

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021219\
 Data File : VX007489.D
 Acq On : 12 Feb 2019 15:30
 Operator : JC/SP
 Sample : K1433-09DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW022-190207DL

Quant Time: Feb 13 12:25:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X020119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Feb 02 01:32:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	514433	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	802831	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	752316	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	374442	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	274192	50.22	ug/l	0.00
Spiked Amount			Recovery	=	100.44%	
35) Dibromofluoromethane	5.51	113	253403	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	
50) Toluene-d8	8.71	98	960132	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
62) 4-Bromofluorobenzene	11.13	95	342689	48.43	ug/l	0.00
Spiked Amount			Recovery	=	96.86%	

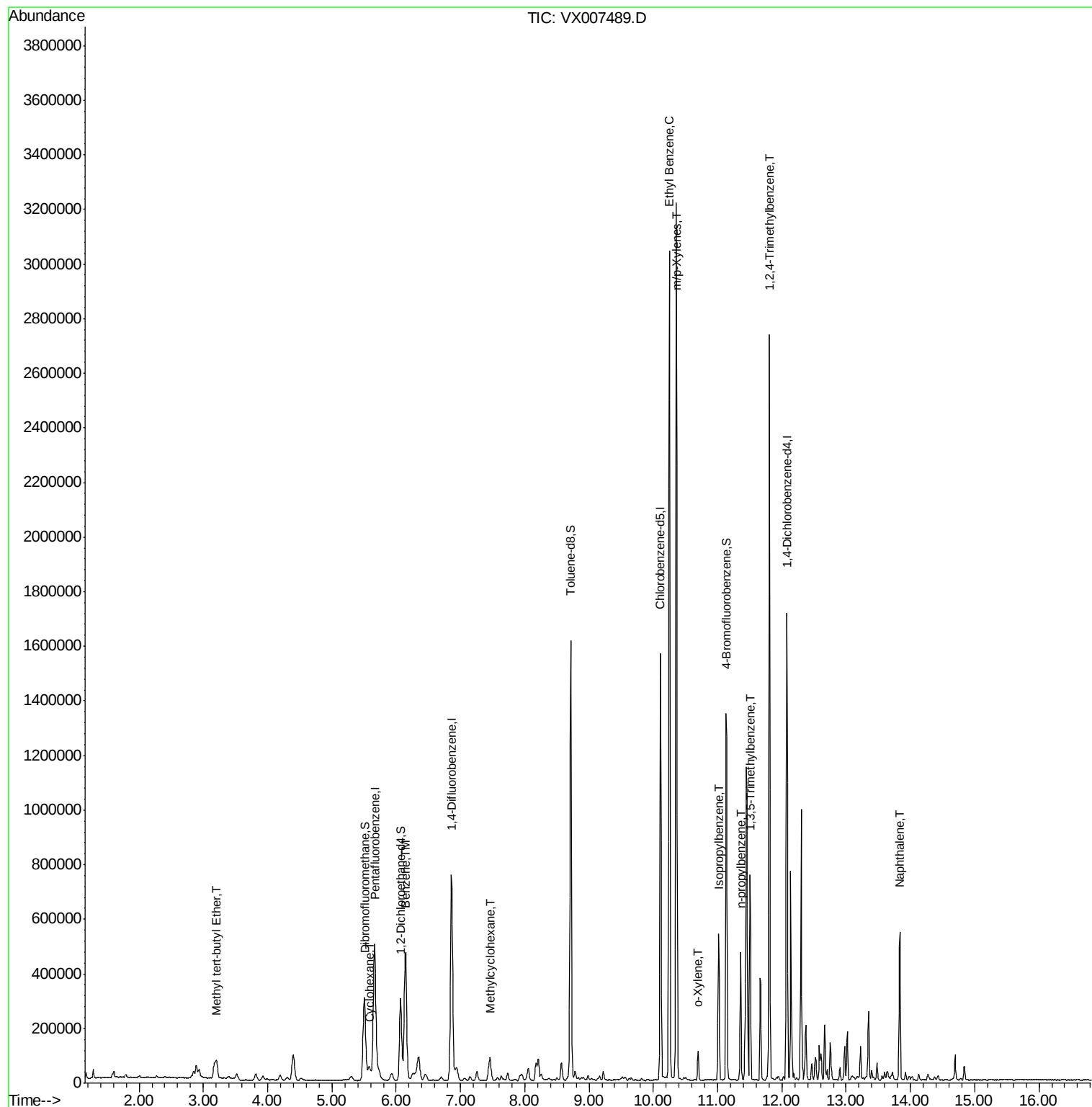
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) Methyl tert-butyl Ether	3.21	73	70912	4.456	ug/l	98
31) Cyclohexane	5.57	56	33323	4.389	ug/l	92
39) Methylcyclohexane	7.46	83	35540	4.078	ug/l	94
40) Benzene	6.15	78	578596	27.268	ug/l	98
67) Ethyl Benzene	10.25	91	1719971	65.058	ug/l	100
68) m/p-Xylenes	10.36	106	759028	72.225	ug/l	100
69) o-Xylene	10.70	106	25609	2.532	ug/l	98
73) Isopropylbenzene	11.02	105	278042	10.927	ug/l	98
78) n-propylbenzene	11.36	91	283809	10.171	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	322267	15.481	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	1180710	55.866	ug/l	99
95) Naphthalene	13.83	128	350776	13.891	ug/l	99

