

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081919\
 Data File : VX011641.D
 Acq On : 19 Aug 2019 18:50
 Operator : JC/SP
 Sample : K4351-01DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0142DL

Quant Time: Aug 20 11:49:18 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	5.65	168	451055	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	603079	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	513849	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	279999	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	204631	48.92	ug/l	0.00
Spiked Amount			Recovery	=	97.84%	
35) Dibromofluoromethane	5.49	113	177150	44.91	ug/l	0.00
Spiked Amount			Recovery	=	89.82%	
50) Toluene-d8	8.71	98	692165	56.32	ug/l	0.00
Spiked Amount			Recovery	=	112.64%	
62) 4-Bromofluorobenzene	11.13	95	248839	47.97	ug/l	0.00
Spiked Amount			Recovery	=	95.94%	

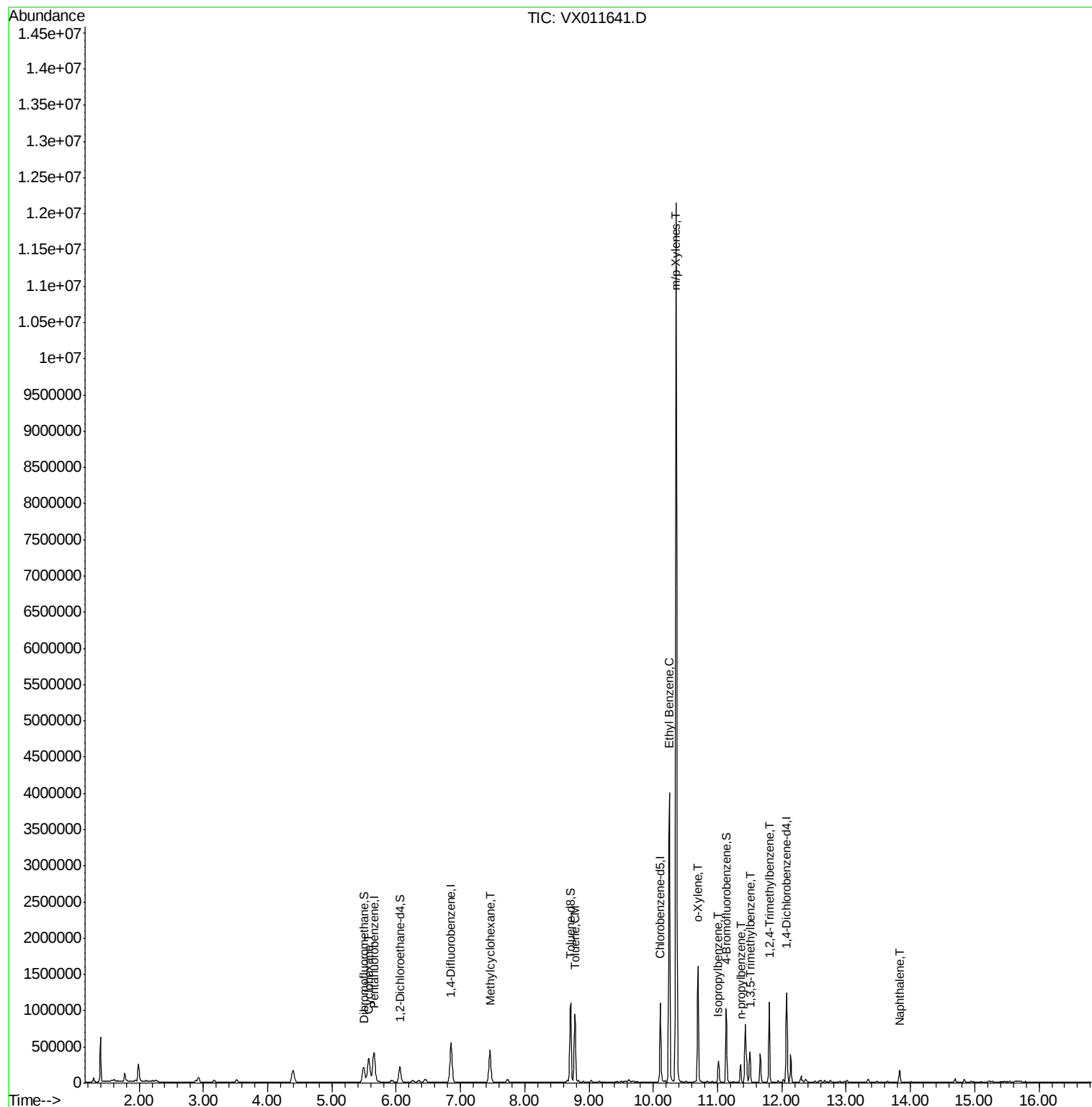
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.57	56	235391	37.953	ug/l	99
39) Methylcyclohexane	7.46	83	207961	32.659	ug/l	97
52) Toluene	8.78	92	361899	35.451	ug/l	99
67) Ethyl Benzene	10.25	91	2289320	125.160	ug/l	99
68) m/p-Xylenes	10.35	106	2994272	426.469	ug/l	99
69) o-Xylene	10.69	106	346987	50.453	ug/l	99
73) Isopropylbenzene	11.02	105	160403	8.829	ug/l	97
78) n-propylbenzene	11.36	91	158858	8.109	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	192686	12.625	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	487997	31.849	ug/l	100
95) Naphthalene	13.83	128	109246	5.561	ug/l	98

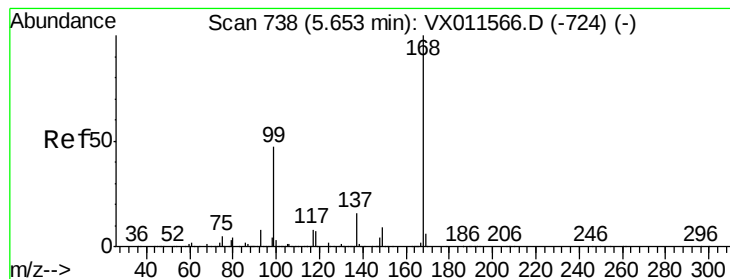
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011641.D

Acq: 19 Aug 2019 18:50

Instrument :

MSVOA_X

ClientSampleId :

