

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012820\
 Data File : VX014754.D
 Acq On : 28 Jan 2020 16:39
 Operator : JC/SP
 Sample : L1267-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 40670

Quant Time: Jan 29 00:39:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 22 12:35:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	449271	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	704779	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	645415	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	314151	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	262541	50.04	ug/l	0.00
Spiked Amount			Recovery	=	100.08%	
35) Dibromofluoromethane	5.49	113	215632	48.49	ug/l	0.00
Spiked Amount			Recovery	=	96.98%	
50) Toluene-d8	8.71	98	852980	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	
62) 4-Bromofluorobenzene	11.13	95	299561	49.19	ug/l	0.00
Spiked Amount			Recovery	=	98.38%	

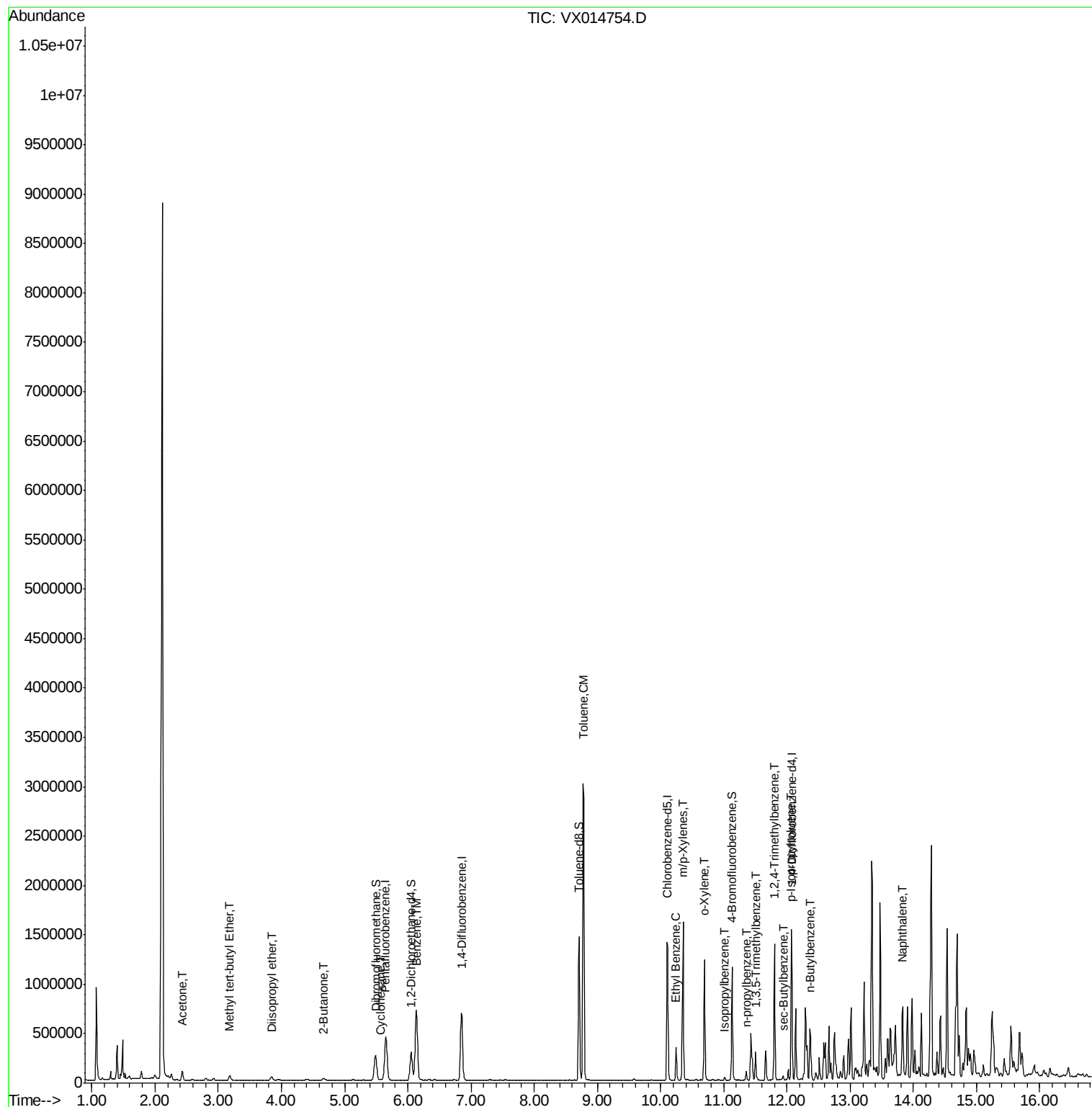
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.43	43	100449	35.063	ug/l	100
19) Methyl tert-butyl Ether	3.18	73	49324	3.372	ug/l	96
22) Diisopropyl ether	3.84	45	36395	2.279	ug/l #	82
25) 2-Butanone	4.66	43	31626	7.677	ug/l	98
31) Cyclohexane	5.57	56	5091	0.624	ug/l #	75
40) Benzene	6.14	78	860899	42.546	ug/l	98
52) Toluene	8.78	92	1140404	91.685	ug/l	99
67) Ethyl Benzene	10.25	91	190821	8.095	ug/l	99
68) m/p-Xylenes	10.35	106	380611	42.621	ug/l	99
69) o-Xylene	10.70	106	277059	32.137	ug/l	98
73) Isopropylbenzene	11.01	105	16302	0.738	ug/l	97
78) n-propylbenzene	11.35	91	51283	2.045	ug/l	97
80) 1,3,5-Trimethylbenzene	11.50	105	119639	6.526	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	603135	32.799	ug/l	100
85) sec-Butylbenzene	11.94	105	23702	1.123	ug/l	82
86) p-Isopropyltoluene	12.06	119	19914	1.021	ug/l	93
89) n-Butylbenzene	12.38	91	79320	4.670	ug/l #	31
95) Naphthalene	13.83	128	452706	21.106	ug/l	97

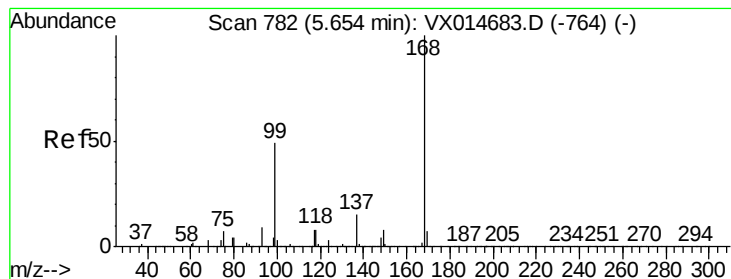
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX014754.D

Acq: 28 Jan 2020 16:39

Instrument :

MSVOA_X

ClientSampleId :

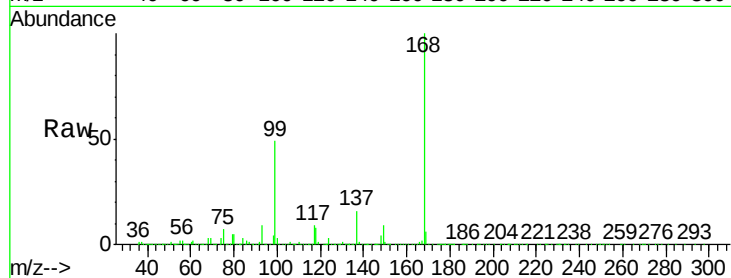
40670

Tot Ion:168 Resp: 449271

Ion Ratio Lower Upper

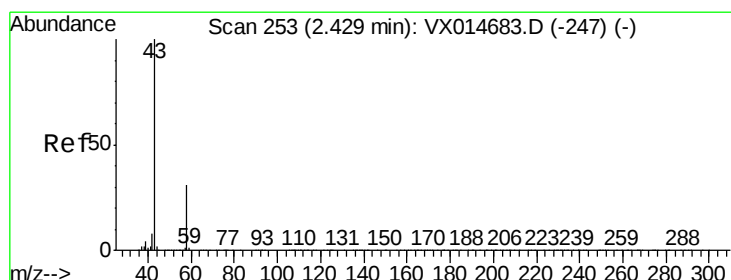
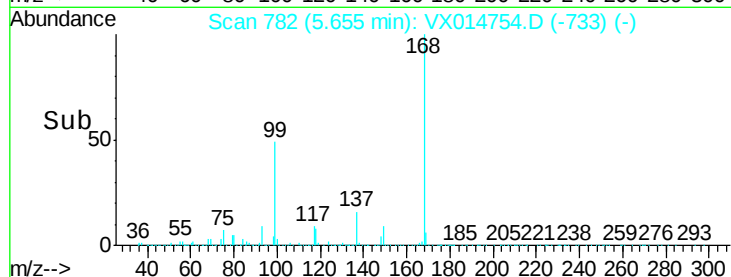
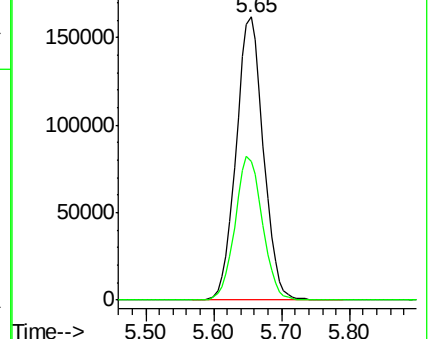
168 100

99 49.0 39.8 59.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 35.063 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014754.D