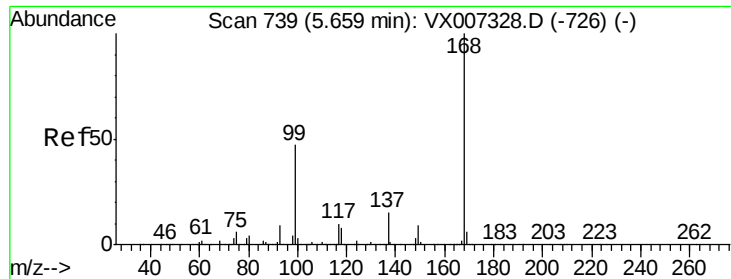
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Feb 02 01:32:36 2019
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX007489.D

Acq: 12 Feb 2019 15:30

Instrument :

MSVOA_X

ClientSampleId :

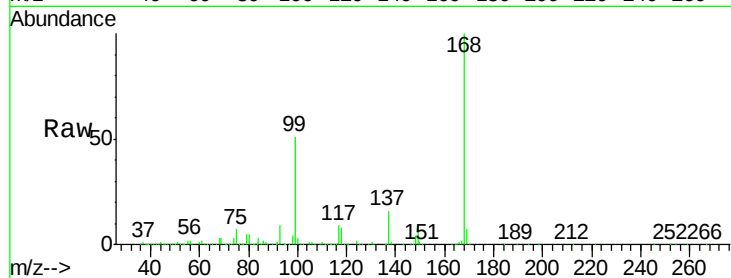
KY001MW022-190207DL

Tot Ion:168 Resp: 514433

Ion Ratio Lower Upper

168 100

99 51.1 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

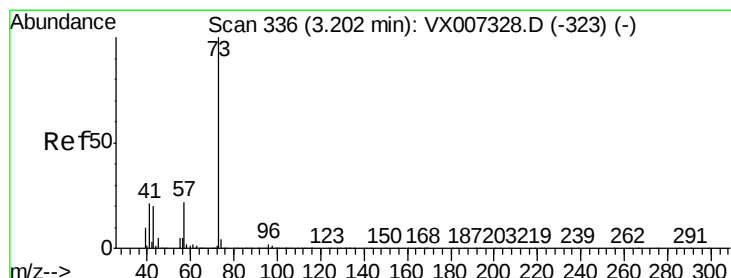
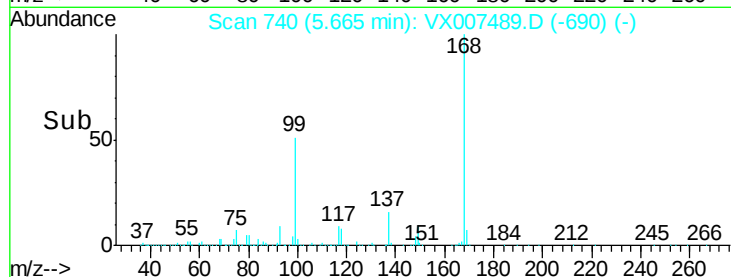
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#19

