

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX112019\
 Data File : VX013483.D
 Acq On : 20 Nov 2019 17:32
 Operator : JC/SP
 Sample : K5958-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FD-111919

Quant Time: Nov 27 06:15:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	719879	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1143838	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1047294	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	493938	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	423462	49.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.30%	
35) Dibromofluoromethane	5.49	113	347289	48.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.82%	
50) Toluene-d8	8.71	98	1393434	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	
62) 4-Bromofluorobenzene	11.14	95	499471	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	

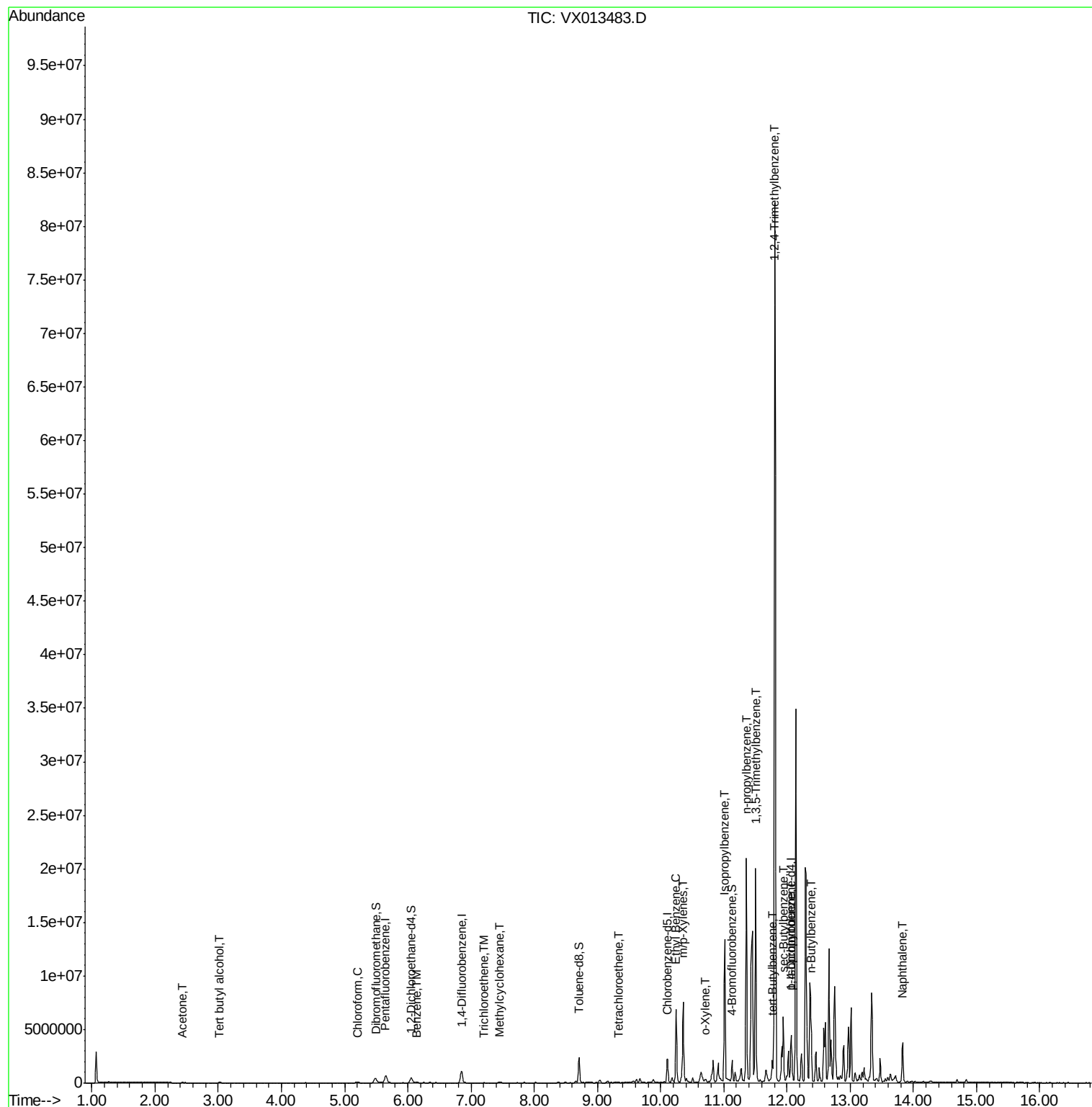
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.03	59	31188	13.875	ug/l #	91
16) Acetone	2.43	43	13212	3.106	ug/l	93
30) Chloroform	5.20	83	52126	4.074	ug/l	99
39) Methylcyclohexane	7.46	83	39087	3.197	ug/l	94
40) Benzene	6.14	78	16216	0.531	ug/l #	85
44) Trichloroethene	7.21	130	5582	0.663	ug/l	84
64) Tetrachloroethene	9.33	164	12535	1.672	ug/l	93
67) Ethyl Benzene	10.25	91	3907714	106.786	ug/l	99
68) m/p-Xylenes	10.35	106	1648012	119.080	ug/l	99
69) o-Xylene	10.70	106	19307	1.425	ug/l	99
73) Isopropylbenzene	11.01	105	6722999	205.290	ug/l	98
78) n-propylbenzene	11.35	91	12079637	331.128	ug/l	90
80) 1,3,5-Trimethylbenzene	11.50	105	8330500	305.392	ug/l	96
83) tert-Butylbenzene	11.77	119	644445	23.469	ug/l	88
84) 1,2,4-Trimethylbenzene	11.80	105	18260416	667.319	ug/l #	44
85) sec-Butylbenzene	11.94	105	3194113	101.212	ug/l #	74
86) p-Isopropyltoluene	12.06	119	1592031	54.784	ug/l	99
89) n-Butylbenzene	12.39	91	2138908	84.352	ug/l #	57
95) Naphthalene	13.83	128	2255659	66.256	ug/l	99

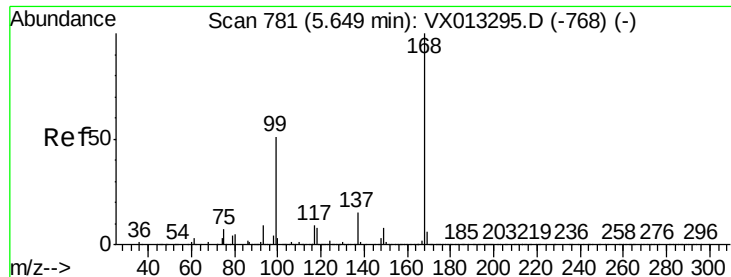
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX112019\
Data File : VX013483.D
Acq On : 20 Nov 2019 17:32
Operator : JC/SP
Sample : K5958-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FD-111919

Quant Time: Nov 27 06:15:38 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 02 07:06:38 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX013483.D

Acq: 20 Nov 2019 17:32

Instrument :

MSVOA_X

ClientSampleId :

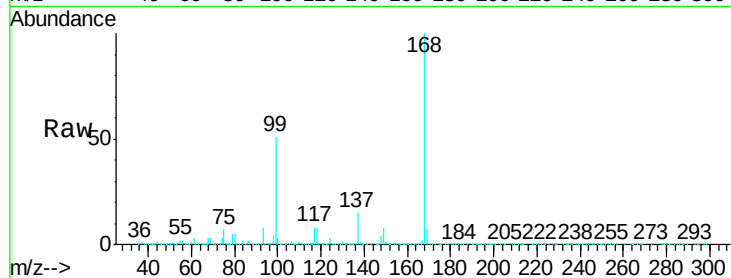
FD-111919

Tgt Ion:168 Resp: 719879

Ion Ratio Lower Upper

168 100

99 51.0 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

150000

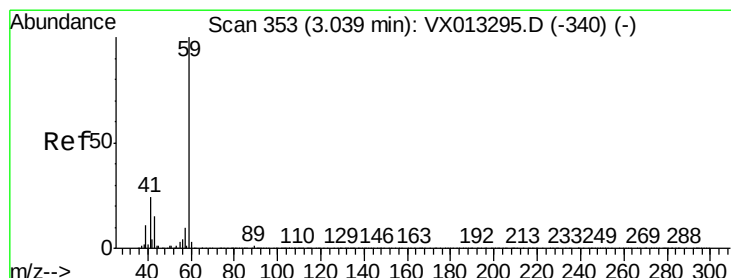
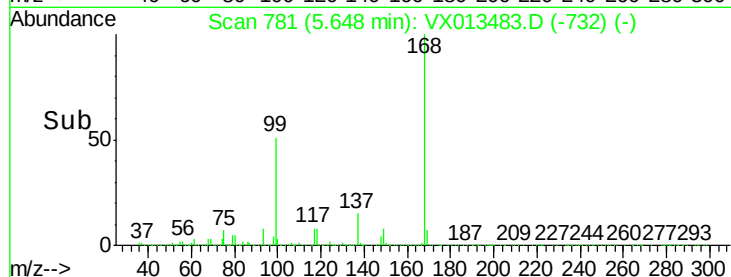
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 13.875 ug/l