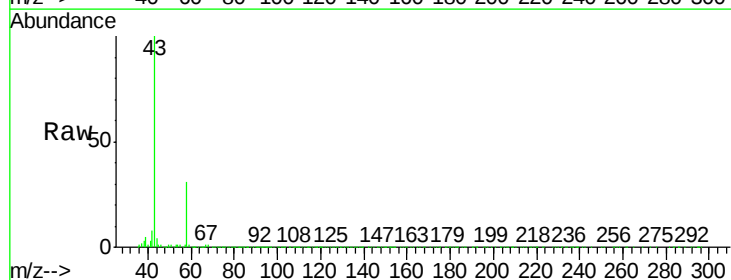
Acq: 28 Jan 2020 16:39

Tgt Ion: 43 Resp: 100449

Ion Ratio Lower Upper

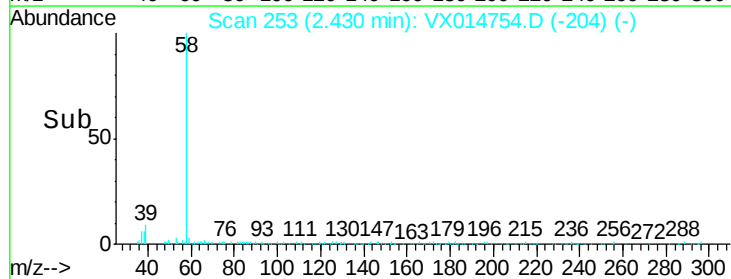
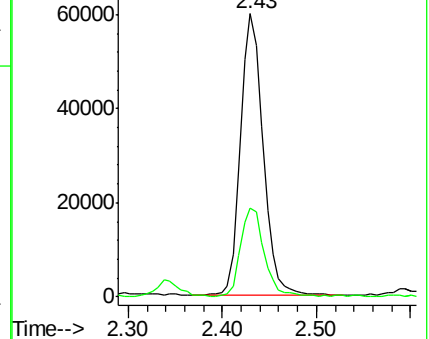
43 100

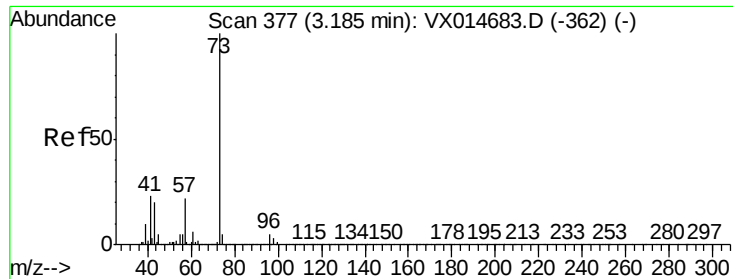
58 30.7 24.5 36.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



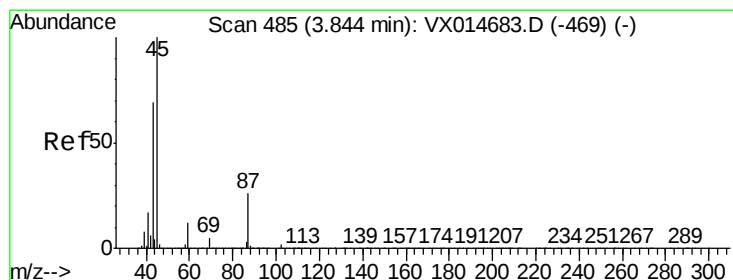
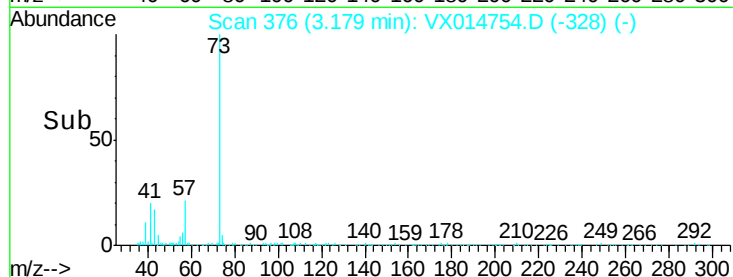
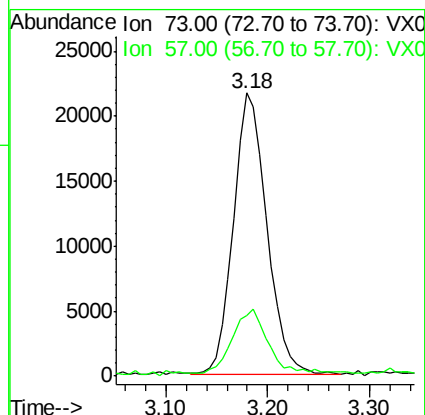
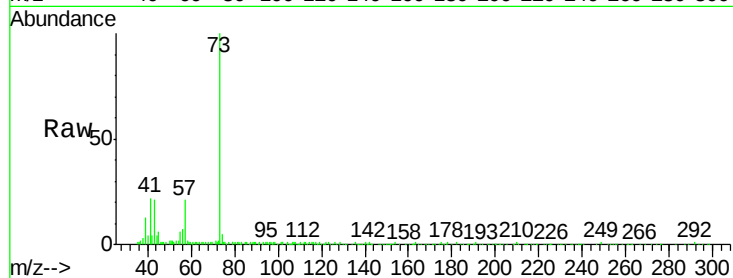


#19

Methyl tert-butyl Ether
Concen: 3.372 ug/l
RT: 3.18 min Scan# 376
Delta R.T. -0.01 min
Lab File: VX014754.D
Acq: 28 Jan 2020 16:39

Instrument :
MSVOA_X
ClientSampleId :
40670

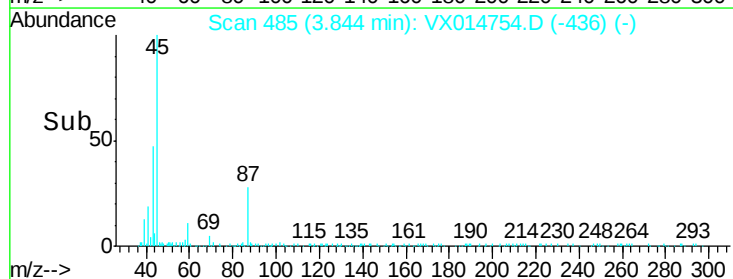
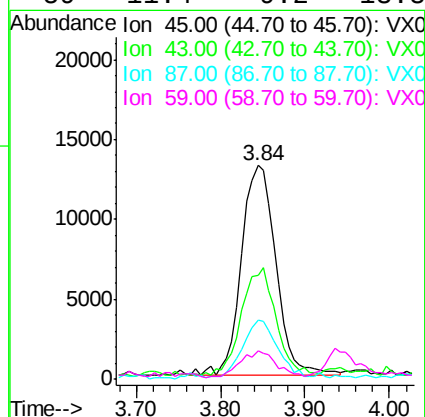
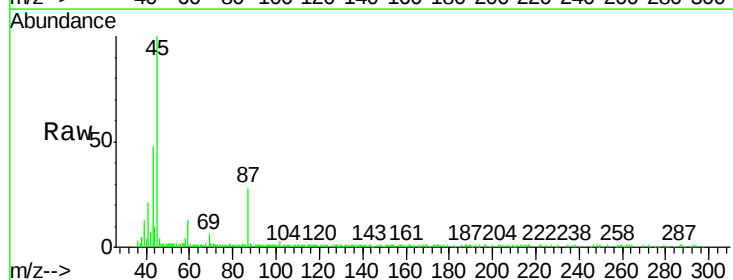
Tot Ion: 73 Resp: 49324
Ion Ratio Lower Upper
73 100
57 20.4 18.0 27.0

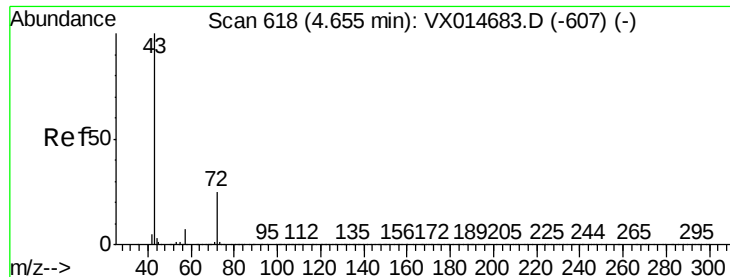


#22

Diisopropyl ether
Concen: 2.279 ug/l
RT: 3.84 min Scan# 485
Delta R.T. 0.00 min
Lab File: VX014754.D
Acq: 28 Jan 2020 16:39

Tgt Ion: 45 Resp: 36395
Ion Ratio Lower Upper
45 100
43 47.6 55.1 82.7#
87 27.0 20.7 31.1
59 11.4 9.2 13.8

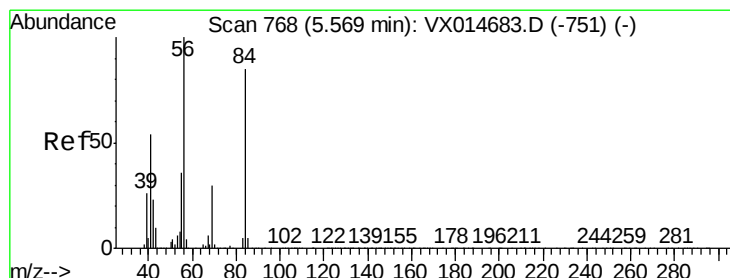
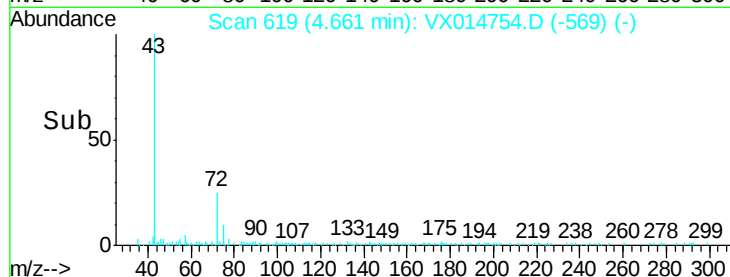
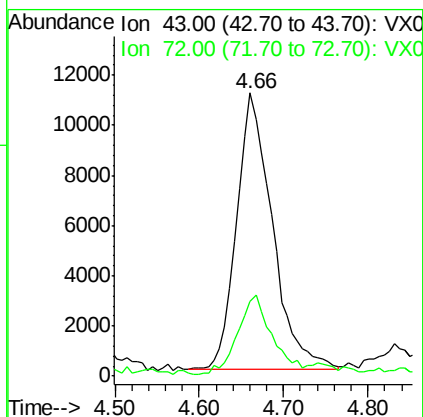
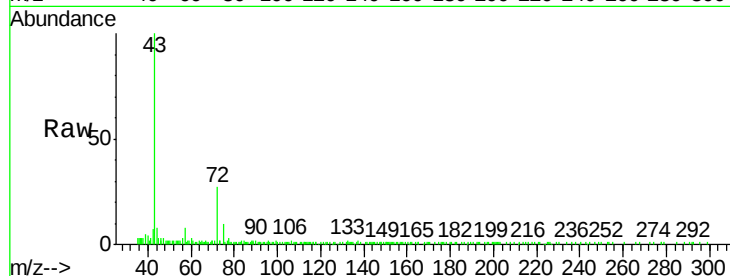




