

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112119\
 Data File : VX013515.D
 Acq On : 21 Nov 2019 19:53
 Operator : JC/SP
 Sample : K5958-07DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-5DL

Quant Time: Nov 22 08:57:02 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	647421	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1047382	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	928292	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	470892	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	379188	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
35) Dibromofluoromethane	5.49	113	310520	47.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.54%	
50) Toluene-d8	8.71	98	1248268	50.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.80%	
62) 4-Bromofluorobenzene	11.14	95	447297	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	

Target Compounds

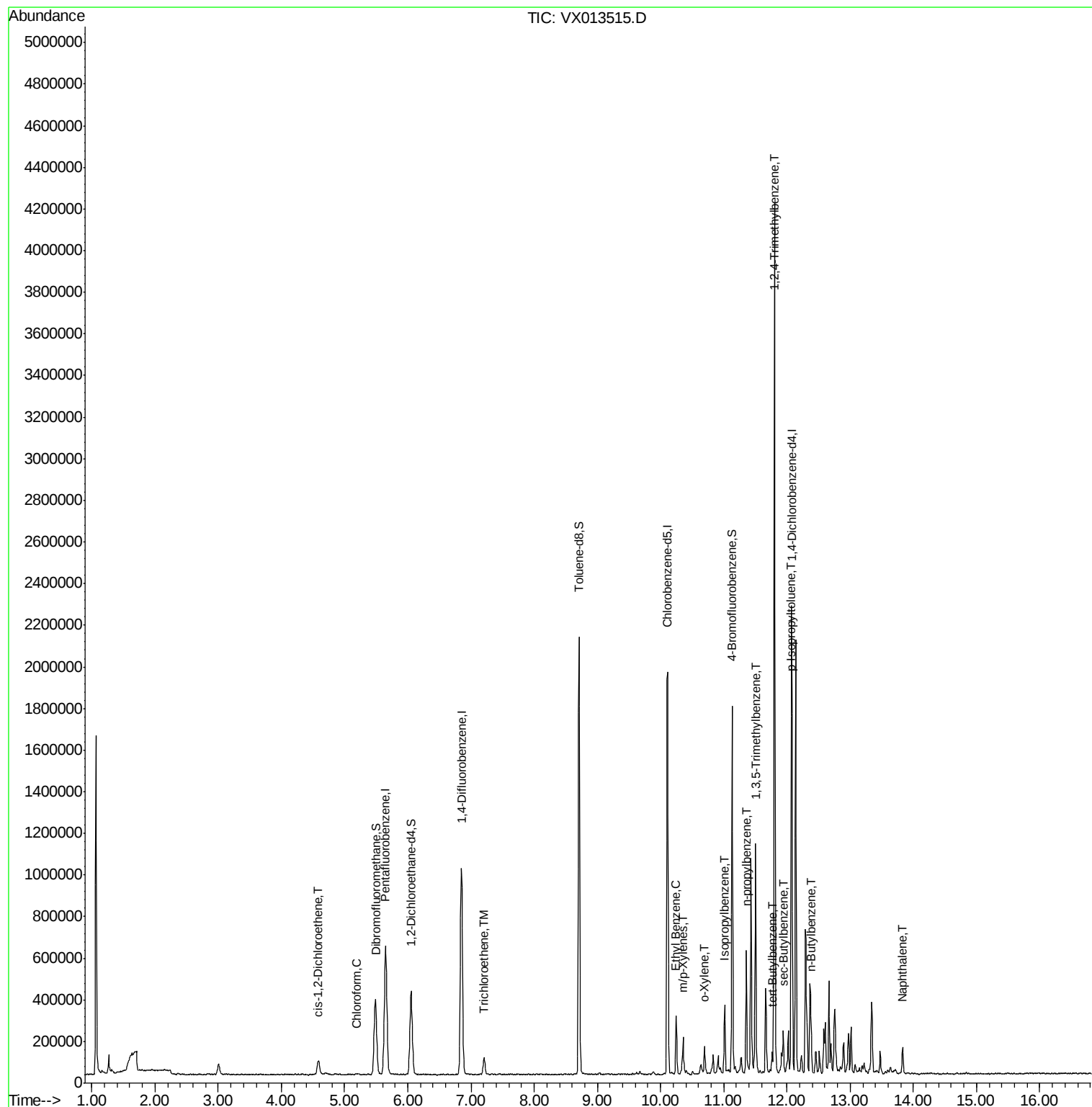
						Qvalue
27) cis-1,2-Dichloroethene	4.58	96	47495	6.557	ug/l	90
30) Chloroform	5.20	83	6708	0.583	ug/l	91
44) Trichloroethene	7.20	130	35778	4.644	ug/l	98
67) Ethyl Benzene	10.25	91	167328	5.159	ug/l	97
68) m/p-Xylenes	10.35	106	39189	3.195	ug/l	98
69) o-Xylene	10.70	106	30368	2.529	ug/l	98
73) Isopropylbenzene	11.01	105	168161	5.386	ug/l	98
78) n-propylbenzene	11.35	91	349252	10.042	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	453196	17.427	ug/l	99
83) tert-Butylbenzene	11.76	119	22325	0.853	ug/l	87
84) 1,2,4-Trimethylbenzene	11.81	105	1856133	71.151	ug/l	97
85) sec-Butylbenzene	11.94	105	101504	3.374	ug/l #	75
86) p-Isopropyltoluene	12.06	119	50553	1.825	ug/l	97
89) n-Butylbenzene	12.39	91	84069	3.478	ug/l #	52
95) Naphthalene	13.83	128	83534	2.574	ug/l	98

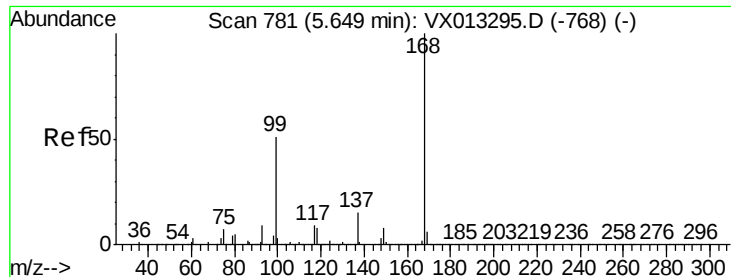
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX013515.D

Acq: 21 Nov 2019 19:53

Instrument :

MSVOA_X

ClientSampleId :

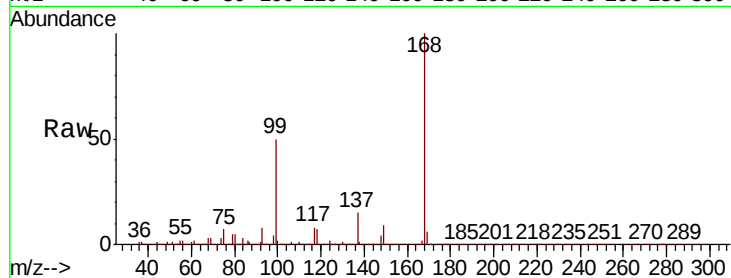
MW-5DL

Tot Ion:168 Resp: 647421

Ion Ratio Lower Upper

168 100

99 49.6 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

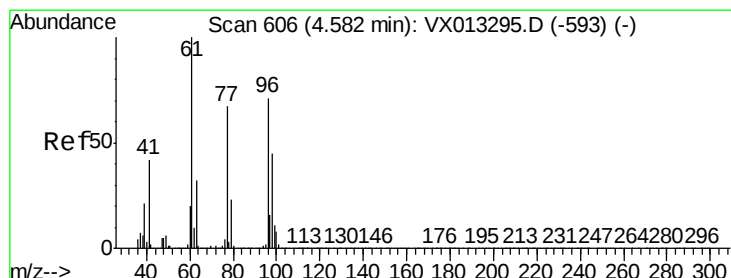
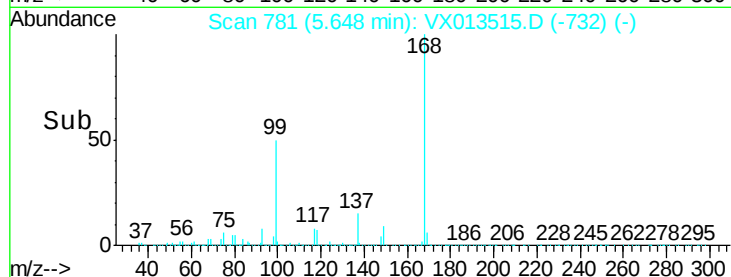
150000

