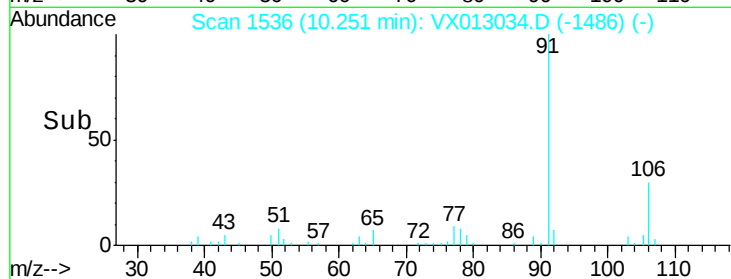
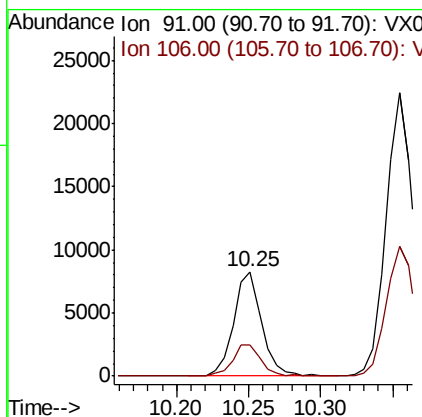
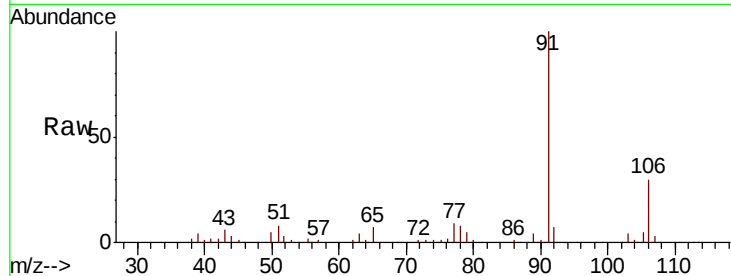




#67
Ethyl Benzene
Concen: 1.318 ug/l
RT: 10.25 min Scan# 1536
Delta R.T. 0.01 min
Lab File: VX013034.D
Acq: 11 Oct 2019 22:10

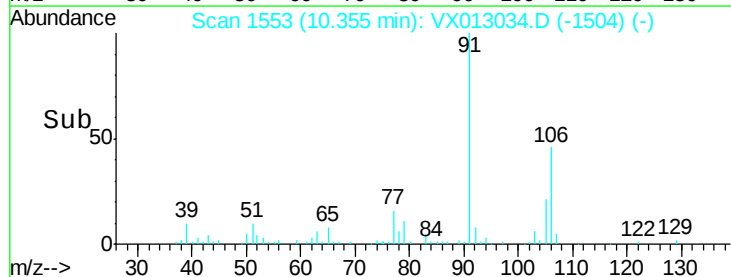
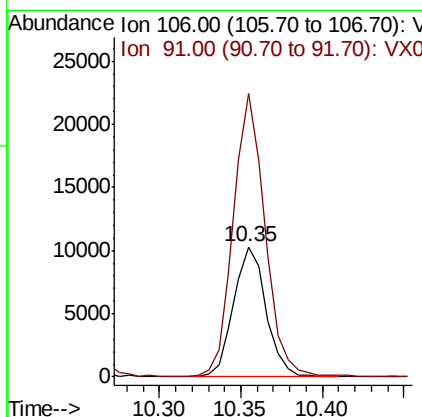
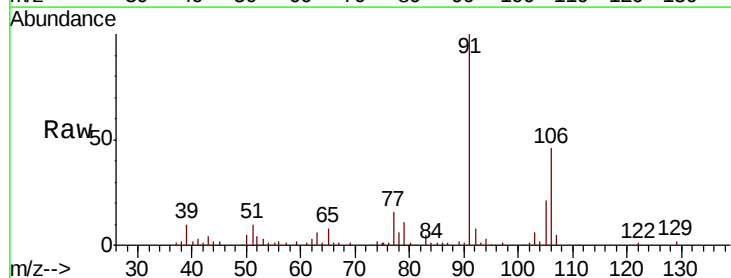
Instrument :
MSVOA_X
ClientSampleId :
391009764.2-VOA