#25
2-Butanone
Concen: 7.677 ug/l
RT: 4.66 min Scan# 619
Delta R.T. 0.01 min
Lab File: VX014754.D
Acq: 28 Jan 2020 16:39

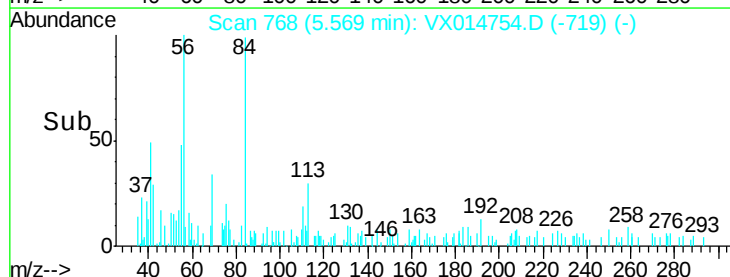
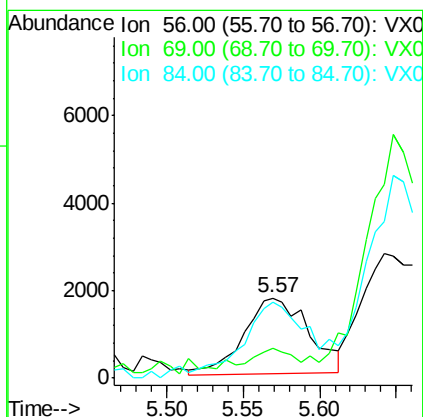
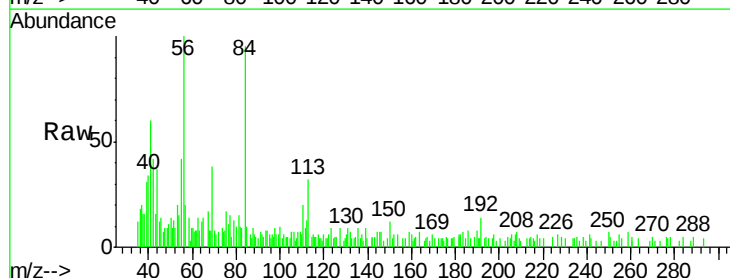
Instrument :
MSVOA_X
ClientSampleId :
40670

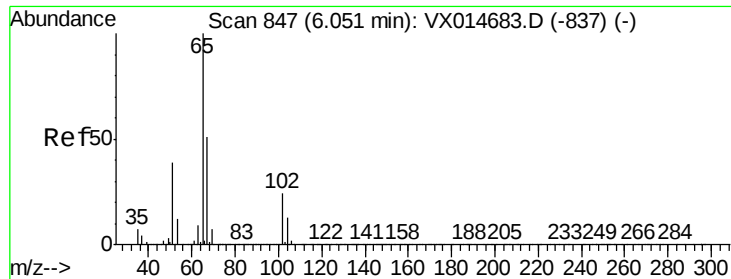
Tot Ion: 43 Resp: 31626
Ion Ratio Lower Upper
43 100
72 26.1 19.9 29.9



#31
Cyclohexane
Concen: 0.624 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX014754.D
Acq: 28 Jan 2020 16:39

Tgt Ion: 56 Resp: 5091
Ion Ratio Lower Upper
56 100
69 16.9 23.4 35.2#
84 109.5 68.4 102.6#

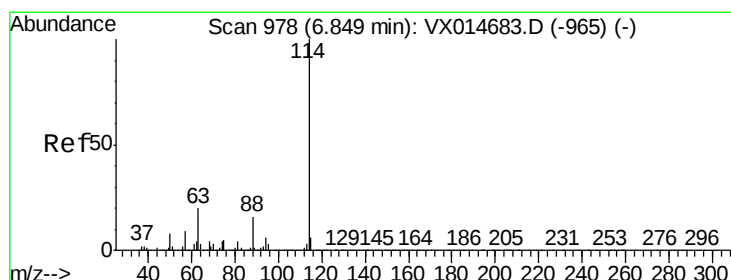
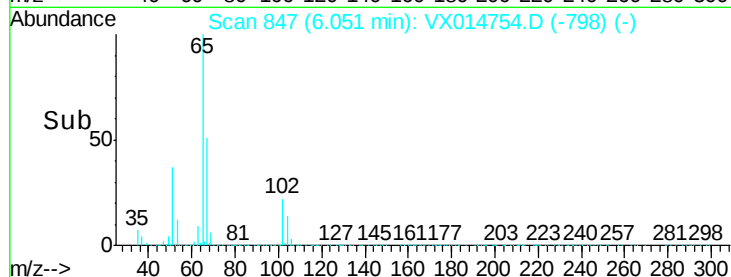
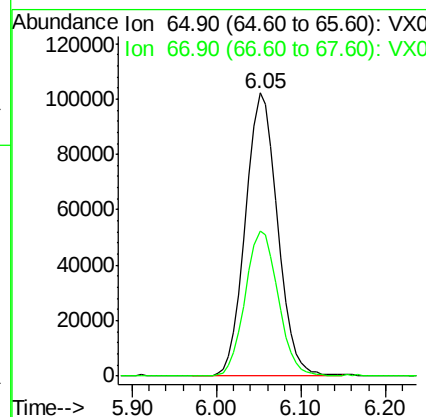
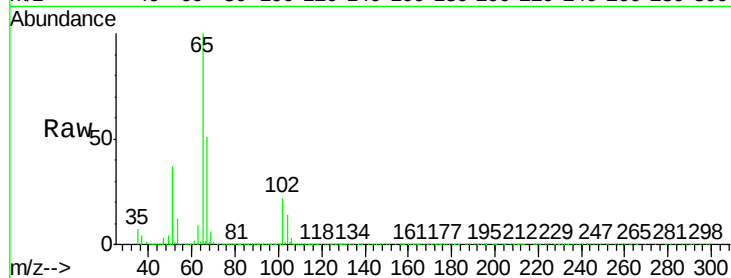




#33
 1,2-Dichloroethane-d4
 Concen: 50.042 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014754.D
 Acq: 28 Jan 2020 16:39

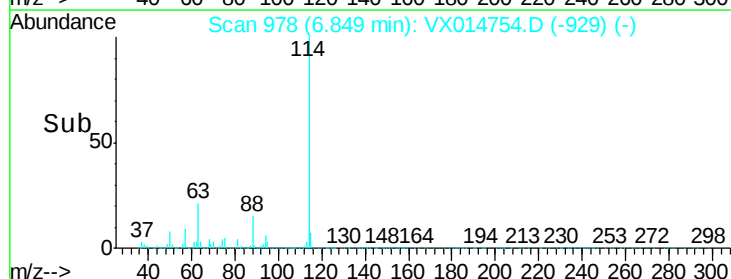
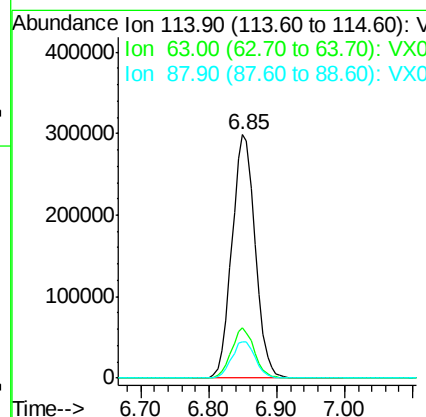
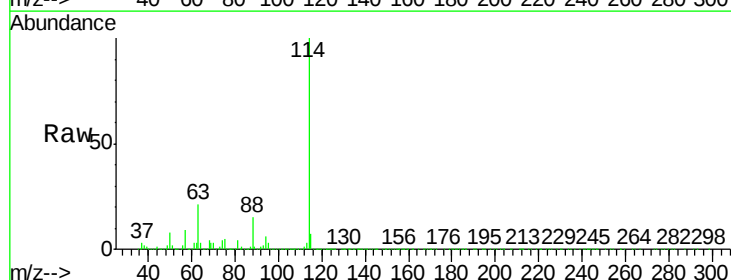
Instrument :
 MSVOA_X
 ClientSampleId :
 40670

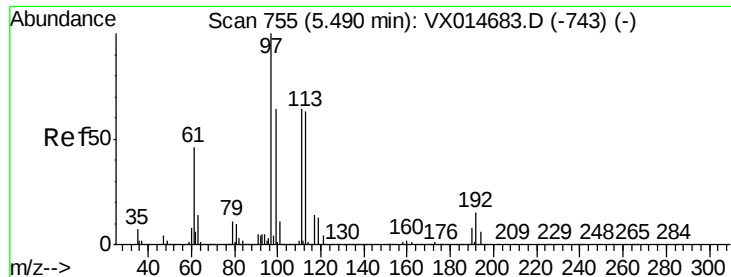
Tot Ion: 65 Resp: 262541
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014754.D
 Acq: 28 Jan 2020 16:39

