

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112219\
 Data File : VX013532.D
 Acq On : 22 Nov 2019 14:49
 Operator : JC/SP
 Sample : K5958-08DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FD-111919DL

Quant Time: Nov 22 15:35:47 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	684141	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1114323	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1005094	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	466531	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	407352	50.26	ug/l	0.00
Spiked Amount			Recovery	=	100.52%	
35) Dibromofluoromethane	5.49	113	334090	47.80	ug/l	0.00
Spiked Amount			Recovery	=	95.60%	
50) Toluene-d8	8.71	98	1340591	50.88	ug/l	0.00
Spiked Amount			Recovery	=	101.76%	
62) 4-Bromofluorobenzene	11.13	95	462343	48.62	ug/l	0.00
Spiked Amount			Recovery	=	97.24%	

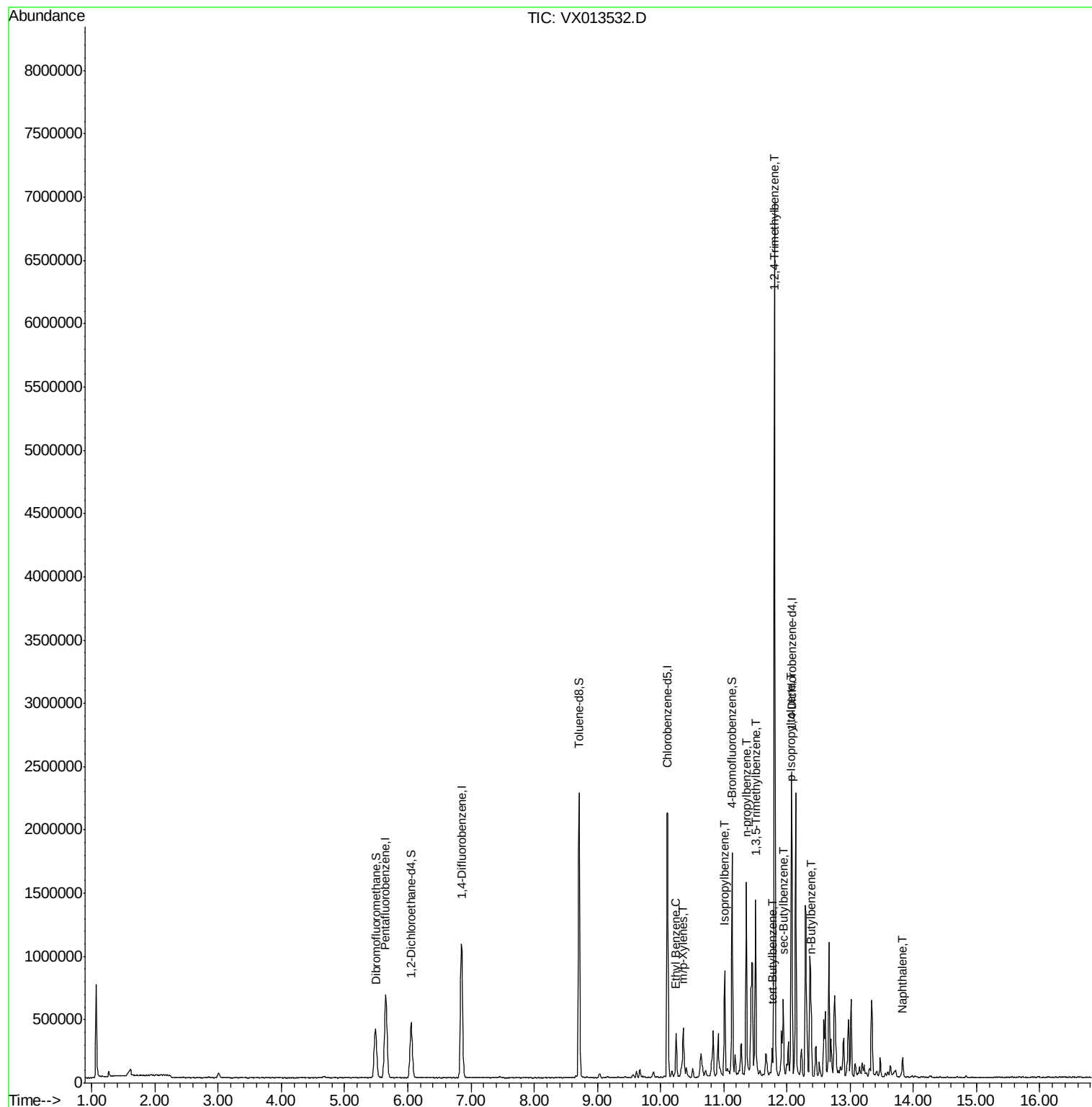
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
67) Ethyl Benzene	10.25	91	196085	5.583	ug/l	99
68) m/p-Xylenes	10.36	106	75834	5.710	ug/l	100
73) Isopropylbenzene	11.01	105	423272	13.684	ug/l	99
78) n-propylbenzene	11.35	91	921572	26.746	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	582807	22.621	ug/l	100
83) tert-Butylbenzene	11.76	119	52276	2.016	ug/l	86
84) 1,2,4-Trimethylbenzene	11.81	105	3117989	120.640	ug/l	98
85) sec-Butylbenzene	11.94	105	312276	10.476	ug/l	97
86) p-Isopropyltoluene	12.06	119	151457	5.518	ug/l	99
89) n-Butylbenzene	12.39	91	221107	9.232	ug/l #	59
95) Naphthalene	13.83	128	92627	2.881	ug/l	96

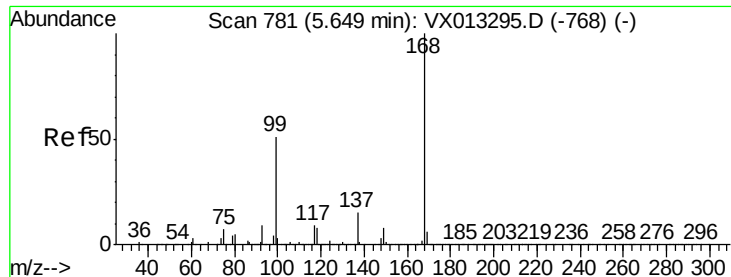
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX013532.D

Acq: 22 Nov 2019 14:49

Instrument :

MSVOA_X

ClientSampled :