100000

50000

0

Time-->



#27

cis-1,2-Dichloroethene

Concen: 6.557 ug/l

RT: 4.58 min Scan# 606

Delta R.T. -0.00 min

Lab File: VX013515.D

Acq: 21 Nov 2019 19:53

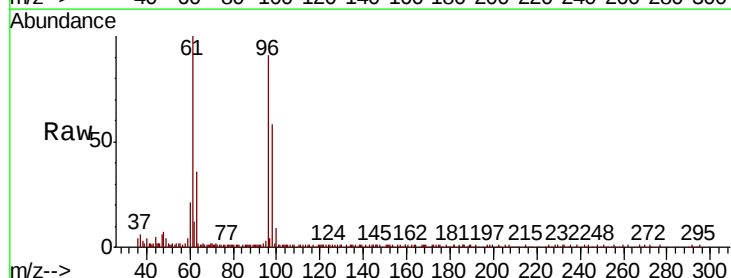
Tgt Ion: 96 Resp: 47495

Ion Ratio Lower Upper

96 100

61 126.8 0.0 288.0

98 65.7 0.0 129.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

25000

20000

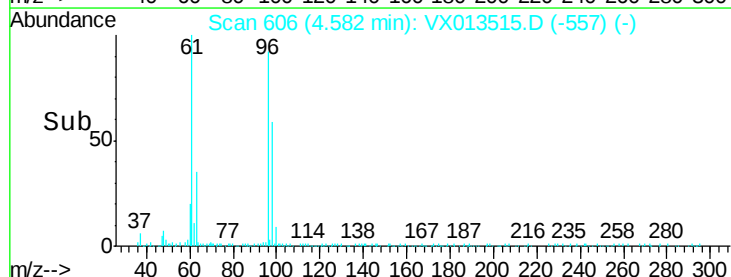
15000

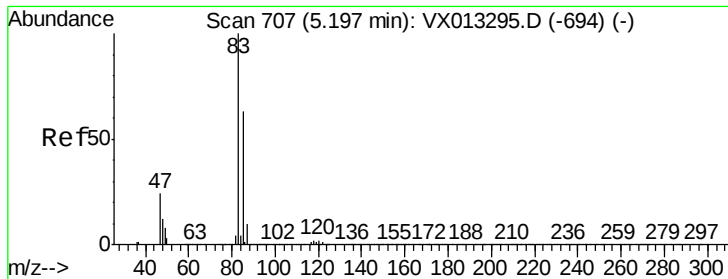
10000

5000

0

Time-->

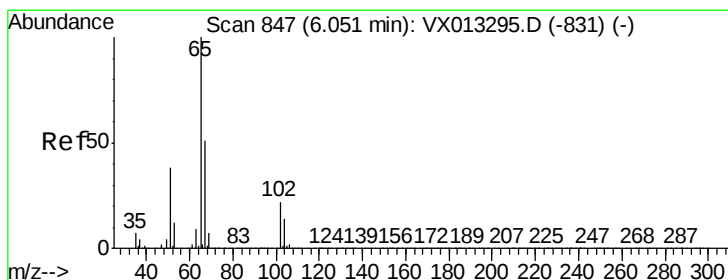
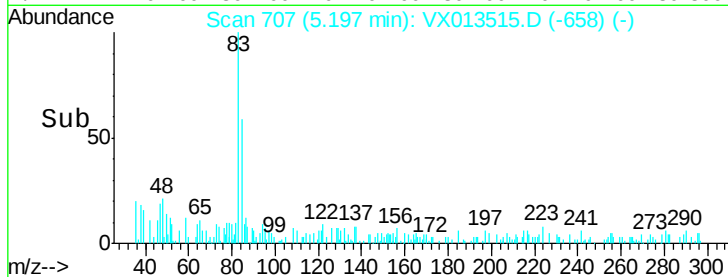
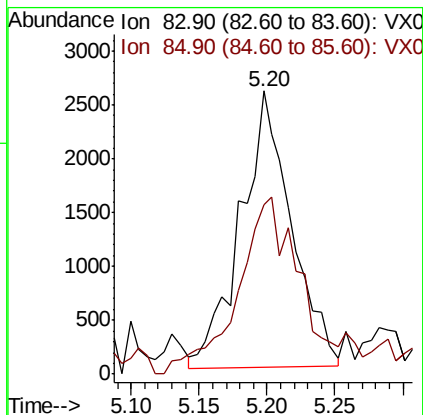
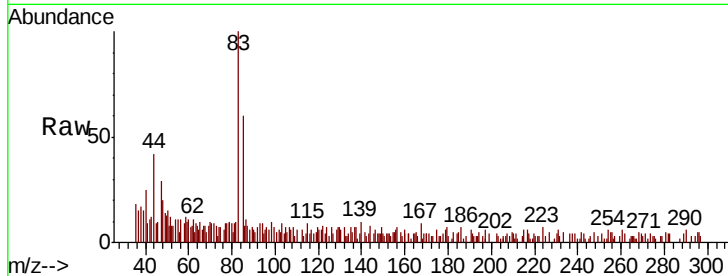




#30
Chloroform
Concen: 0.583 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.00 min
Lab File: VX013515.D
Acq: 21 Nov 2019 19:53

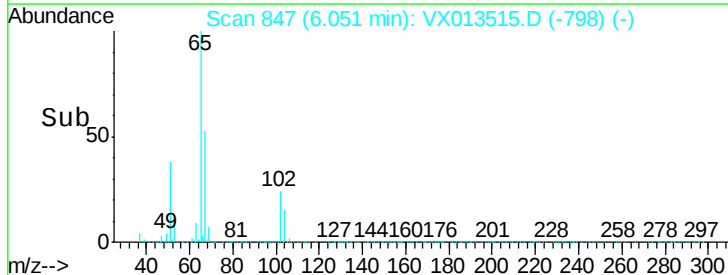
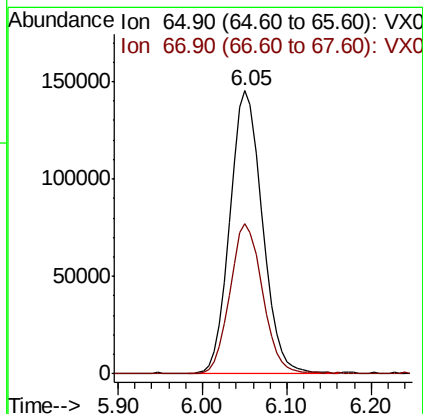
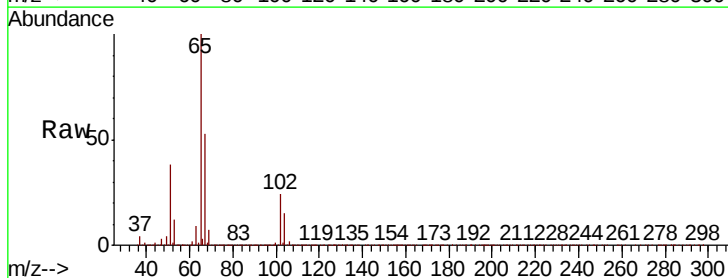
Instrument :
MSVOA_X
ClientSampled :
MW-5DL

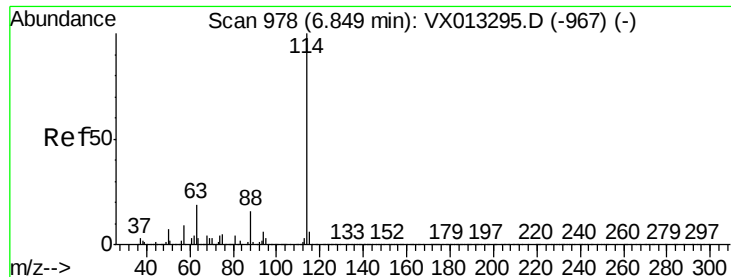
Tot Ion: 83 Resp: 6708
Ion Ratio Lower Upper
83 100
85 56.1 50.2 75.4



#33
1,2-Dichloroethane-d4
Concen: 49.438 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX013515.D
Acq: 21 Nov 2019 19:53

Tgt Ion: 65 Resp: 379188
Ion Ratio Lower Upper
65 100
67 52.9 0.0 104.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013515.D

Acq: 21 Nov 2019 19:53

Instrument :

MSVOA_X

ClientSampleId :