Tgt Ion: 114 Resp: 704779
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 40.6
 88 14.8 0.0 31.2

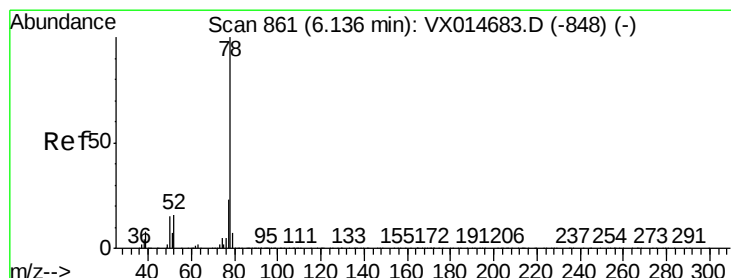
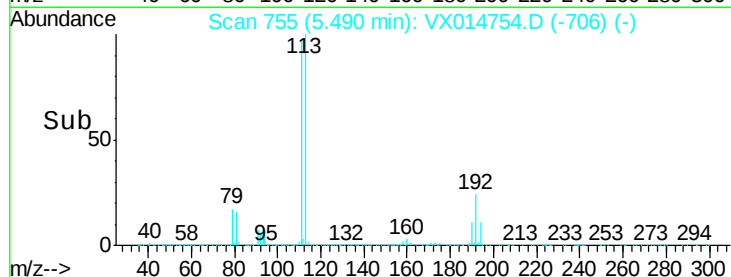
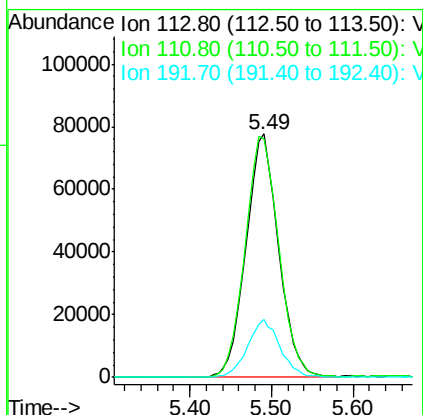
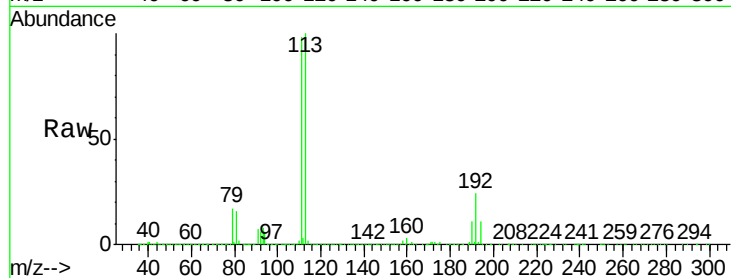




#35
Dibromofluoromethane
Concen: 48.488 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX014754.D
Acq: 28 Jan 2020 16:39

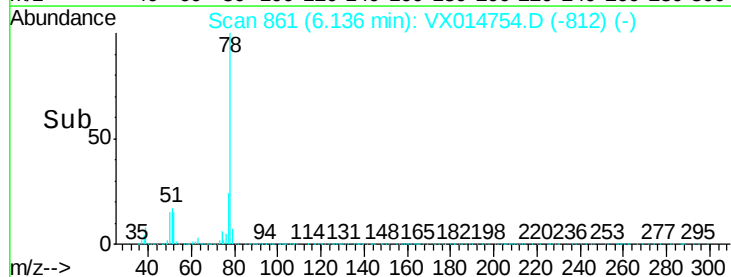
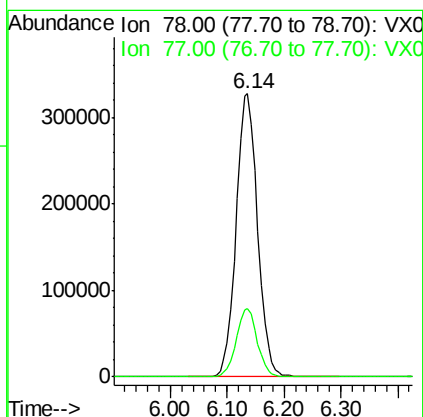
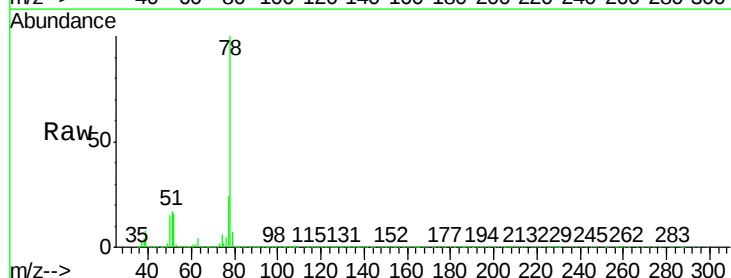
Instrument :
MSVOA_X
ClientSampled :
40670

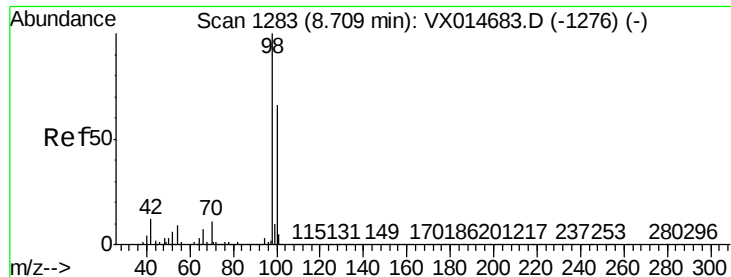
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	80.7	121.1
192	24.0	18.5	27.7



#40
Benzene
Concen: 42.546 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.00 min
Lab File: VX014754.D
Acq: 28 Jan 2020 16:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.7	28.1





#50

Toluene-d8

Concen: 49.892 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014754.D

Acq: 28 Jan 2020 16:39

Instrument :

MSVOA_X

ClientSampleId :

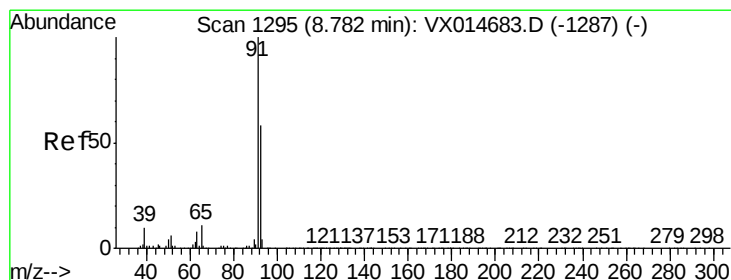
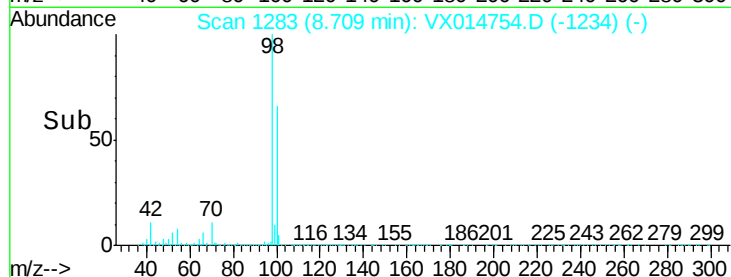
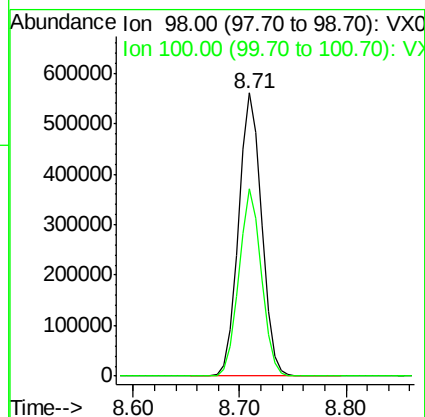
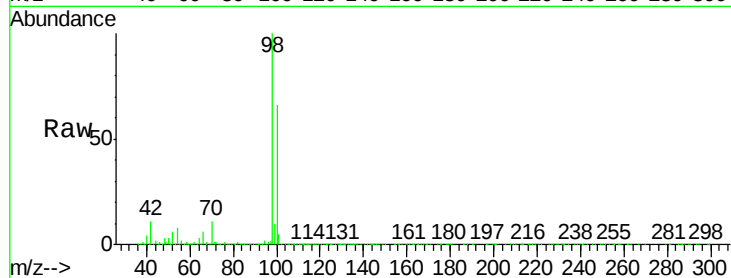
40670