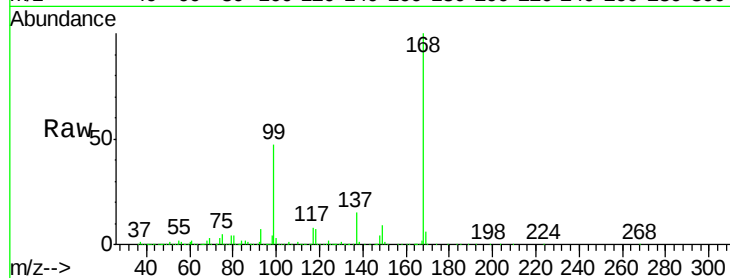
PH2-0142DL

Tot Ion:168 Resp: 451055

Ion Ratio Lower Upper

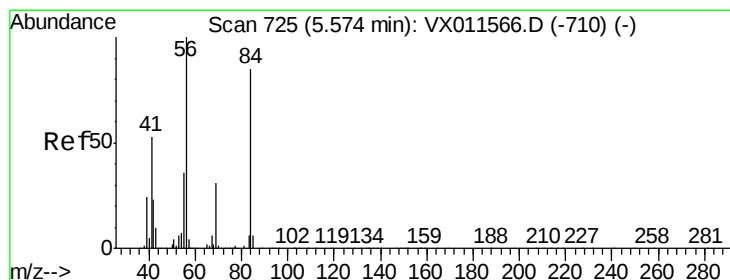
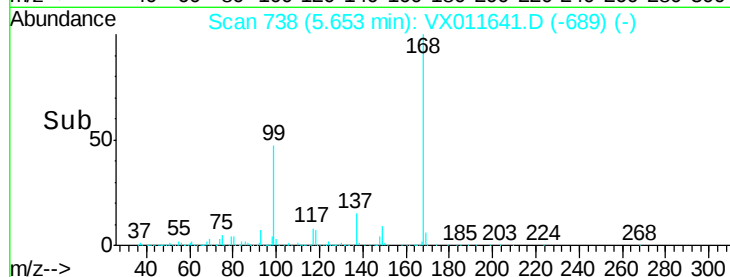
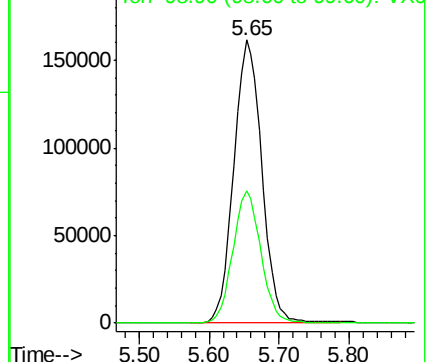
168 100

99 46.5 37.3 55.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#31

Cyclohexane

Concen: 37.953 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX011641.D

Acq: 19 Aug 2019 18:50

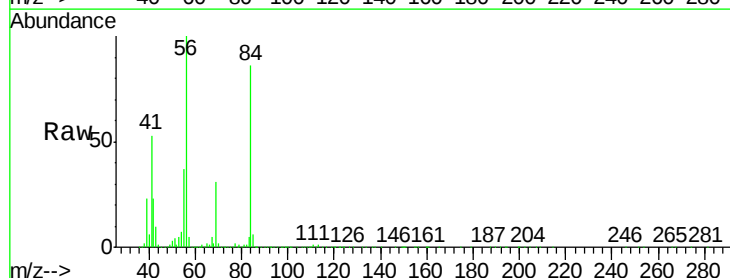
Tgt Ion: 56 Resp: 235391

Ion Ratio Lower Upper

56 100

69 31.1 24.8 37.2

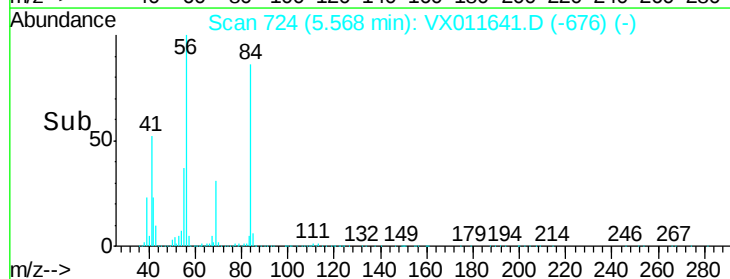
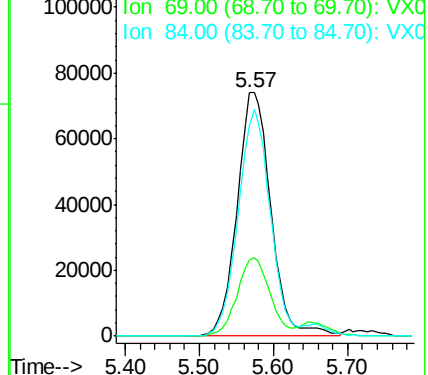
84 86.5 67.9 101.9

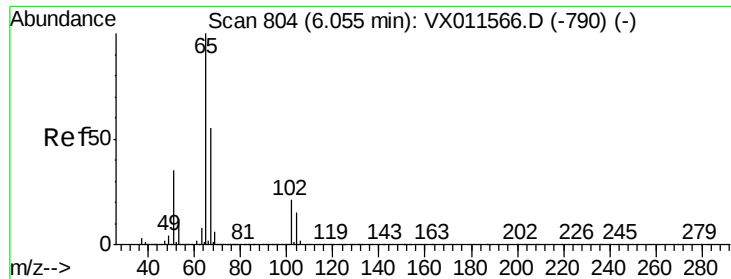


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 48.921 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011641.D

Acq: 19 Aug 2019 18:50

Instrument :

MSVOA_X

ClientSampleId :

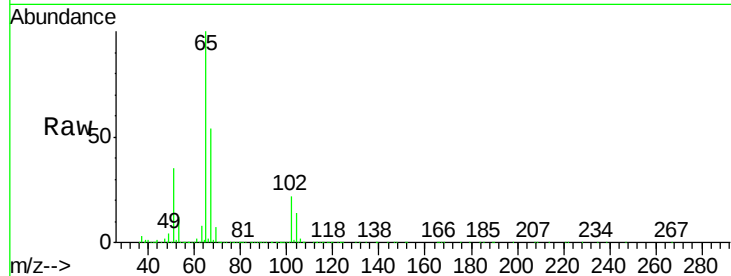
PH2-0142DL

Tot Ion: 65 Resp: 204631

Ion Ratio Lower Upper

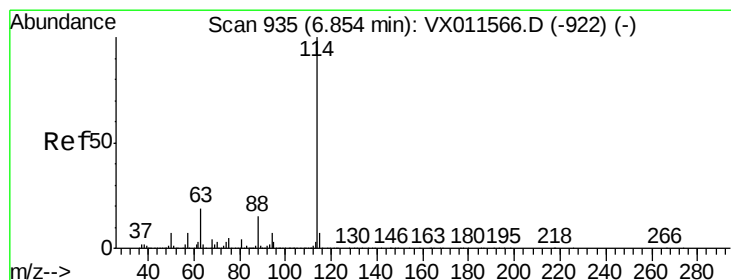
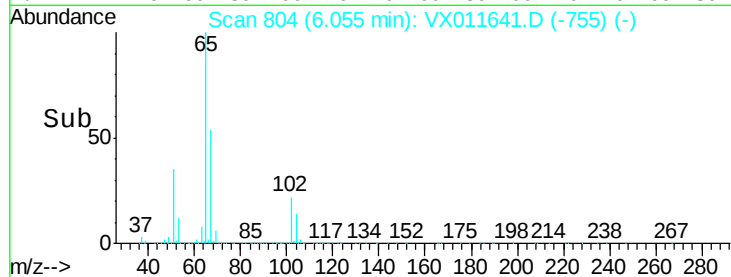
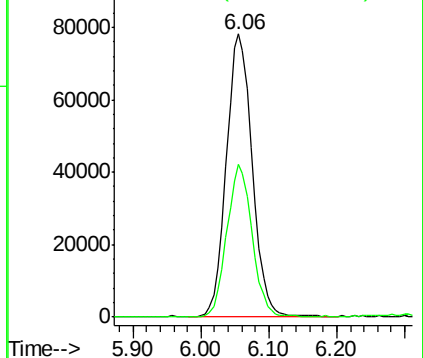
65 100