MW-5DL

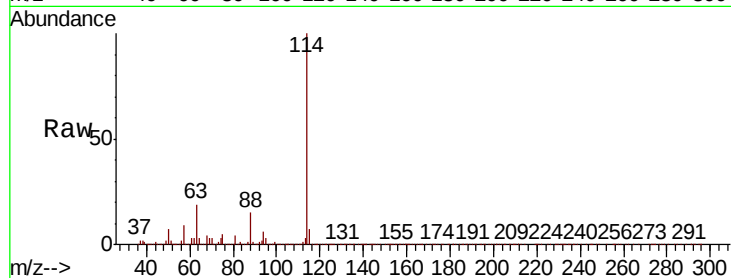
Tot Ion:114 Resp: 1047382

Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.4

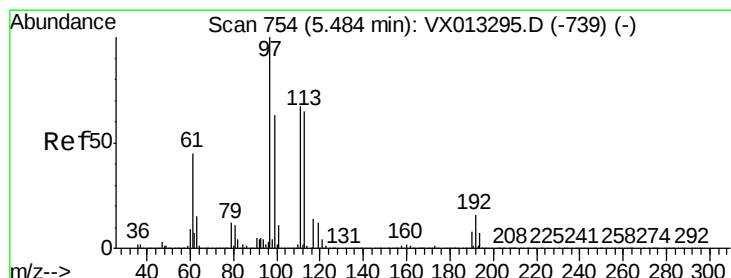
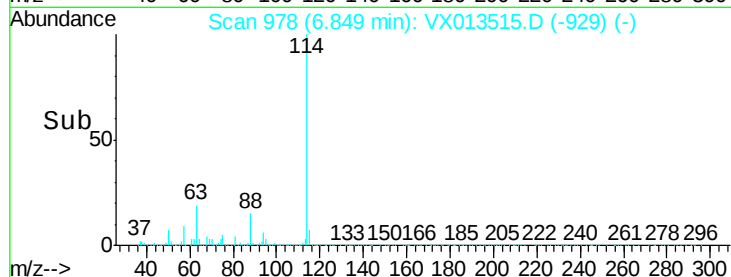
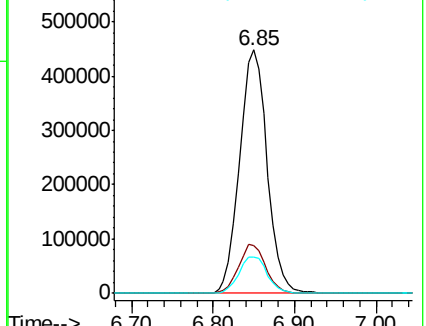
88 15.0 0.0 32.2



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: 47.268 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013515.D

Acq: 21 Nov 2019 19:53

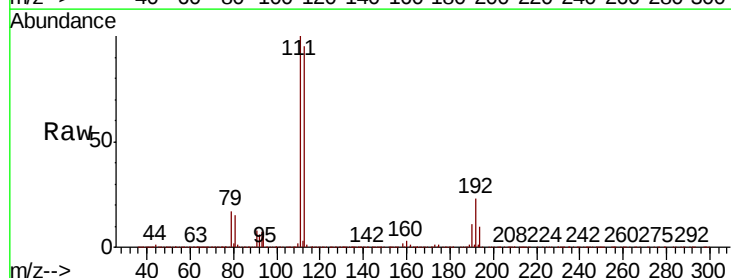
Tgt Ion:113 Resp: 310520

Ion Ratio Lower Upper

113 100

111 103.4 81.9 122.9

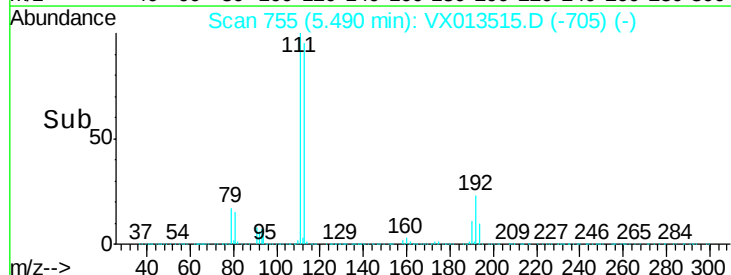
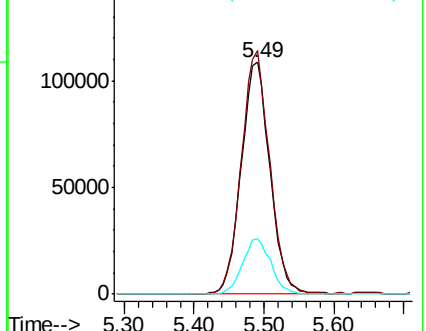
192 23.3 19.1 28.7

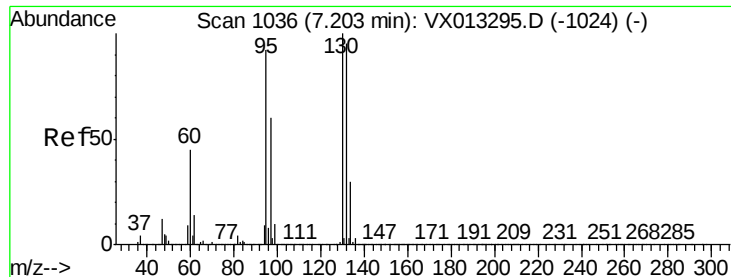


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 4.644 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VX013515.D

Acq: 21 Nov 2019 19:53

Instrument :

MSVOA_X

ClientSampleId :

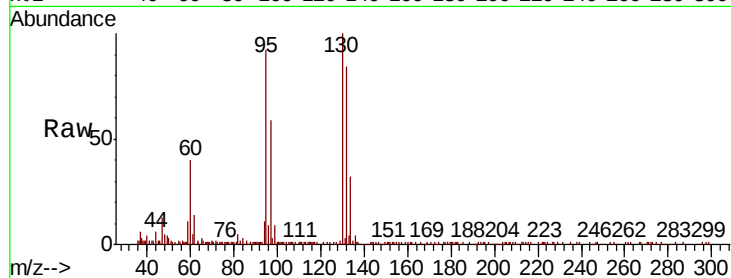
MW-5DL

Tot Ion:130 Resp: 35778

Ion Ratio Lower Upper

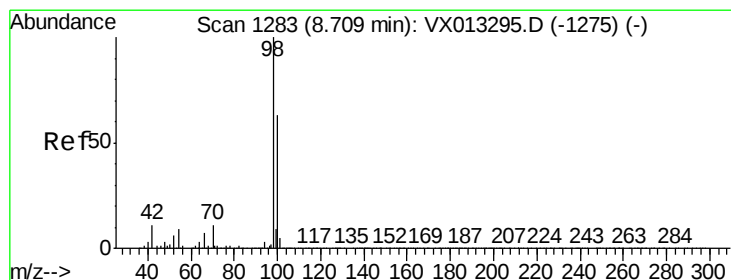
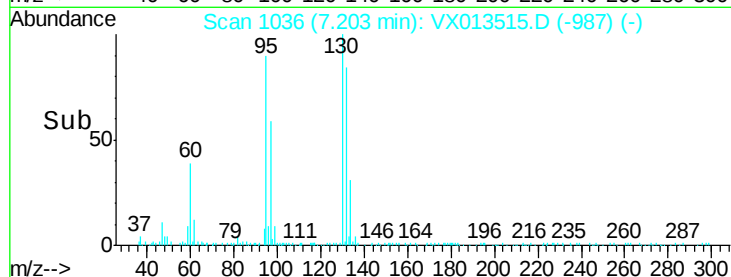
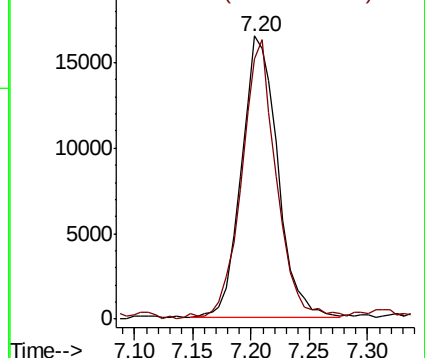
130 100

95 90.9 0.0 184.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 50.403 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013515.D