Tot Ion: 98 Resp: 852980

Ion Ratio Lower Upper

98 100

100 64.7 53.0 79.6



#52

Toluene

Concen: 91.685 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX014754.D

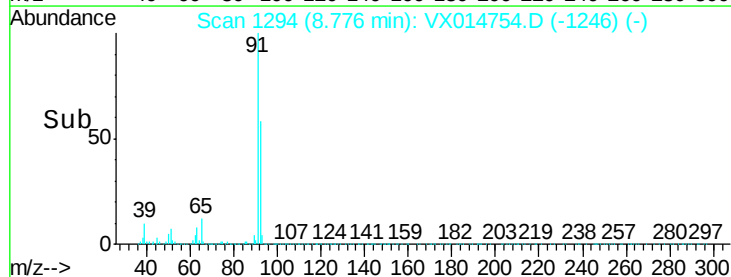
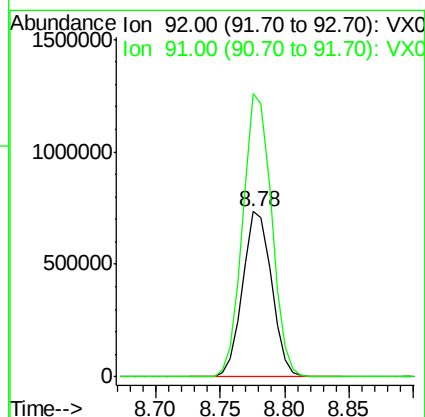
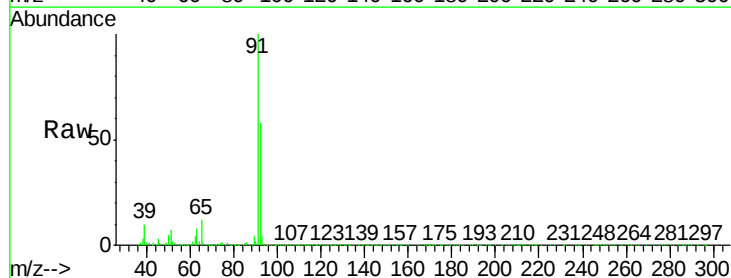
Acq: 28 Jan 2020 16:39

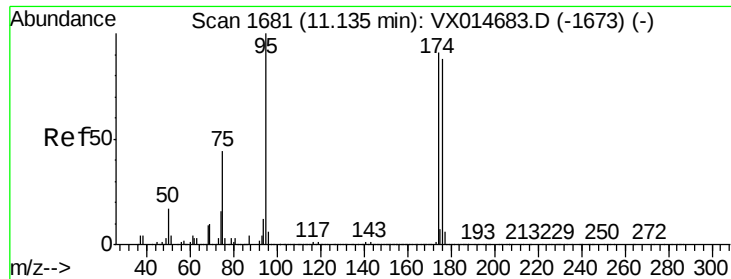
Tgt Ion: 92 Resp: 1140404

Ion Ratio Lower Upper

92 100

91 171.6 135.9 203.9





#62

4-Bromofluorobenzene

Concen: 49.188 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014754.D

Acq: 28 Jan 2020 16:39

Instrument :

MSVOA_X

ClientSampleId :

40670

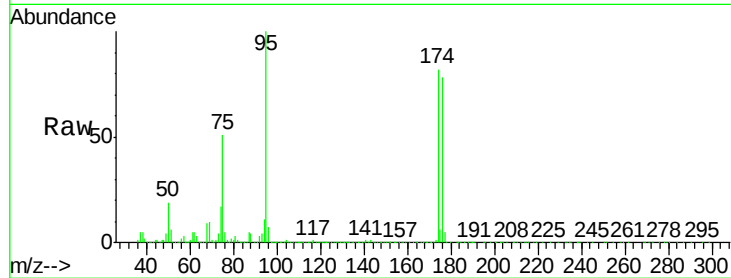
Tot Ion: 95 Resp: 299561

Ion Ratio Lower Upper

95 100

174 89.9 0.0 176.0

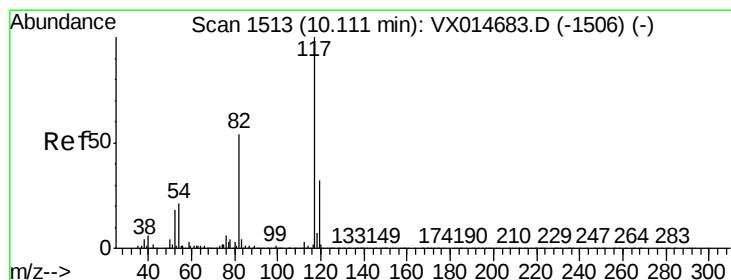
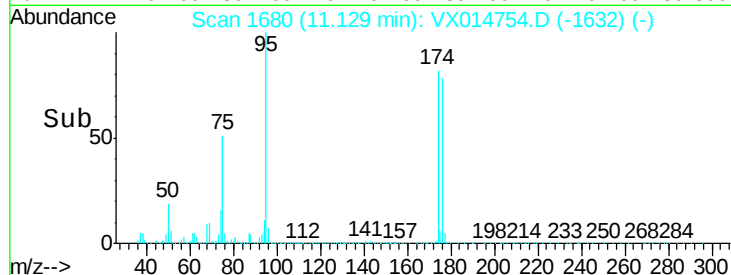
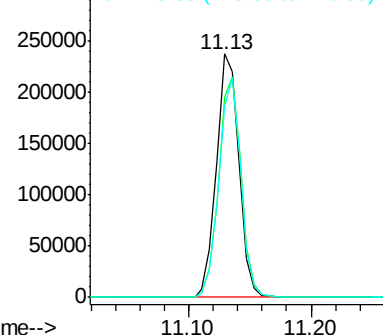
176 87.9 0.0 172.2



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: VX014754.D

Acq: 28 Jan 2020 16:39

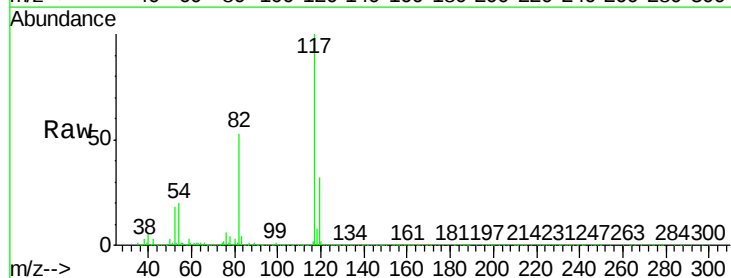
Tgt Ion: 117 Resp: 645415

Ion Ratio Lower Upper

117 100

82 53.2 43.2 64.8

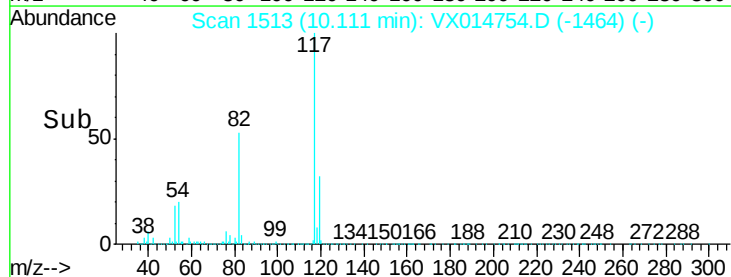
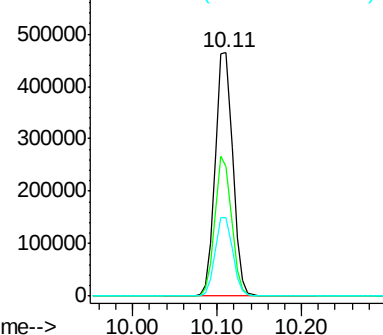
119 32.3 25.8 38.6

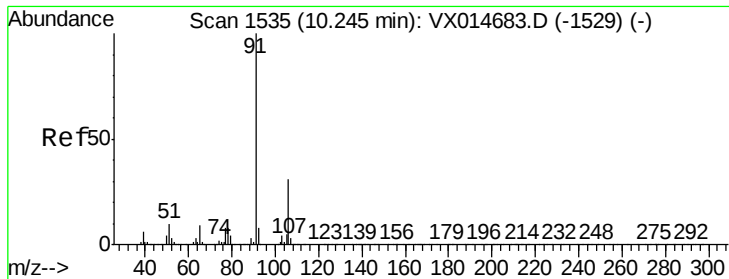


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#67

Ethyl Benzene

Concen: 8.095 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX014754.D

Acq: 28 Jan 2020 16:39

Instrument :

MSVOA_X

ClientSampleId :

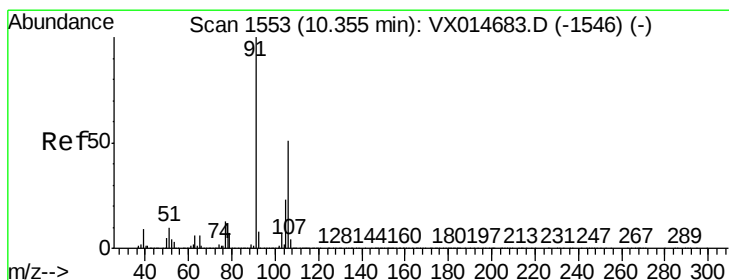
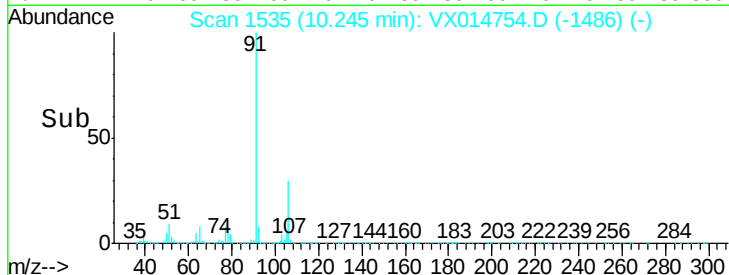
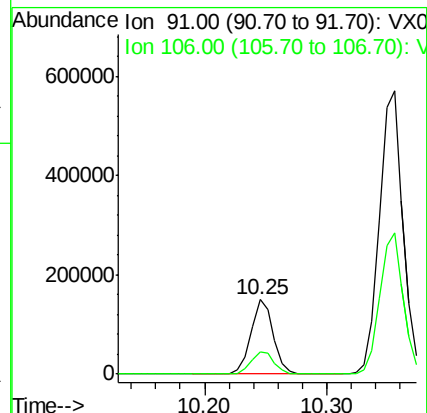
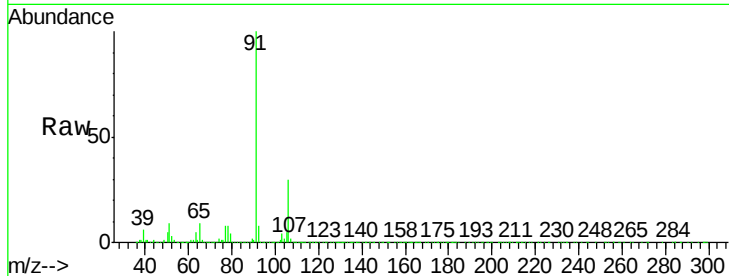
40670