67 52.7 0.0 107.6



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# 935

Delta R.T. 0.00 min

Lab File: VX011641.D

Acq: 19 Aug 2019 18:50

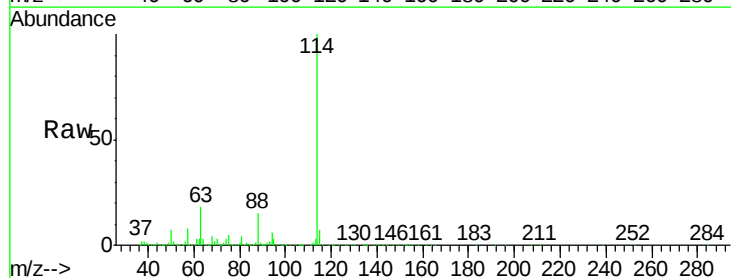
Tgt Ion: 114 Resp: 603079

Ion Ratio Lower Upper

114 100

63 18.3 0.0 37.8

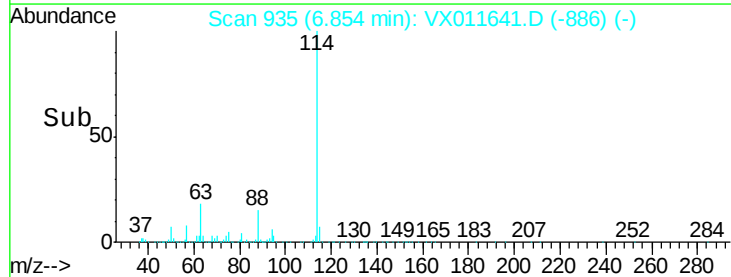
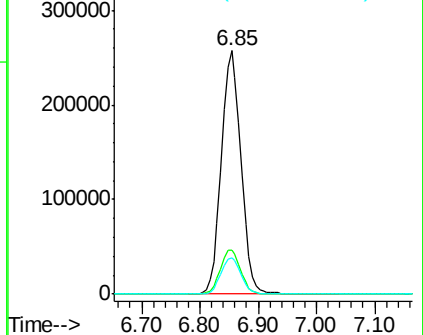
88 14.6 0.0 30.2

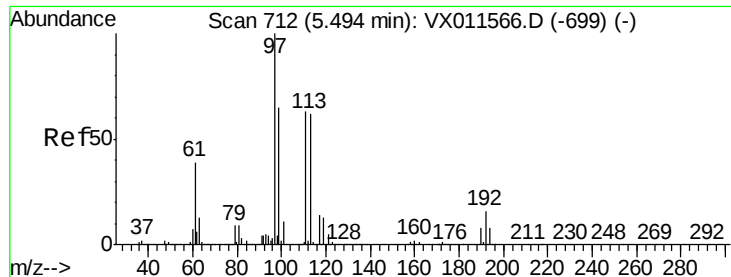


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

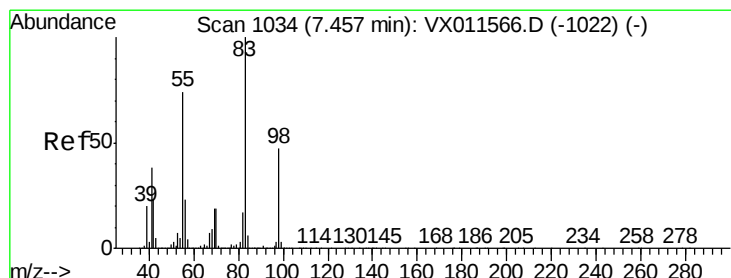
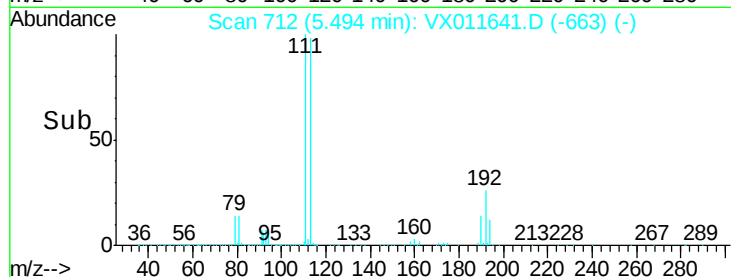
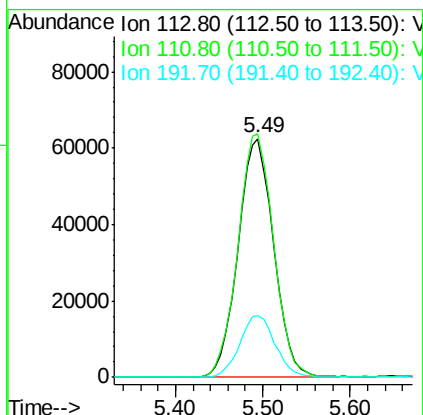
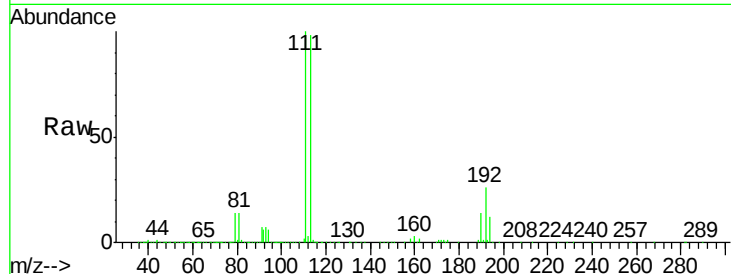




#35
 Dibromofluoromethane
 Concen: 44.910 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. 0.00 min
 Lab File: VX011641.D
 Acq: 19 Aug 2019 18:50

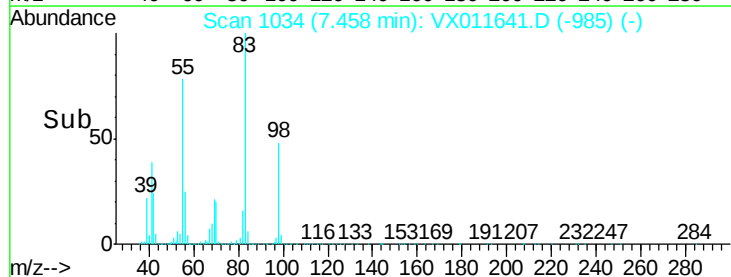
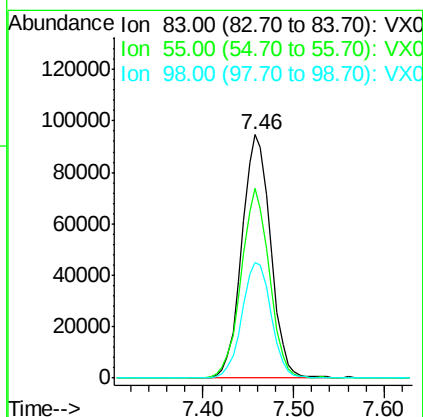
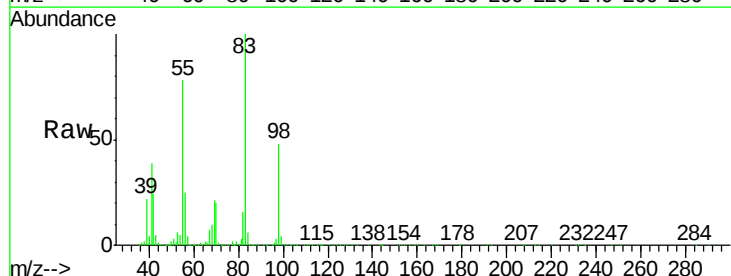
Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0142DL