RT: 3.03 min Scan# 351

Delta R.T. -0.01 min

Lab File: VX013483.D

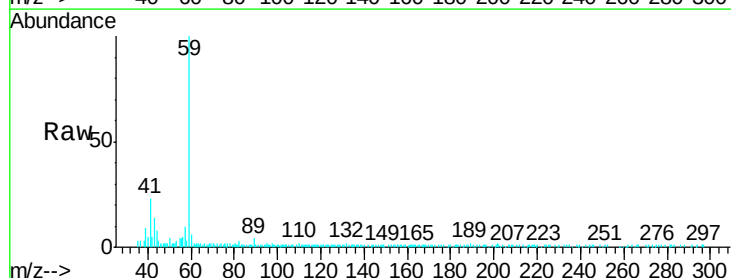
Acq: 20 Nov 2019 17:32

Tgt Ion: 59 Resp: 31188

Ion Ratio Lower Upper

59 100

57 13.2 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.03

15000

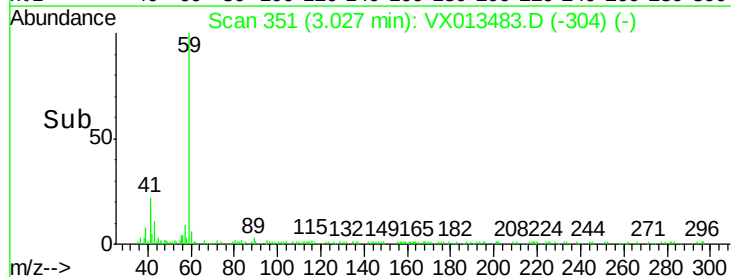
10000

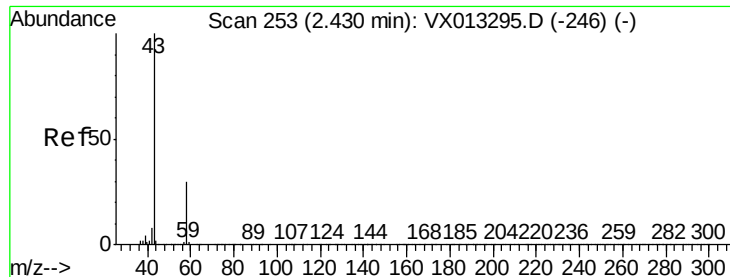
5000

0

Time-->

2.95 3.00 3.05 3.10 3.15





#16

Acetone

Concen: 3.106 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013483.D

Acq: 20 Nov 2019 17:32

Instrument :

MSVOA_X

ClientSampleId :

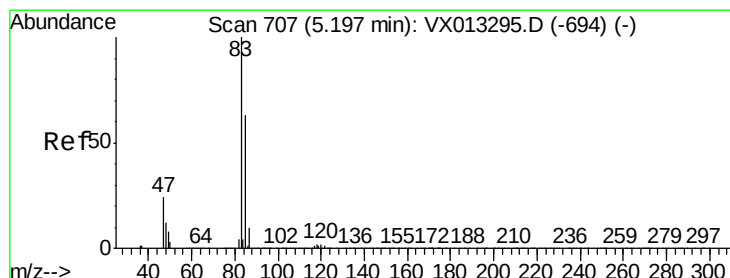
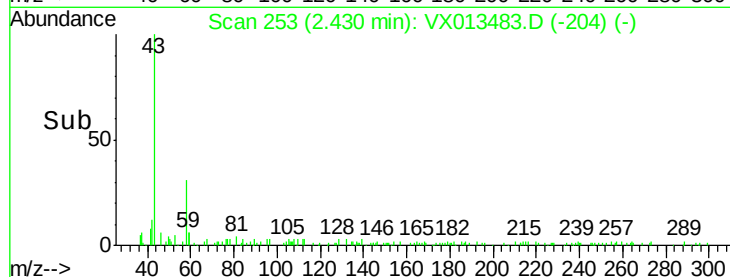
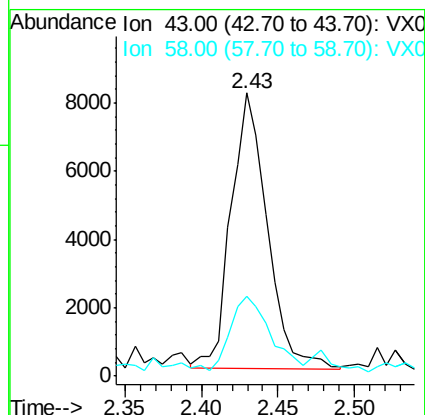
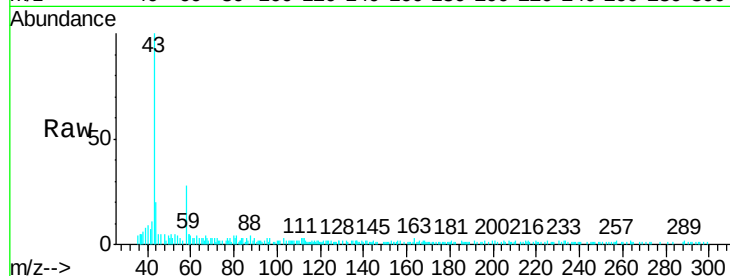
FD-111919

Tgt Ion: 43 Resp: 13212

Ion Ratio Lower Upper

43 100

58 26.4 24.3 36.5



#30

Chloroform

Concen: 4.074 ug/l

RT: 5.20 min Scan# 707

Delta R.T. -0.00 min

Lab File: VX013483.D

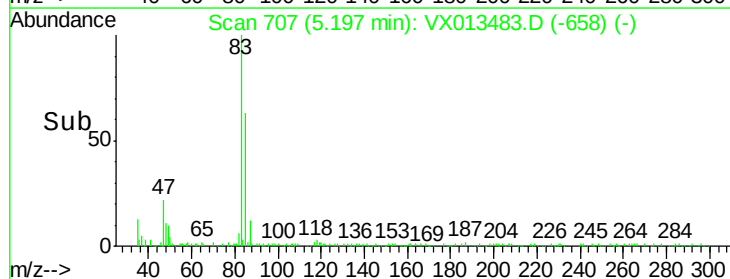
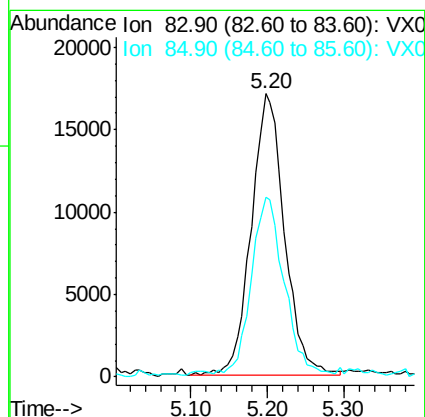
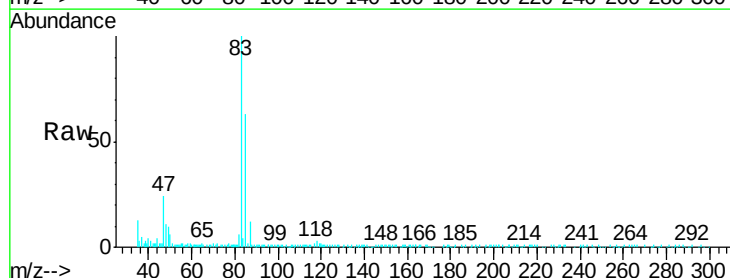
Acq: 20 Nov 2019 17:32

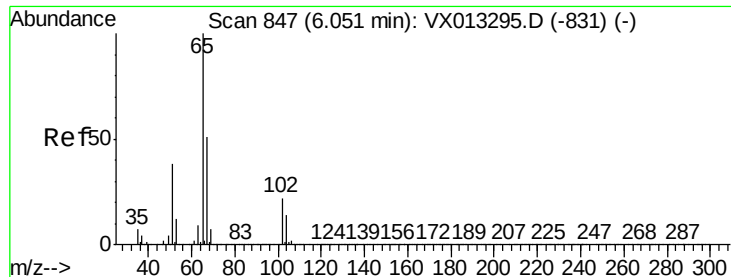
Tgt Ion: 83 Resp: 52126

Ion Ratio Lower Upper

83 100

85 61.9 50.2 75.4





#33

1,2-Dichloroethane-d4

Concen: 49.653 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013483.D

Acq: 20 Nov 2019 17:32

Instrument :

MSVOA_X

ClientSampleId :

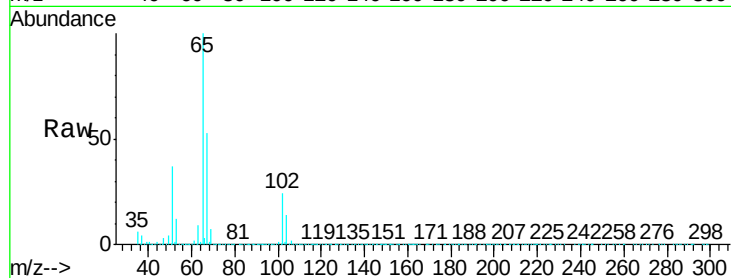
FD-111919

Tgt Ion: 65 Resp: 423462

Ion Ratio Lower Upper

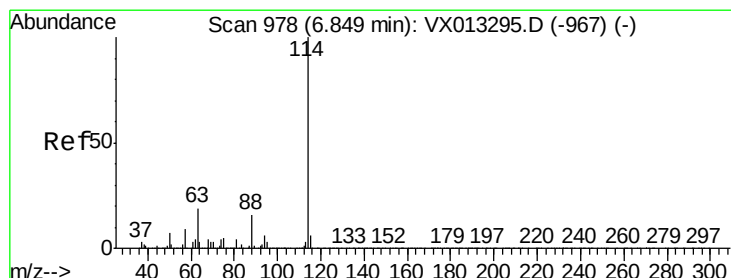
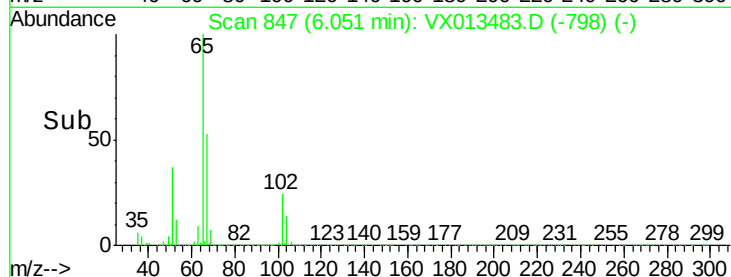
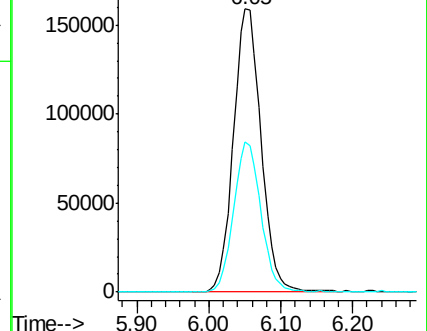
65 100