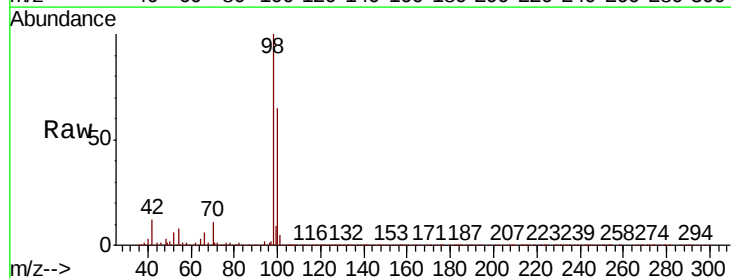
Acq: 21 Nov 2019 19:53

Tgt Ion: 98 Resp: 1248268

Ion Ratio Lower Upper

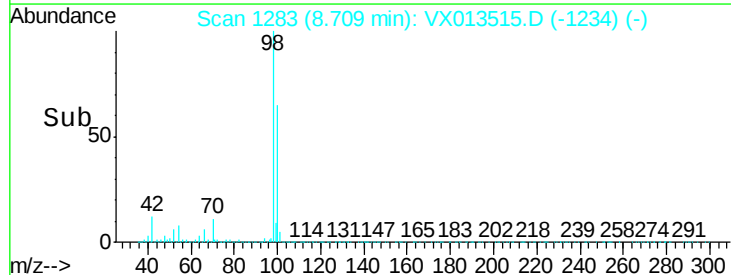
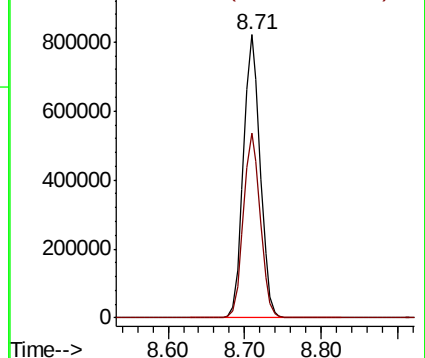
98 100

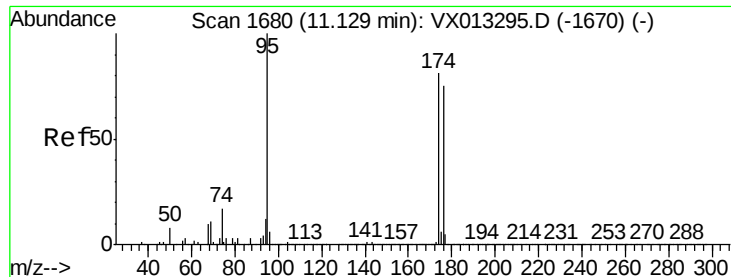
100 65.7 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 50.044 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013515.D

Acq: 21 Nov 2019 19:53

Instrument :

MSVOA_X

ClientSampleId :

MW-5DL

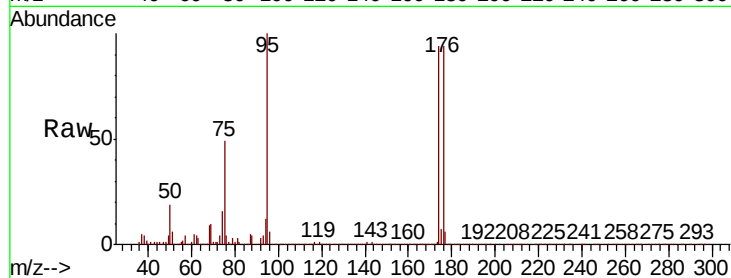
Tot Ion: 95 Resp: 447297

Ion Ratio Lower Upper

95 100

174 89.9 0.0 179.8

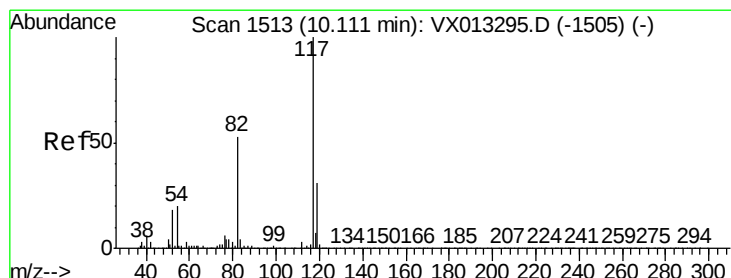
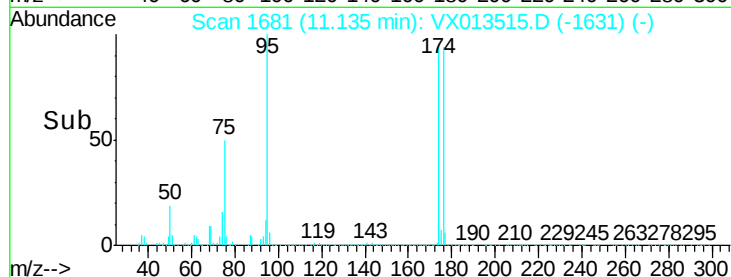
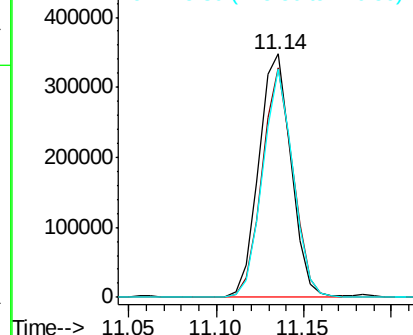
176 88.1 0.0 173.0



Abundance Ion 94.90 (94.60 to 95.60): VX013295.D (-1670) (-)

Ion 173.80 (173.50 to 174.50): VX013295.D (-1670) (-)

Ion 175.80 (175.50 to 176.50): VX013295.D (-1670) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013515.D

Acq: 21 Nov 2019 19:53

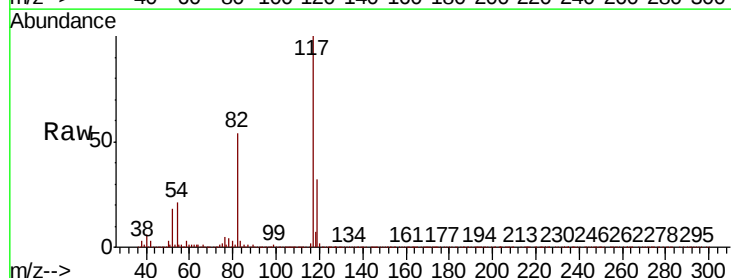
Tgt Ion: 117 Resp: 928292

Ion Ratio Lower Upper

117 100

82 54.4 42.6 64.0

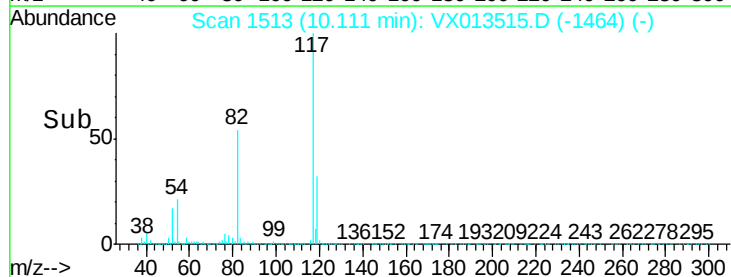
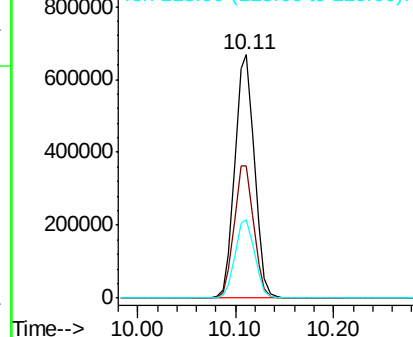
119 32.2 24.8 37.2

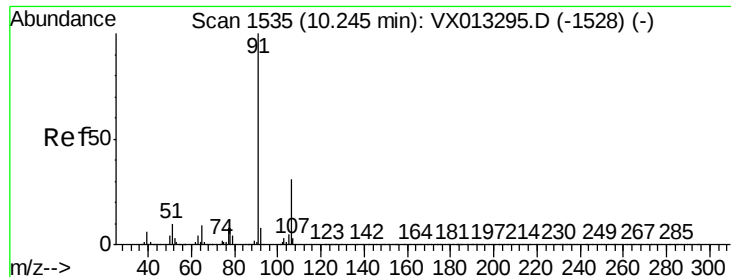


Abundance Ion 116.90 (116.60 to 117.60): VX013295.D (-1505) (-)

Ion 82.00 (81.70 to 82.70): VX013295.D (-1505) (-)

Ion 118.90 (118.60 to 119.60): VX013295.D (-1505) (-)