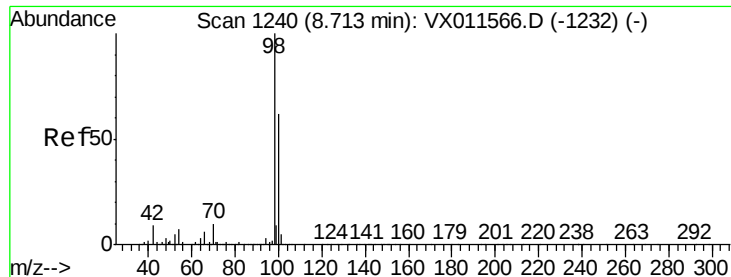
Tot Ion:113 Resp: 177150
 Ion Ratio Lower Upper
 113 100
 111 102.6 81.1 121.7
 192 26.1 20.8 31.2



#39
 Methylcyclohexane
 Concen: 32.659 ug/l
 RT: 7.46 min Scan# 1034
 Delta R.T. 0.00 min
 Lab File: VX011641.D
 Acq: 19 Aug 2019 18:50

Tgt Ion: 83 Resp: 207961
 Ion Ratio Lower Upper
 83 100
 55 77.7 58.8 88.2
 98 47.7 37.8 56.6





#50

Toluene-d8

Concen: 56.316 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011641.D

Acq: 19 Aug 2019 18:50

Instrument :

MSVOA_X

ClientSampleId :

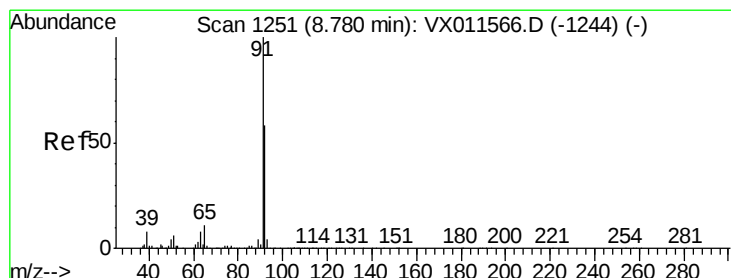
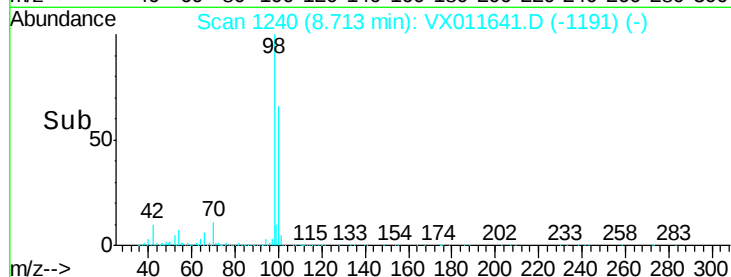
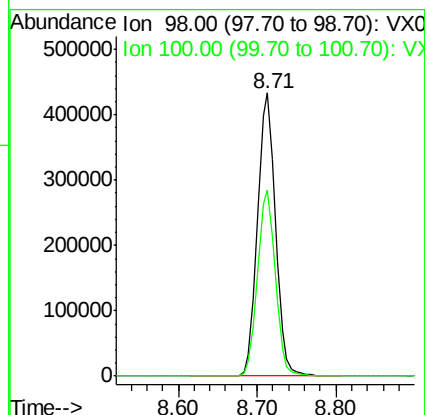
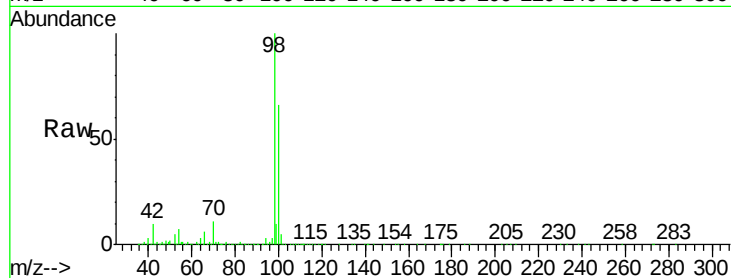
PH2-0142DL

Tot Ion: 98 Resp: 692165

Ion Ratio Lower Upper

98 100

100 65.1 52.4 78.6



#52

Toluene

Concen: 35.451 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011641.D

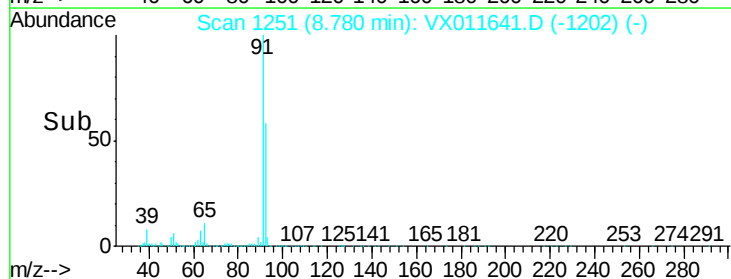
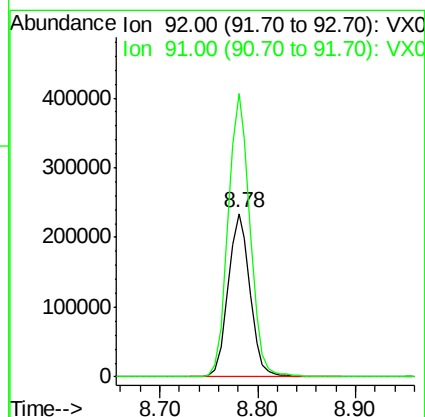
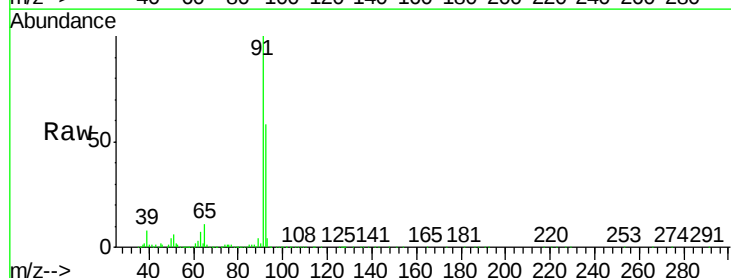
Acq: 19 Aug 2019 18:50

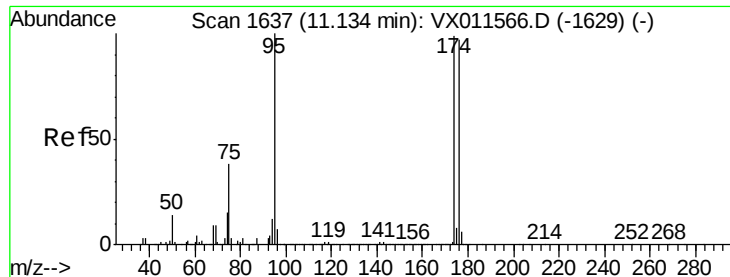
Tgt Ion: 92 Resp: 361899

Ion Ratio Lower Upper

92 100

91 174.1 138.0 207.0





#62

4-Bromofluorobenzene

Concen: 47.967 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011641.D

Acq: 19 Aug 2019 18:50

Instrument :

