

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081919\
 Data File : VX011637.D
 Acq On : 19 Aug 2019 17:16
 Operator : JC/SP
 Sample : K4368-06DL 40X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0139DL

Quant Time: Aug 20 11:26:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	449870	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	610292	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	539614	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	268572	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	207493	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	
35) Dibromofluoromethane	5.49	113	180076	45.11	ug/l	0.00
Spiked Amount			Recovery	=	90.22%	
50) Toluene-d8	8.71	98	690553	55.52	ug/l	0.00
Spiked Amount			Recovery	=	111.04%	
62) 4-Bromofluorobenzene	11.13	95	253697	48.33	ug/l	0.00
Spiked Amount			Recovery	=	96.66%	

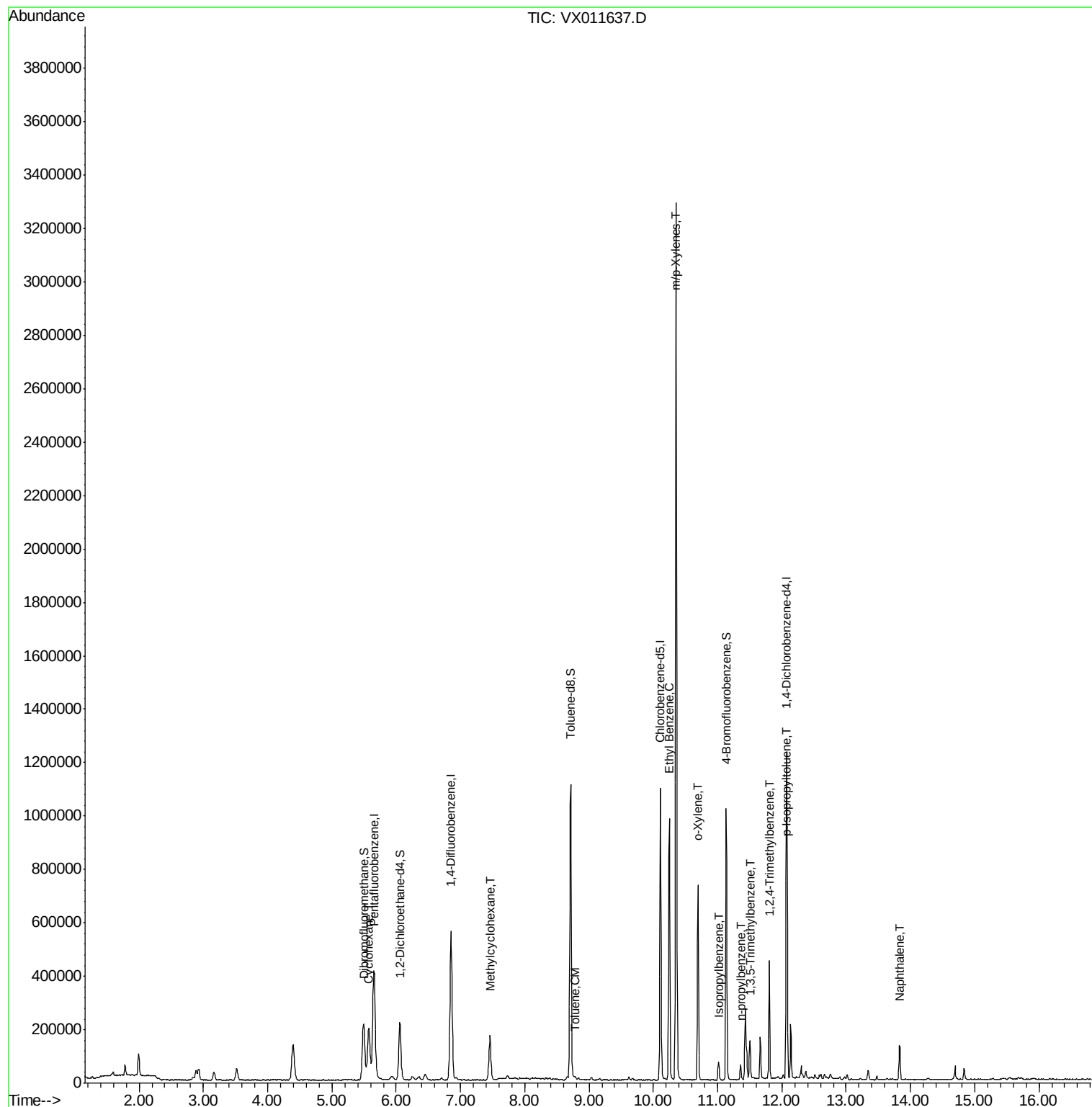
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.57	56	136000	21.985	ug/l	96
39) Methylcyclohexane	7.46	83	75998	11.794	ug/l	99
52) Toluene	8.78	92	3908	0.378	ug/l	99
67) Ethyl Benzene	10.25	91	571650	29.761	ug/l	99
68) m/p-Xylenes	10.35	106	802827	108.886	ug/l	98
69) o-Xylene	10.69	106	162390	22.485	ug/l	100
73) Isopropylbenzene	11.02	105	37135	2.131	ug/l	98
78) n-propylbenzene	11.36	91	35430	1.885	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	65297	4.460	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	189682	12.906	ug/l	100
86) p-Isopropyltoluene	12.06	119	4363	0.276	ug/l	79
95) Naphthalene	13.83	128	85099	4.516	ug/l	99

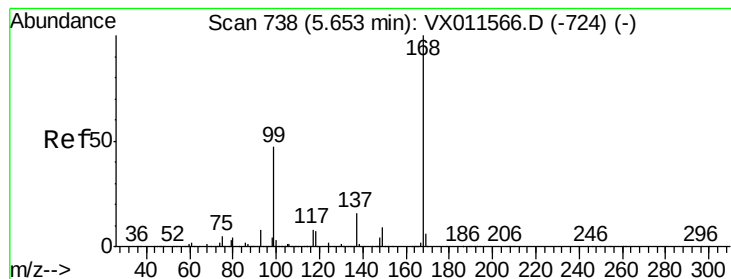
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Aug 16 04:15:26 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.01 min

Lab File: VX011637.D

Acq: 19 Aug 2019 17:16

Instrument :

MSVOA_X

ClientSampleId :

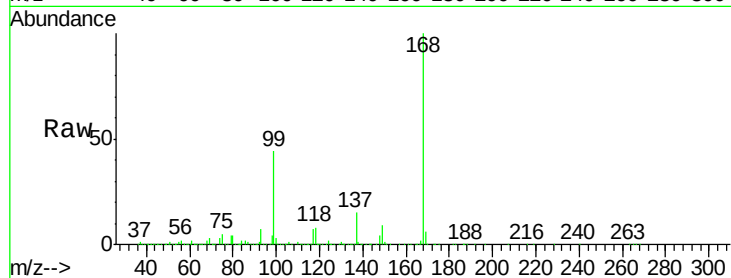
PH2-0139DL

Tot Ion:168 Resp: 449870

Ion Ratio Lower Upper

168 100

99 44.3 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

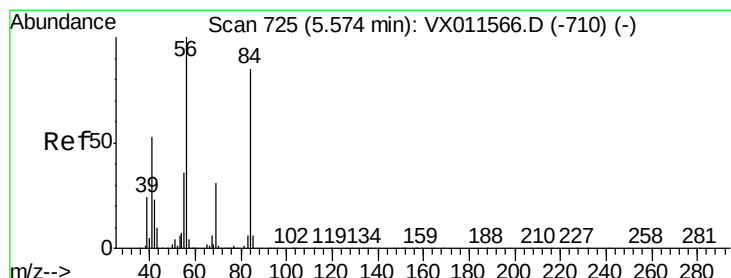
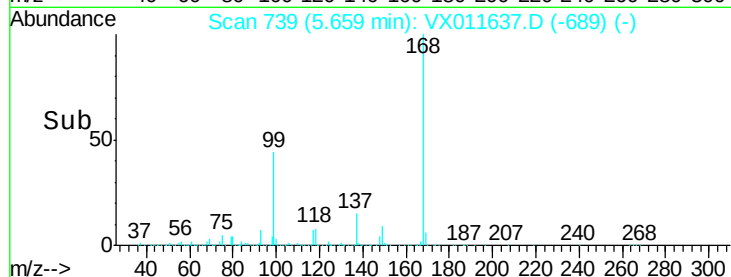
150000