67 52.5 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013483.D

Acq: 20 Nov 2019 17:32

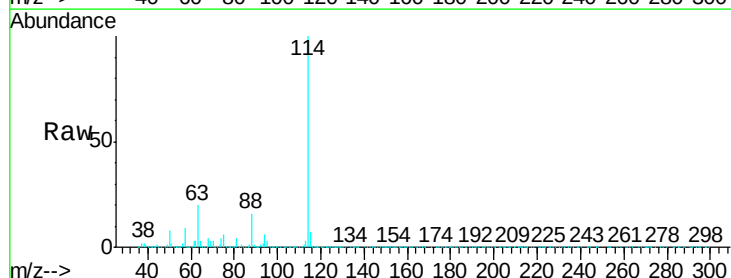
Tgt Ion: 114 Resp: 1143838

Ion Ratio Lower Upper

114 100

63 19.8 0.0 38.4

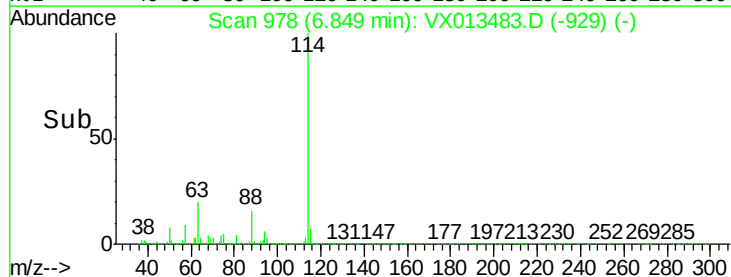
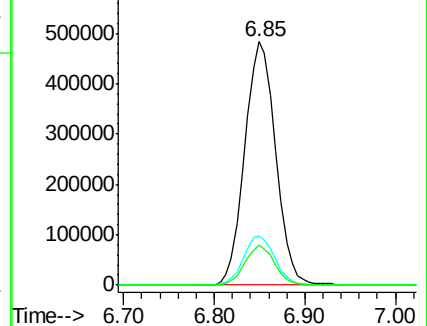
88 16.2 0.0 32.2

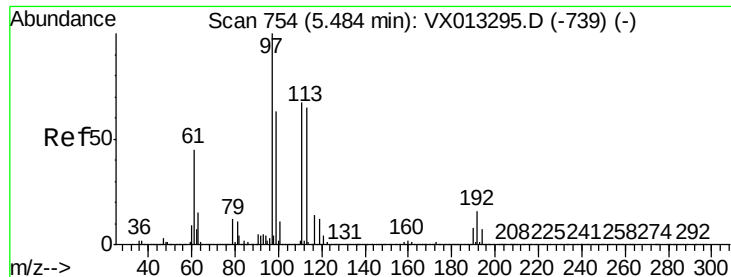


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.407 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013483.D

Acq: 20 Nov 2019 17:32

Instrument :

MSVOA_X

ClientSampleId :

FD-111919

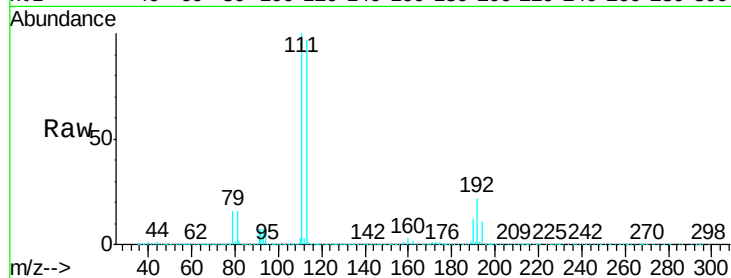
Tgt Ion: 113 Resp: 347289

Ion Ratio Lower Upper

113 100

111 101.9 81.9 122.9

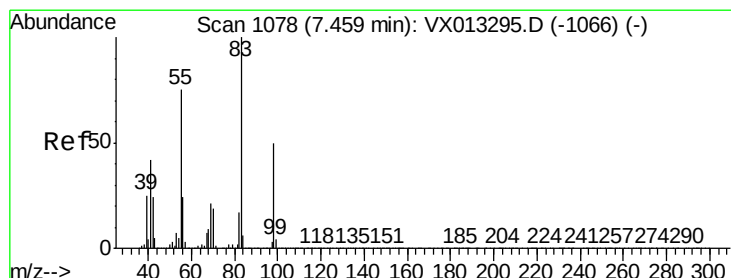
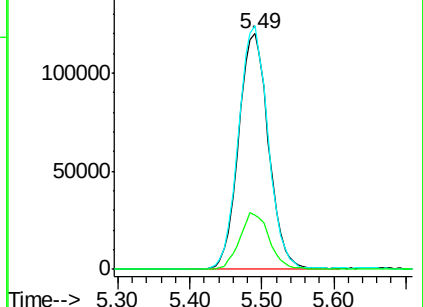
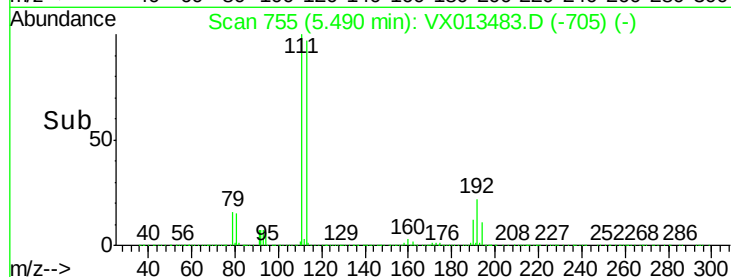
192 23.7 19.1 28.7



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: 3.197 ug/l

RT: 7.46 min Scan# 1078

Delta R.T. -0.00 min

Lab File: VX013483.D

Acq: 20 Nov 2019 17:32

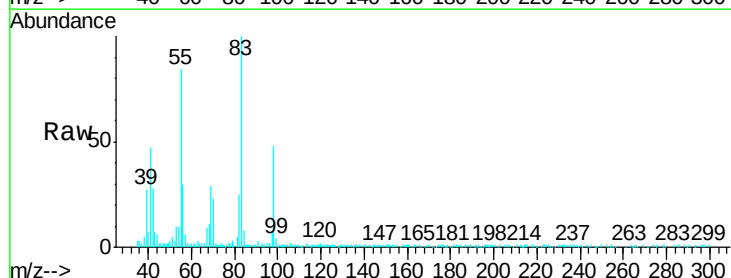
Tgt Ion: 83 Resp: 39087

Ion Ratio Lower Upper

83 100

55 82.3 60.3 90.5

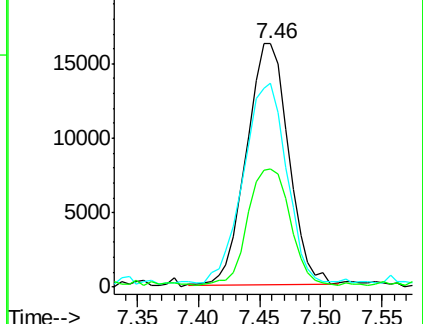
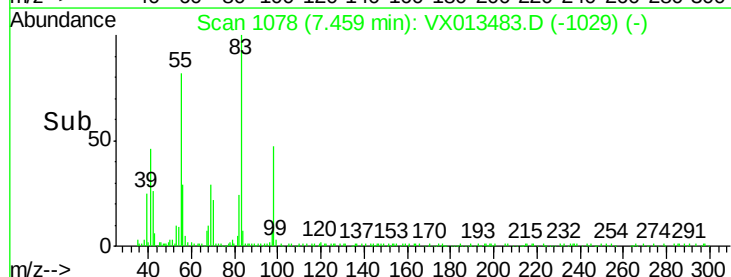
98 48.2 40.3 60.5

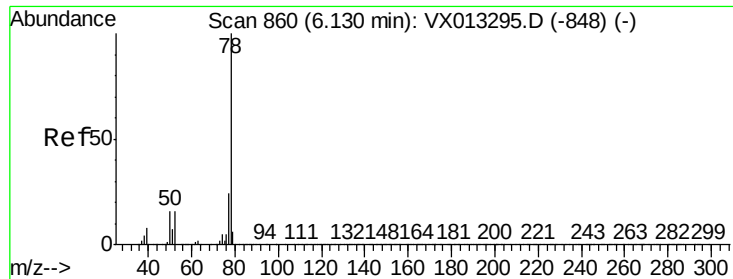


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 0.531 ug/l

RT: 6.14 min Scan# 862

Delta R.T. 0.01 min

Lab File: VX013483.D

Acq: 20 Nov 2019 17:32

Instrument :

MSVOA_X

ClientSampled :

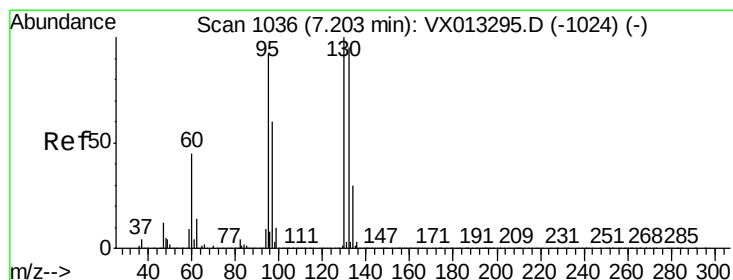
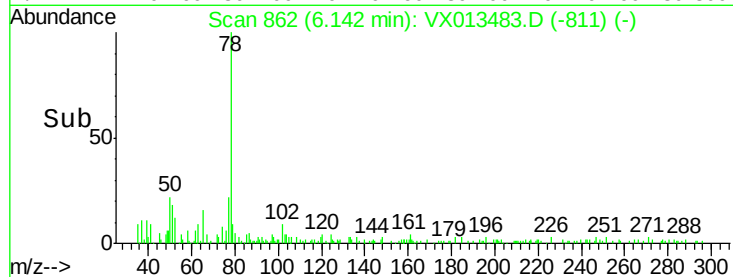
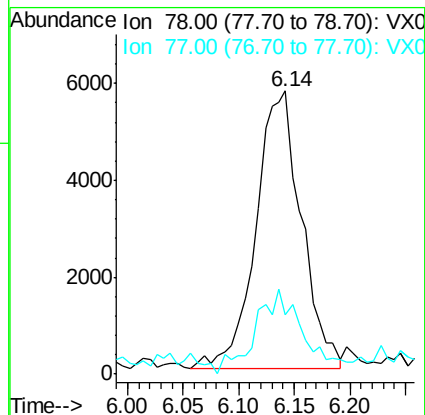
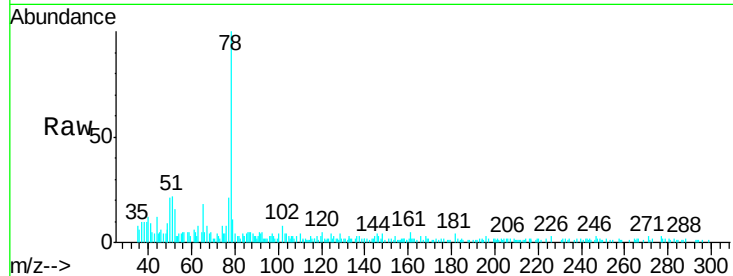
FD-111919