MSVOA_X

ClientSampled :

PH2-0142DL

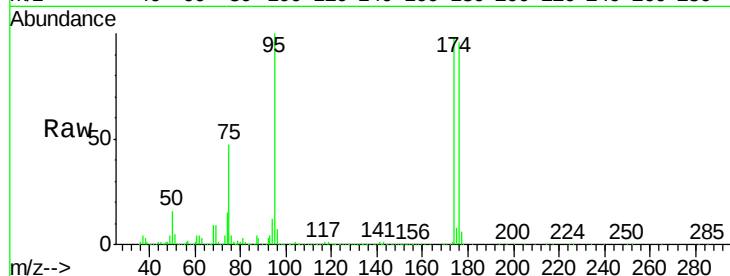
Tot Ion: 95 Resp: 248839

Ion Ratio Lower Upper

95 100

174 98.6 0.0 200.6

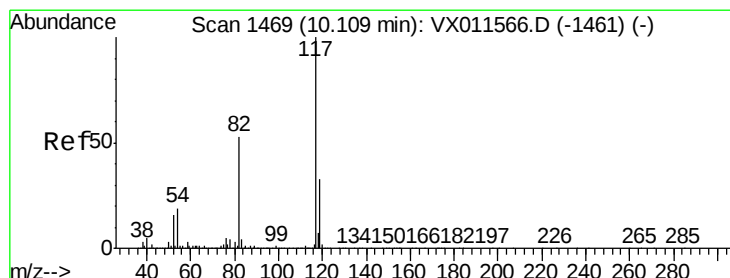
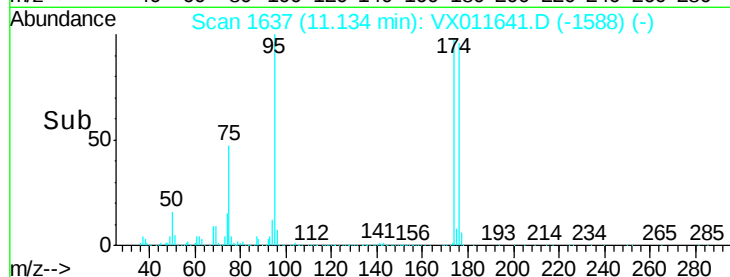
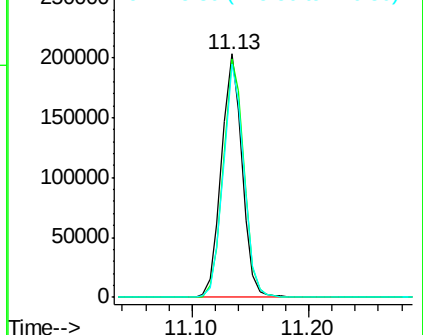
176 95.5 0.0 196.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX011641.D

Acq: 19 Aug 2019 18:50

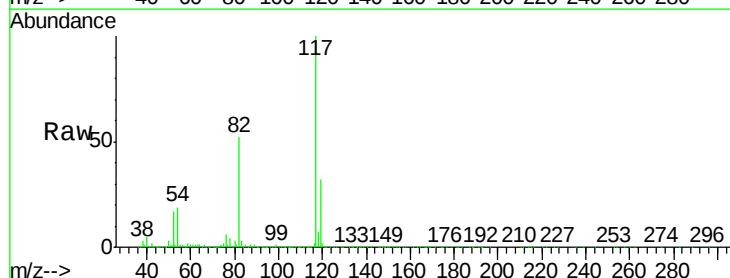
Tgt Ion: 117 Resp: 513849

Ion Ratio Lower Upper

117 100

82 51.8 42.0 63.0

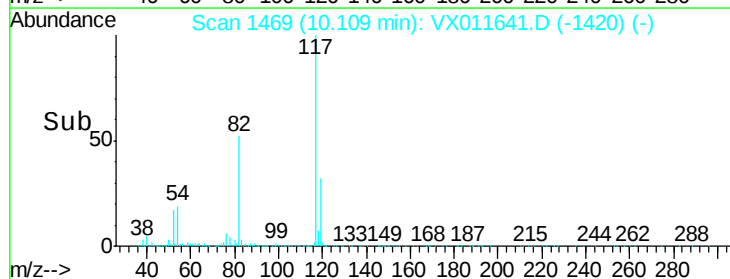
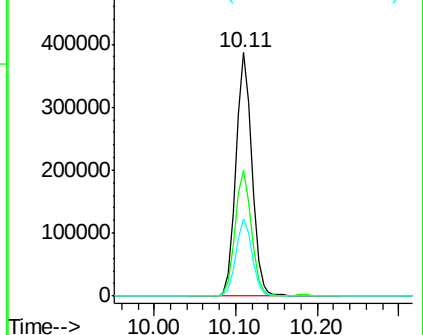
119 31.8 26.5 39.7

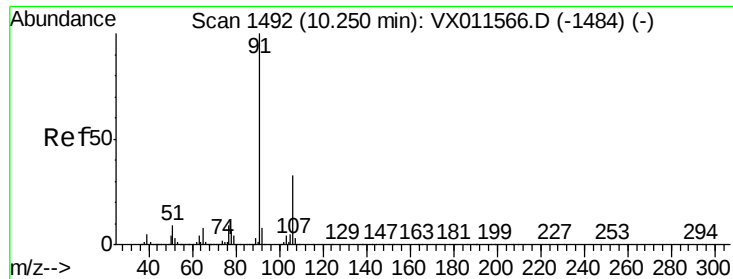


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

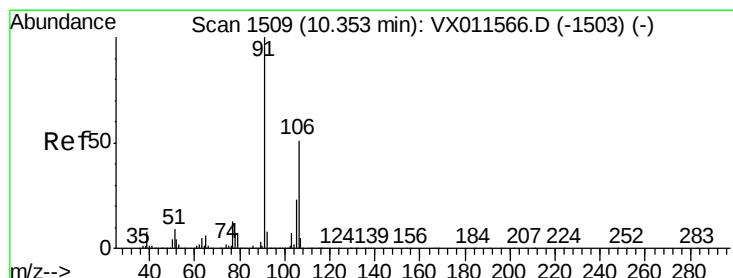
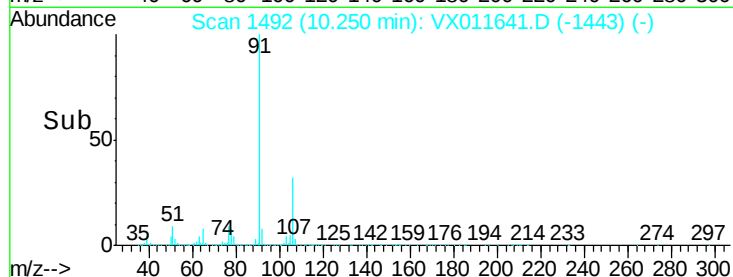
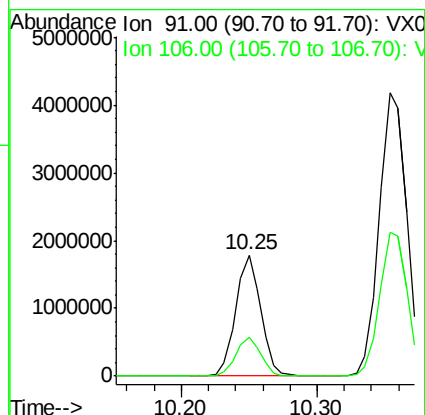
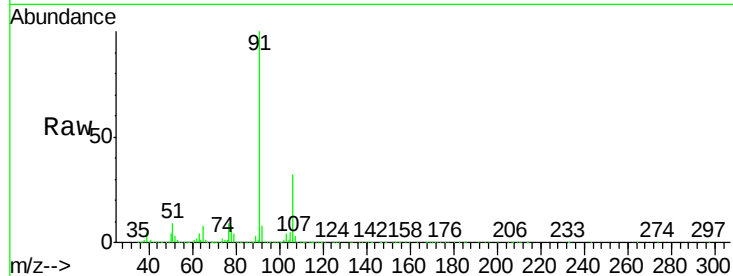