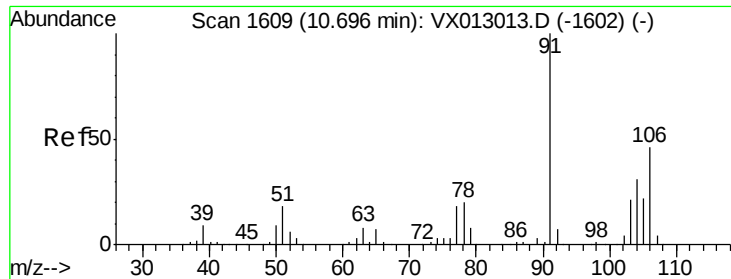
Tot Ion: 91 Resp: 11272
Ion Ratio Lower Upper
91 100
106 30.0 23.9 35.9



#68
m/p-Xylenes
Concen: 4.473 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013034.D
Acq: 11 Oct 2019 22:10

Tgt Ion: 106 Resp: 14293
Ion Ratio Lower Upper
106 100
91 212.7 165.3 247.9

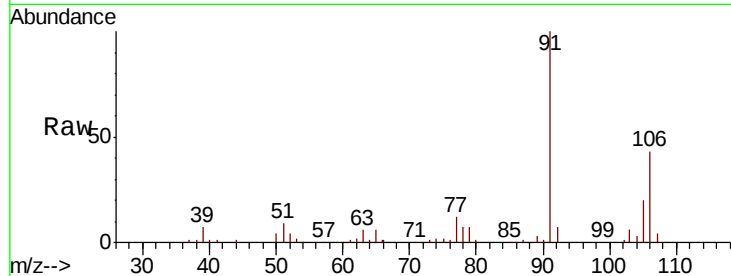




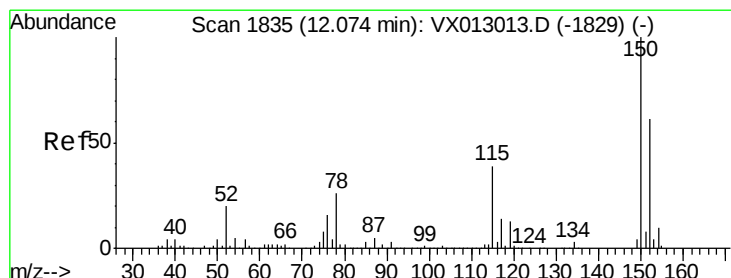
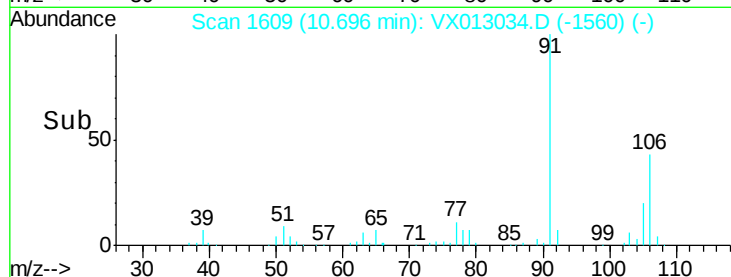
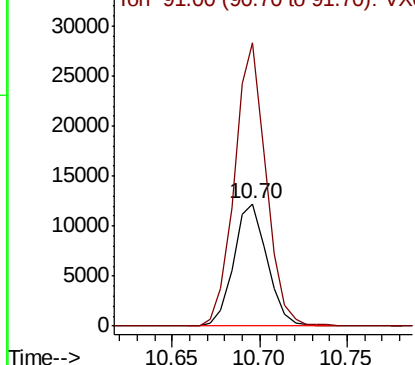
#69
o-Xylene
Concen: 5.205 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013034.D
Acq: 11 Oct 2019 22:10