100000

50000

0

Time-->



#31

Cyclohexane

Concen: 21.985 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX011637.D

Acq: 19 Aug 2019 17:16

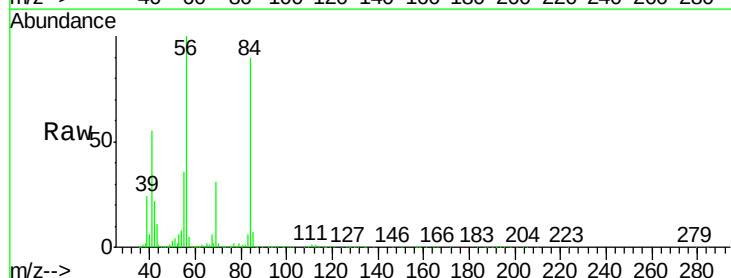
Tgt Ion: 56 Resp: 136000

Ion Ratio Lower Upper

56 100

69 31.0 24.8 37.2

84 89.7 67.9 101.9



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

60000

50000

40000

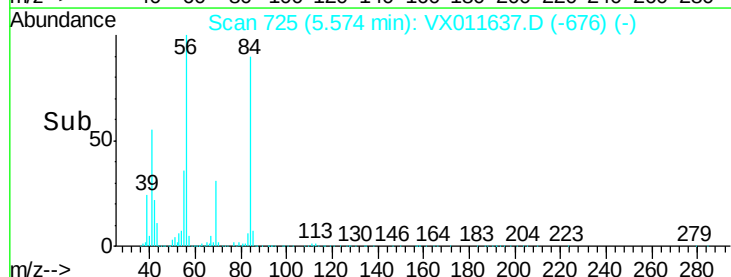
30000

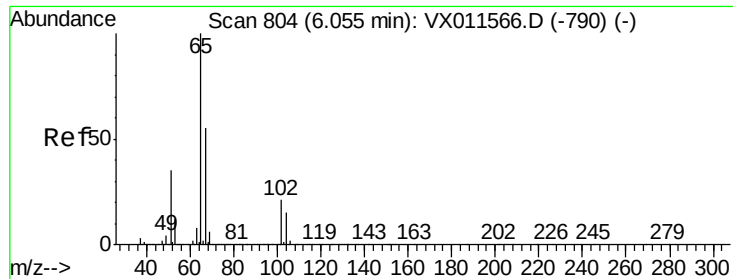
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10000

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Time-->

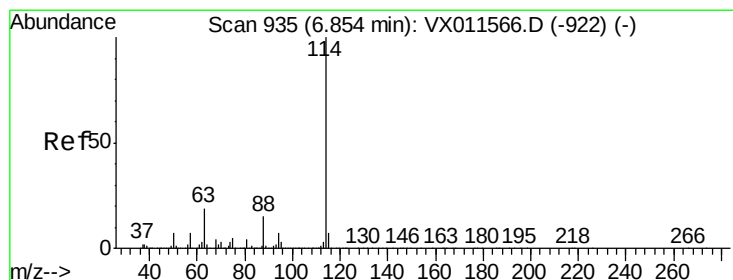
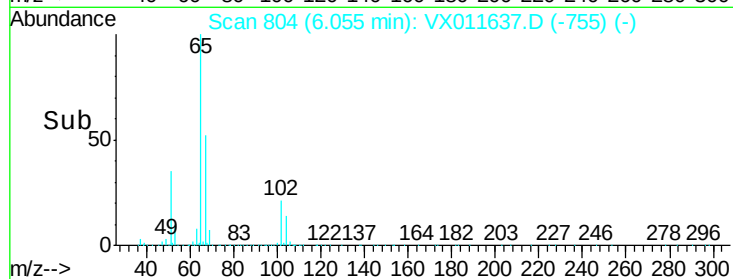
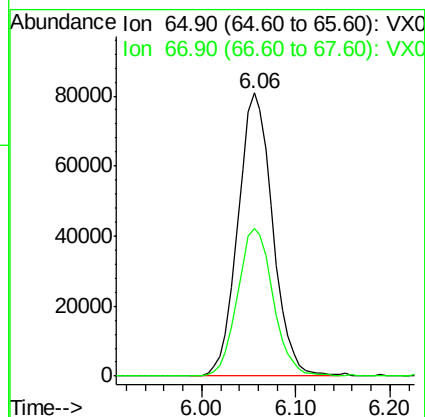
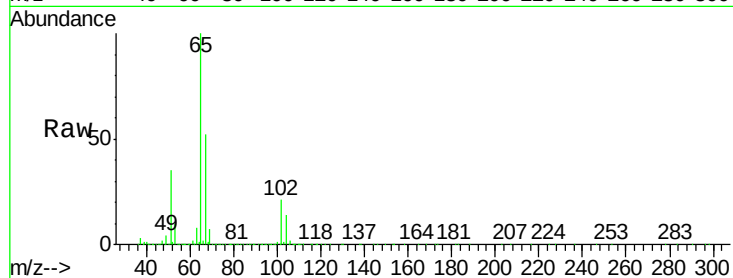




#33
 1,2-Dichloroethane-d4
 Concen: 49.735 ug/l
 RT: 6.06 min Scan# 804
 Delta R.T. 0.00 min
 Lab File: VX011637.D
 Acq: 19 Aug 2019 17:16

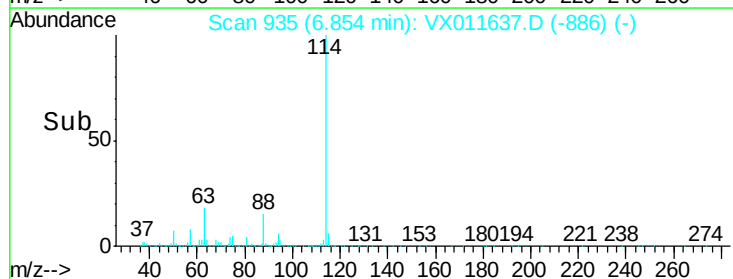
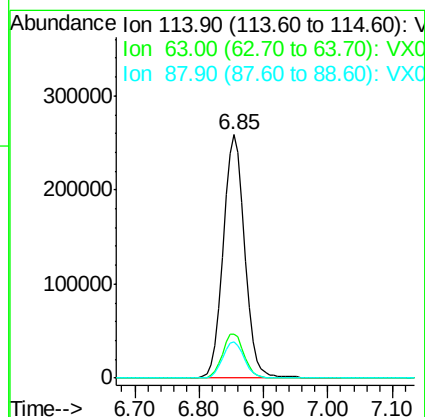
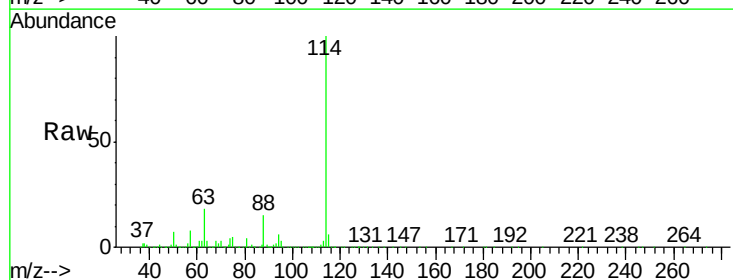
Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0139DL