#67
Ethyl Benzene
Concen: 125.160 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011641.D
Acq: 19 Aug 2019 18:50

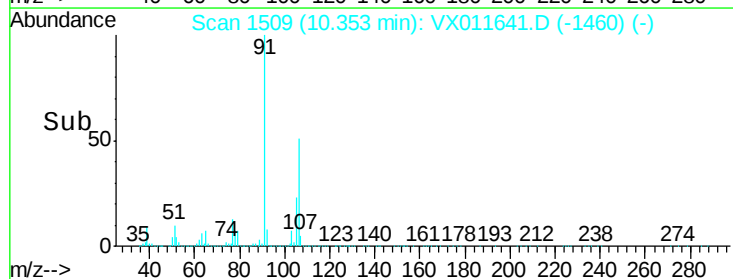
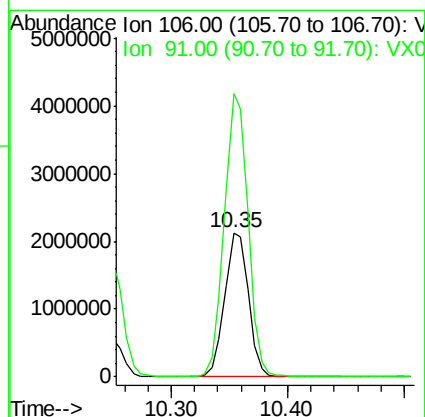
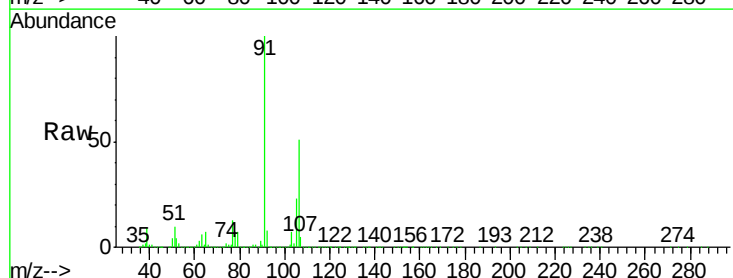
Instrument :
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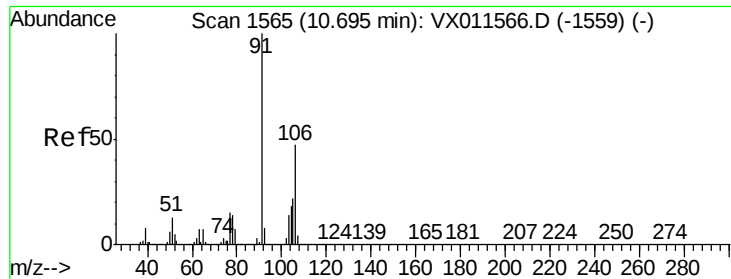
Tot Ion: 91 Resp: 2289320
Ion Ratio Lower Upper
91 100
106 31.8 26.0 39.0



#68
m/p-Xylenes
Concen: 426.469 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. 0.00 min
Lab File: VX011641.D
Acq: 19 Aug 2019 18:50

Tgt Ion: 106 Resp: 2994272
Ion Ratio Lower Upper
106 100
91 196.4 156.0 234.0

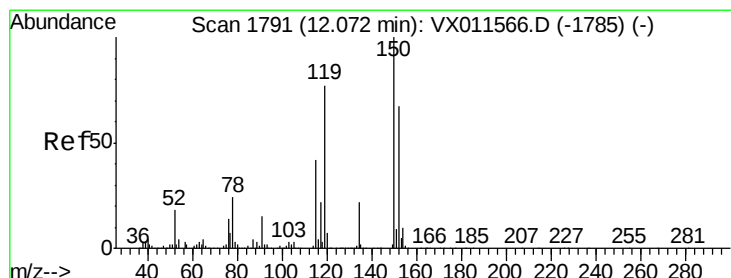
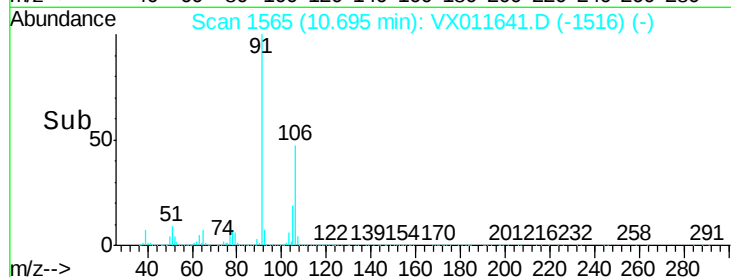
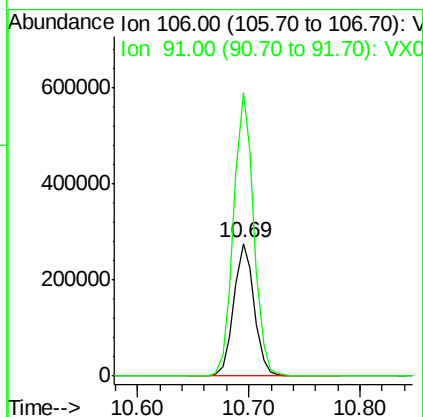
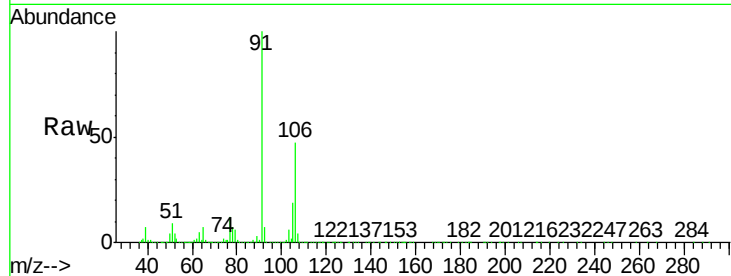




#69
o-Xylene
Concen: 50.453 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011641.D
Acq: 19 Aug 2019 18:50