Tot Ion: 91 Resp: 190821

Ion Ratio Lower Upper

91 100

106 30.4 24.9 37.3



#68

m/p-Xylenes

Concen: 42.621 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX014754.D

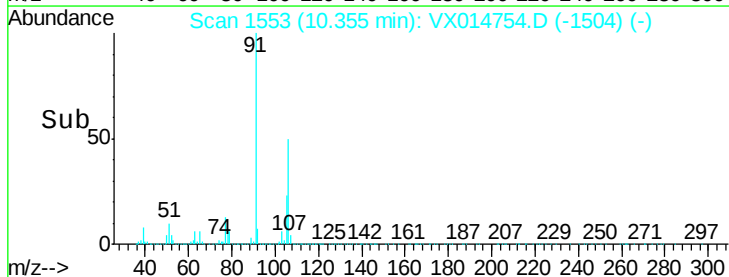
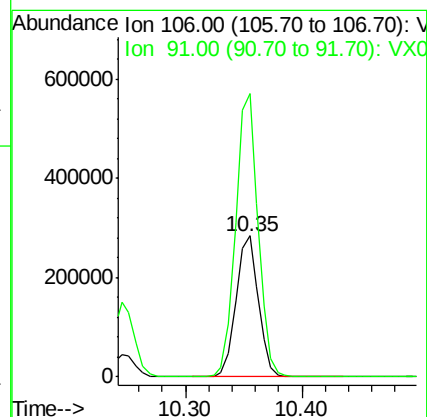
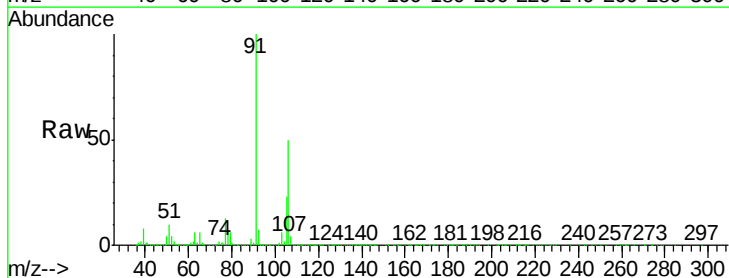
Acq: 28 Jan 2020 16:39

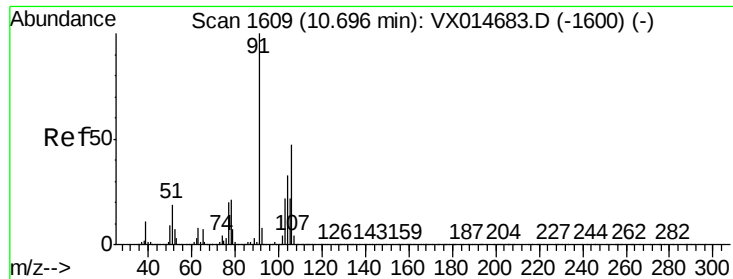
Tgt Ion: 106 Resp: 380611

Ion Ratio Lower Upper

106 100

91 201.0 159.4 239.2

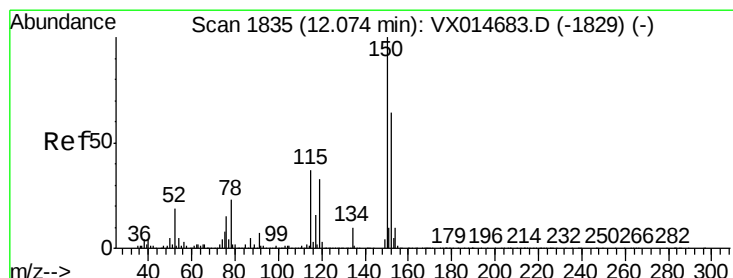
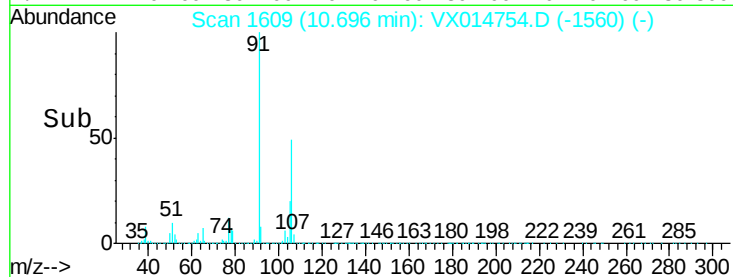
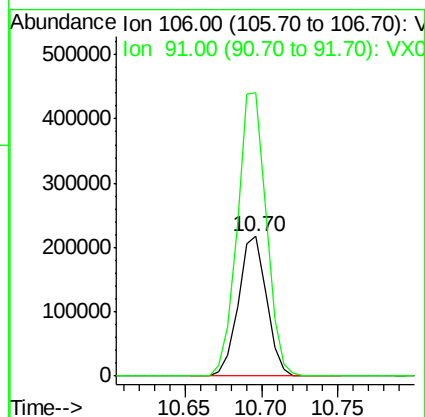
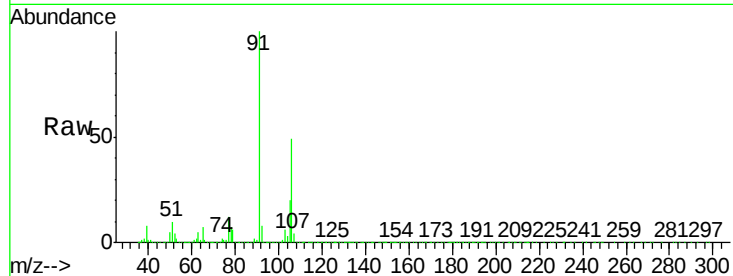




#69
o-Xylene
Concen: 32.137 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX014754.D
Acq: 28 Jan 2020 16:39

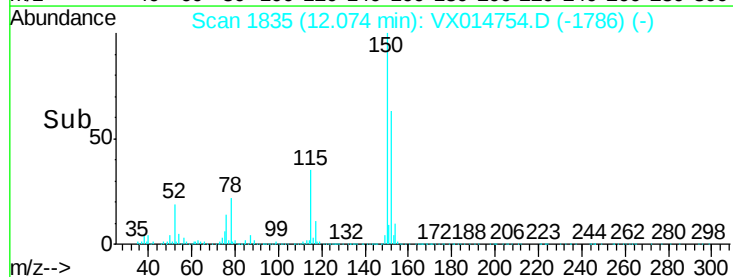
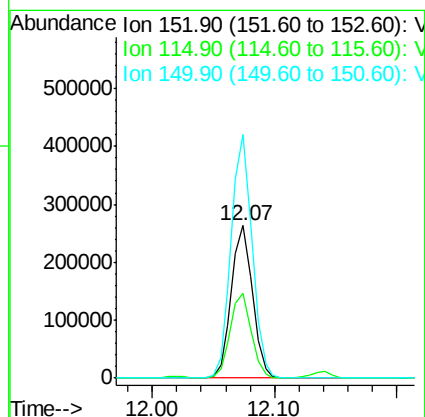
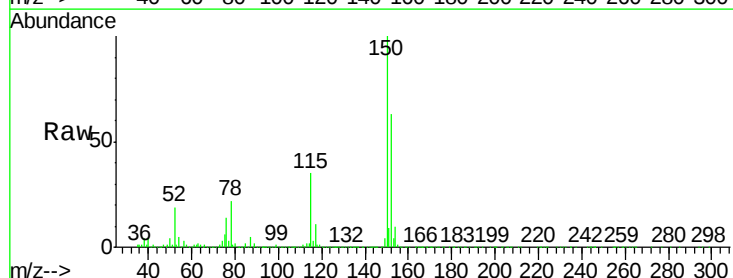
Instrument :
MSVOA_X
ClientSampleId :
40670

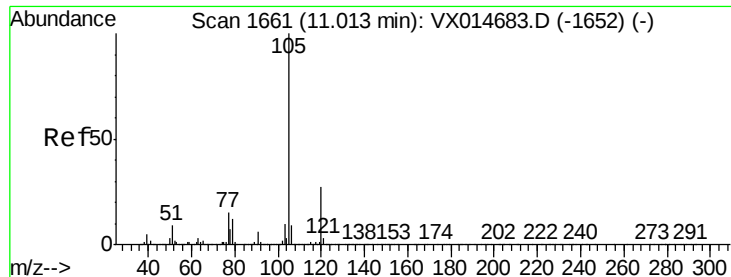
Tot Ion:106 Resp: 277059
Ion Ratio Lower Upper
106 100
91 208.7 106.2 318.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014754.D
Acq: 28 Jan 2020 16:39

Tgt Ion:152 Resp: 314151
Ion Ratio Lower Upper
152 100
115 55.3 39.4 118.1
150 157.9 0.0 351.2





#73

Isopropylbenzene

Concen: 0.738 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX014754.D

Acq: 28 Jan 2020 16:39

Instrument :

MSVOA_X

ClientSampled :