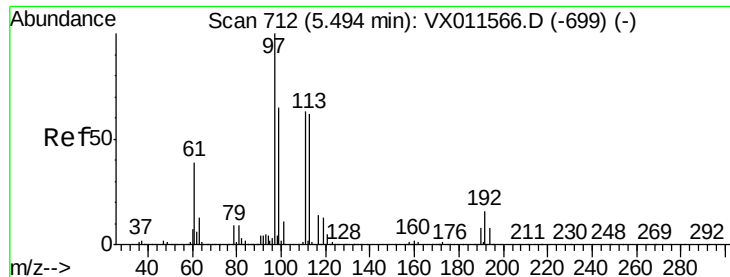
Tot Ion: 65 Resp: 207493
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 107.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011637.D
 Acq: 19 Aug 2019 17:16

Tgt Ion: 114 Resp: 610292
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 37.8
 88 14.8 0.0 30.2





#35

Dibromofluoromethane

Concen: 45.113 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011637.D

Acq: 19 Aug 2019 17:16

Instrument :

MSVOA_X

ClientSampled :

PH2-0139DL

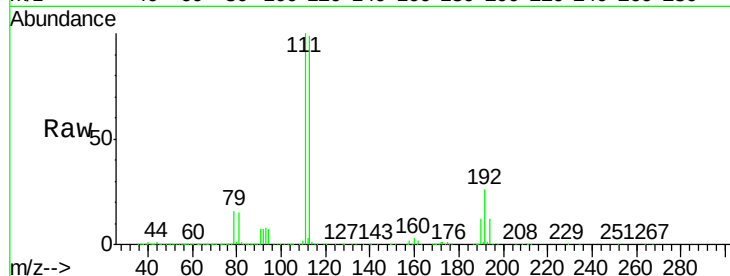
Tot Ion:113 Resp: 180076

Ion Ratio Lower Upper

113 100

111 101.1 81.1 121.7

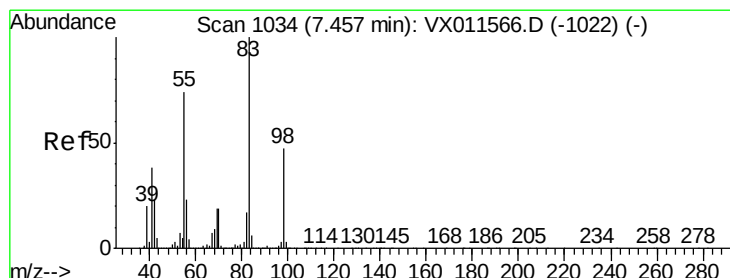
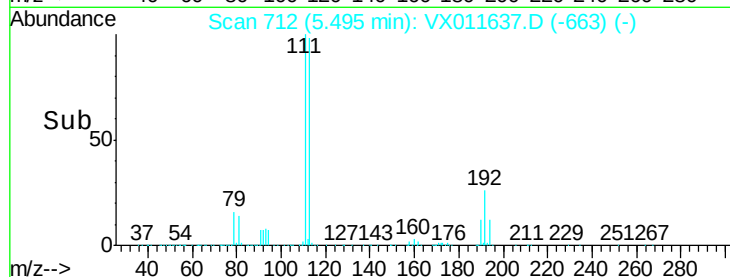
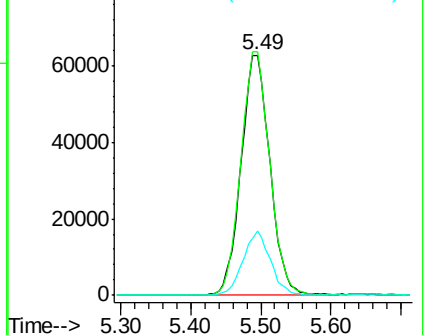
192 25.5 20.8 31.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#39

Methylcyclohexane

Concen: 11.794 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. 0.00 min

Lab File: VX011637.D

Acq: 19 Aug 2019 17:16

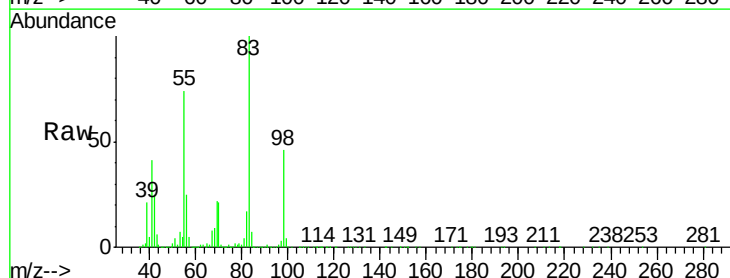
Tgt Ion: 83 Resp: 75998

Ion Ratio Lower Upper

83 100

55 73.4 58.8 88.2

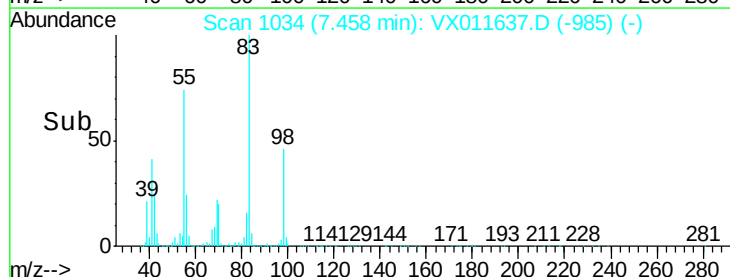
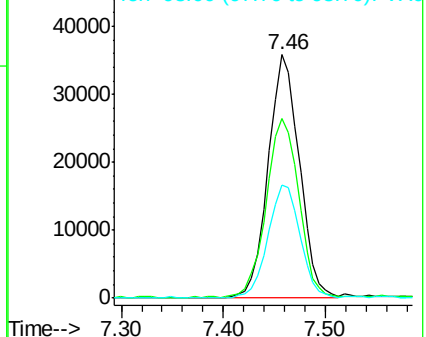
98 46.2 37.8 56.6

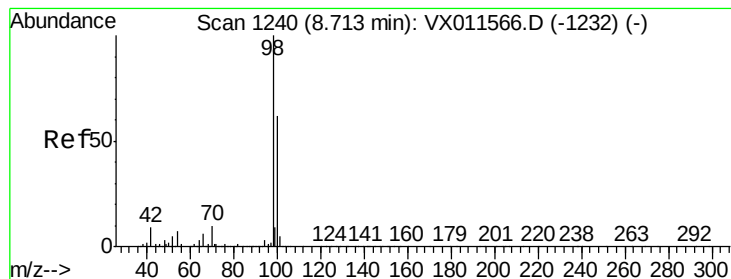


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#50

Toluene-d8

Concen: 55.521 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011637.D

Acq: 19 Aug 2019 17:16

Instrument :