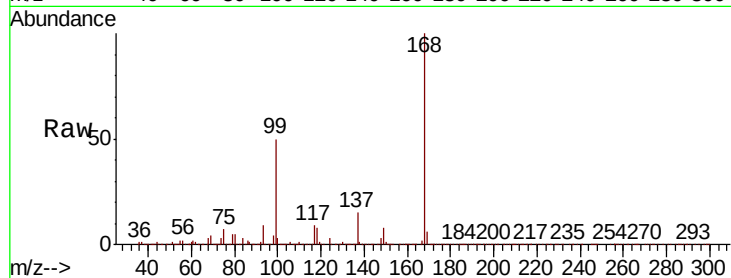
FD-111919DL

Tot Ion:168 Resp: 684141

Ion Ratio Lower Upper

168 100

99 50.2 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

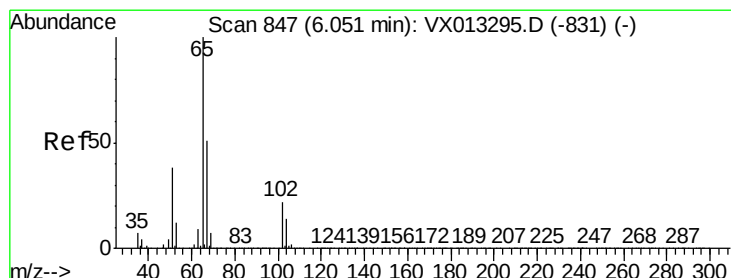
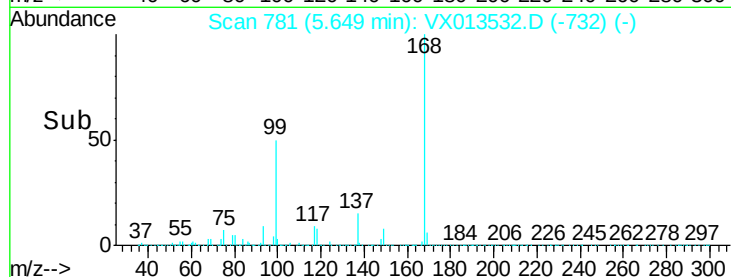
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 50.259 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013532.D

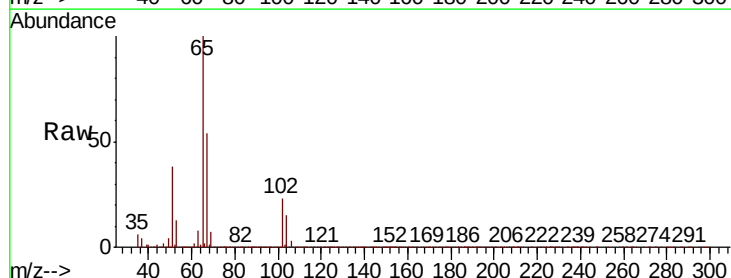
Acq: 22 Nov 2019 14:49

Tgt Ion: 65 Resp: 407352

Ion Ratio Lower Upper

65 100

67 52.9 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

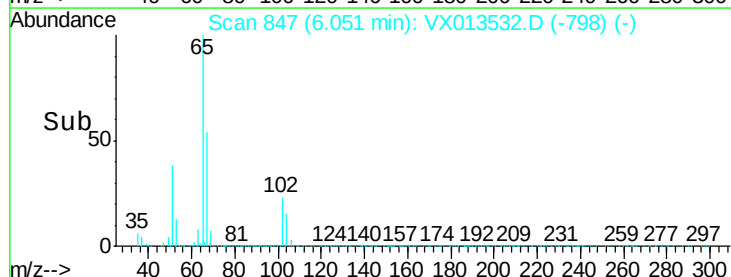
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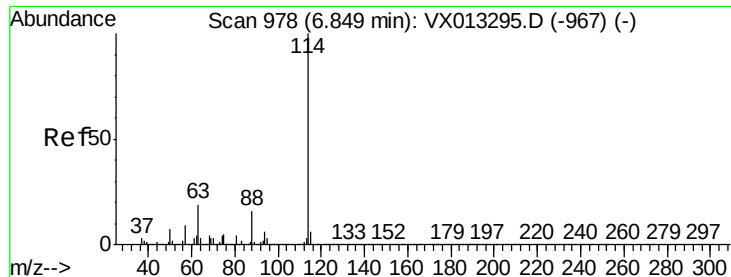
100000

50000

0

Time--> 5.90 6.00 6.10 6.20

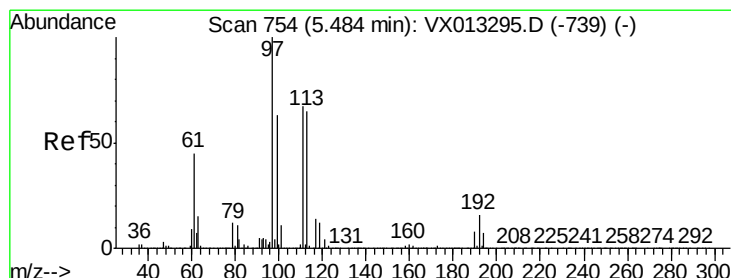
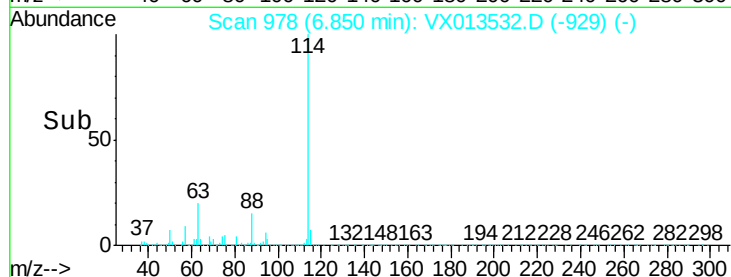
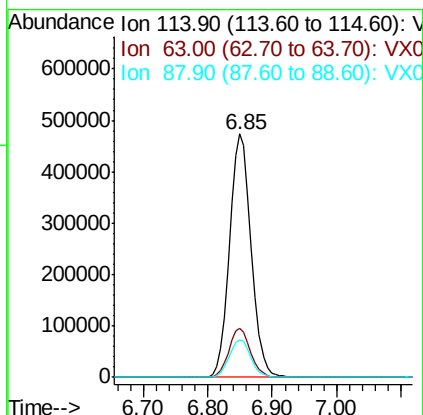
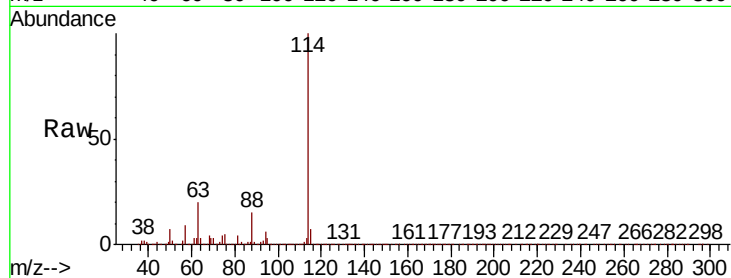