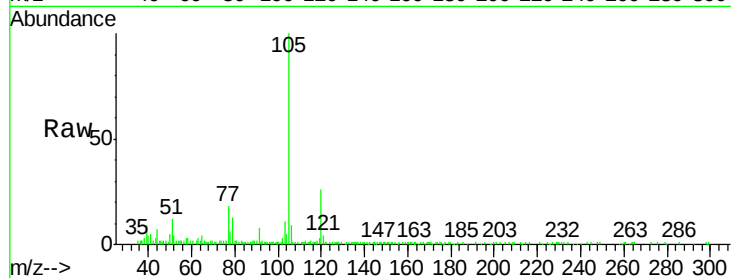
40670

Tot Ion: 105 Resp: 16302

Ion Ratio Lower Upper

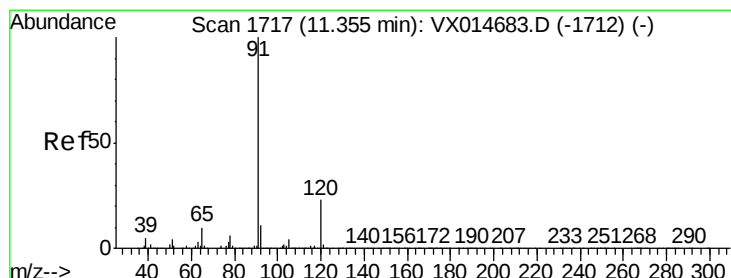
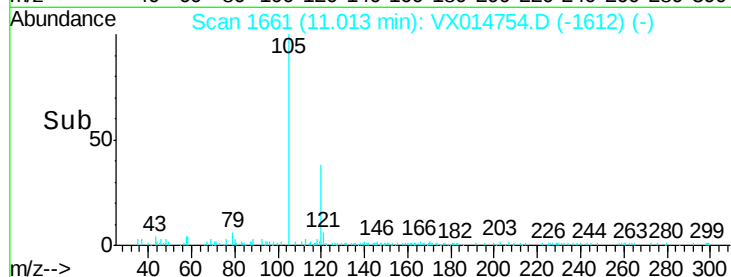
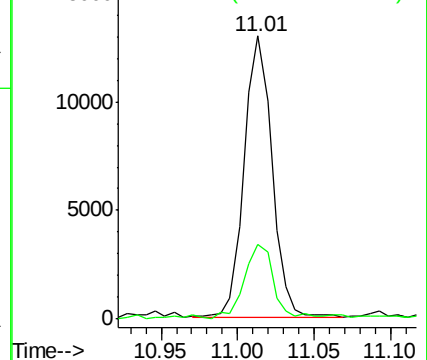
105 100

120 28.6 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 2.045 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX014754.D

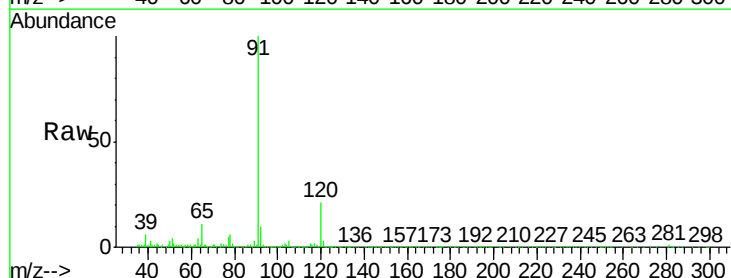
Acq: 28 Jan 2020 16:39

Tgt Ion: 91 Resp: 51283

Ion Ratio Lower Upper

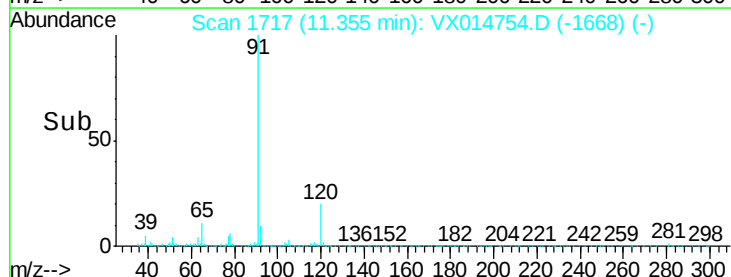
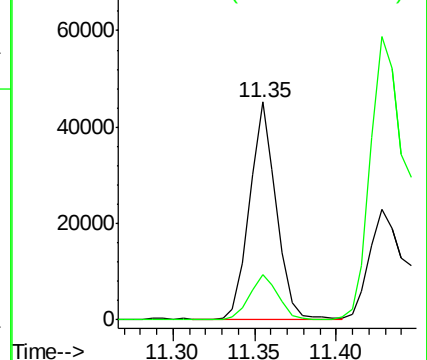
91 100

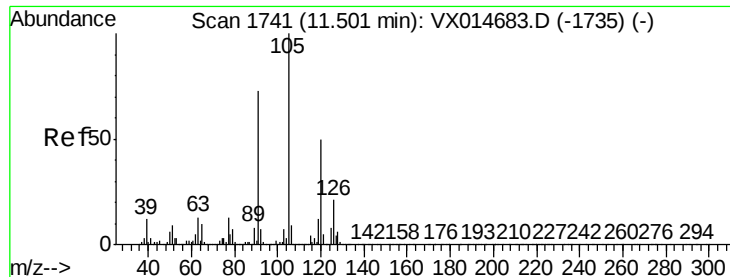
120 21.7 11.7 35.0



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: 6.526 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014754.D

Acq: 28 Jan 2020 16:39

Instrument :

MSVOA_X

ClientSampled :

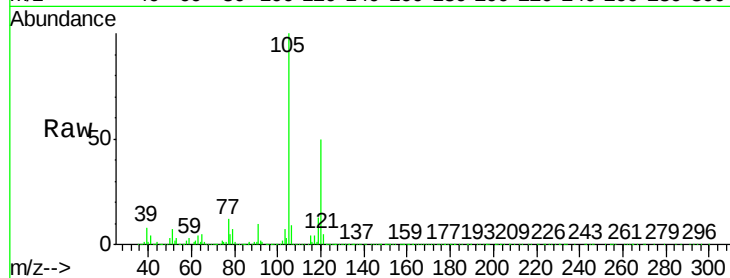
40670

Tot Ion:105 Resp: 119639

Ion Ratio Lower Upper

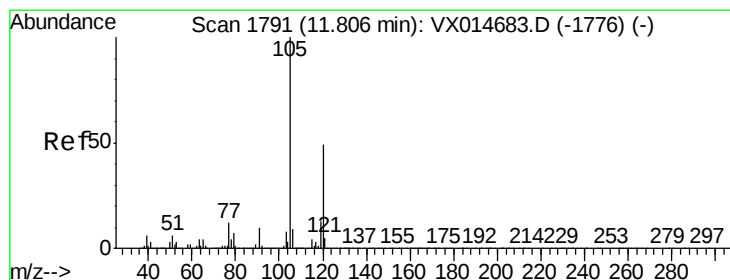
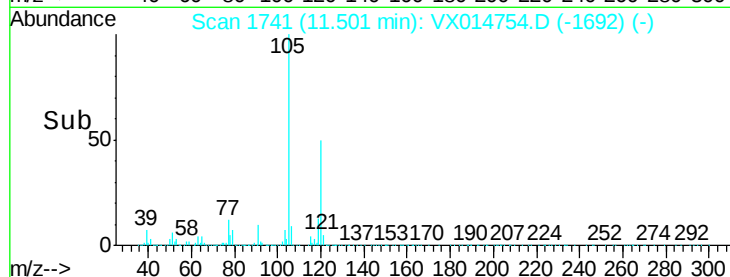
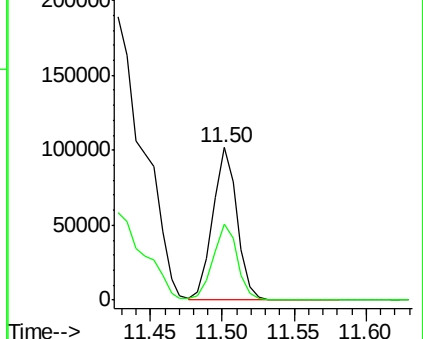
105 100

120 50.7 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 32.799 ug/l

RT: 11.80 min Scan# 1790

Delta R.T. -0.01 min

Lab File: VX014754.D

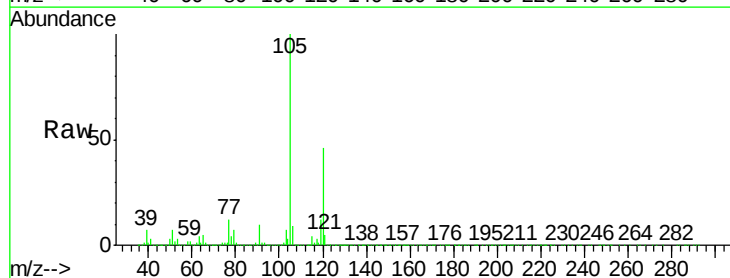
Acq: 28 Jan 2020 16:39

Tgt Ion:105 Resp: 603135

Ion Ratio Lower Upper

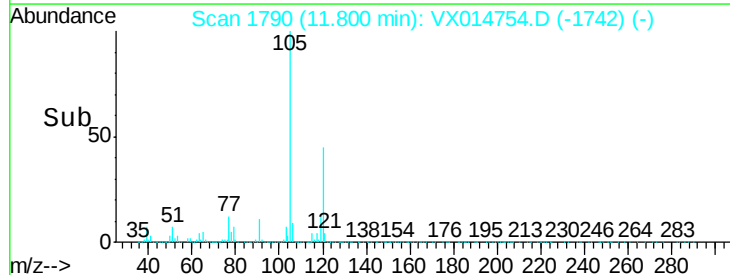
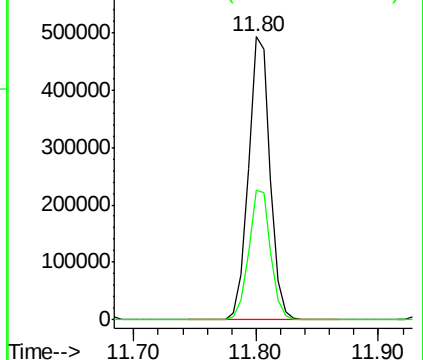
105 100