MSVOA_X

ClientSampleId :

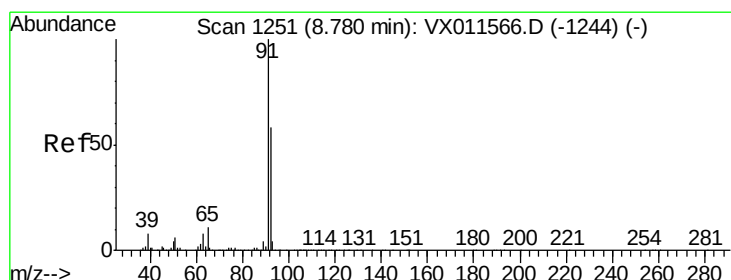
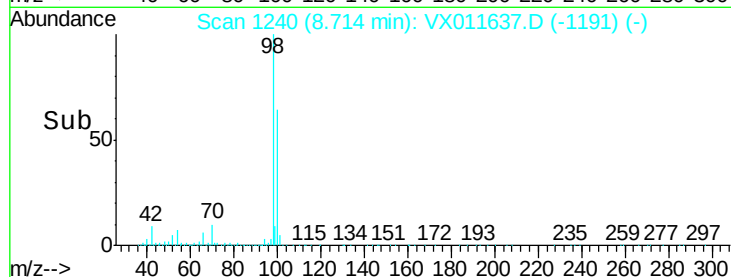
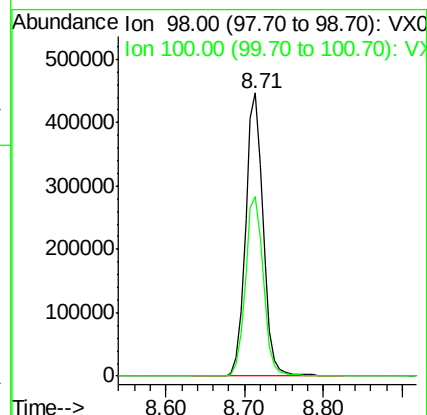
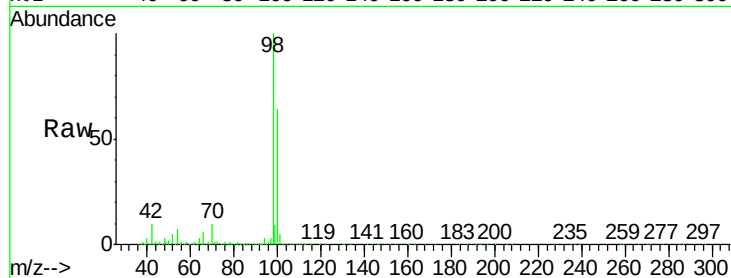
PH2-0139DL

Tot Ion: 98 Resp: 690553

Ion Ratio Lower Upper

98 100

100 65.1 52.4 78.6



#52

Toluene

Concen: 0.378 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011637.D

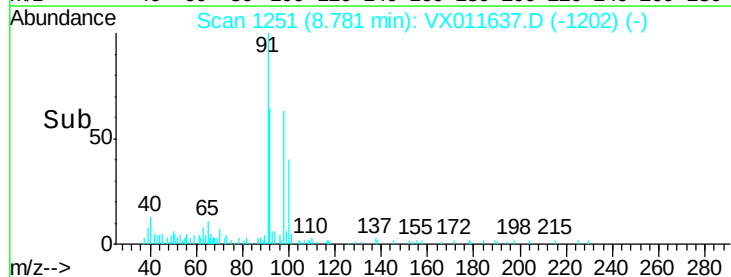
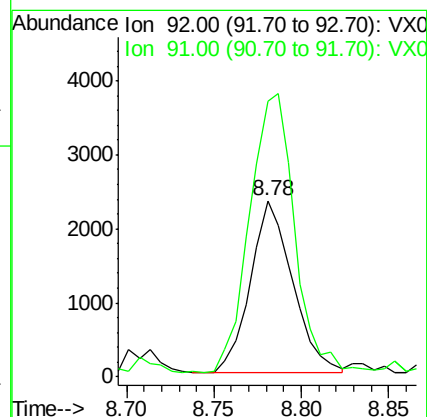
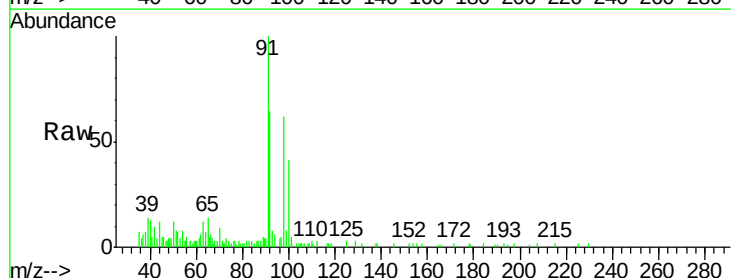
Acq: 19 Aug 2019 17:16

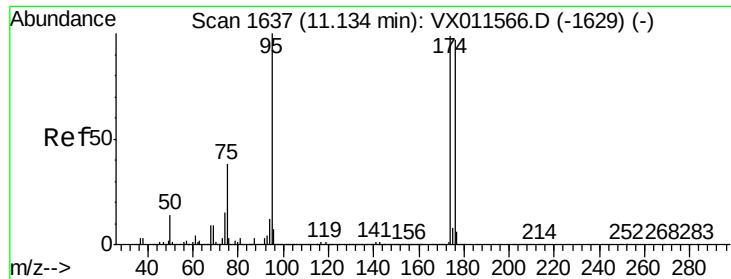
Tgt Ion: 92 Resp: 3908

Ion Ratio Lower Upper

92 100

91 171.5 138.0 207.0





#62

4-Bromofluorobenzene

Concen: 48.326 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011637.D

Acq: 19 Aug 2019 17:16

Instrument :

MSVOA_X

ClientSampled :

PH2-0139DL

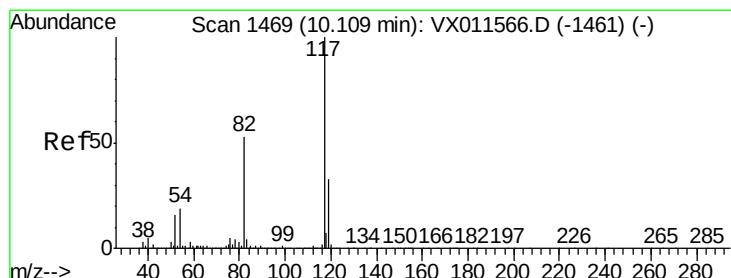
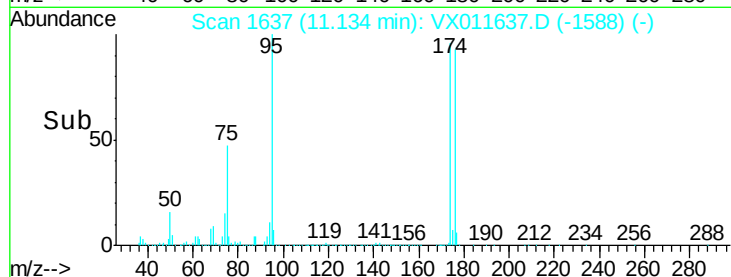
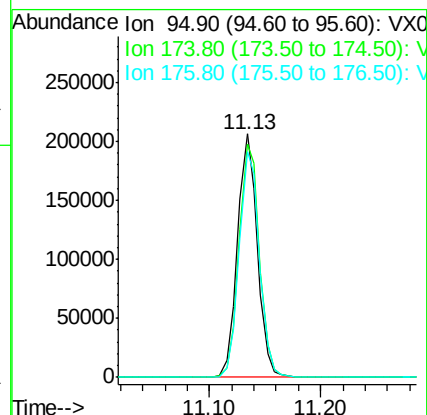
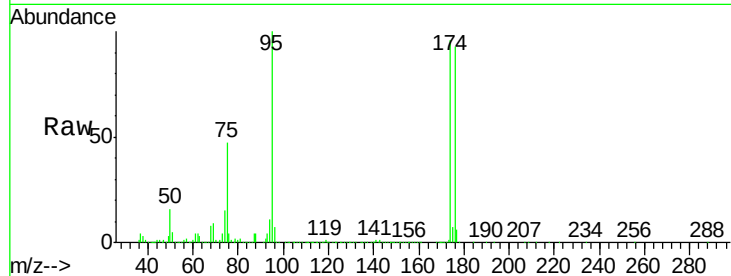
Tot Ion: 95 Resp: 253697