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 978
Delta R.T. 0.00 min
Lab File: VX013532.D
Acq: 22 Nov 2019 14:49

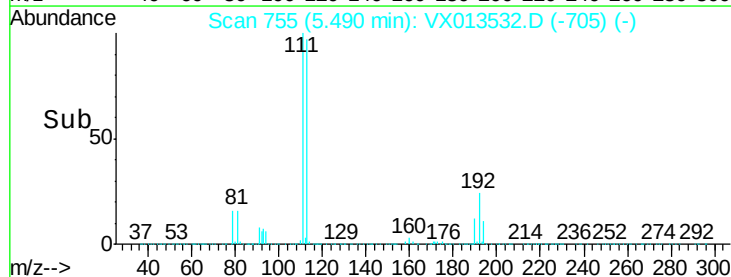
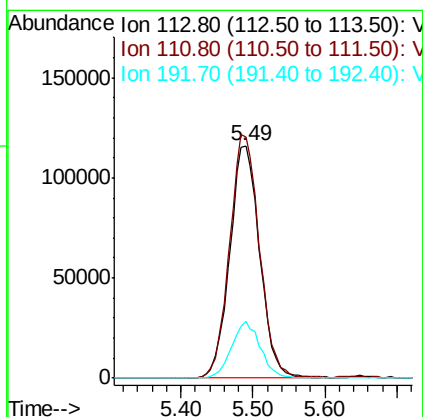
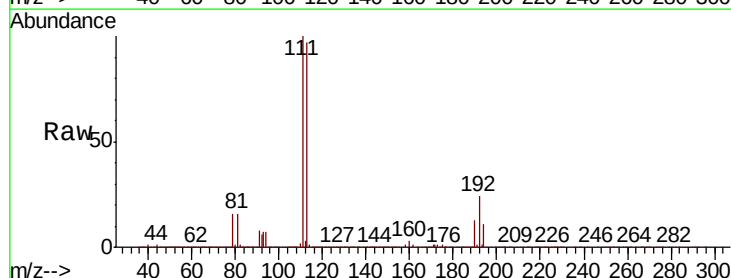
Instrument :
MSVOA_X
ClientSampleID :
FD-111919DL

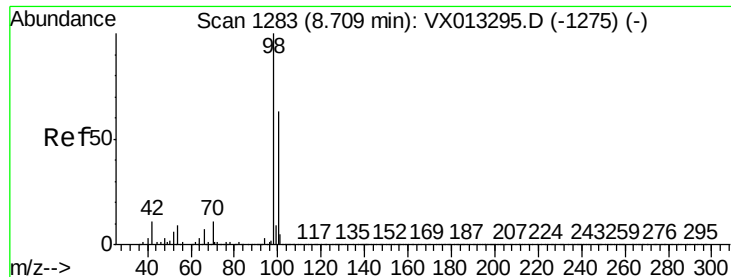
Tot Ion:114 Resp: 1114323
Ion Ratio Lower Upper
114 100
63 20.0 0.0 38.4
88 15.4 0.0 32.2



#35
Dibromofluoromethane
Concen: 47.801 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.01 min
Lab File: VX013532.D
Acq: 22 Nov 2019 14:49

Tgt Ion:113 Resp: 334090
Ion Ratio Lower Upper
113 100
111 105.0 81.9 122.9
192 23.7 19.1 28.7





#50

Toluene-d8

Concen: 50.879 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013532.D

Acq: 22 Nov 2019 14:49

Instrument :

MSVOA_X

ClientSampleID :

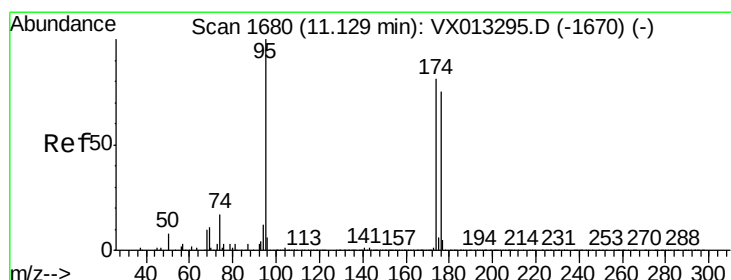
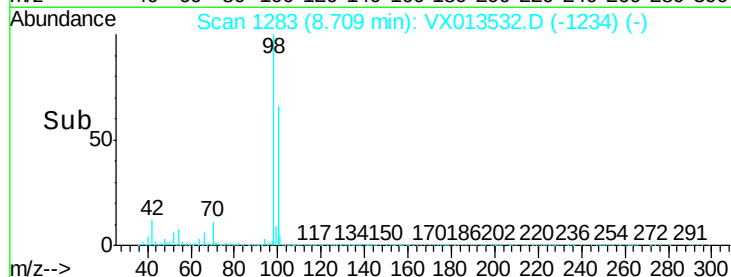
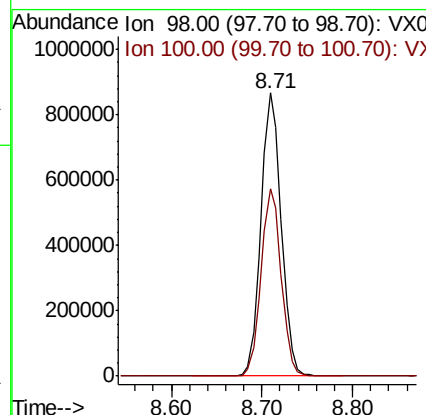
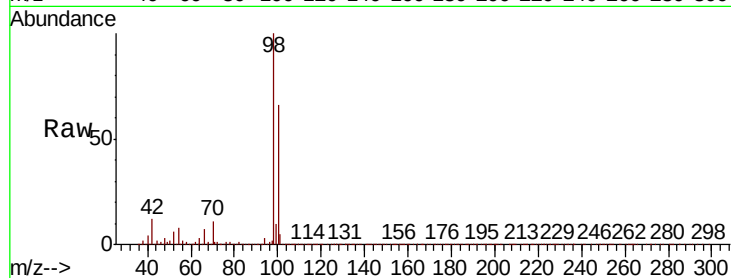
FD-111919DL

Tot Ion: 98 Resp: 1340591

Ion Ratio Lower Upper

98 100

100 65.6 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 48.620 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX013532.D