Tgt Ion: 78 Resp: 16216

Ion Ratio Lower Upper

78 100

77 16.7 19.5 29.3#



#44

Trichloroethene

Concen: 0.663 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013483.D

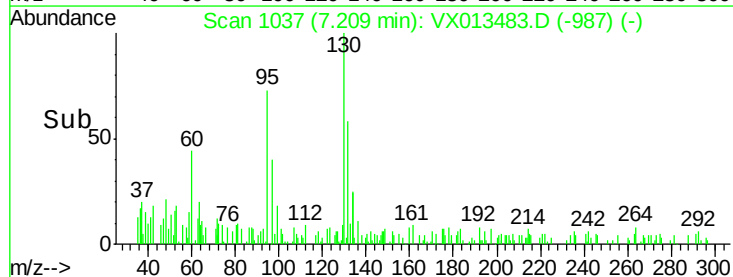
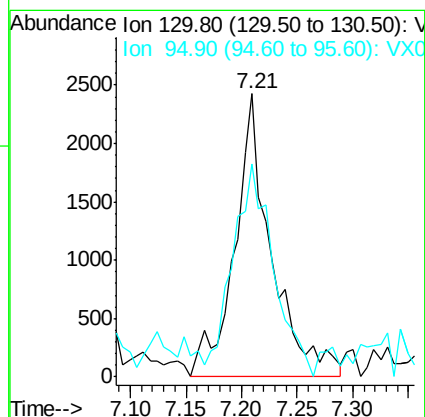
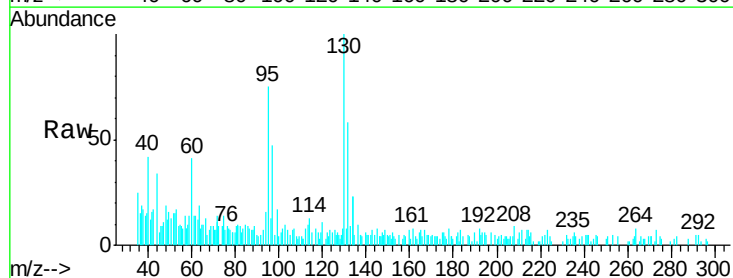
Acq: 20 Nov 2019 17:32

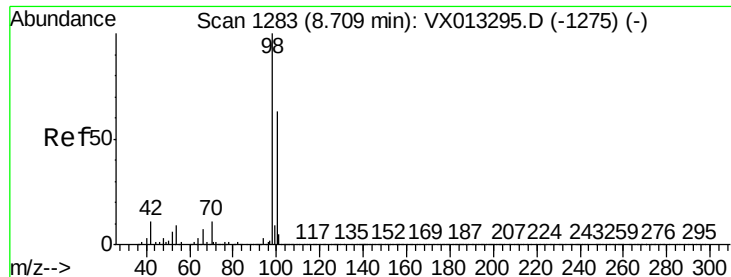
Tgt Ion: 130 Resp: 5582

Ion Ratio Lower Upper

130 100

95 76.7 0.0 184.8

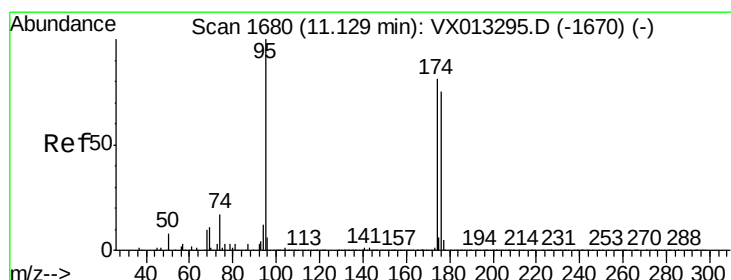
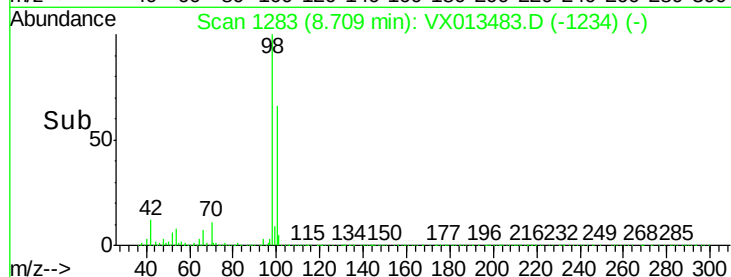
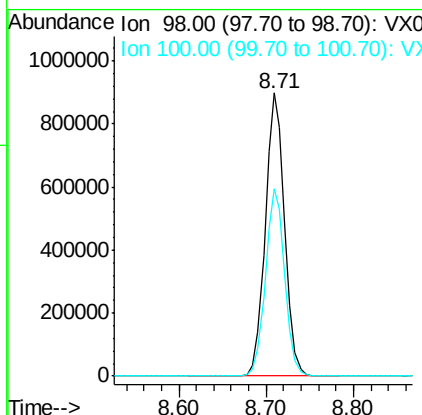
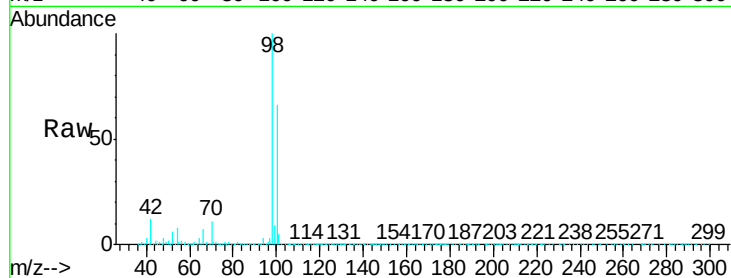




#50
Toluene-d8
Concen: 51.520 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013483.D
Acq: 20 Nov 2019 17:32

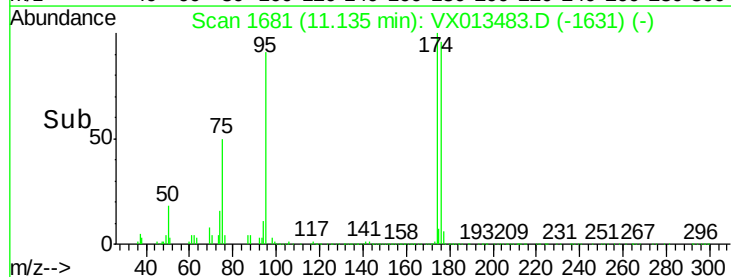
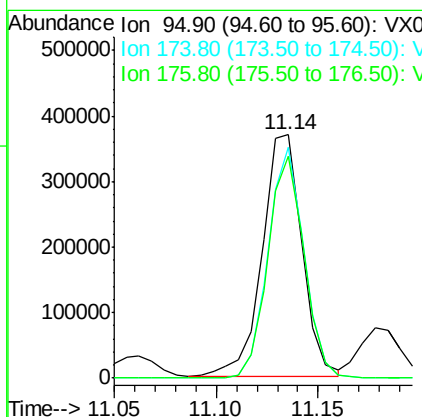
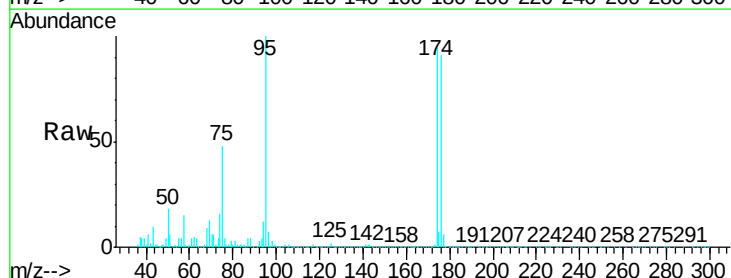
Instrument :
MSVOA_X
ClientSampleId :
FD-111919

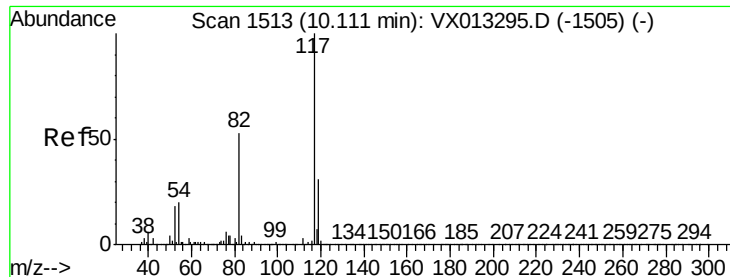
Tgt Ion: 98 Resp: 1393434
Ion Ratio Lower Upper
98 100
100 65.7 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 51.169 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX013483.D
Acq: 20 Nov 2019 17:32

Tgt Ion: 95 Resp: 499471
Ion Ratio Lower Upper
95 100
174 86.7 0.0 179.8
176 84.3 0.0 173.0