Methyl tert-butyl Ether

Concen: 4.456 ug/l

RT: 3.21 min Scan# 337

Delta R.T. 0.01 min

Lab File: VX007489.D

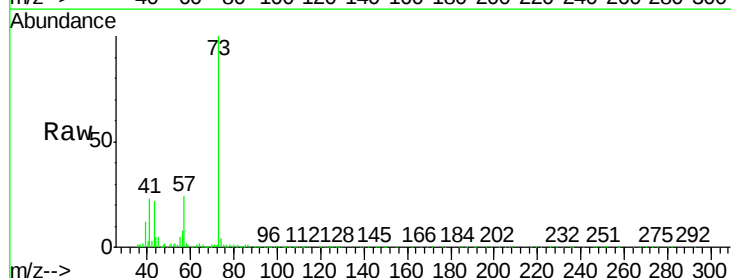
Acq: 12 Feb 2019 15:30

Tgt Ion: 73 Resp: 70912

Ion Ratio Lower Upper

73 100

57 23.2 17.8 26.8



Abundance Ion 73.00 (72.70 to 73.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.21

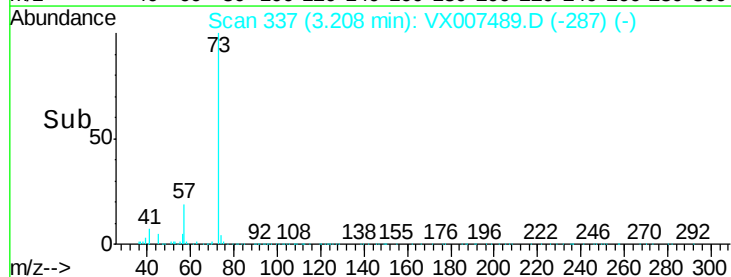
30000

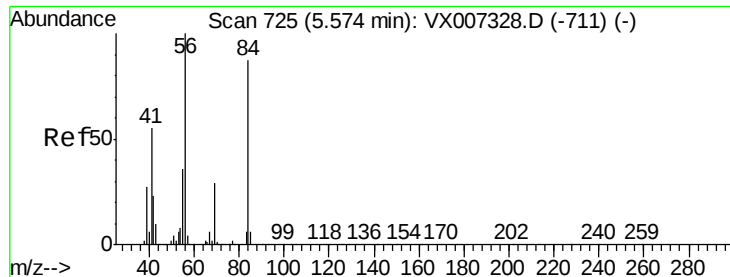
20000

10000

0

Time--> 3.10 3.20 3.30





#31

Cyclohexane

Concen: 4.389 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX007489.D

Acq: 12 Feb 2019 15:30

Instrument :

MSVOA_X

ClientSampleId :