Instrument :
MSVOA_X
ClientSampleId :
391009764.2-VOA

Tot Ion:106 Resp: 16220
Ion Ratio Lower Upper
106 100
91 218.4 109.1 327.3

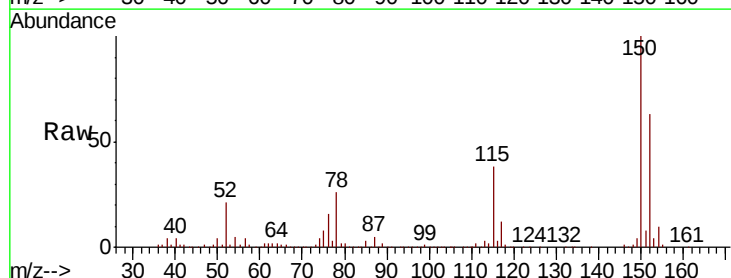


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

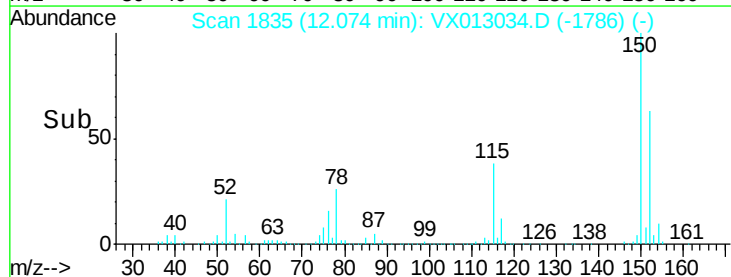
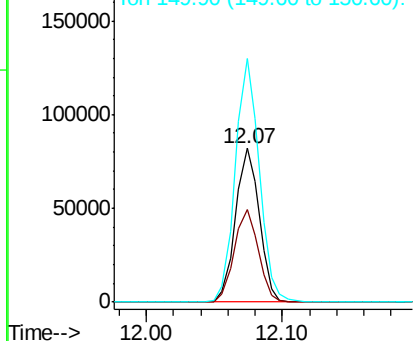


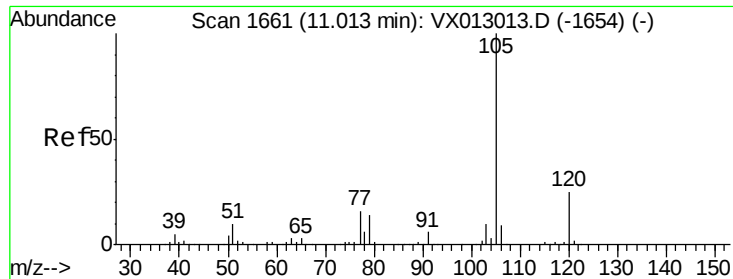
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013034.D
Acq: 11 Oct 2019 22:10

Tgt Ion:152 Resp: 99748
Ion Ratio Lower Upper
152 100
115 61.1 44.5 133.5
150 159.3 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: 1.668 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX013034.D

Acq: 11 Oct 2019 22:10

Instrument :

MSVOA_X

ClientSampleId :