Acq: 22 Nov 2019 14:49

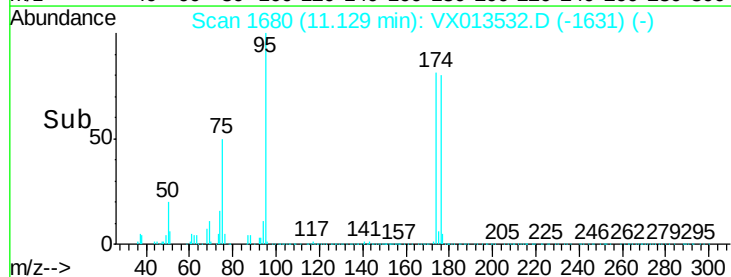
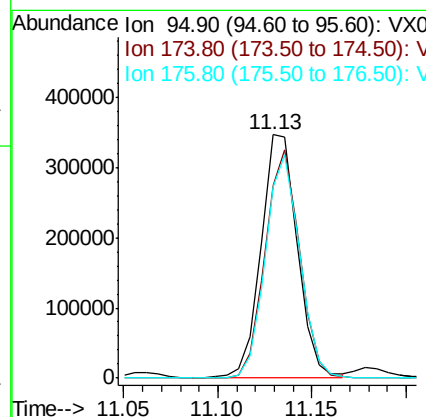
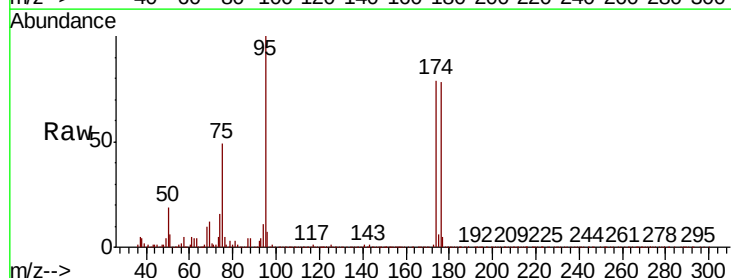
Tgt Ion: 95 Resp: 462343

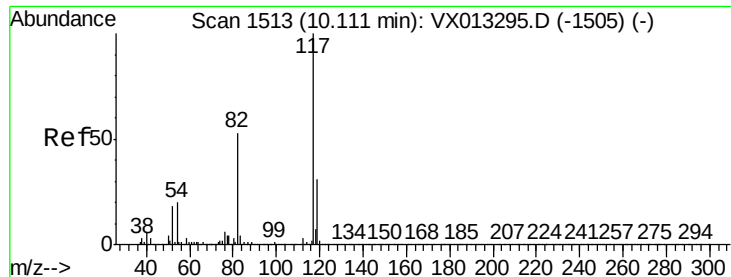
Ion Ratio Lower Upper

95 100

174 89.4 0.0 179.8

176 87.1 0.0 173.0

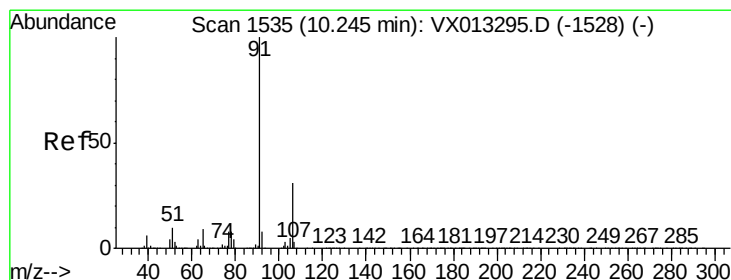
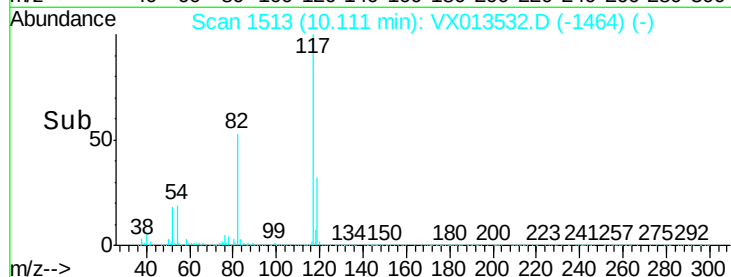
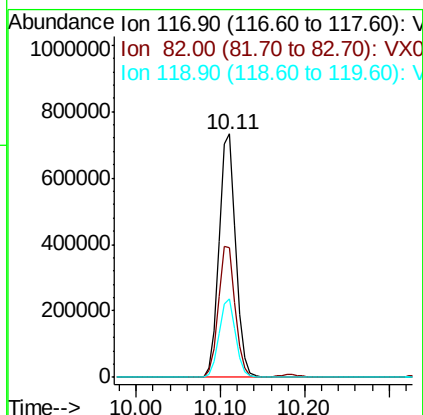
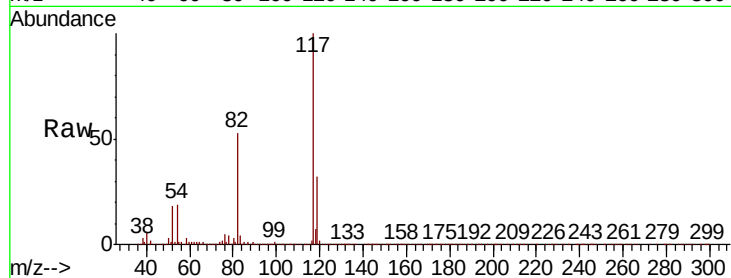




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013532.D
Acq: 22 Nov 2019 14:49

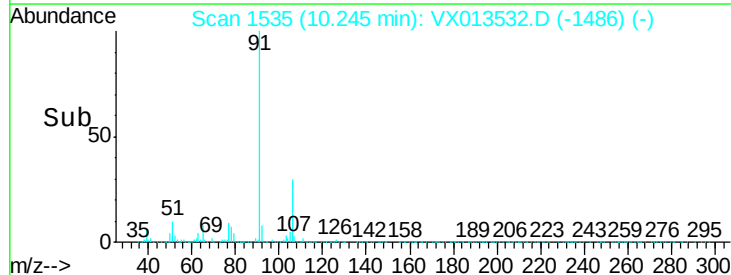
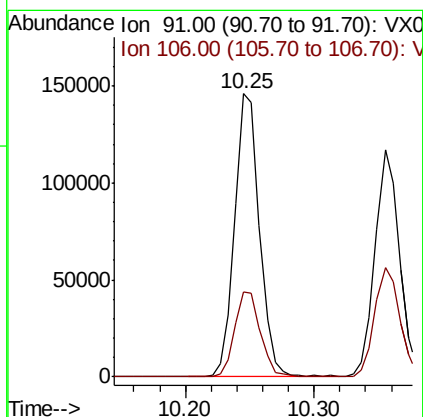
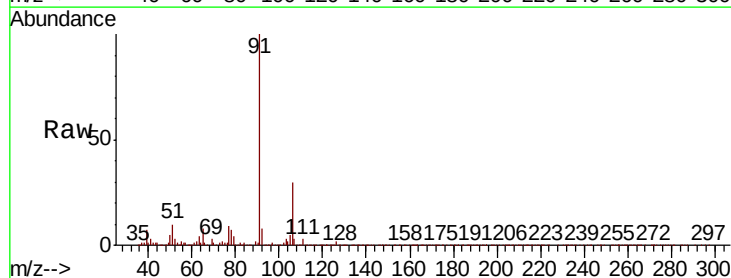
Instrument :
MSVOA_X
ClientSampleID :
FD-111919DL