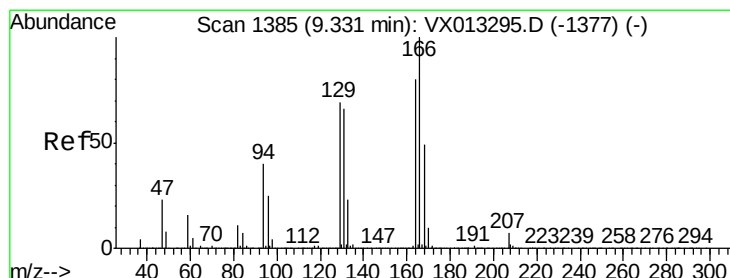
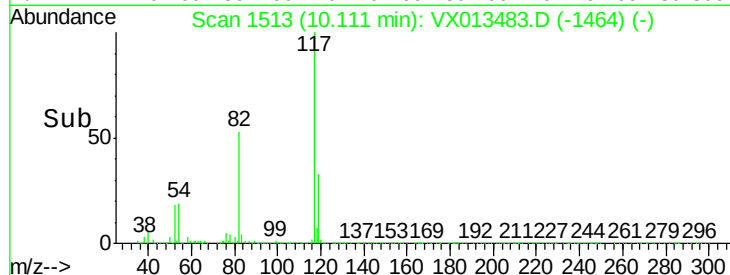
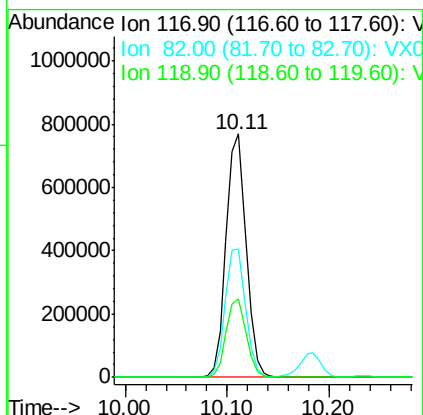
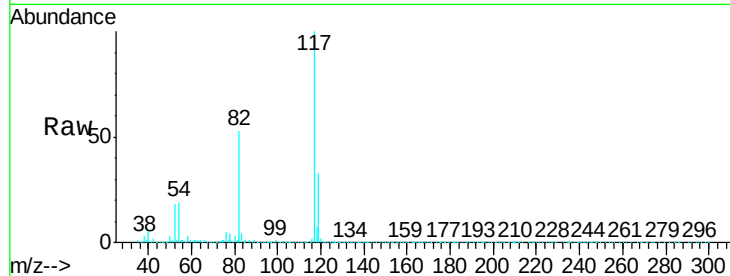




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013483.D
Acq: 20 Nov 2019 17:32

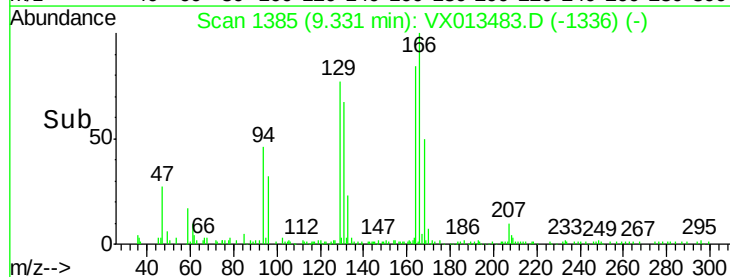
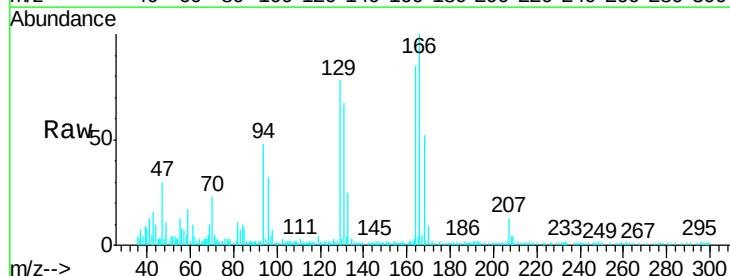
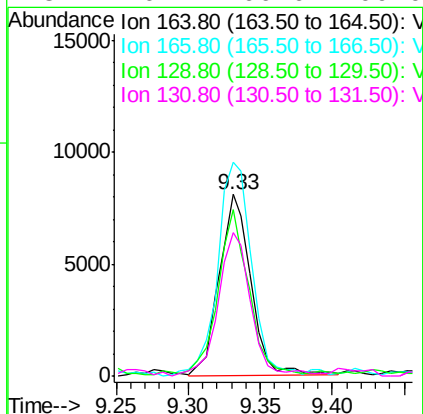
Instrument :
MSVOA_X
ClientSampled :
FD-111919

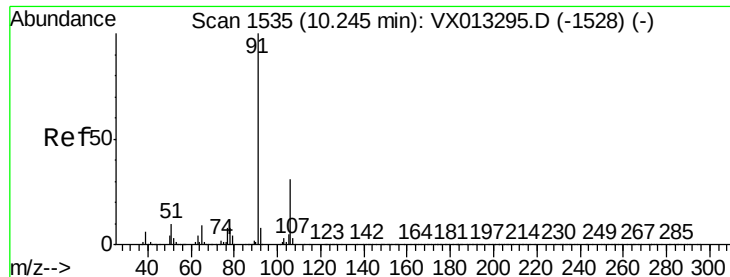
Tgt Ion:117 Resp: 1047294
Ion Ratio Lower Upper
117 100
82 52.5 42.6 64.0
119 32.5 24.8 37.2



#64
Tetrachloroethene
Concen: 1.672 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX013483.D
Acq: 20 Nov 2019 17:32

Tgt Ion:164 Resp: 12535
Ion Ratio Lower Upper
164 100
166 117.5 100.4 150.6
129 91.1 69.4 104.2
131 76.2 66.6 100.0





#67

Ethyl Benzene

Concen: 106.786 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX013483.D

Acq: 20 Nov 2019 17:32

Instrument :

MSVOA_X

ClientSampleId :

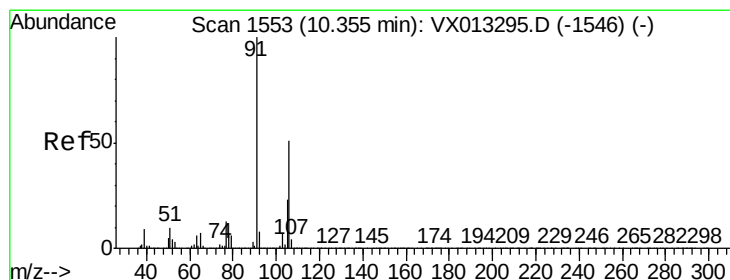
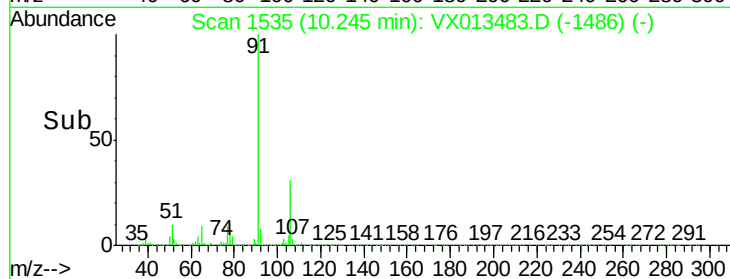
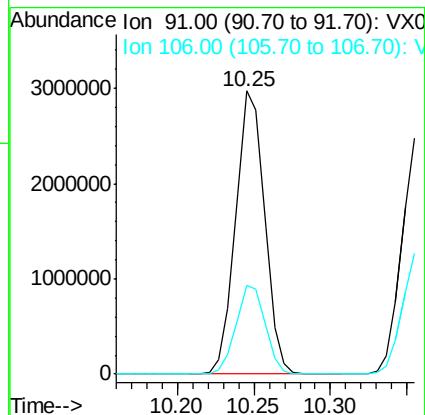
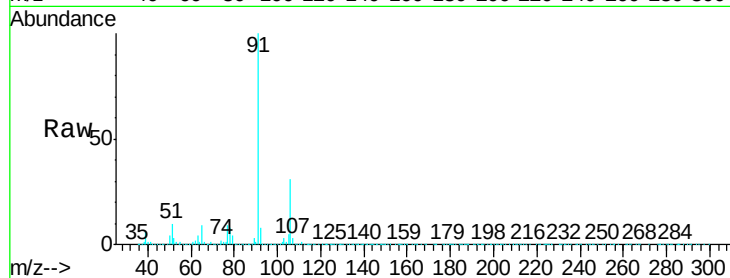
FD-111919

Tgt Ion: 91 Resp: 3907714

Ion Ratio Lower Upper

91 100

106 31.3 24.6 36.8



#68

m/p-Xylenes

Concen: 119.080 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX013483.D

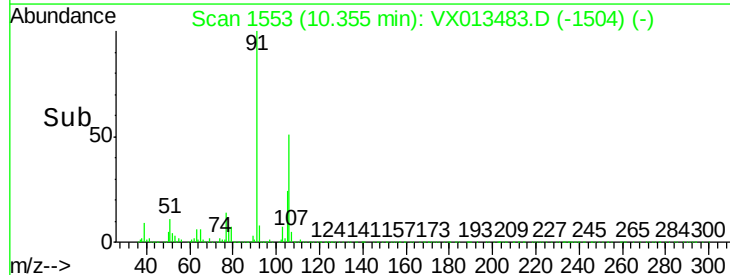
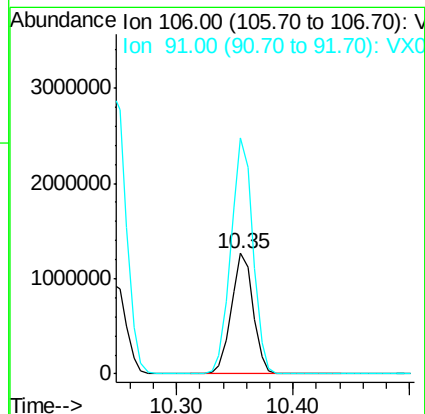
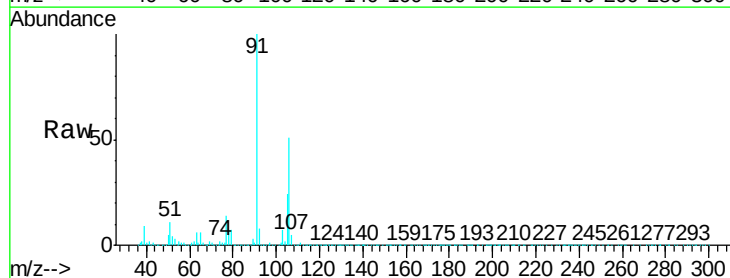
Acq: 20 Nov 2019 17:32