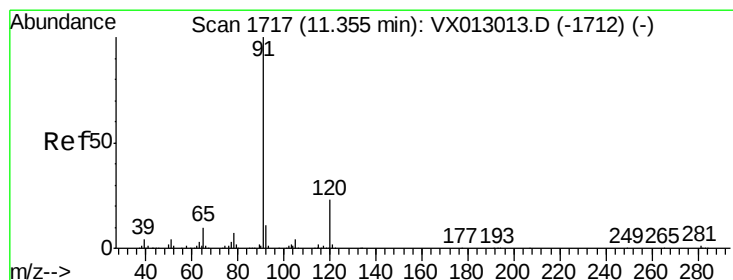
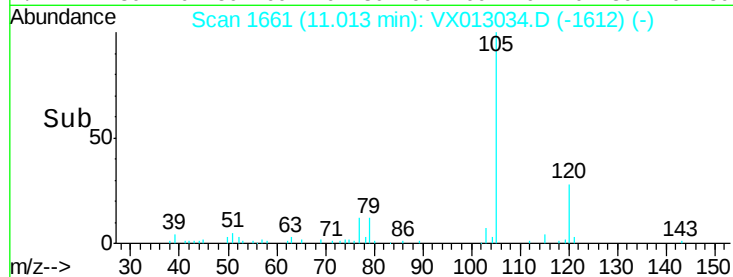
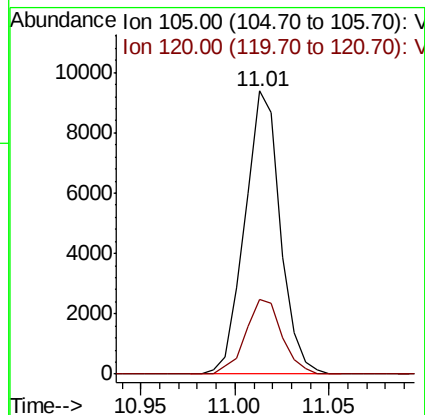
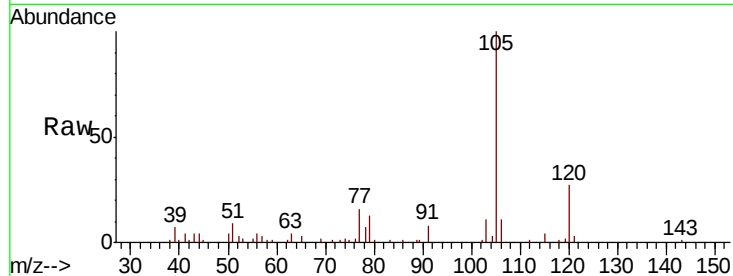
391009764.2-VOA

Tot Ion:105 Resp: 12234

Ion Ratio Lower Upper

105 100

120 27.2 13.0 39.0



#78

n-propylbenzene

Concen: 0.708 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013034.D

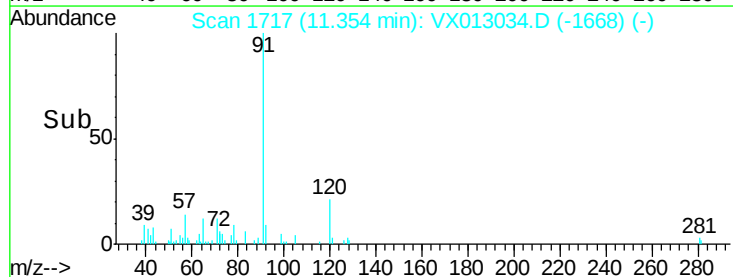
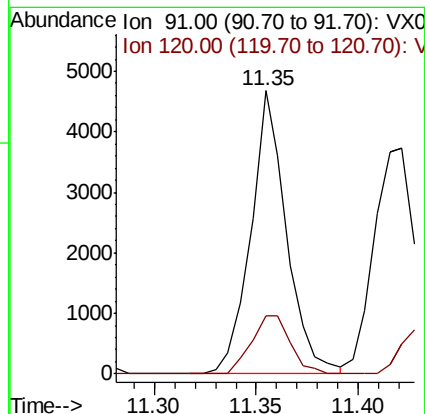
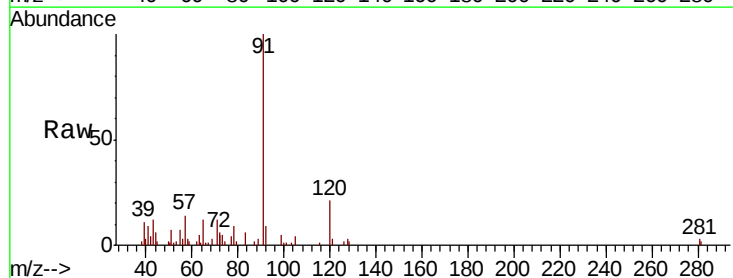
Acq: 11 Oct 2019 22:10