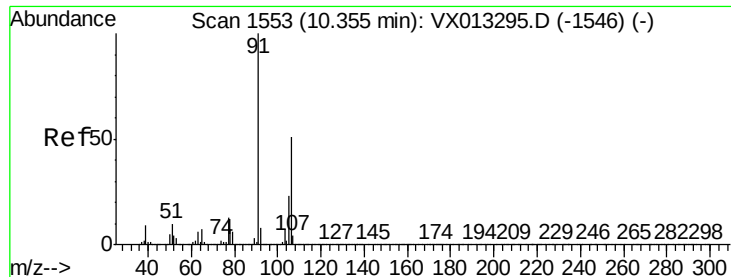
Tot Ion:117 Resp: 1005094
Ion Ratio Lower Upper
117 100
82 53.2 42.6 64.0
119 32.2 24.8 37.2



#67
Ethyl Benzene
Concen: 5.583 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX013532.D
Acq: 22 Nov 2019 14:49

Tgt Ion: 91 Resp: 196085
Ion Ratio Lower Upper
91 100
106 30.1 24.6 36.8





#68

m/p-Xvlenes

Concen: 5.710 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX013532.D

Acq: 22 Nov 2019 14:49

Instrument :

MSVOA_X

ClientSampled :

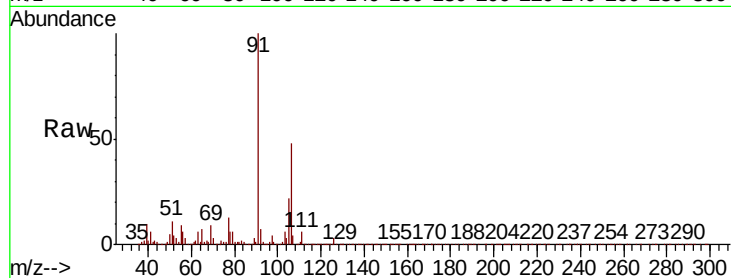
FD-111919DL

Tot Ion:106 Resp: 75834

Ion Ratio Lower Upper

106 100

91 199.7 159.3 238.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0

150000

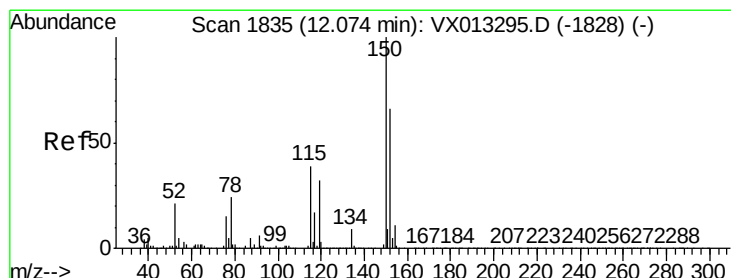
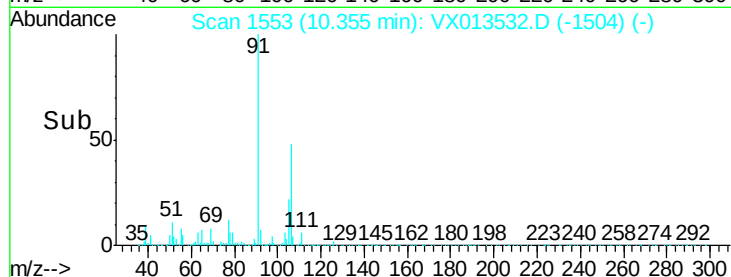
100000

50000

0

10.30 10.40

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013532.D

Acq: 22 Nov 2019 14:49

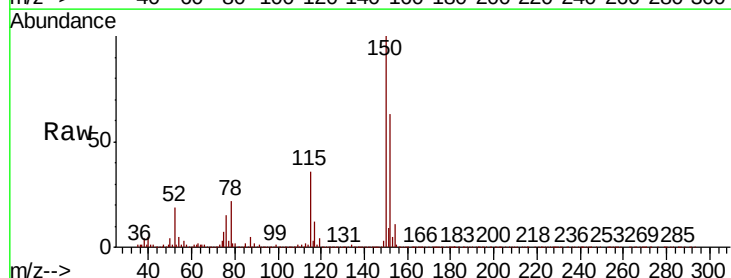
Tgt Ion:152 Resp: 466531

Ion Ratio Lower Upper

152 100

115 57.9 39.5 118.3

150 157.4 0.0 344.4



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

800000

600000

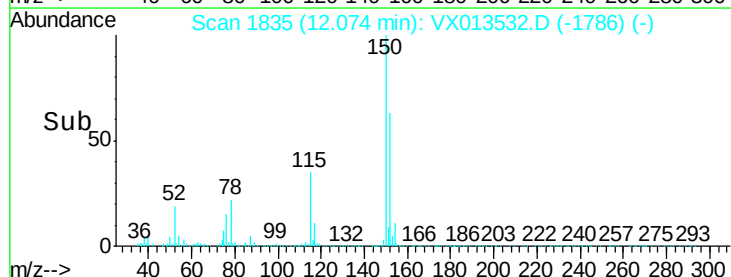
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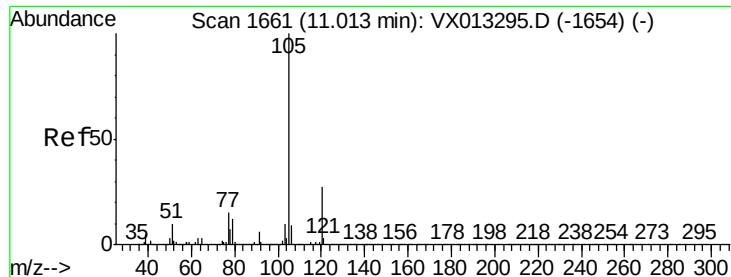
200000

0

12.00 12.05 12.10 12.15

Time-->





#73

Isopropylbenzene

Concen: 13.684 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013532.D

Acq: 22 Nov 2019 14:49

Instrument :

MSVOA_X

ClientSampleId :