#67

Ethyl Benzene

Concen: 5.159 ug/l

RT: 10.25 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VX013515.D

Acq: 21 Nov 2019 19:53

Instrument :

MSVOA_X

ClientSampleId :

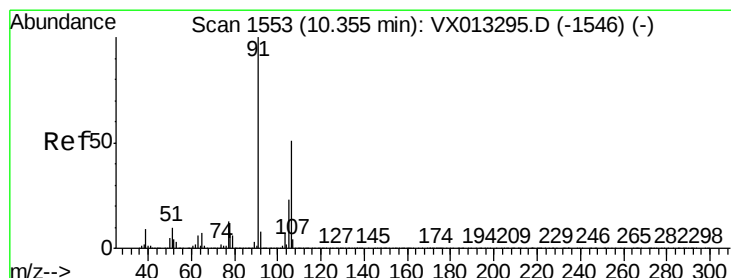
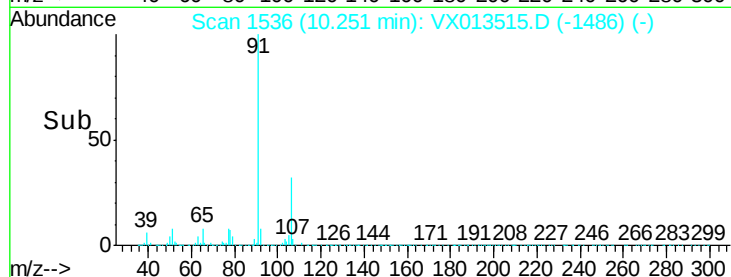
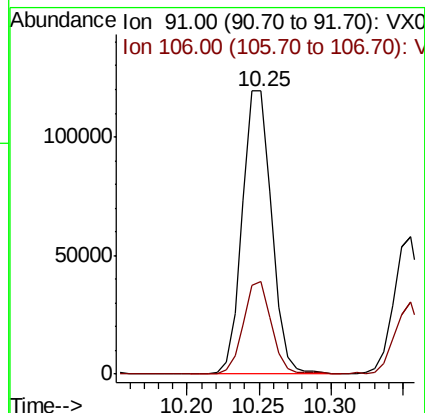
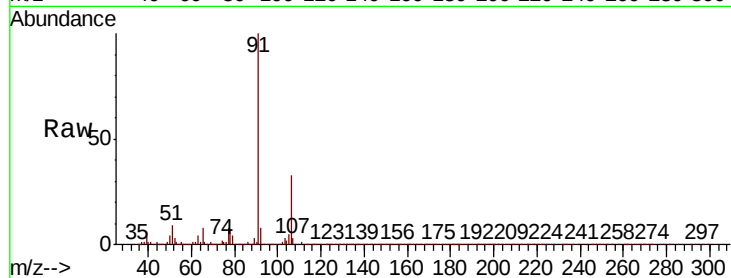
MW-5DL

Tot Ion: 91 Resp: 167328

Ion Ratio Lower Upper

91 100

106 32.4 24.6 36.8



#68

m/p-Xylenes

Concen: 3.195 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. -0.00 min

Lab File: VX013515.D

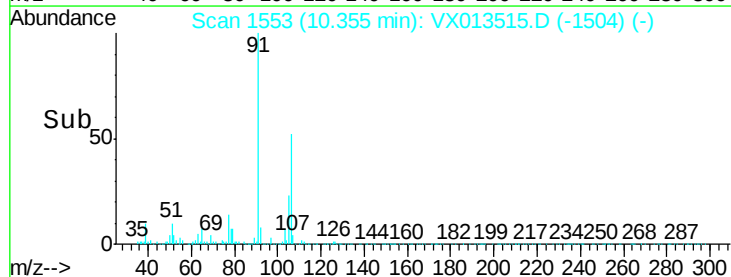
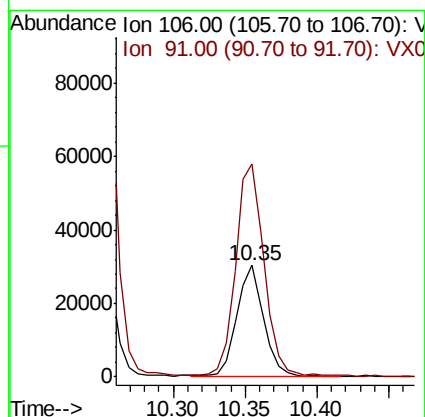
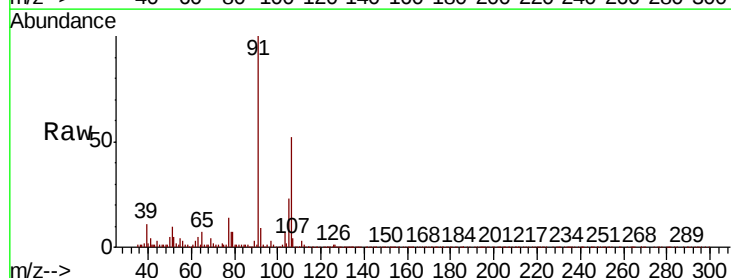
Acq: 21 Nov 2019 19:53

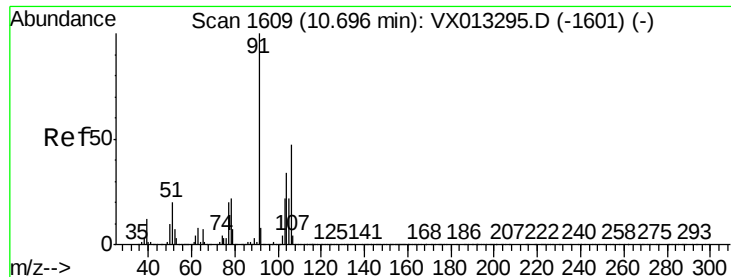
Tgt Ion: 106 Resp: 39189

Ion Ratio Lower Upper

106 100

91 202.2 159.3 238.9

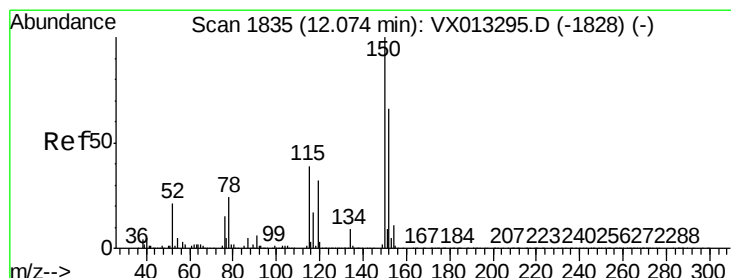
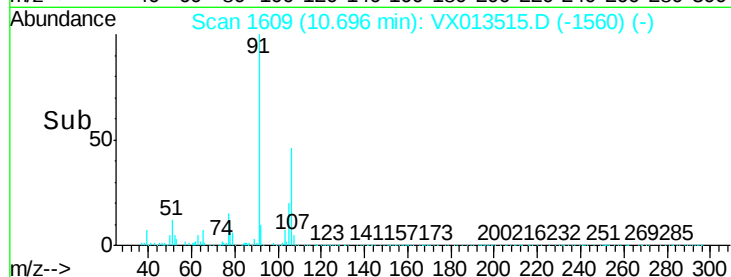
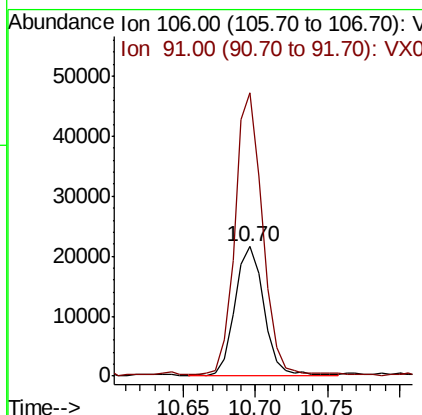
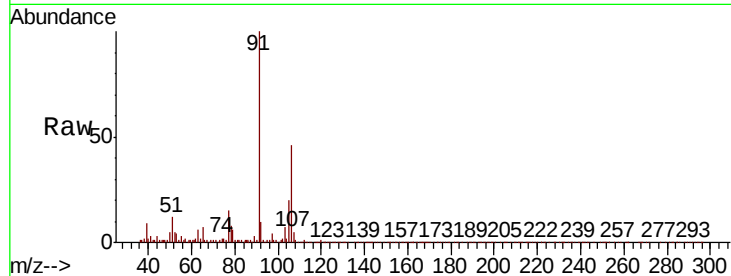