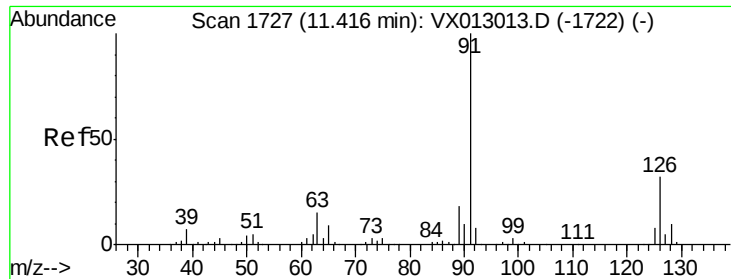
Tgt Ion: 91 Resp: 5713

Ion Ratio Lower Upper

91 100

120 22.3 11.7 35.1

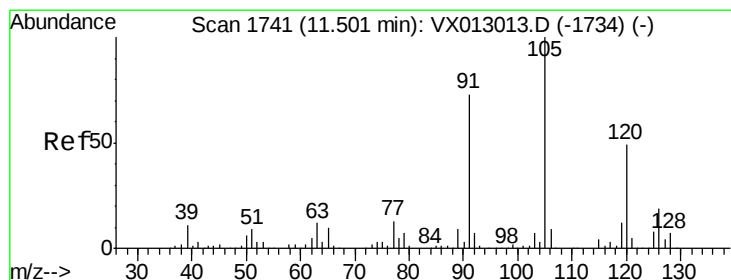
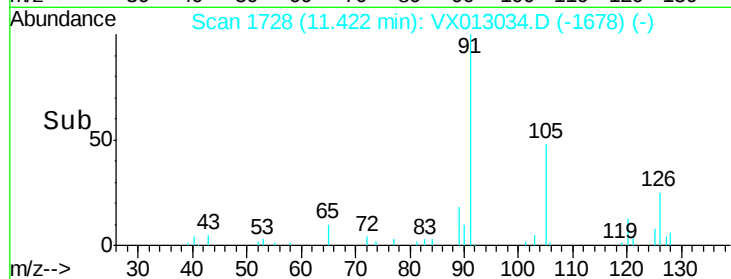
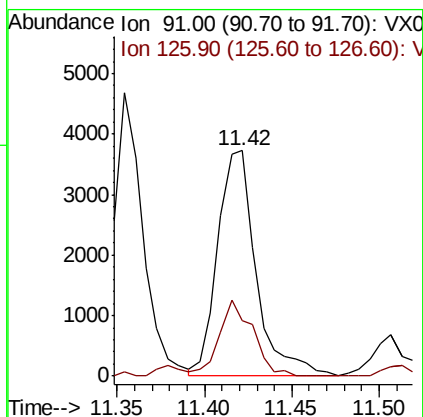
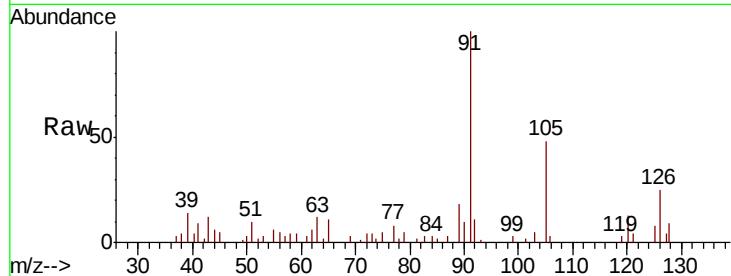




#79
 2-Chlorotoluene
 Concen: 1.129 ug/l
 RT: 11.42 min Scan# 1728
 Delta R.T. 0.01 min
 Lab File: VX013034.D
 Acq: 11 Oct 2019 22:10