Ion Ratio Lower Upper

95 100

174 99.0 0.0 200.6

176 95.2 0.0 196.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX011637.D

Acq: 19 Aug 2019 17:16

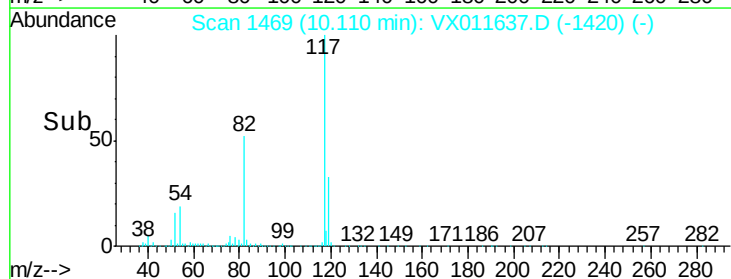
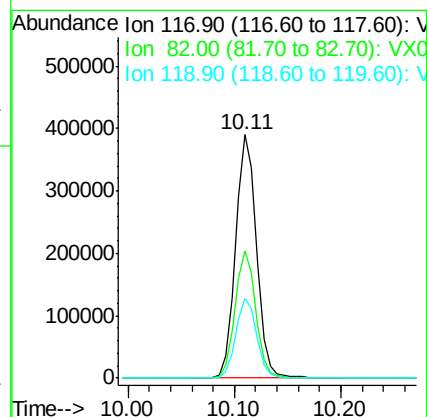
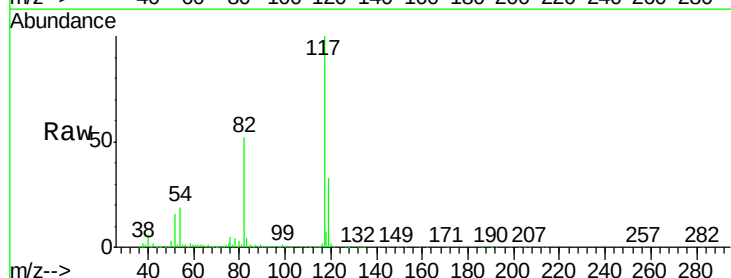
Tgt Ion: 117 Resp: 539614

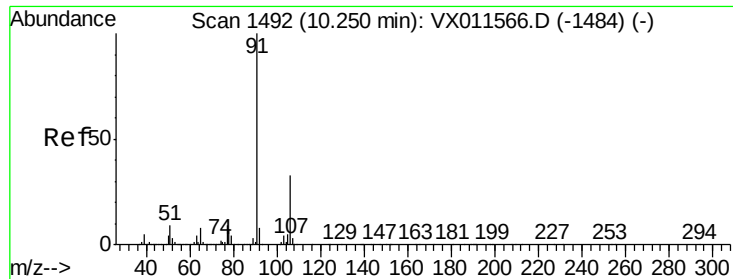
Ion Ratio Lower Upper

117 100

82 52.1 42.0 63.0

119 32.5 26.5 39.7





#67

Ethyl Benzene

Concen: 29.761 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011637.D

Acq: 19 Aug 2019 17:16

Instrument :

MSVOA_X

ClientSampleId :

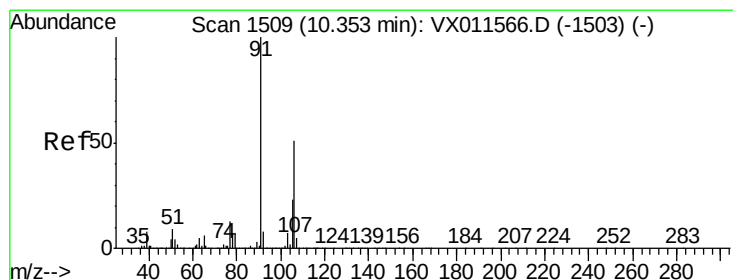
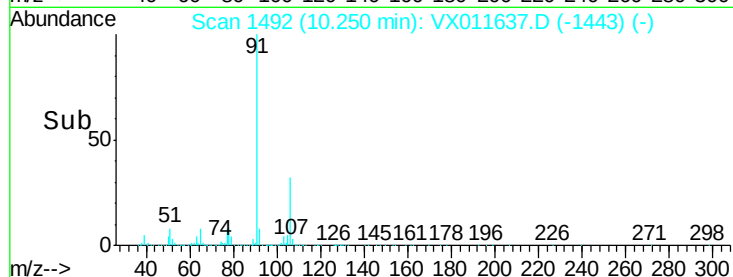
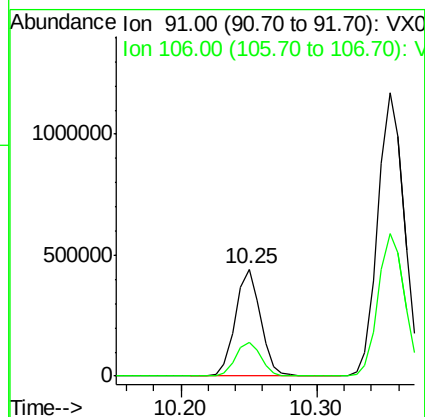
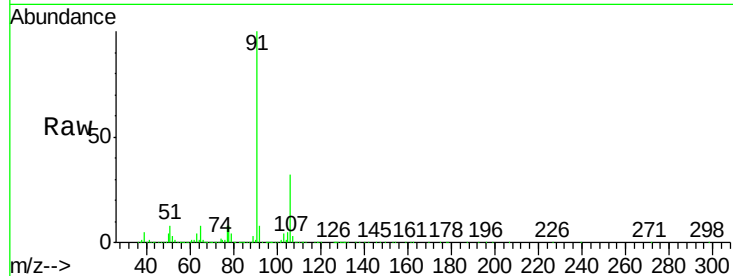
PH2-0139DL