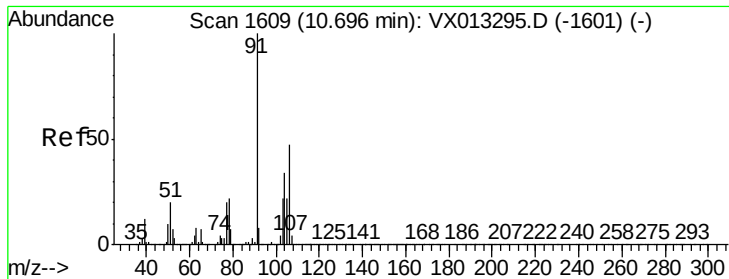
Tgt Ion: 106 Resp: 1648012

Ion Ratio Lower Upper

106 100

91 197.5 159.3 238.9

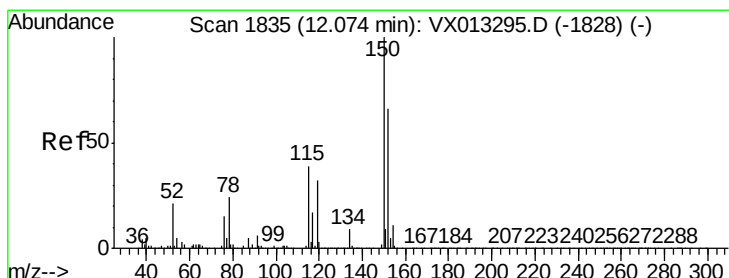
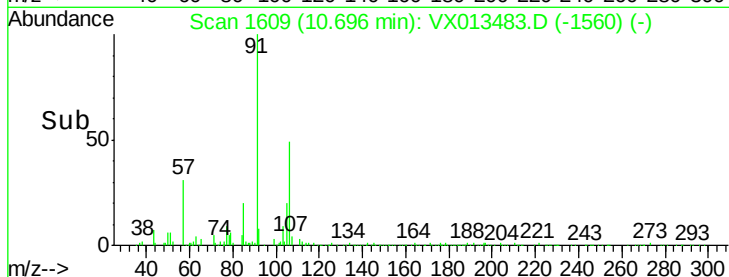
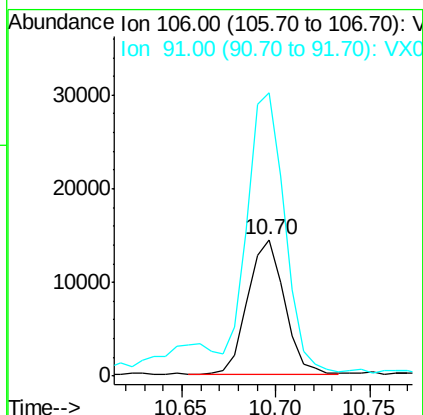
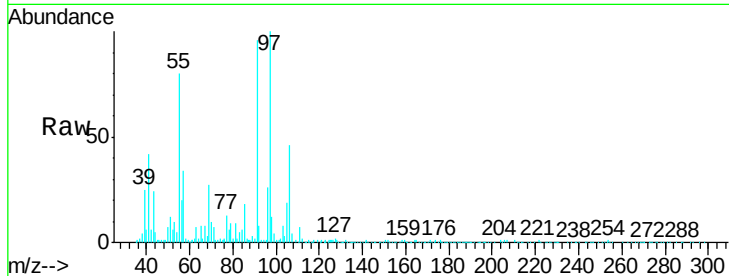




#69
o-Xylene
Concen: 1.425 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013483.D
Acq: 20 Nov 2019 17:32

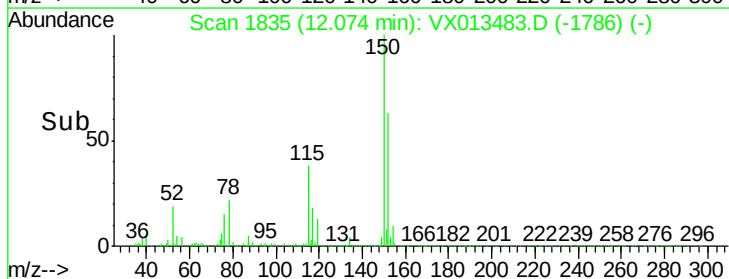
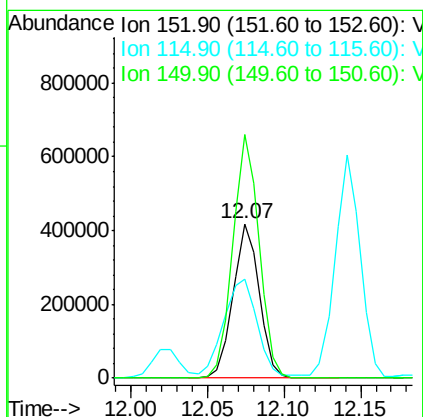
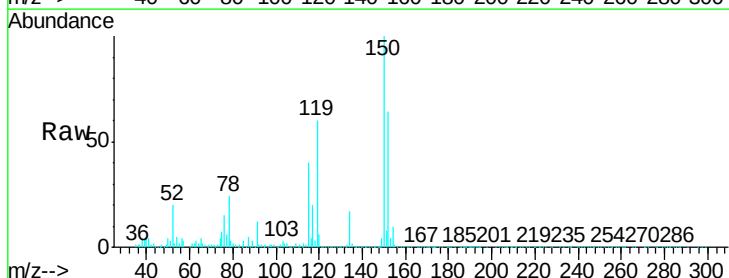
Instrument :
MSVOA_X
ClientSampleId :
FD-111919

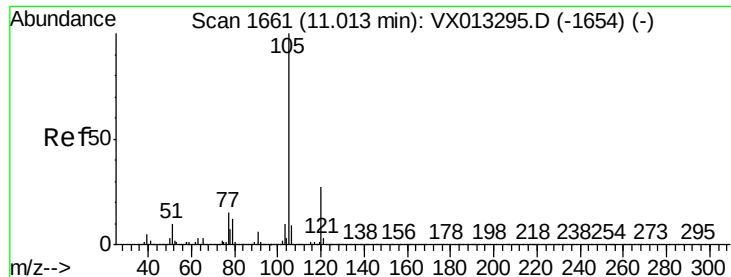
Tgt Ion:106 Resp: 19307
Ion Ratio Lower Upper
106 100
91 212.7 105.7 317.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013483.D
Acq: 20 Nov 2019 17:32

Tgt Ion:152 Resp: 493938
Ion Ratio Lower Upper
152 100
115 79.8 39.5 118.3
150 157.9 0.0 344.4





#73

Isopropylbenzene

Concen: 205.290 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX013483.D

Acq: 20 Nov 2019 17:32

Instrument :

MSVOA_X

ClientSampleId :

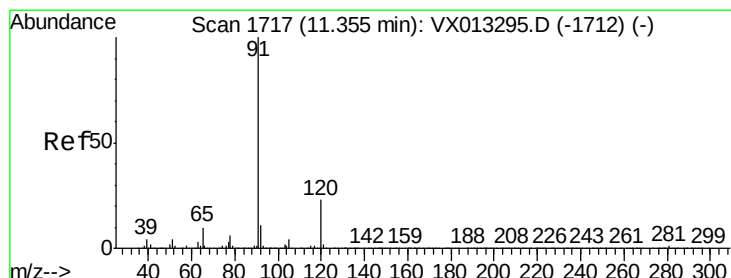
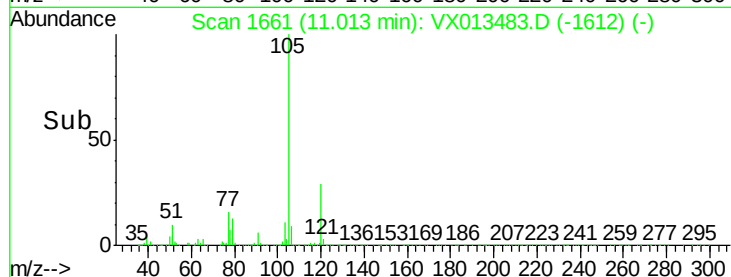
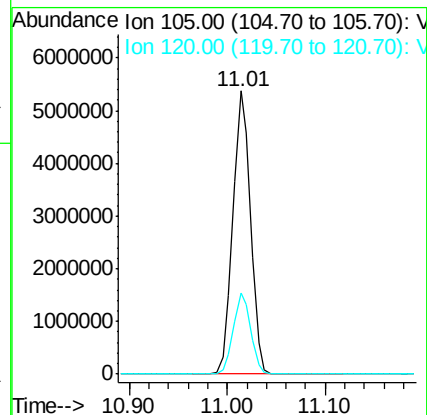
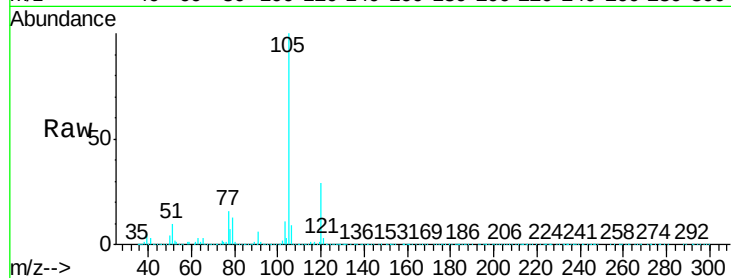
FD-111919