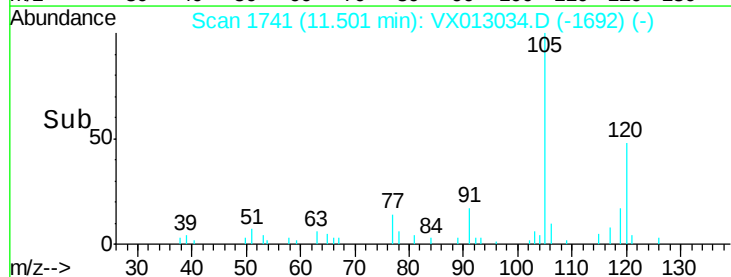
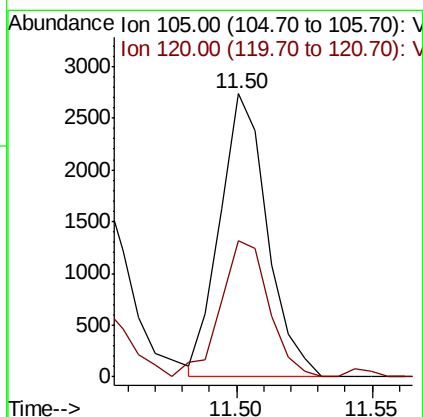
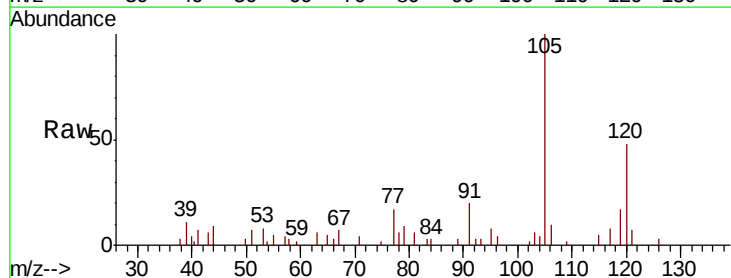
Instrument :
 MSVOA_X
 ClientSampleId :
 391009764.2-VOA

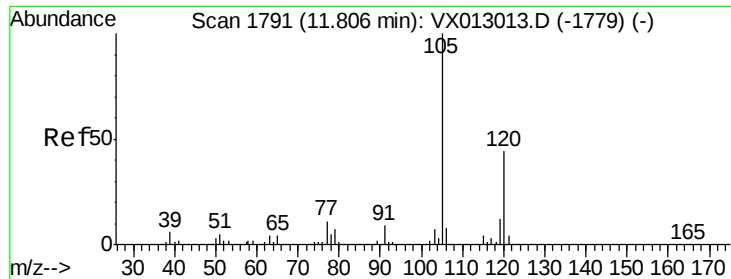
Tot Ion: 91 Resp: 5727
 Ion Ratio Lower Upper
 91 100
 126 29.5 16.3 48.8



#80
 1,3,5-Trimethylbenzene
 Concen: 0.539 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX013034.D
 Acq: 11 Oct 2019 22:10

Tgt Ion: 105 Resp: 3302
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.8 74.3

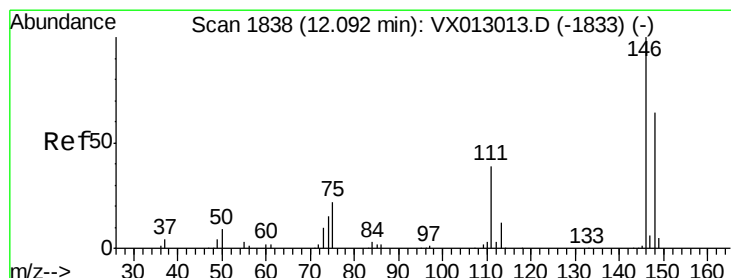
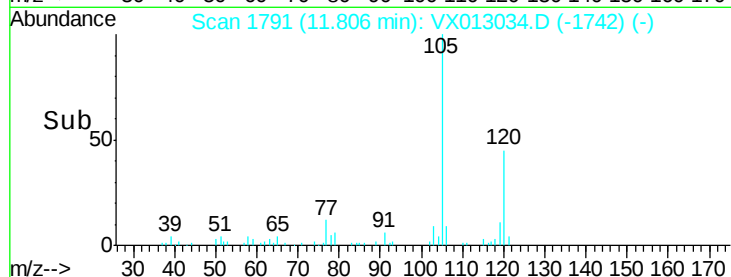
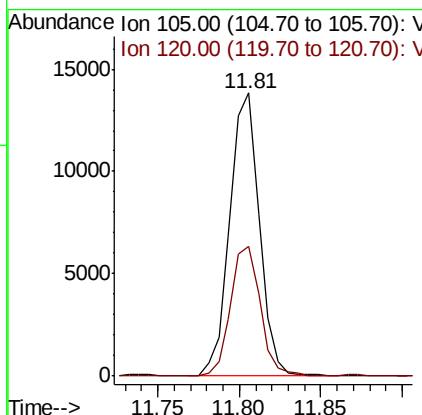
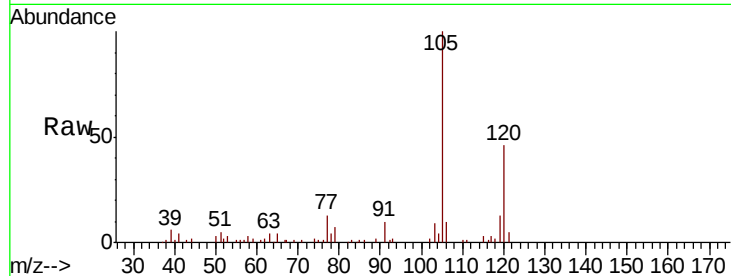