KY001MW022-190207DL

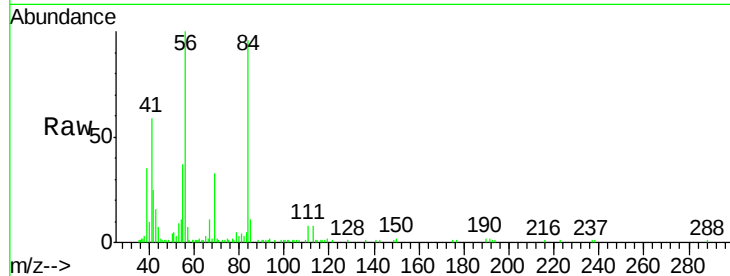
Tot Ion: 56 Resp: 33323

Ion Ratio Lower Upper

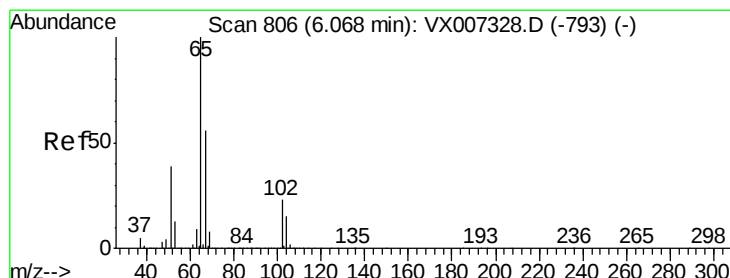
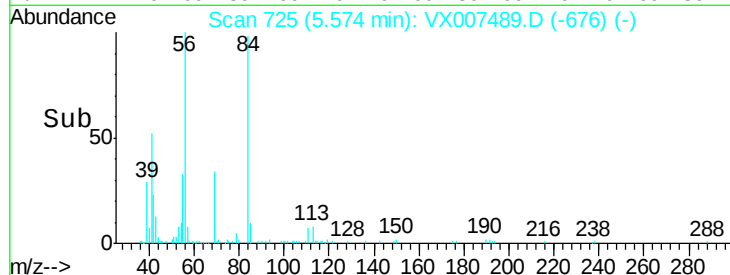
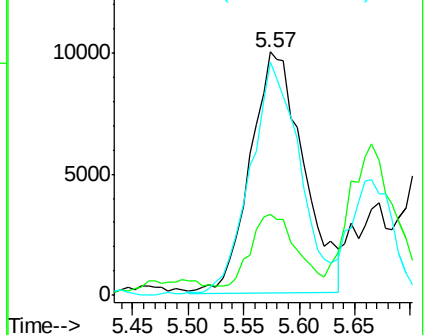
56 100

69 27.6 23.0 34.6

84 96.1 69.8 104.6



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: 50.216 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007489.D

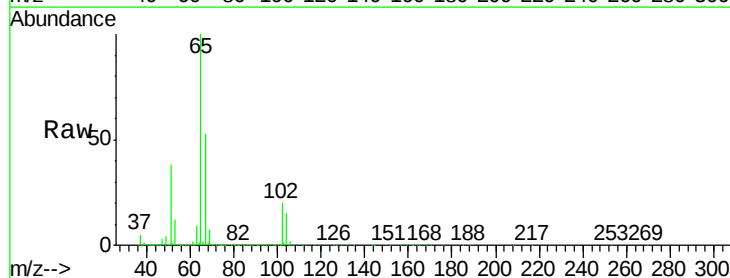
Acq: 12 Feb 2019 15:30

Tgt Ion: 65 Resp: 274192

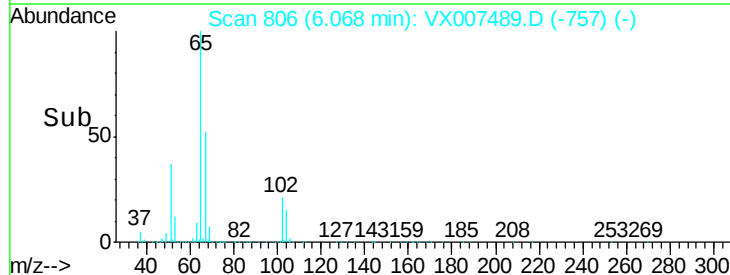
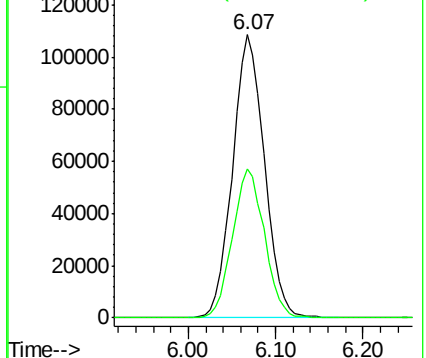
Ion Ratio Lower Upper