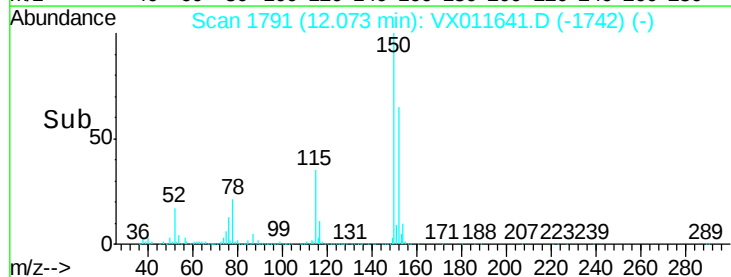
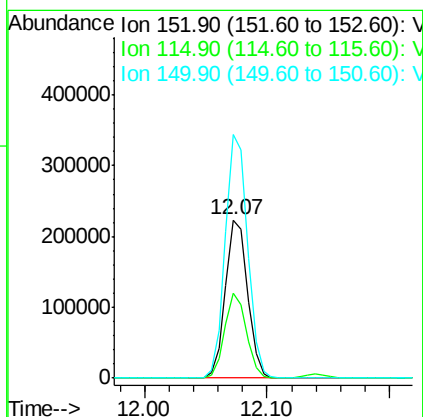
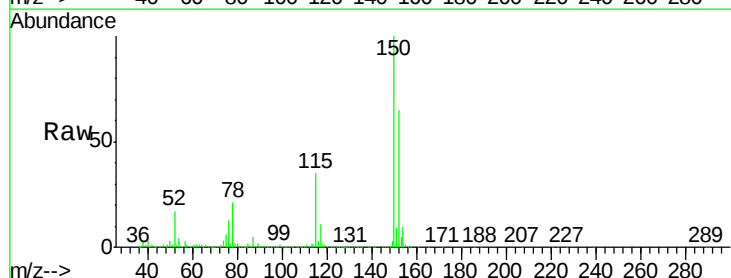
Instrument :
MSVOA_X
ClientSampleId :
PH2-0142DL

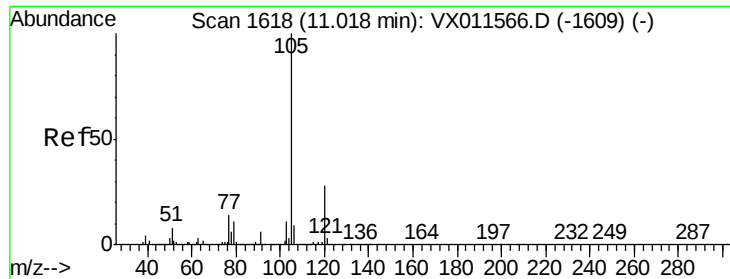
Tot Ion:106 Resp: 346987
Ion Ratio Lower Upper
106 100
91 212.3 105.5 316.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1791
Delta R.T. 0.00 min
Lab File: VX011641.D
Acq: 19 Aug 2019 18:50

Tgt Ion:152 Resp: 279999
Ion Ratio Lower Upper
152 100
115 52.4 37.3 111.9
150 154.8 0.0 346.2





#73

Isopropylbenzene

Concen: 8.829 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011641.D

Acq: 19 Aug 2019 18:50

Instrument :

MSVOA_X

ClientSampleId :

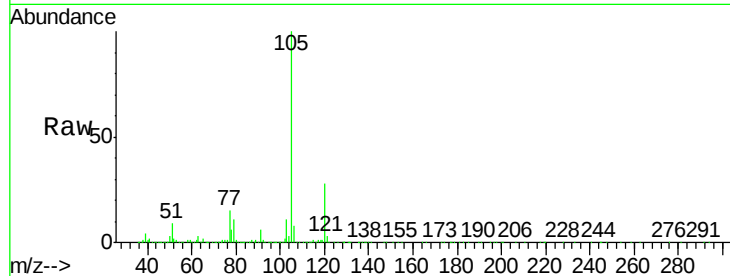
PH2-0142DL

Tot Ion:105 Resp: 160403

Ion Ratio Lower Upper

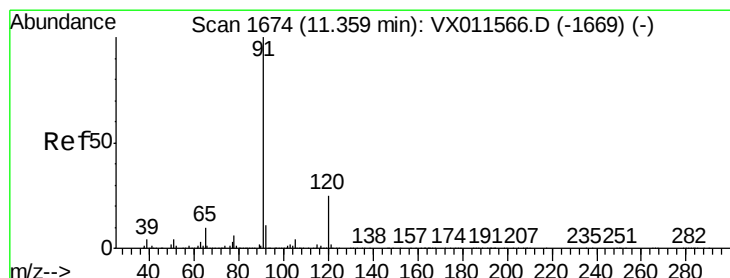
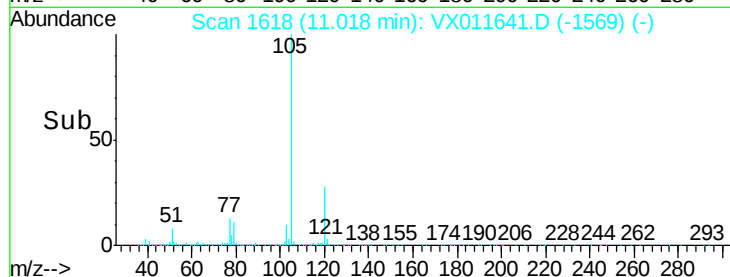
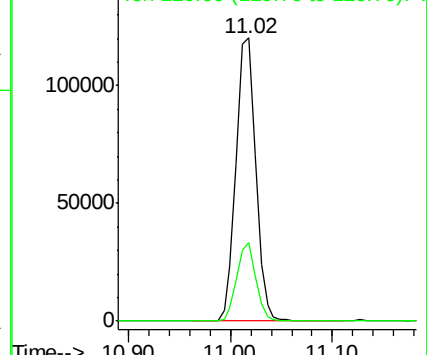
105 100

120 26.4 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: 8.109 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011641.D

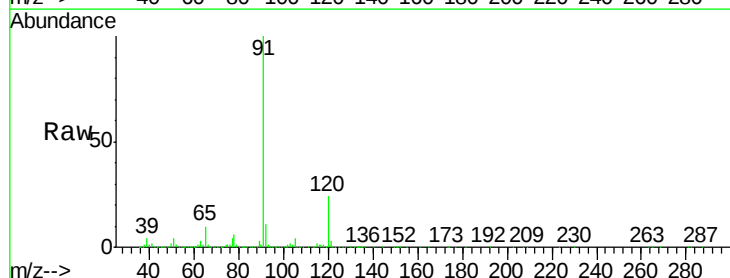
Acq: 19 Aug 2019 18:50

Tgt Ion: 91 Resp: 158858

Ion Ratio Lower Upper

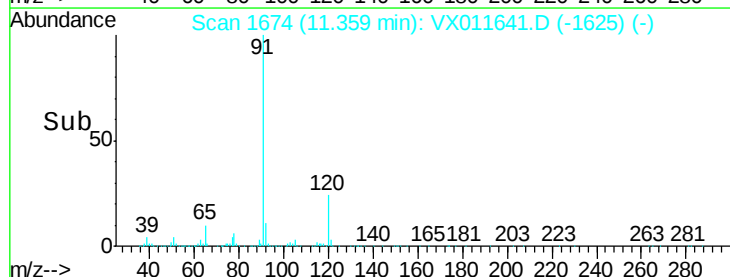
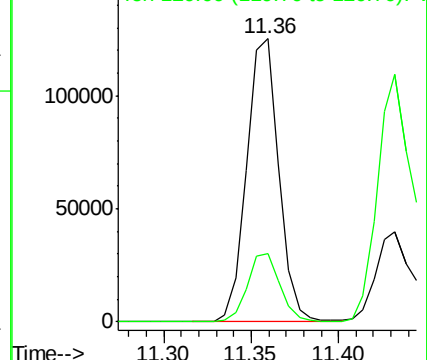
91 100