#84
 1,2,4-Trimethylbenzene
 Concen: 2.819 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX013034.D
 Acq: 11 Oct 2019 22:10

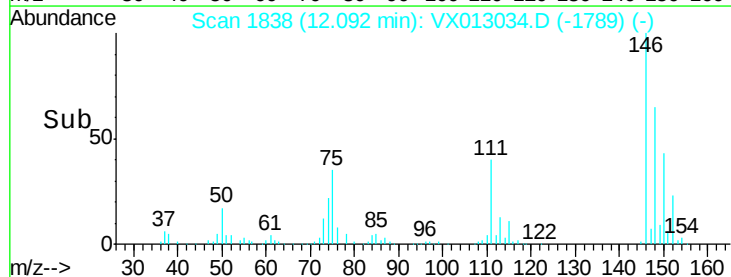
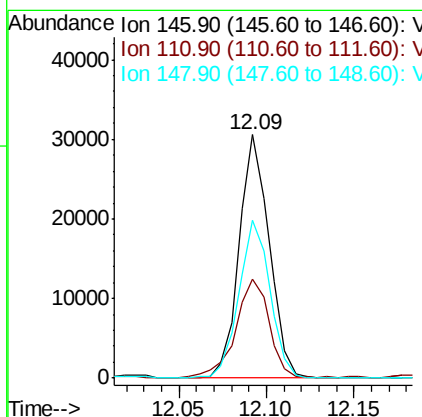
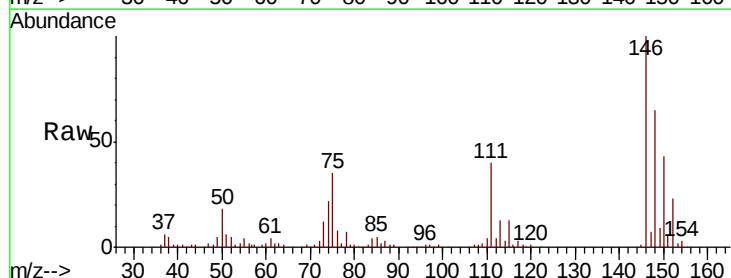
Instrument :
 MSVOA_X
 ClientSampleId :
 391009764.2-VOA

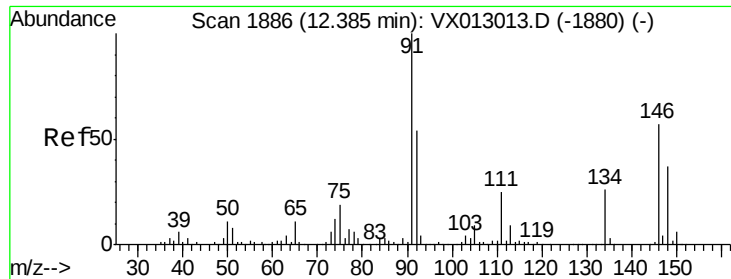
Tot Ion:105 Resp: 17482
 Ion Ratio Lower Upper
 105 100
 120 46.1 21.8 65.3



#88
 1,4-Dichlorobenzene
 Concen: 11.272 ug/l
 RT: 12.09 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VX013034.D
 Acq: 11 Oct 2019 22:10