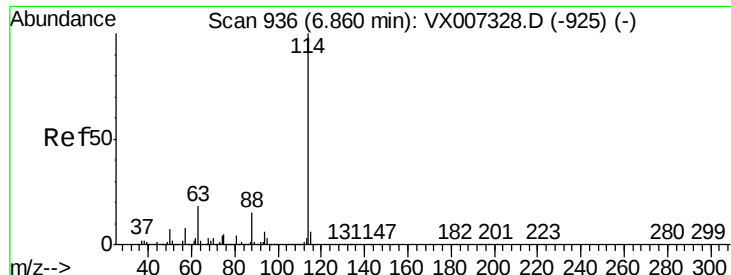
65 100

67 53.1 0.0 108.8



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: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007489.D

Acq: 12 Feb 2019 15:30

Instrument :

MSVOA_X

ClientSampleId :

KY001MW022-190207DL

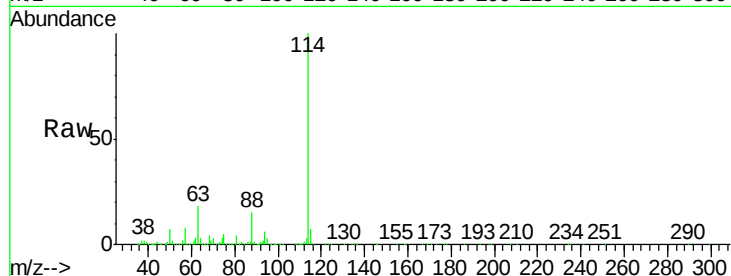
Tot Ion:114 Resp: 802831

Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.6

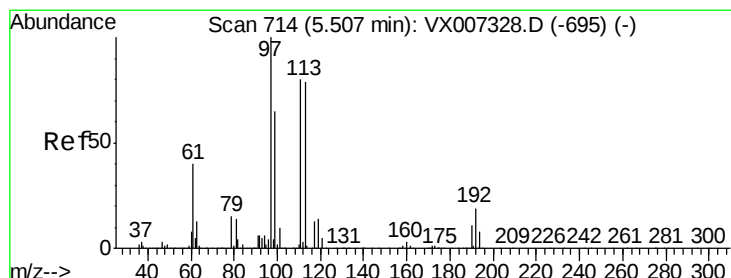
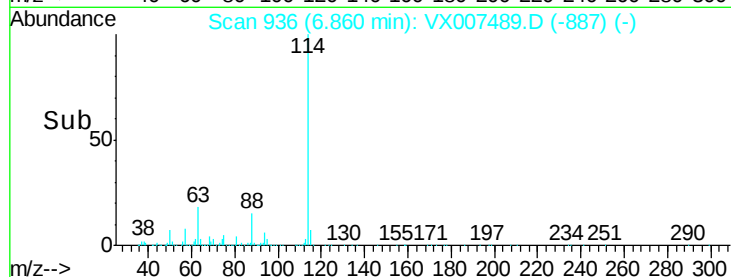
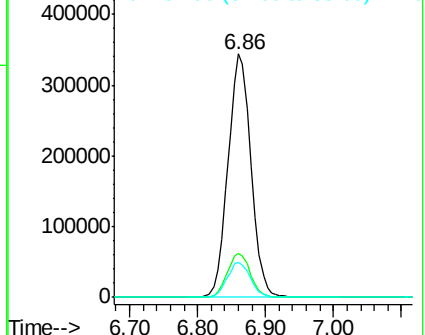
88 14.6 0.0 29.6



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: 48.510 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.00 min