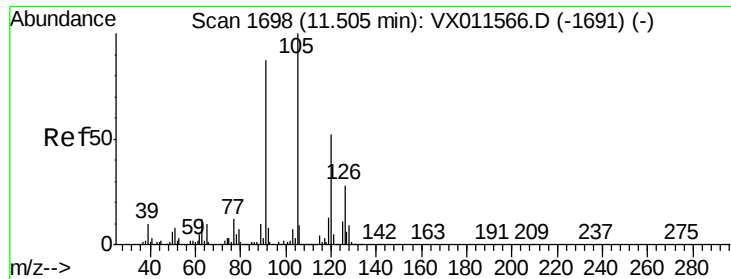
120 24.7 12.6 37.6



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: 12.625 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011641.D

Acq: 19 Aug 2019 18:50

Instrument :

MSVOA_X

ClientSampleID :

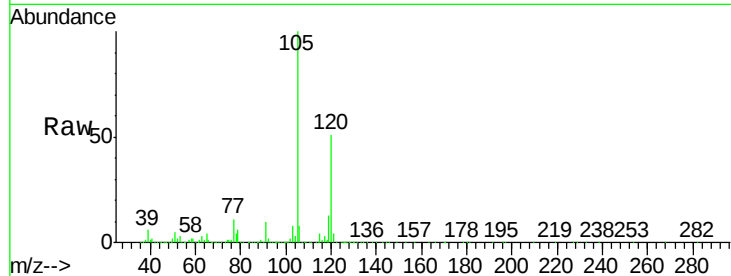
PH2-0142DL

Tot Ion:105 Resp: 192686

Ion Ratio Lower Upper

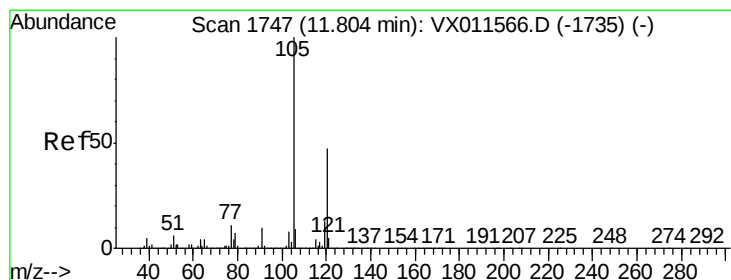
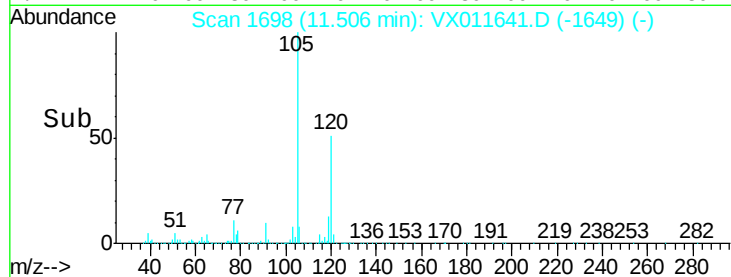
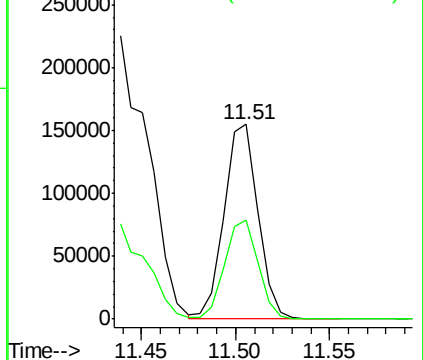
105 100

120 50.5 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: 31.849 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX011641.D

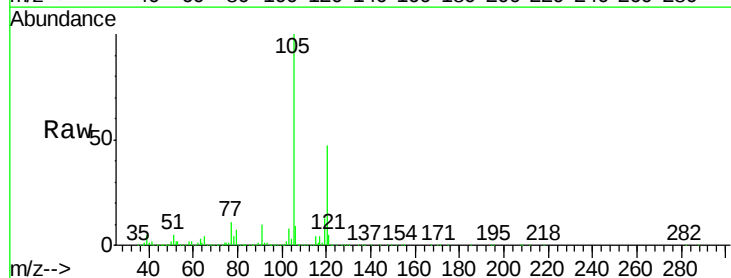
Acq: 19 Aug 2019 18:50

Tgt Ion:105 Resp: 487997

Ion Ratio Lower Upper

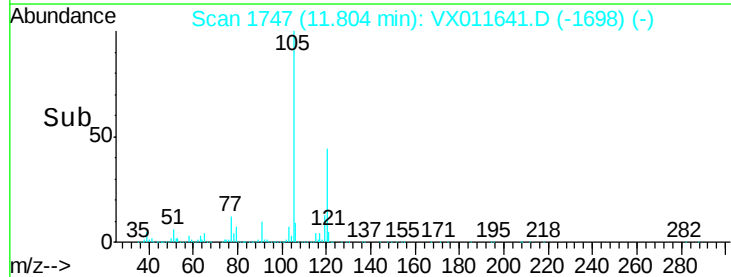
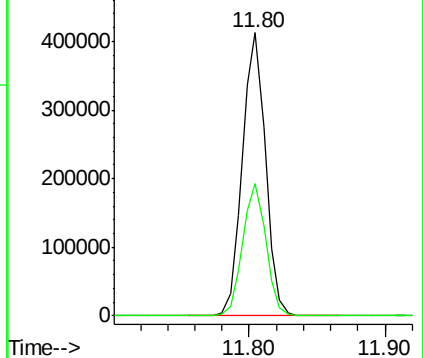
105 100

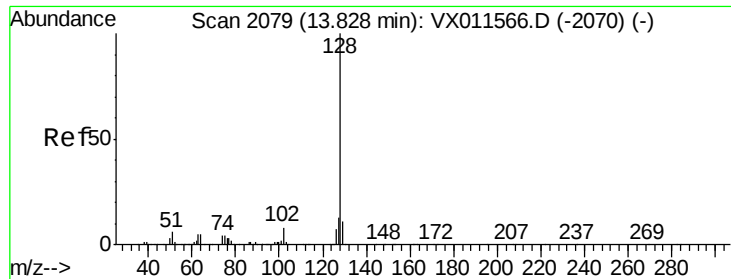
120 46.8 23.3 69.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 5.561 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. 0.00 min

Lab File: VX011641.D

Acq: 19 Aug 2019 18:50

Instrument :

MSVOA_X

ClientSampleId :

PH2-0142DL

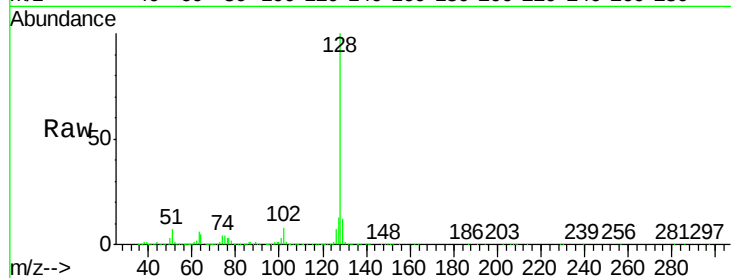
Tot Ion:128 Resp: 109246

Ion Ratio Lower Upper

128 100

127 13.4 10.3 15.5

129 11.6 8.7 13.1



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