#69
o-Xylene
Concen: 2.529 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013515.D
Acq: 21 Nov 2019 19:53

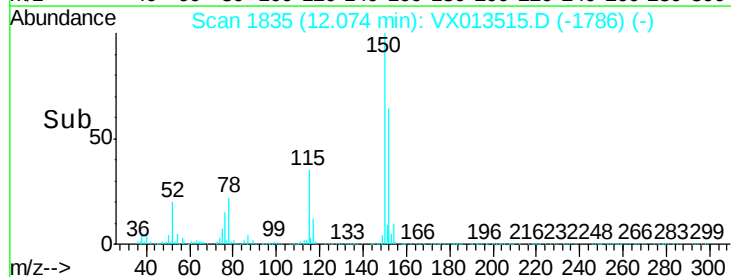
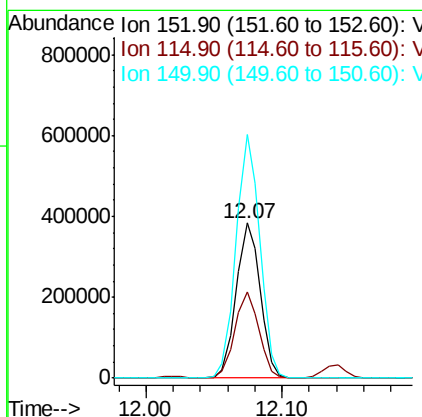
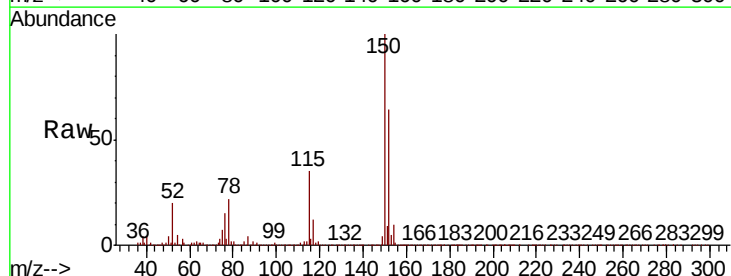
Instrument :
MSVOA_X
ClientSampled :
MW-5DL

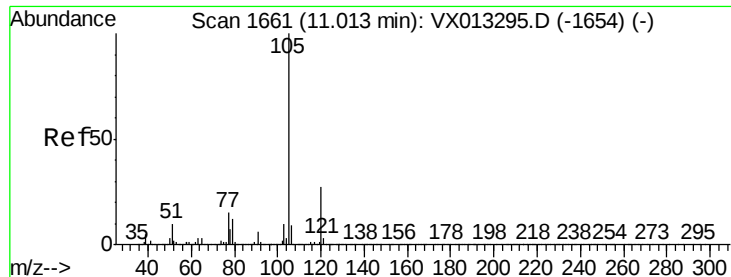
Tot Ion:106 Resp: 30368
Ion Ratio Lower Upper
106 100
91 208.1 105.7 317.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013515.D
Acq: 21 Nov 2019 19:53

Tgt Ion:152 Resp: 470892
Ion Ratio Lower Upper
152 100
115 55.9 39.5 118.3
150 156.0 0.0 344.4





#73

Isopropylbenzene

Concen: 5.386 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX013515.D

Acq: 21 Nov 2019 19:53

Instrument :

MSVOA_X

ClientSampled :

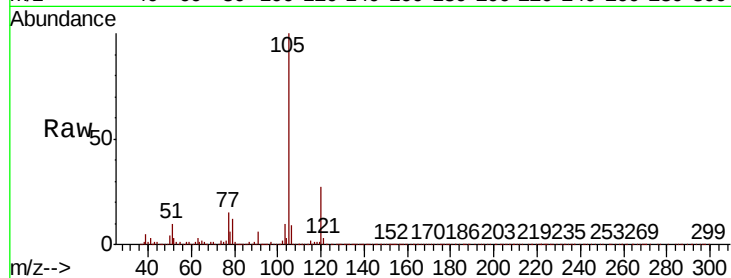
MW-5DL

Tot Ion:105 Resp: 168161

Ion Ratio Lower Upper

105 100

120 27.8 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.01

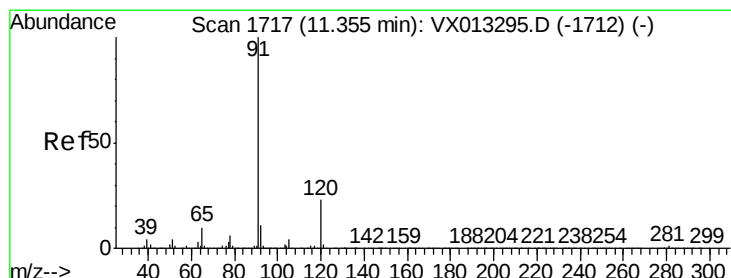
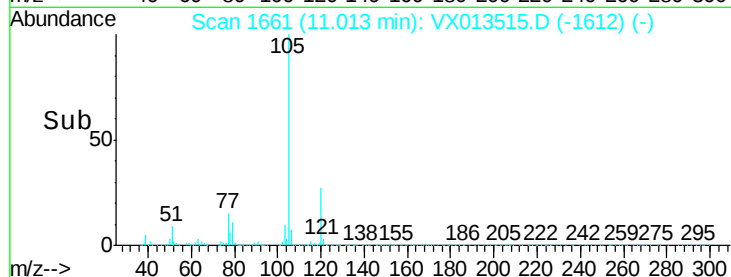
150000

100000

50000

0

Time-->



#78

n-propylbenzene

Concen: 10.042 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013515.D

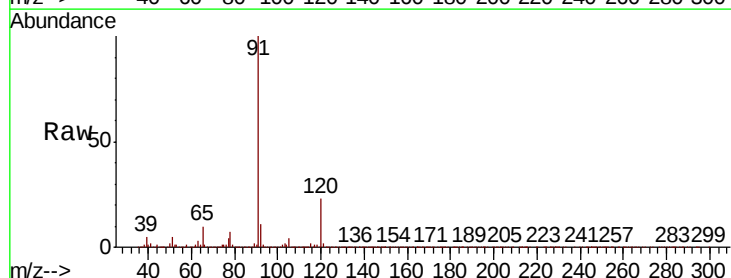
Acq: 21 Nov 2019 19:53

Tgt Ion: 91 Resp: 349252

Ion Ratio Lower Upper

91 100

120 24.0 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

11.35

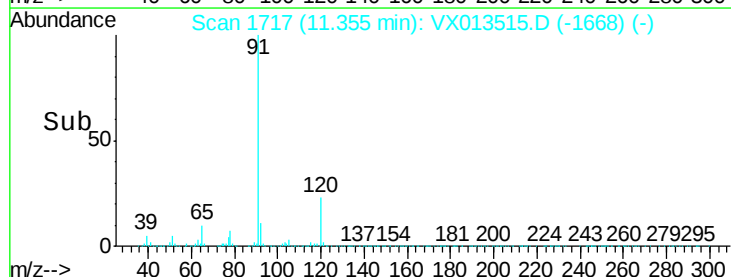
300000

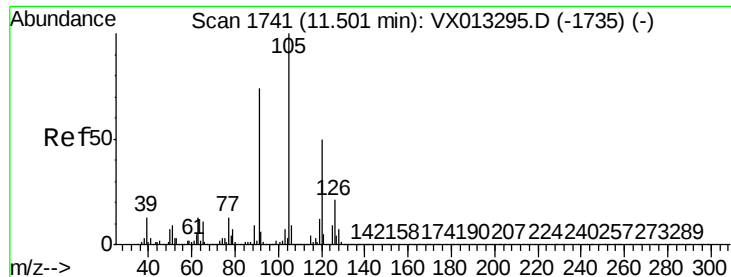
200000

100000

0

Time-->





#80

1,3,5-Trimethylbenzene

Concen: 17.427 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX013515.D

Acq: 21 Nov 2019 19:53

Instrument :

MSVOA_X

ClientSampleId :