Tot Ion: 91 Resp: 571650

Ion Ratio Lower Upper

91 100

106 31.8 26.0 39.0



#68

m/p-Xylenes

Concen: 108.886 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. 0.00 min

Lab File: VX011637.D

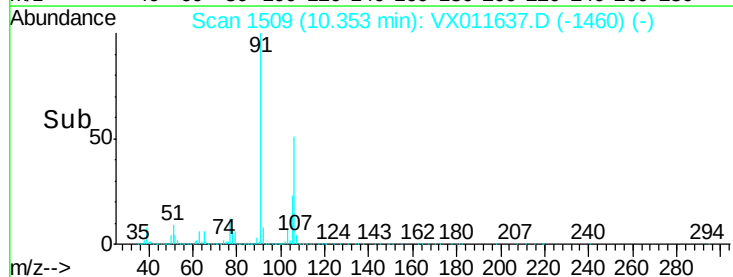
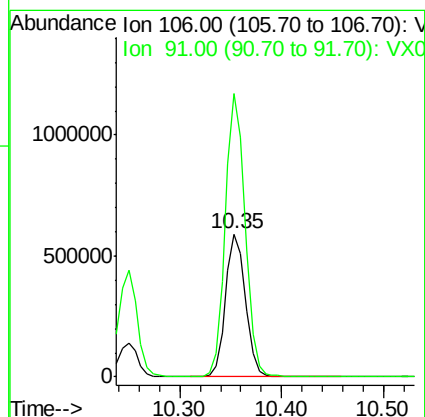
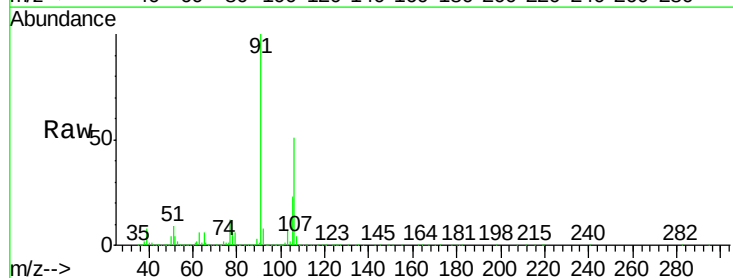
Acq: 19 Aug 2019 17:16

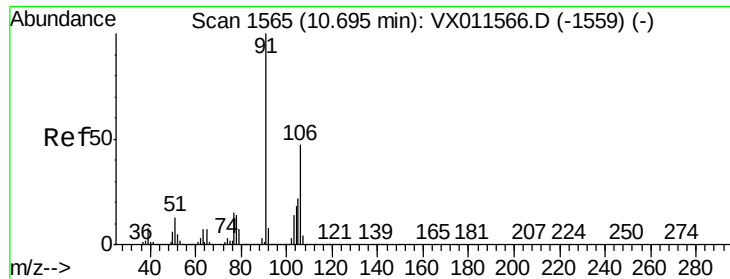
Tgt Ion: 106 Resp: 802827

Ion Ratio Lower Upper

106 100

91 197.3 156.0 234.0

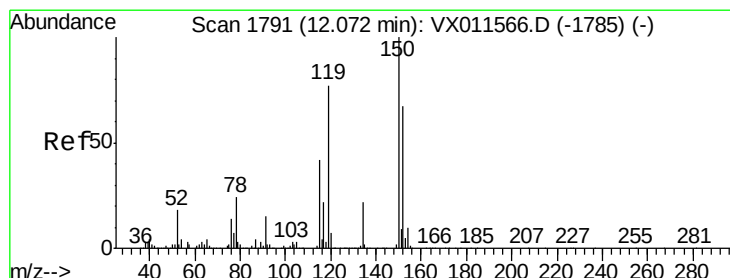
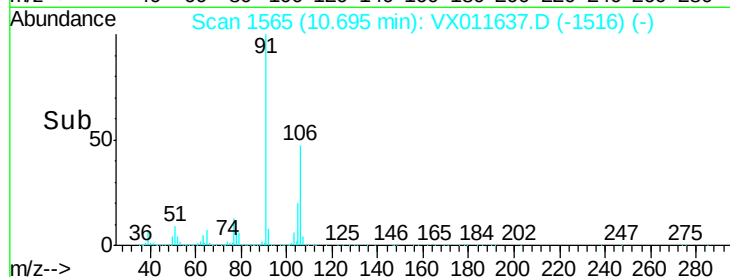
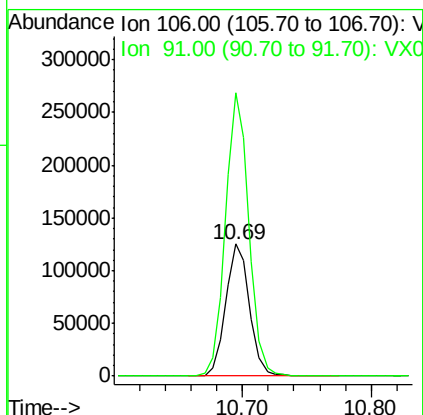
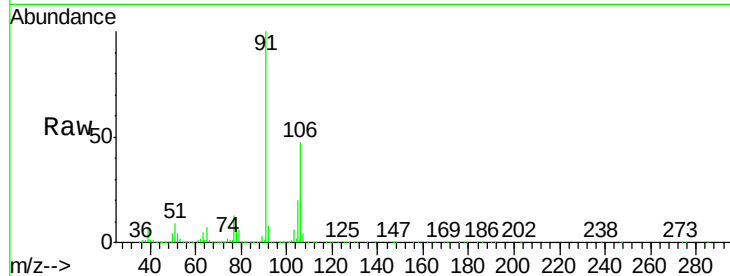




#69
o-Xylene
Concen: 22.485 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011637.D
Acq: 19 Aug 2019 17:16

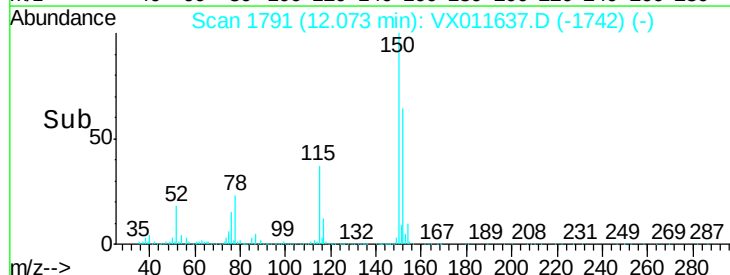
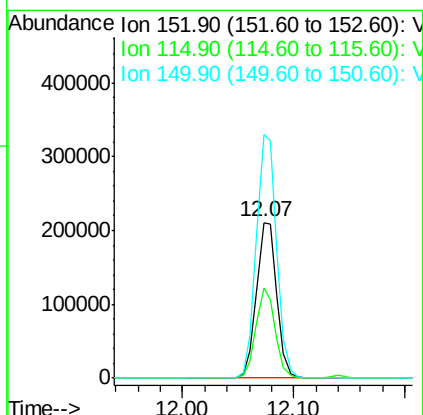
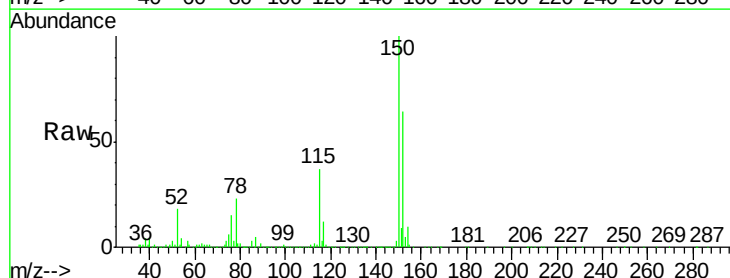
Instrument :
MSVOA_X
ClientSampled :
PH2-0139DL