Tgt Ion:146 Resp: 36635
 Ion Ratio Lower Upper
 146 100
 111 45.4 21.4 64.3
 148 67.1 32.1 96.5





#91

1,2-Dichlorobenzene

Concen: 0.863 ug/l

RT: 12.38 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX013034.D

Acq: 11 Oct 2019 22:10

Instrument :

MSVOA_X

ClientSampleId :

391009764.2-VOA

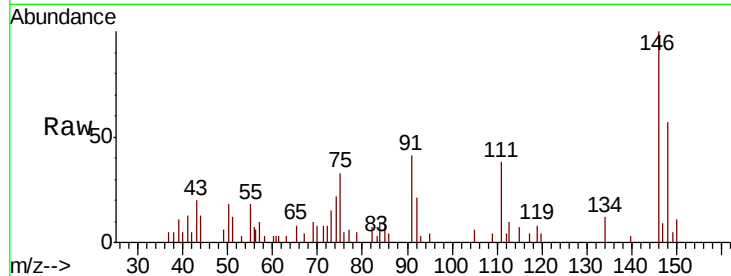
Tot Ion:146 Resp: 2714

Ion Ratio Lower Upper

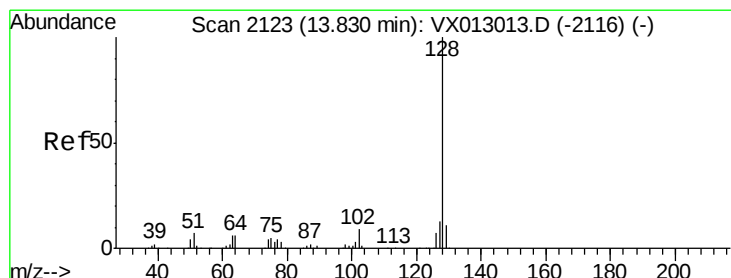
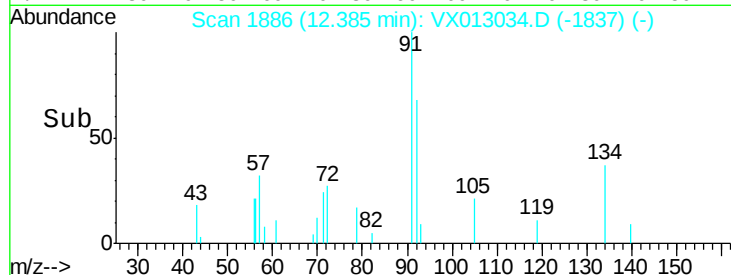
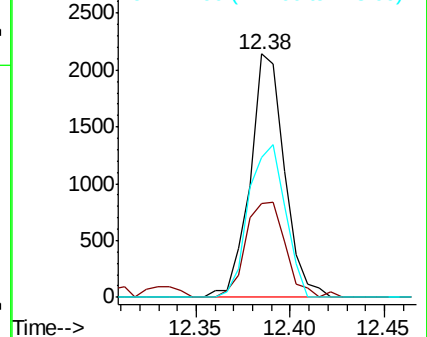
146 100

111 45.1 22.7 68.0

148 66.7 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#95

Naphthalene

Concen: 16.514 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX013034.D

Acq: 11 Oct 2019 22:10

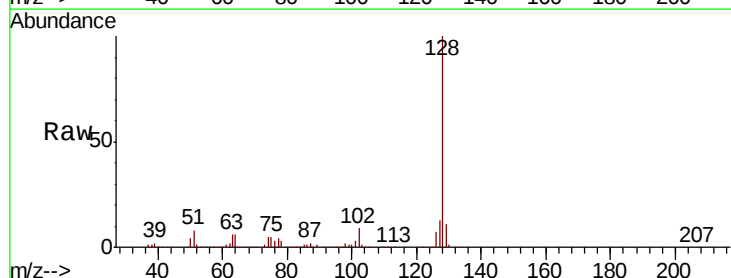
Tgt Ion:128 Resp: 112825

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.4

129 10.9 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