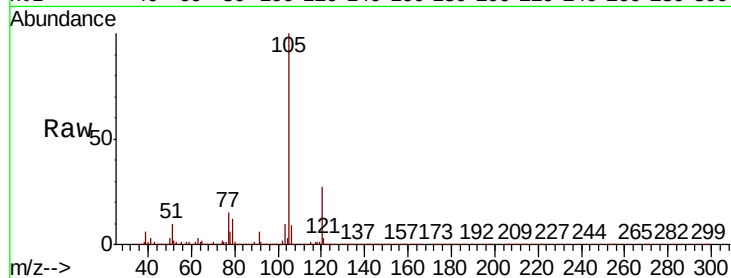
FD-111919DL

Tot Ion:105 Resp: 423272

Ion Ratio Lower Upper

105 100

120 26.7 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

400000

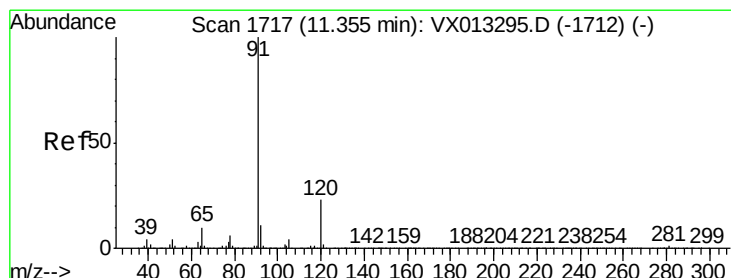
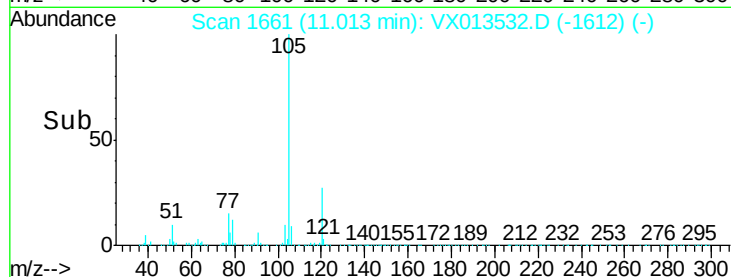
300000

200000

100000

0

Time-->



#78

n-propylbenzene

Concen: 26.746 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013532.D

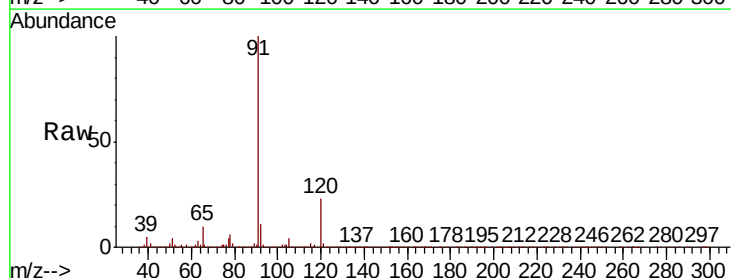
Acq: 22 Nov 2019 14:49

Tgt Ion: 91 Resp: 921572

Ion Ratio Lower Upper

91 100

120 23.2 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

800000

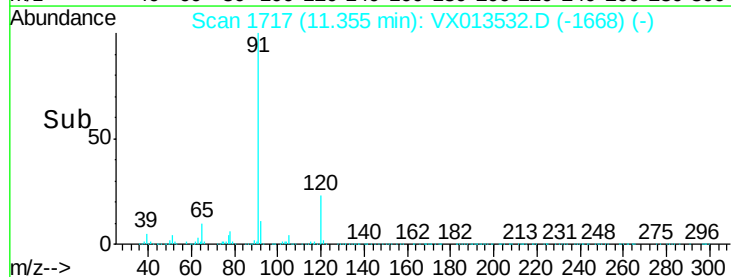
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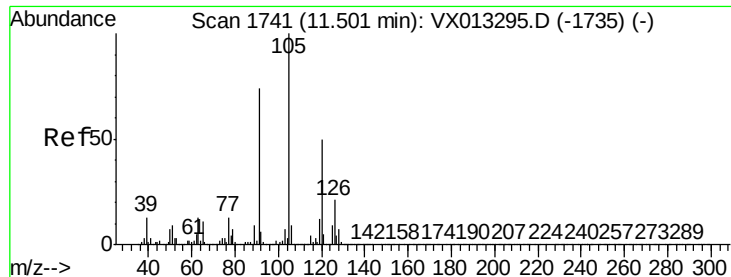
400000

200000

0

Time-->

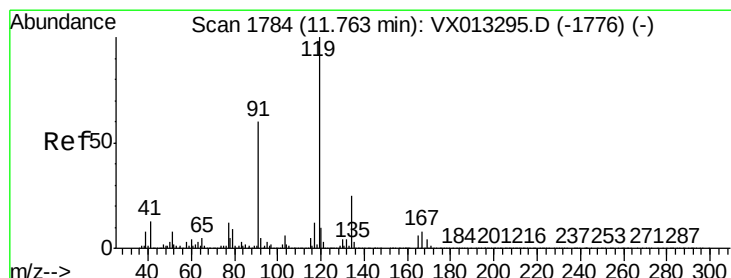
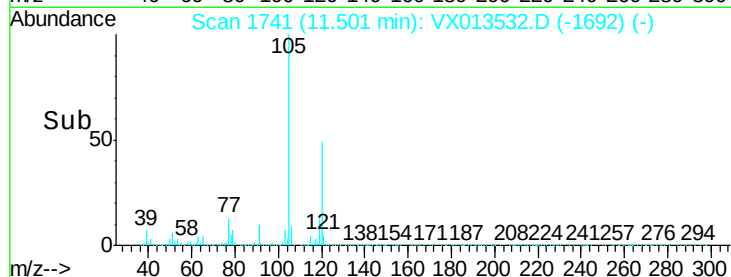
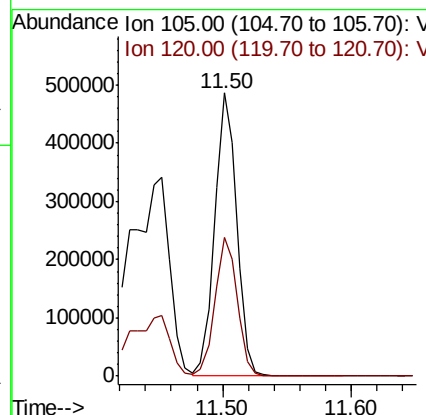
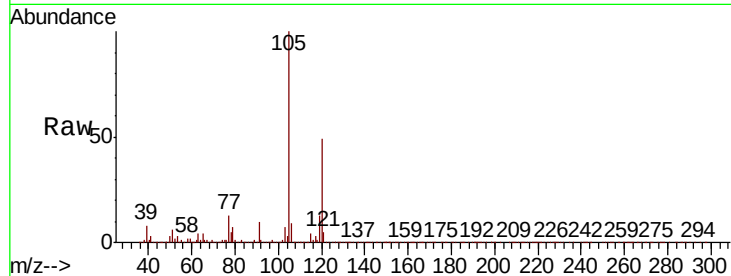