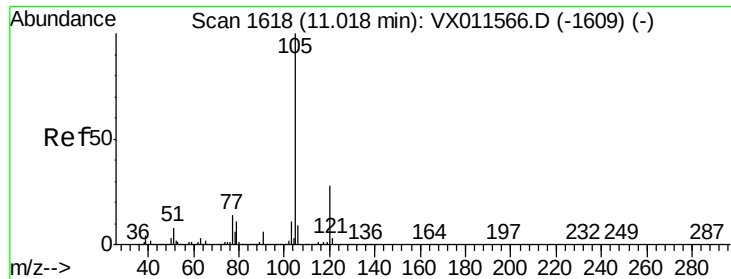
Tot Ion:106 Resp: 162390
Ion Ratio Lower Upper
106 100
91 210.5 105.5 316.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX011637.D
Acq: 19 Aug 2019 17:16

Tgt Ion:152 Resp: 268572
Ion Ratio Lower Upper
152 100
115 54.6 37.3 111.9
150 156.6 0.0 346.2





#73

Isopropylbenzene

Concen: 2.131 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011637.D

Acq: 19 Aug 2019 17:16

Instrument :

MSVOA_X

ClientSampleId :

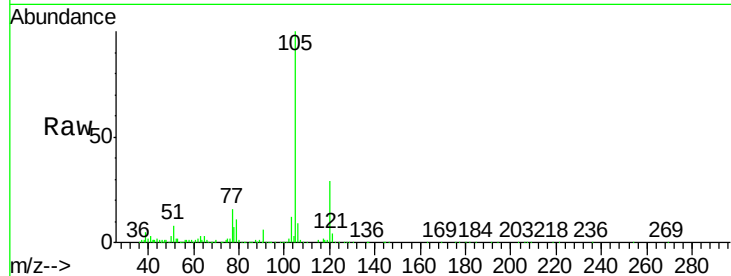
PH2-0139DL

Tot Ion:105 Resp: 37135

Ion Ratio Lower Upper

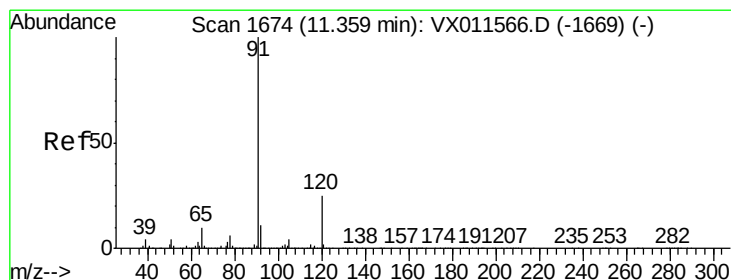
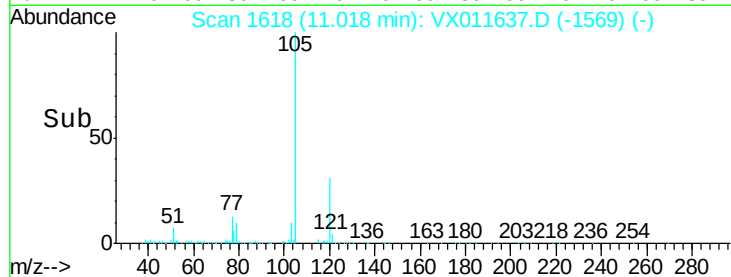
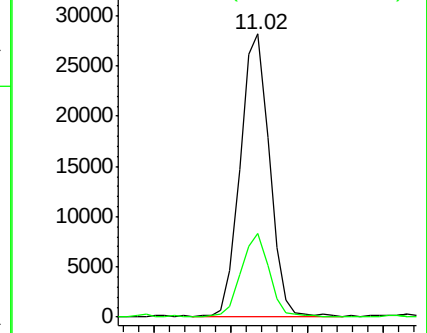
105 100

120 28.8 14.0 41.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 1.885 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011637.D

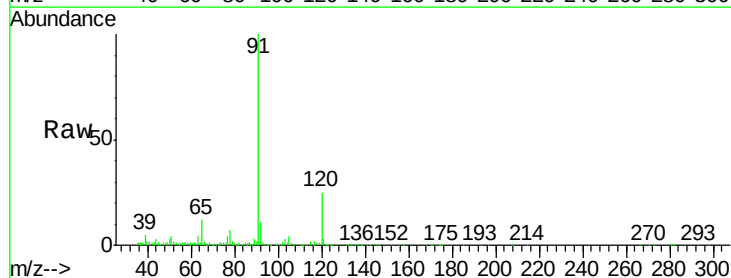
Acq: 19 Aug 2019 17:16

Tgt Ion: 91 Resp: 35430

Ion Ratio Lower Upper

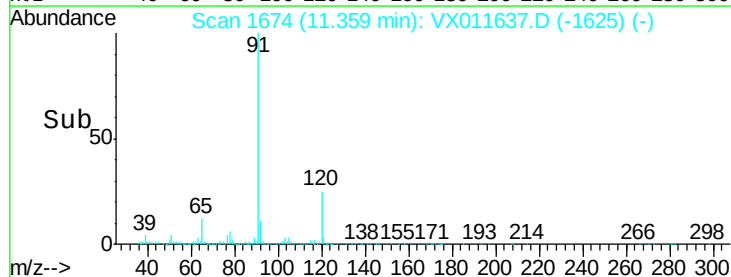
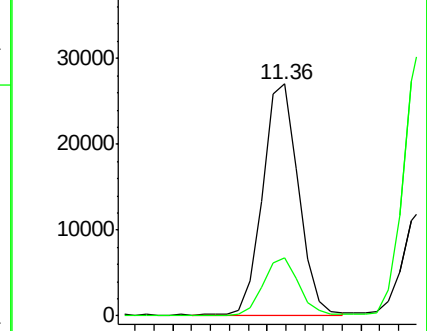
91 100

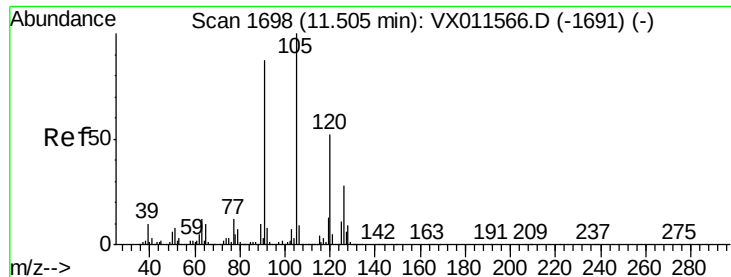
120 25.3 12.6 37.6



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: 4.460 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011637.D

Acq: 19 Aug 2019 17:16

Instrument :

MSVOA_X

ClientSampleId :