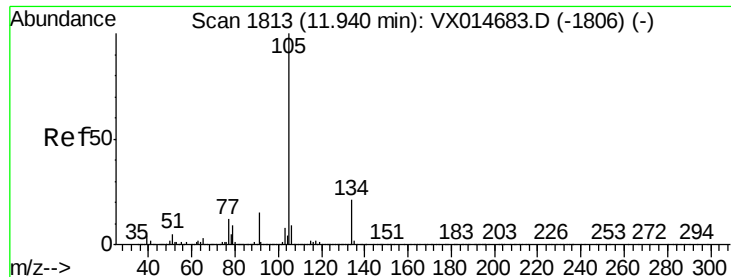
120 46.4 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

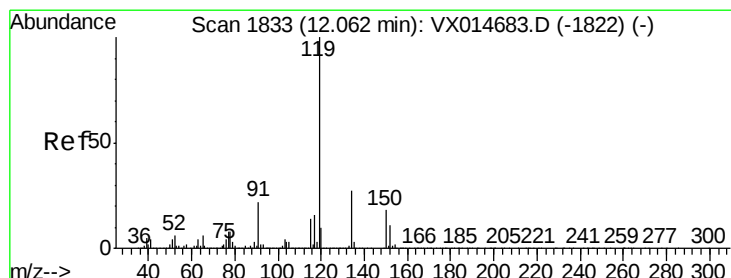
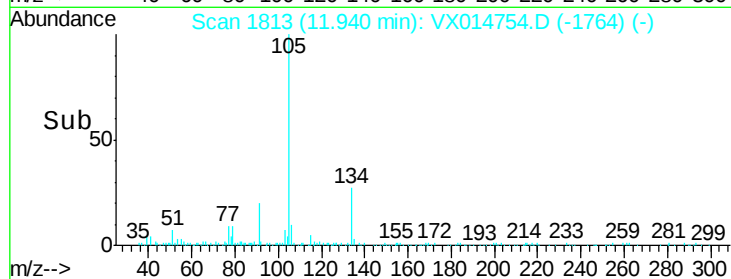
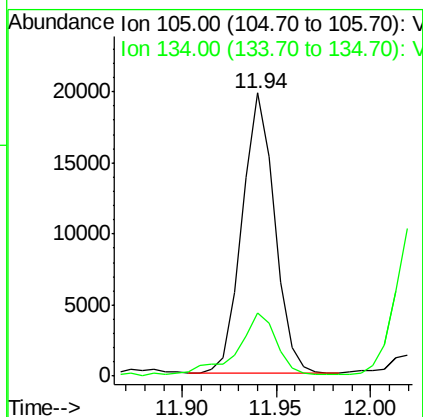
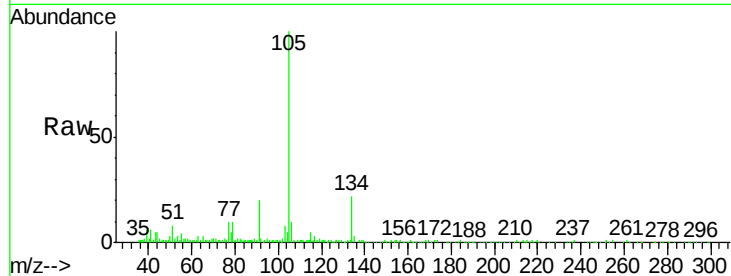




#85
 sec-Butylbenzene
 Concen: 1.123 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX014754.D
 Acq: 28 Jan 2020 16:39

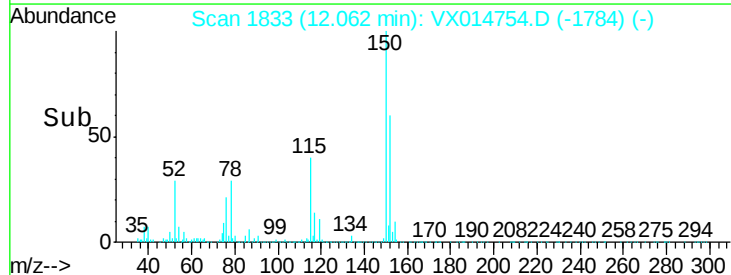
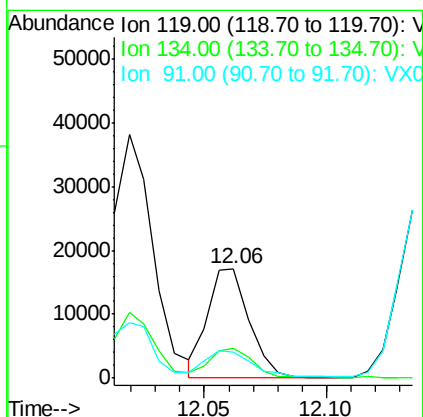
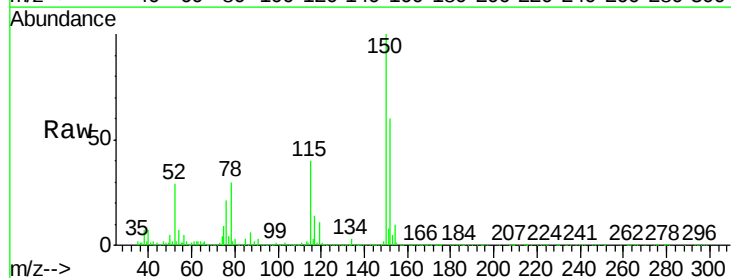
Instrument :
 MSVOA_X
 ClientSampled :
 40670

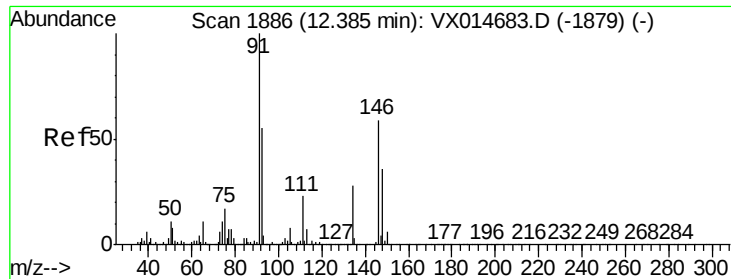
Tot Ion:105 Resp: 23702
 Ion Ratio Lower Upper
 105 100
 134 28.8 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 1.021 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX014754.D
 Acq: 28 Jan 2020 16:39

Tgt Ion:119 Resp: 19914
 Ion Ratio Lower Upper
 119 100
 134 28.0 13.5 40.4
 91 28.8 11.3 33.8





#89

n-Butylbenzene

Concen: 4.670 ug/l

RT: 12.38 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX014754.D

Acq: 28 Jan 2020 16:39

Instrument :

MSVOA_X

ClientSampled :

40670

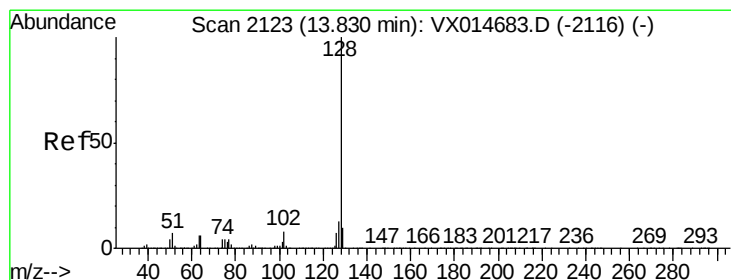
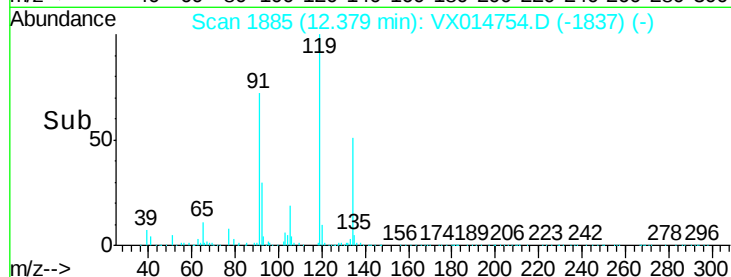
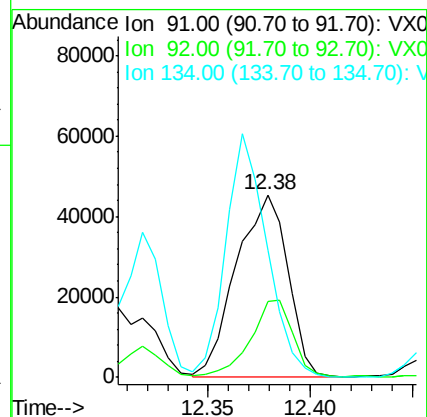
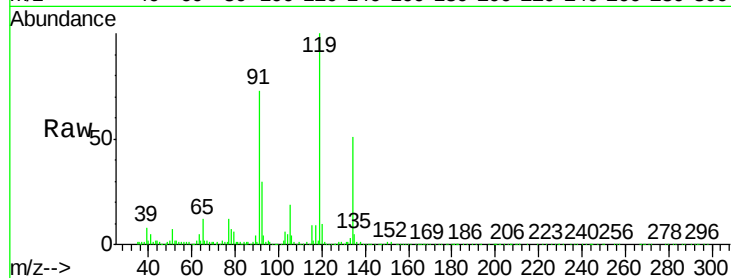
Tot Ion: 91 Resp: 79320

Ion Ratio Lower Upper

91 100

92 35.4 27.6 82.7

134 106.1 13.3 39.8#



#95

Naphthalene

Concen: 21.106 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX014754.D

Acq: 28 Jan 2020 16:39

Tgt Ion: 128 Resp: 452706

Ion Ratio Lower Upper

128 100

127 13.8 10.3 15.5

129 12.0 8.6 12.8