Tgt Ion:105 Resp: 6722999

Ion Ratio Lower Upper

105 100

120 28.1 13.5 40.5



#78

n-propylbenzene

Concen: 331.128 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013483.D

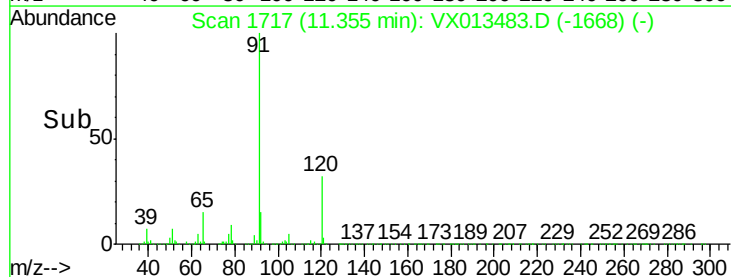
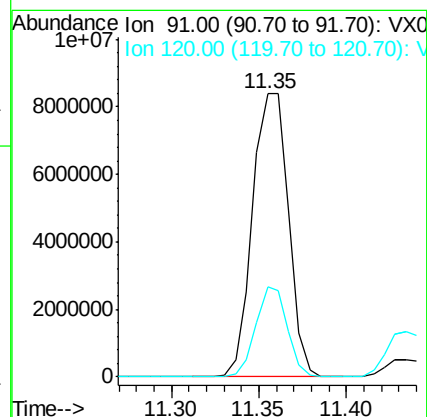
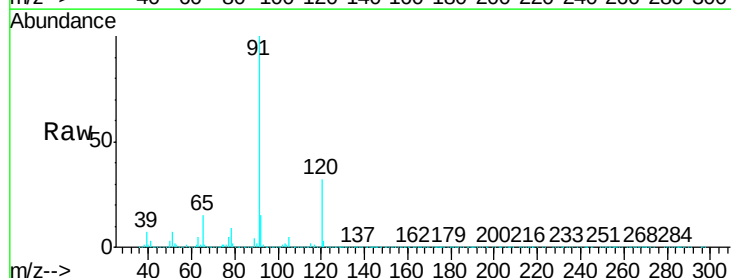
Acq: 20 Nov 2019 17:32

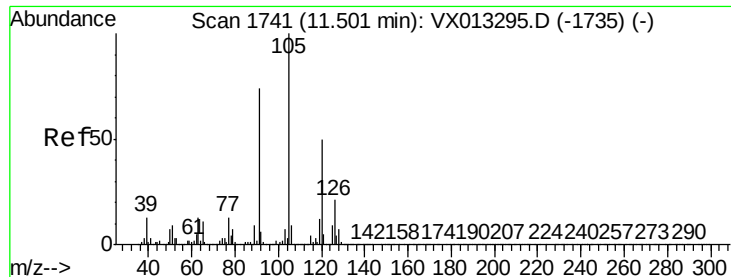
Tgt Ion: 91 Resp:12079637

Ion Ratio Lower Upper

91 100

120 28.0 11.6 34.8





#80

1,3,5-Trimethylbenzene

Concen: 305.392 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX013483.D

Acq: 20 Nov 2019 17:32

Instrument :

MSVOA_X

ClientSampleId :

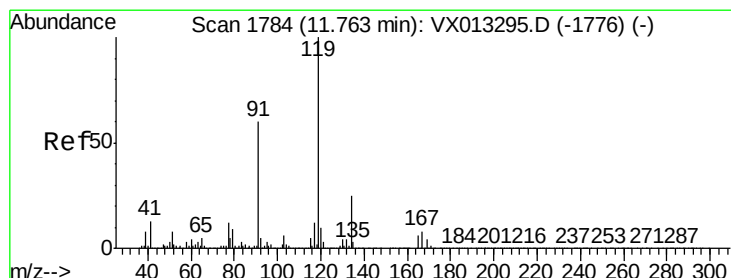
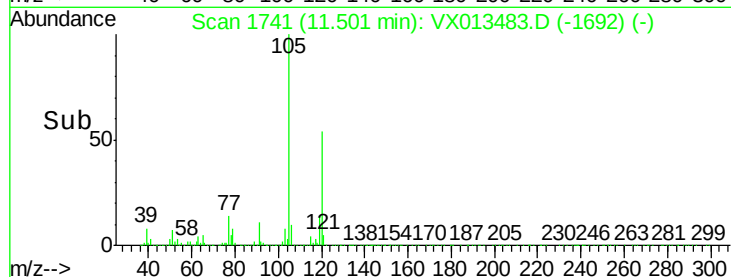
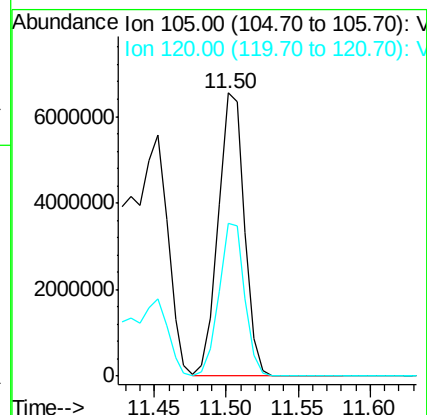
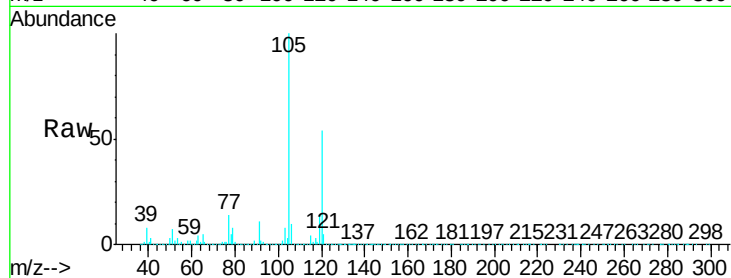
FD-111919

Tgt Ion:105 Resp: 8330500

Ion Ratio Lower Upper

105 100

120 52.9 24.9 74.8



#83

tert-Butylbenzene

Concen: 23.469 ug/l

RT: 11.77 min Scan# 1785

Delta R.T. 0.01 min

Lab File: VX013483.D

Acq: 20 Nov 2019 17:32

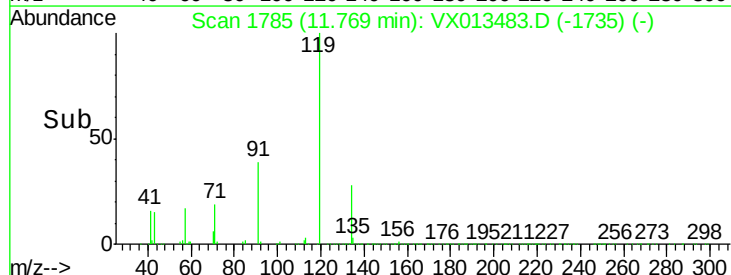
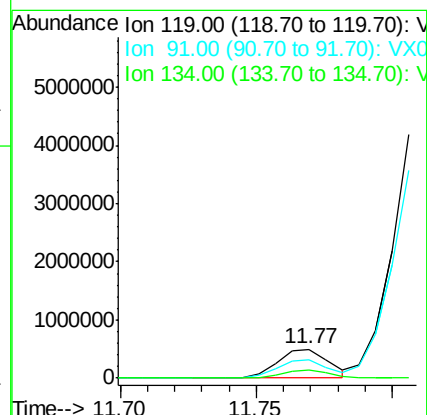
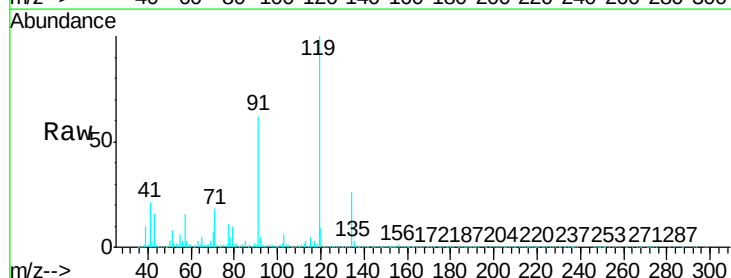
Tgt Ion:119 Resp: 644445

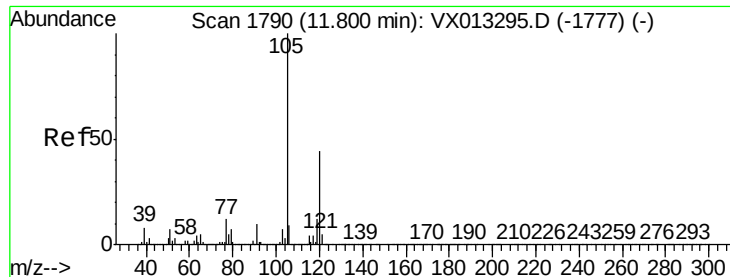
Ion Ratio Lower Upper

119 100

91 64.5 26.9 80.7

134 26.4 11.7 35.1

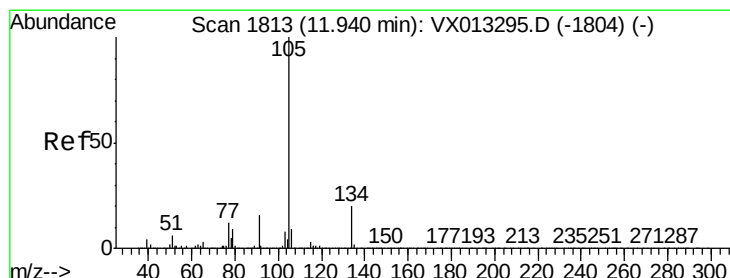
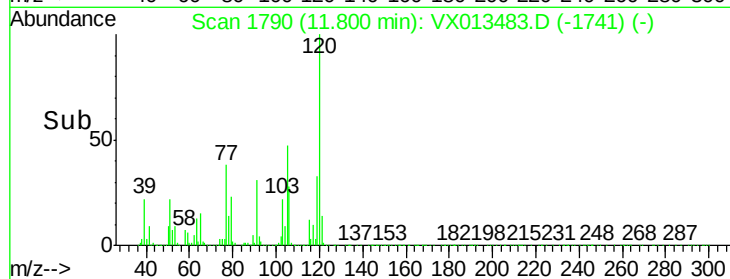
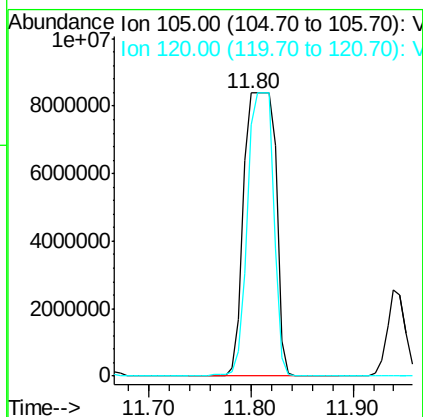
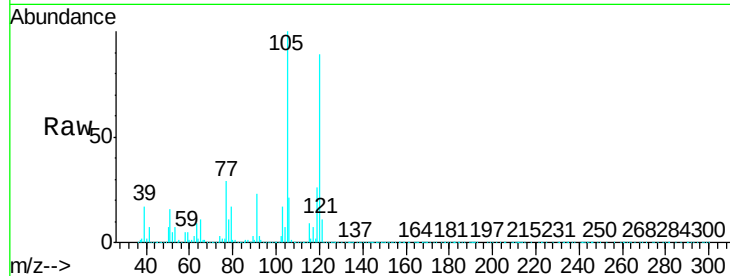