#80
 1,3,5-Trimethylbenzene
 Concen: 22.621 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX013532.D
 Acq: 22 Nov 2019 14:49

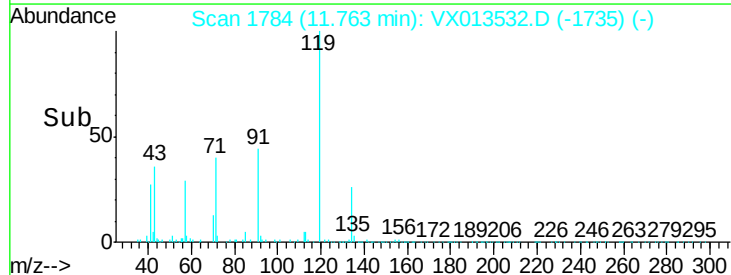
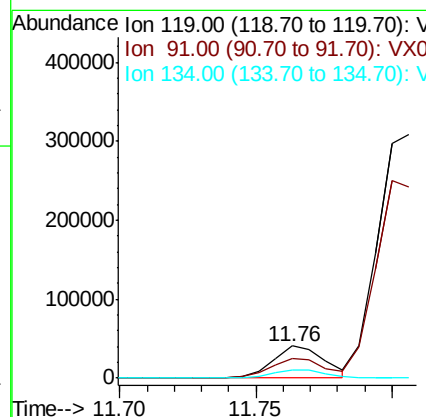
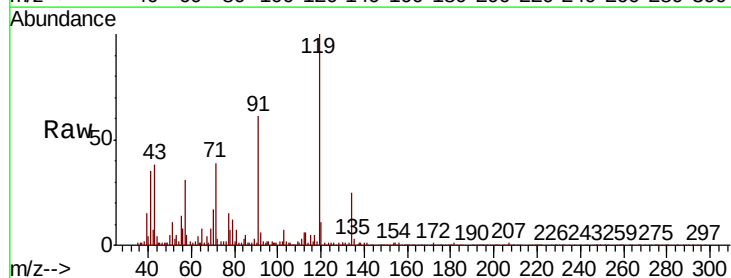
Instrument :
 MSVOA_X
 ClientSampled :
 FD-111919DL

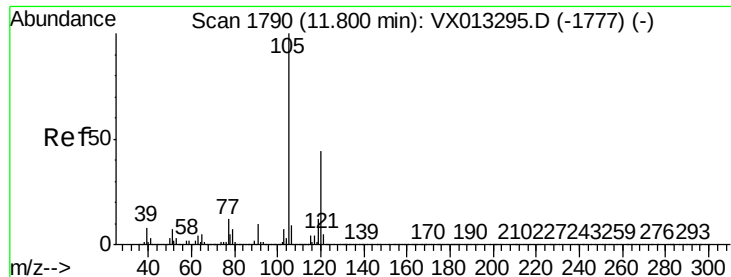
Tot Ion:105 Resp: 582807
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.9 74.8



#83
 tert-Butylbenzene
 Concen: 2.016 ug/l
 RT: 11.76 min Scan# 1784
 Delta R.T. 0.00 min
 Lab File: VX013532.D
 Acq: 22 Nov 2019 14:49

Tgt Ion:119 Resp: 52276
 Ion Ratio Lower Upper
 119 100
 91 65.5 26.9 80.7
 134 27.2 11.7 35.1





#84

1,2,4-Trimethylbenzene

Concen: 120.640 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. 0.01 min

Lab File: VX013532.D

Acq: 22 Nov 2019 14:49

Instrument :

MSVOA_X

ClientSampled :

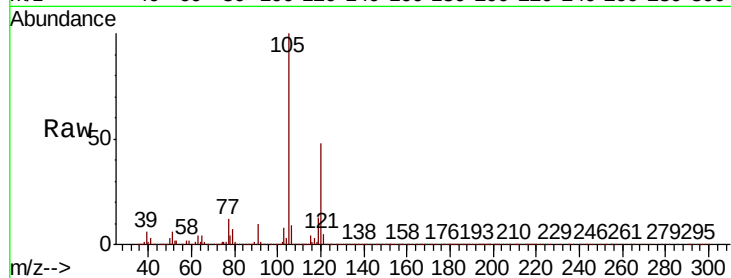
FD-111919DL

Tot Ion:105 Resp: 3117989

Ion Ratio Lower Upper

105 100

120 46.8 22.7 68.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

2500000

2000000

1500000

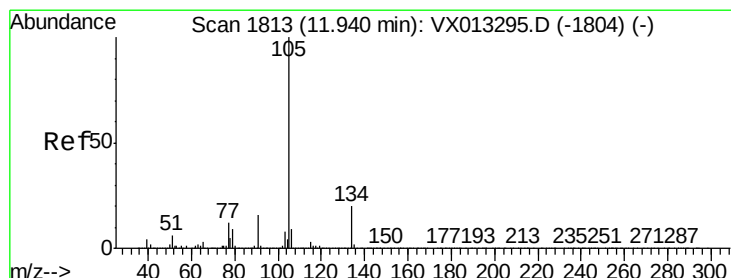
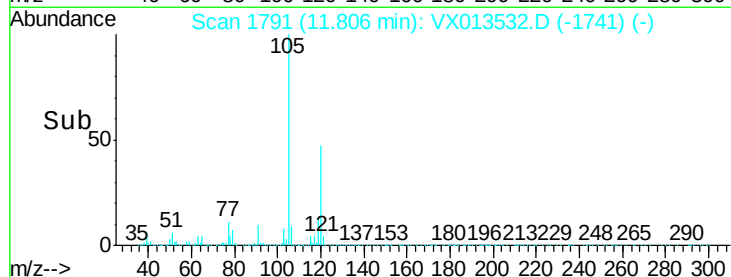
1000000