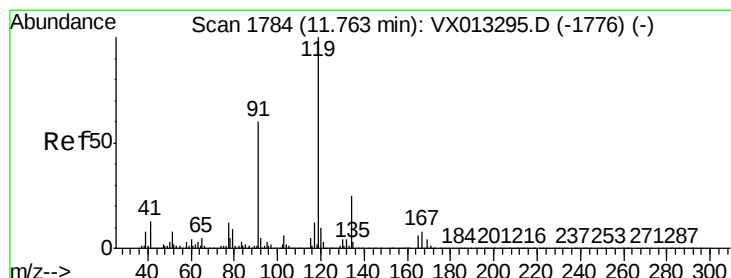
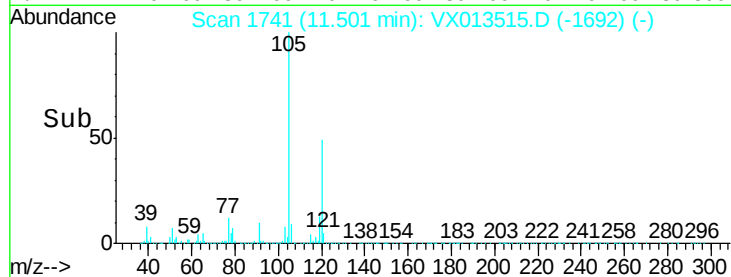
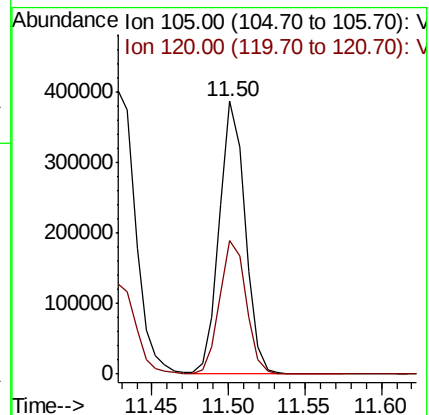
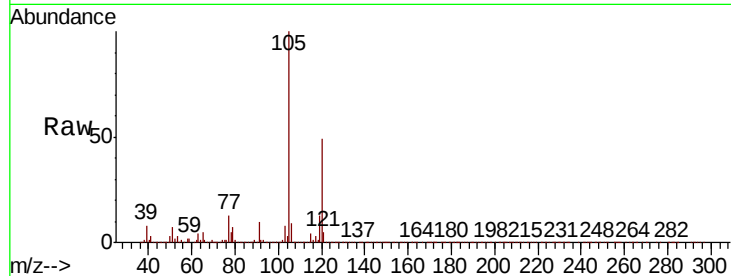
MW-5DL

Tot Ion:105 Resp: 453196

Ion Ratio Lower Upper

105 100

120 50.4 24.9 74.8



#83

tert-Butylbenzene

Concen: 0.853 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.00 min

Lab File: VX013515.D

Acq: 21 Nov 2019 19:53

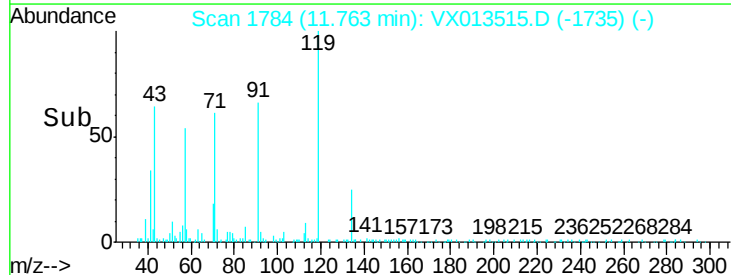
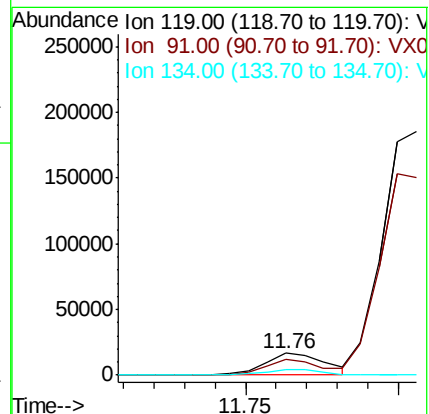
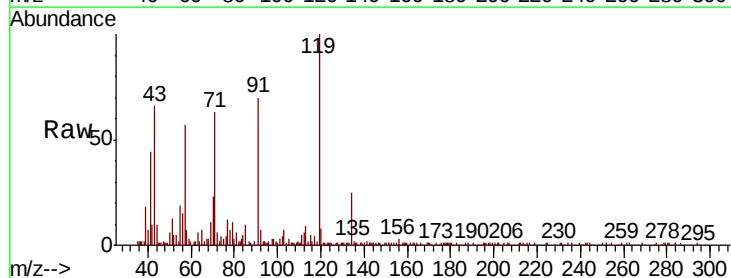
Tgt Ion:119 Resp: 22325

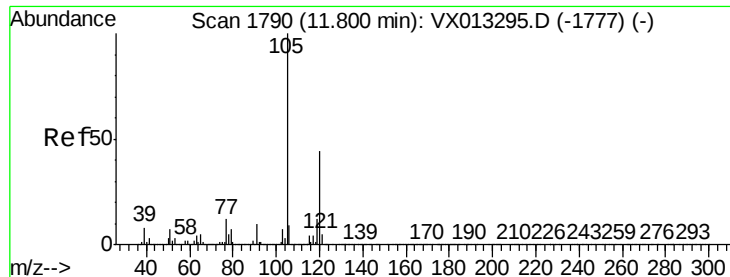
Ion Ratio Lower Upper

119 100

91 66.4 26.9 80.7

134 24.6 11.7 35.1





#84

1,2,4-Trimethylbenzene

Concen: 71.151 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. 0.01 min

Lab File: VX013515.D

Acq: 21 Nov 2019 19:53

Instrument :

MSVOA_X

ClientSampleId :

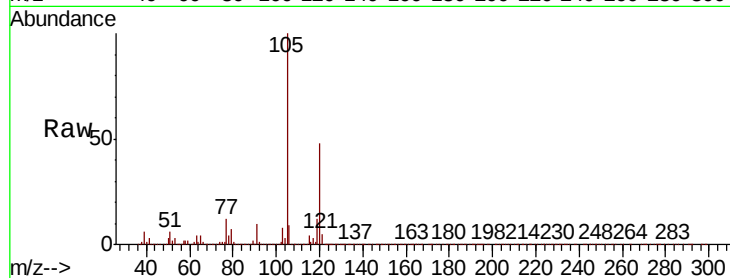
MW-5DL

Tot Ion:105 Resp: 1856133

Ion Ratio Lower Upper

105 100

120 47.4 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

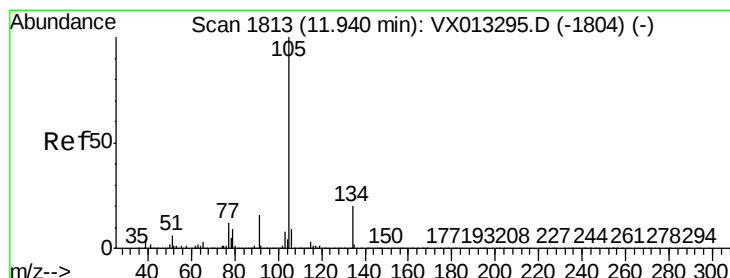
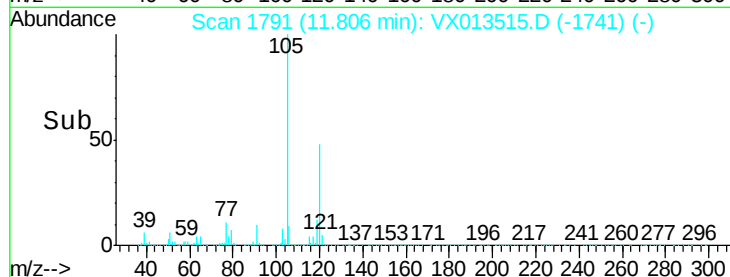
1500000