#84
 1,2,4-Trimethylbenzene
 Concen: 667.319 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX013483.D
 Acq: 20 Nov 2019 17:32

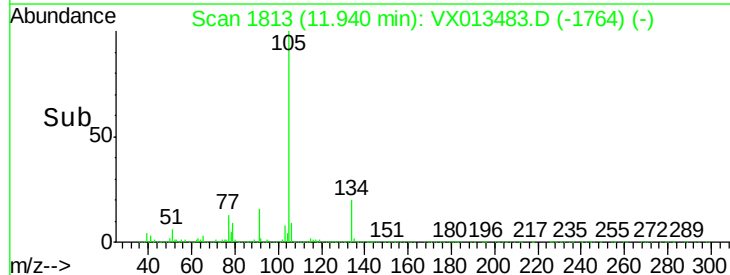
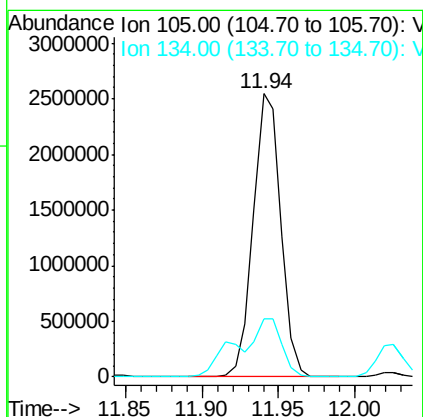
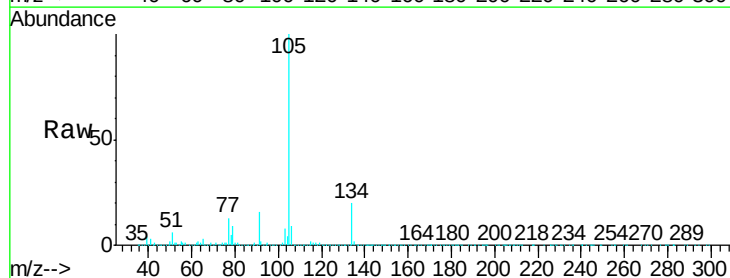
Instrument :
 MSVOA_X
 ClientSampleId :
 FD-111919

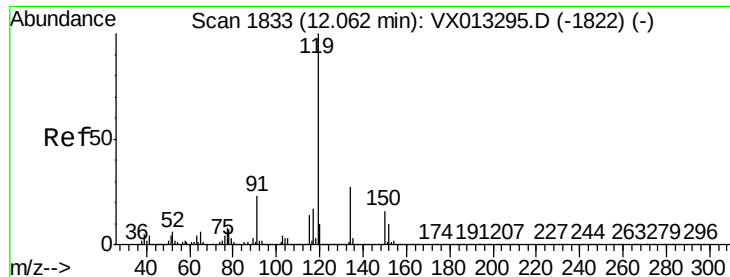
Tgt Ion:105 Resp:18260416
 Ion Ratio Lower Upper
 105 100
 120 82.3 22.7 68.1#



#85
 sec-Butylbenzene
 Concen: 101.212 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX013483.D
 Acq: 20 Nov 2019 17:32

Tgt Ion:105 Resp: 3194113
 Ion Ratio Lower Upper
 105 100
 134 32.5 10.3 30.9#

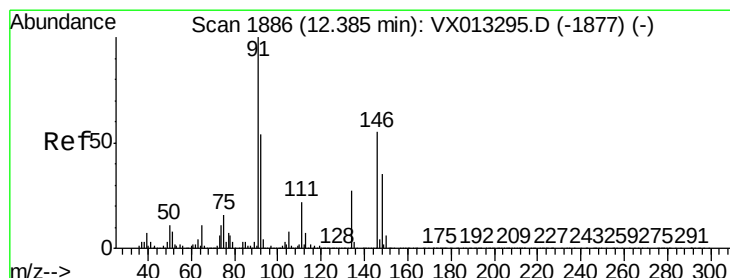
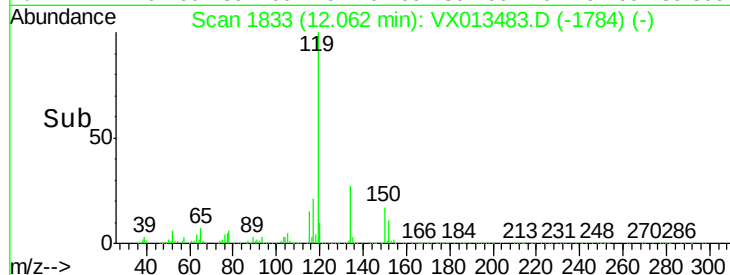
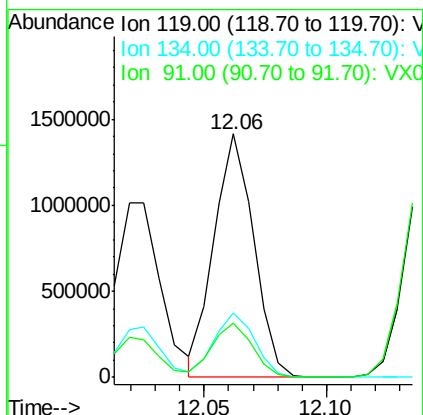
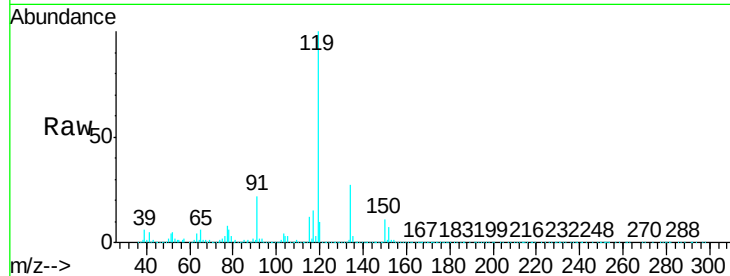




#86
p-Isopropyltoluene
Concen: 54.784 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VX013483.D
Acq: 20 Nov 2019 17:32

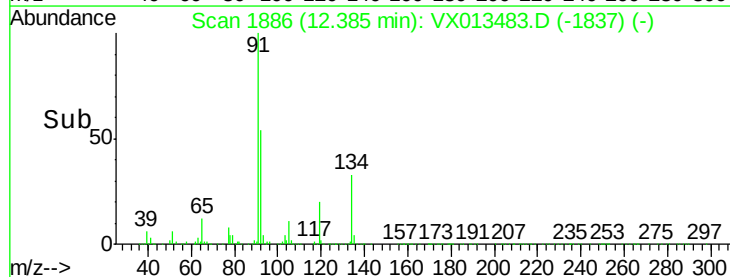
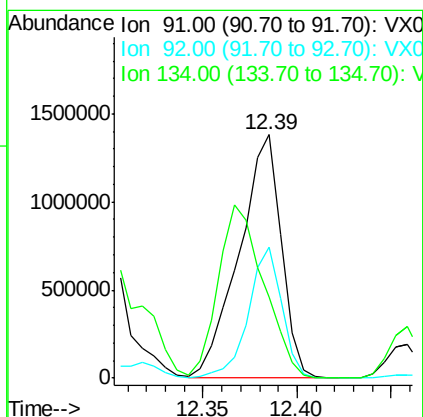
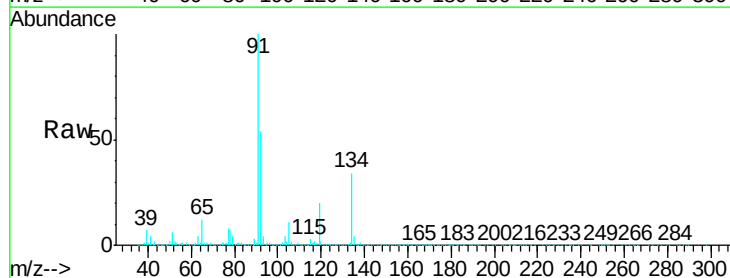
Instrument :
MSVOA_X
ClientSampled :
FD-111919

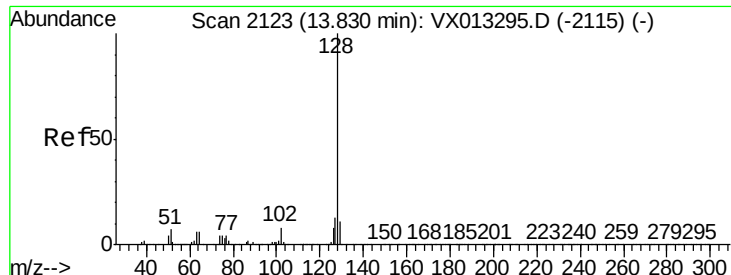
Tgt Ion: 119 Resp: 1592031
Ion Ratio Lower Upper
119 100
134 27.1 13.3 39.8
91 22.5 11.5 34.4



#89
n-Butylbenzene
Concen: 84.352 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013483.D
Acq: 20 Nov 2019 17:32

Tgt Ion: 91 Resp: 2138908
Ion Ratio Lower Upper
91 100
92 42.6 27.3 81.8
134 76.6 13.5 40.5#





#95
Naphthalene
Concen: 66.256 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX013483.D
Acq: 20 Nov 2019 17:32

Instrument :
MSVOA_X
ClientSampleId :
FD-111919

Tgt Ion:128 Resp: 2255659
Ion Ratio Lower Upper
128 100
127 13.1 10.2 15.2
129 11.3 8.5 12.7