500000

0

11.70 11.80 11.90

Time-->



#85

sec-Butylbenzene

Concen: 10.476 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX013532.D

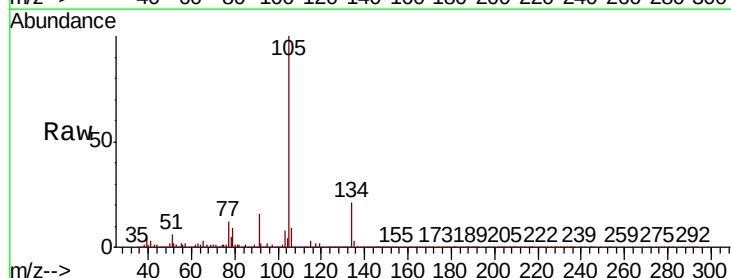
Acq: 22 Nov 2019 14:49

Tgt Ion:105 Resp: 312276

Ion Ratio Lower Upper

105 100

134 19.4 10.3 30.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

300000

250000

200000

150000

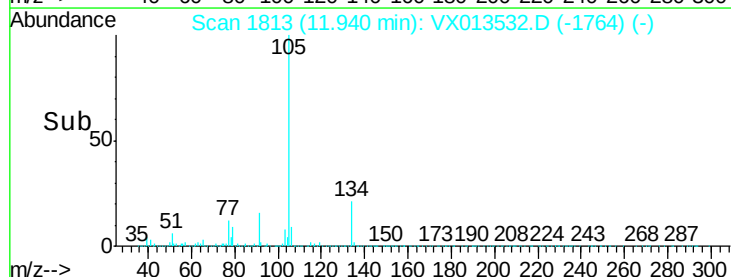
100000

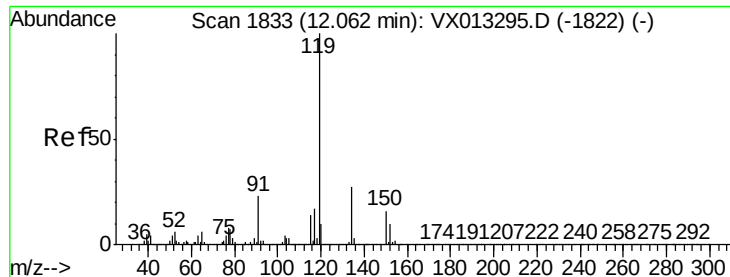
50000

0

11.90 11.95 12.00

Time-->





#86

p-Isopropyltoluene

Concen: 5.518 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX013532.D

Acq: 22 Nov 2019 14:49

Instrument :

MSVOA_X

ClientSampleID :

FD-111919DL

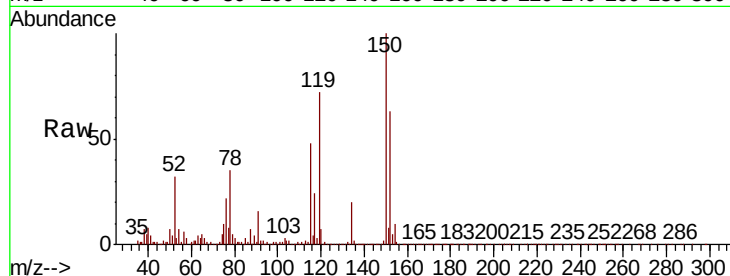
Tot Ion:119 Resp: 151457

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.8

91 22.5 11.5 34.4

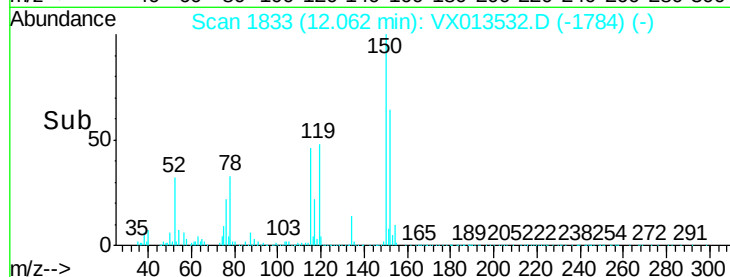


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

Time-->



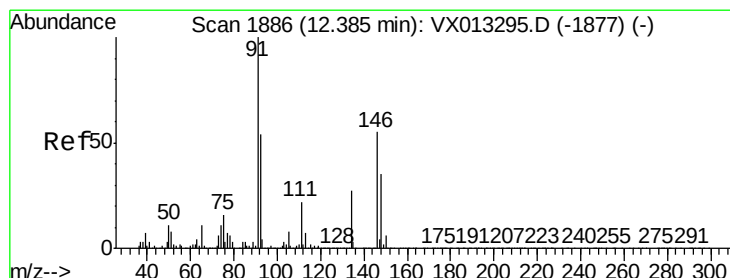
Abundance

Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

Time-->



#89

n-Butylbenzene

Concen: 9.232 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX013532.D

Acq: 22 Nov 2019 14:49

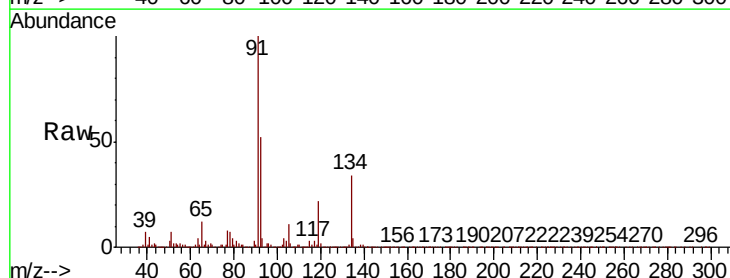
Tgt Ion: 91 Resp: 221107

Ion Ratio Lower Upper

91 100

92 42.0 27.3 81.8

134 72.3 13.5 40.5#

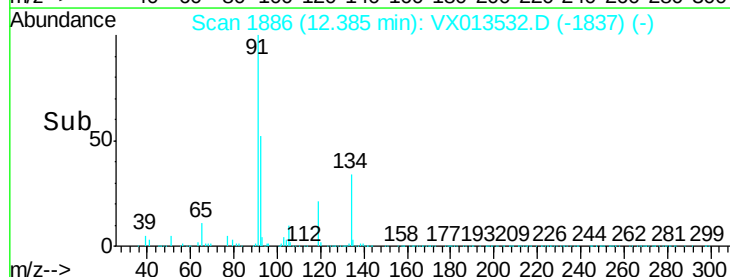


Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V

Time-->



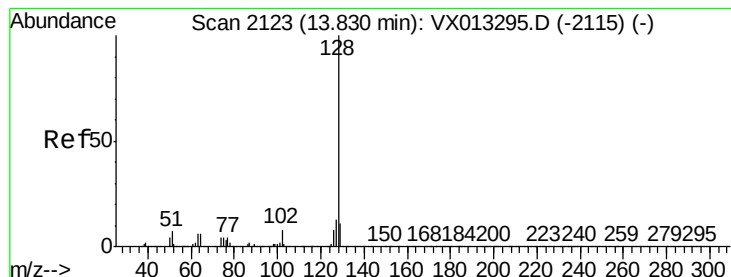
Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V

Time-->



#95
Naphthalene
Concen: 2.881 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013532.D
Acq: 22 Nov 2019 14:49

Instrument :
MSVOA_X
ClientSampleId :
FD-111919DL

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.2	15.2
129	12.5	8.5	12.7