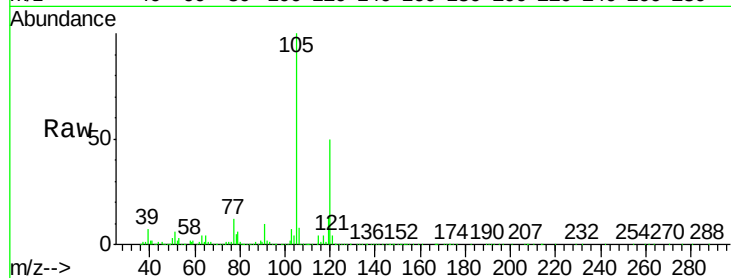
PH2-0139DL

Tot Ion:105 Resp: 65297

Ion Ratio Lower Upper

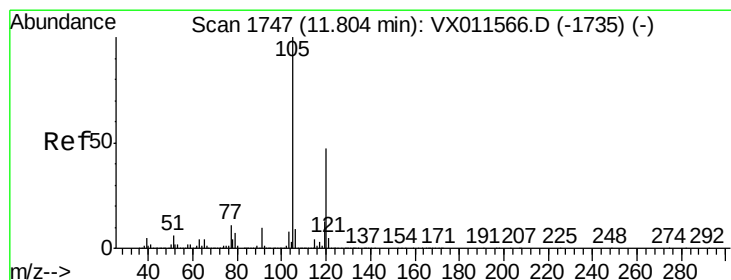
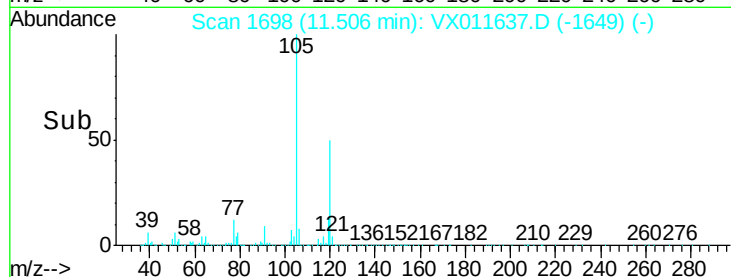
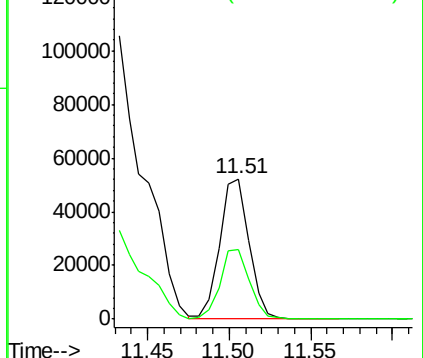
105 100

120 49.2 25.3 75.8



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: 12.906 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX011637.D

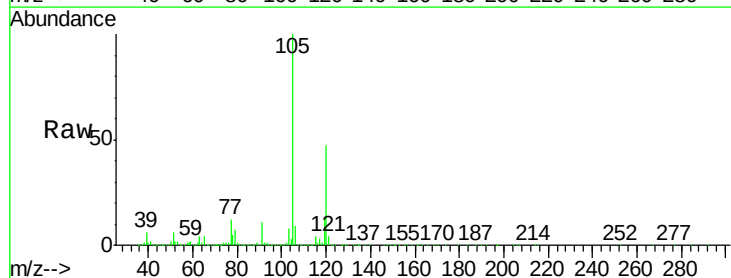
Acq: 19 Aug 2019 17:16

Tgt Ion:105 Resp: 189682

Ion Ratio Lower Upper

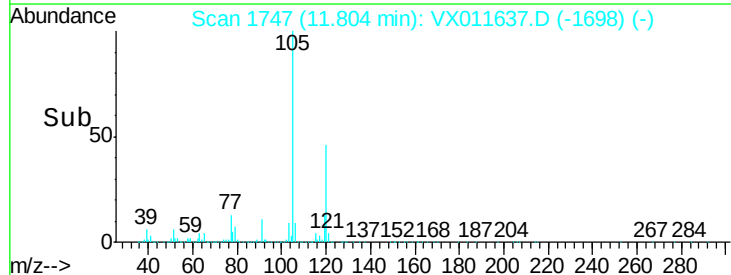
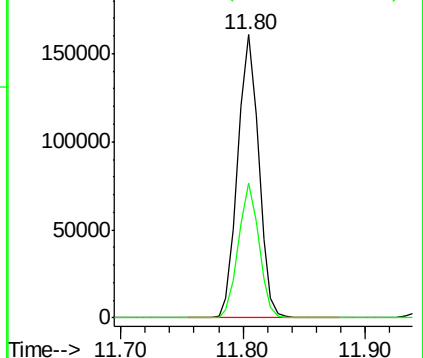
105 100

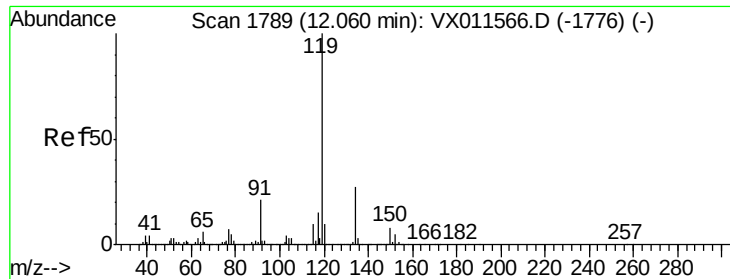
120 46.5 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

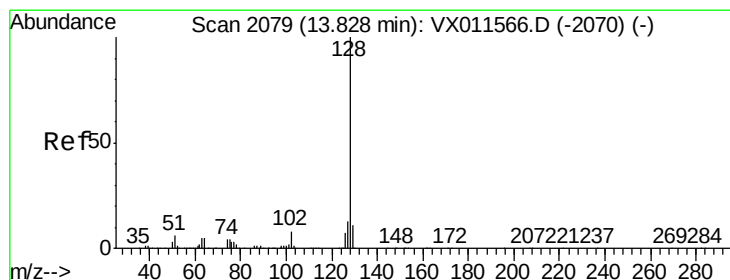
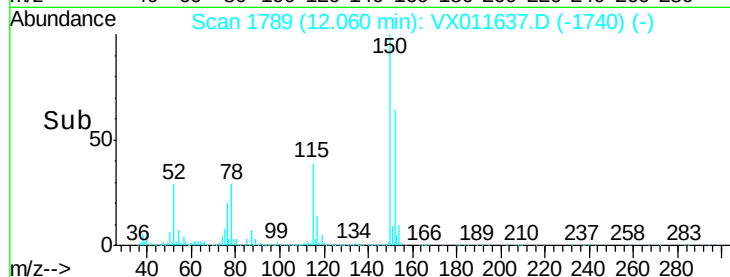
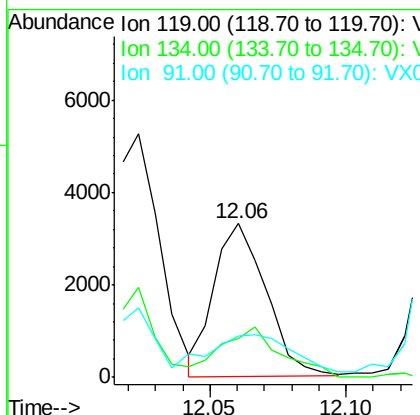
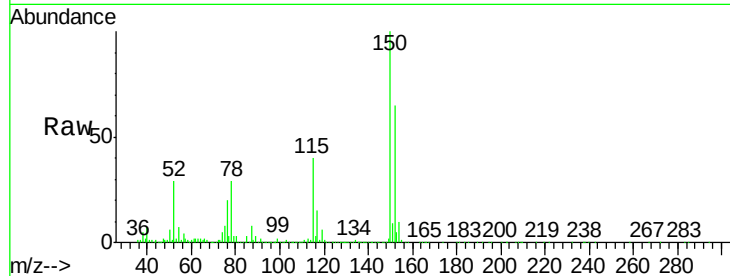




#86
 p-Isopropyltoluene
 Concen: 0.276 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX011637.D
 Acq: 19 Aug 2019 17:16

Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0139DL

Tot Ion	Ratio	Lower	Upper
119	100		
134	38.5	13.6	40.8
91	31.5	10.9	32.9



#95
 Naphthalene
 Concen: 4.516 ug/l
 RT: 13.83 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VX011637.D
 Acq: 19 Aug 2019 17:16

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.3	15.5
129	11.0	8.7	13.1