1000000

500000

0

Time--> 11.70 11.80 11.90



#85

sec-Butylbenzene

Concen: 3.374 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX013515.D

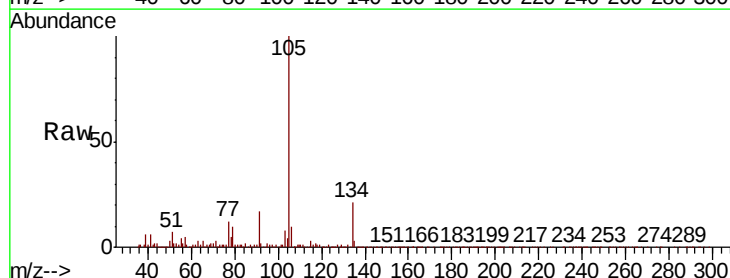
Acq: 21 Nov 2019 19:53

Tgt Ion:105 Resp: 101504

Ion Ratio Lower Upper

105 100

134 32.1 10.3 30.9#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

80000

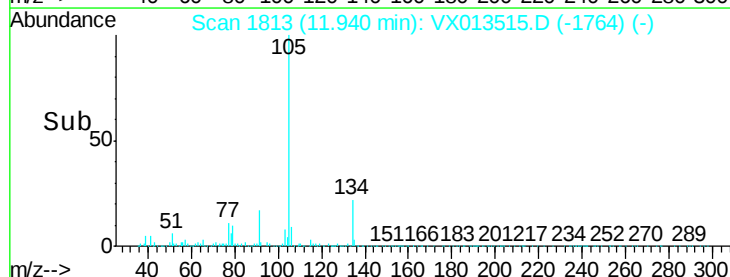
60000

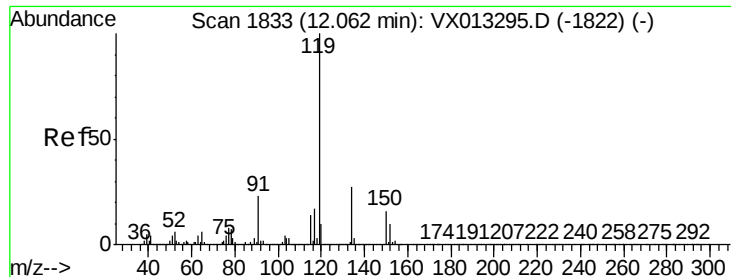
40000

20000

0

Time--> 11.85 11.90 11.95 12.00

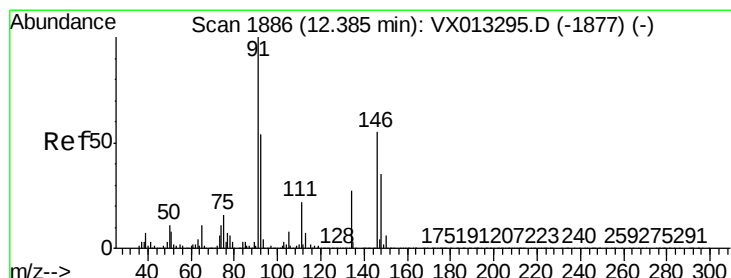
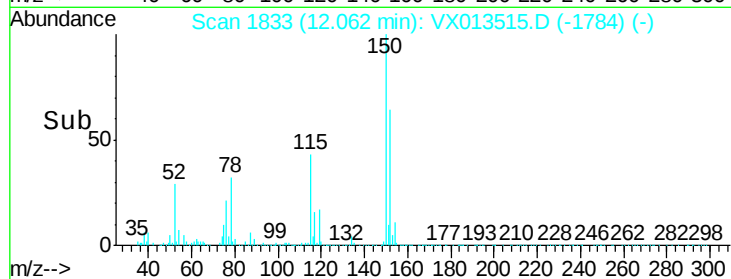
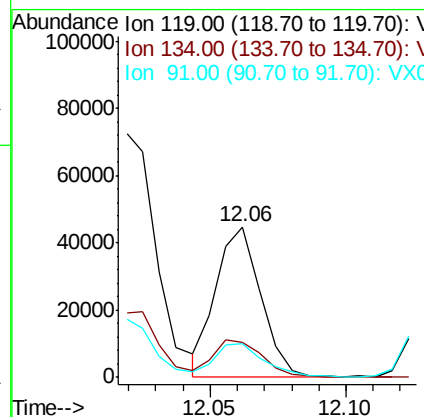
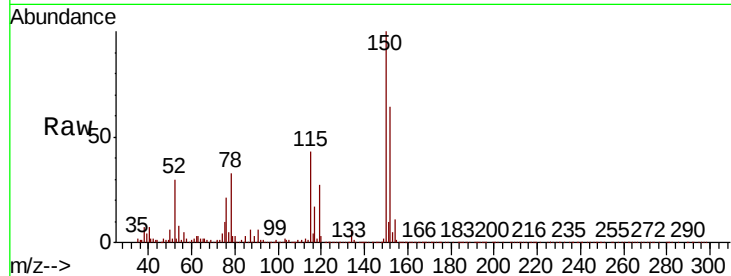




#86
p-Isopropyltoluene
Concen: 1.825 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VX013515.D
Acq: 21 Nov 2019 19:53

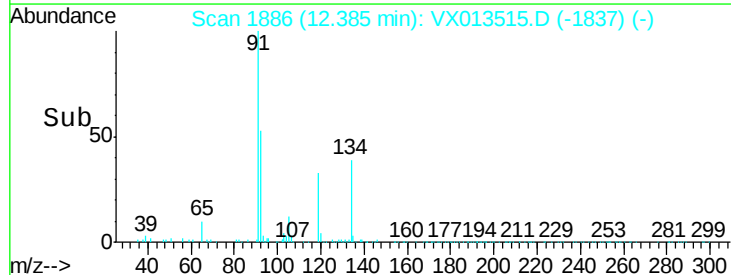
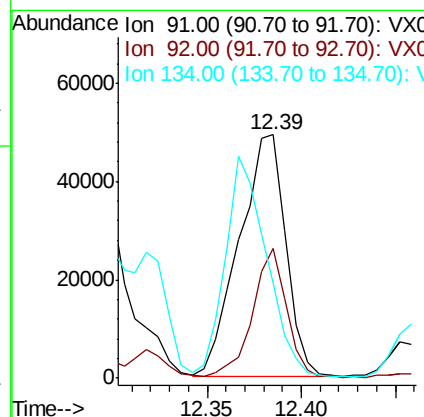
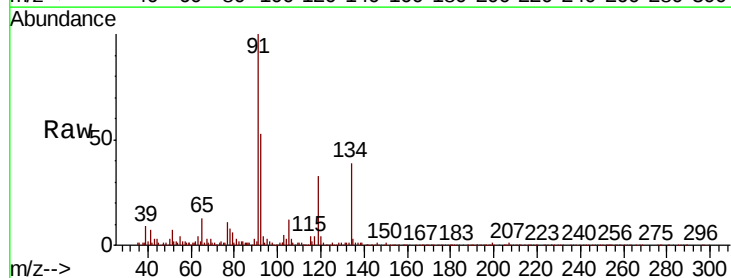
Instrument :
MSVOA_X
ClientSampleId :
MW-5DL

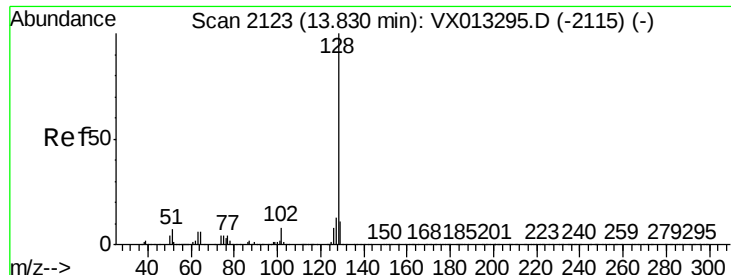
Tot Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.3	39.8
91	25.7	11.5	34.4



#89
n-Butylbenzene
Concen: 3.478 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013515.D
Acq: 21 Nov 2019 19:53

Tgt Ion	Ratio	Lower	Upper
91	100		
92	39.5	27.3	81.8
134	80.7	13.5	40.5





#95

Naphthalene

Concen: 2.574 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. -0.00 min

Lab File: VX013515.D

Acq: 21 Nov 2019 19:53

Instrument :

MSVOA_X

ClientSampleId :

MW-5DL

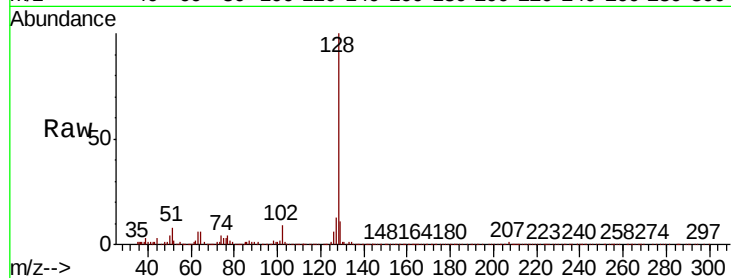
Tot Ion:128 Resp: 83534

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.2

129 11.4 8.5 12.7



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