Lab File: VX007489.D

Acq: 12 Feb 2019 15:30

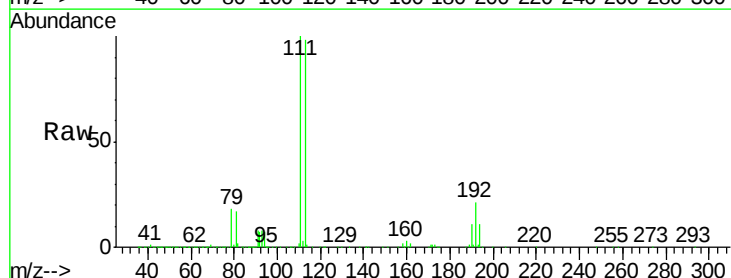
Tgt Ion:113 Resp: 253403

Ion Ratio Lower Upper

113 100

111 103.1 81.8 122.8

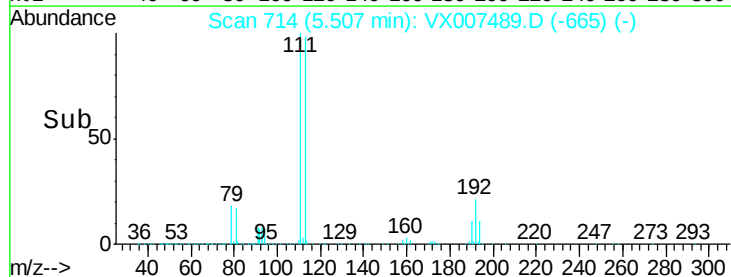
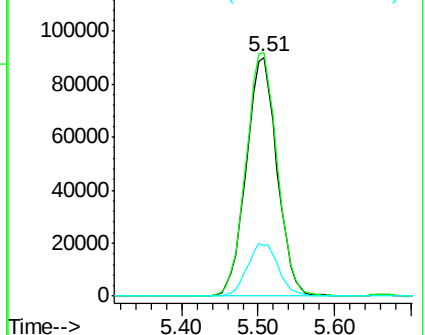
192 22.3 18.5 27.7

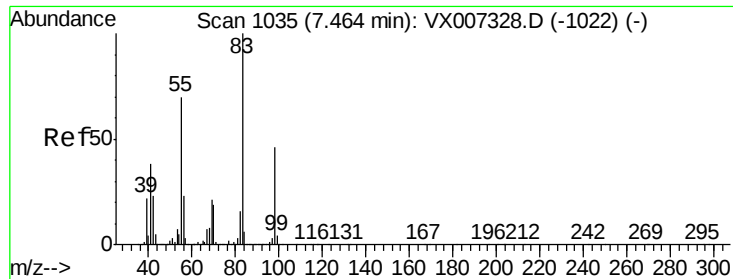


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

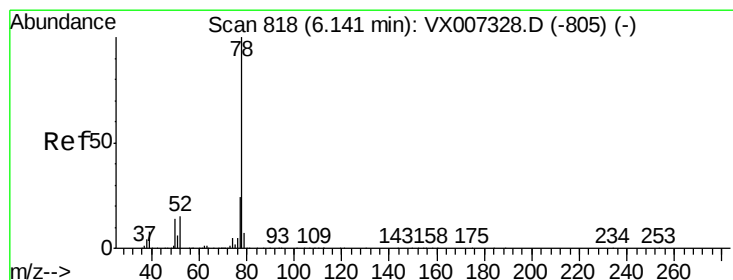
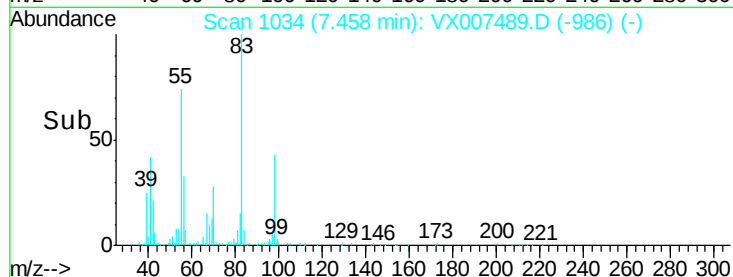
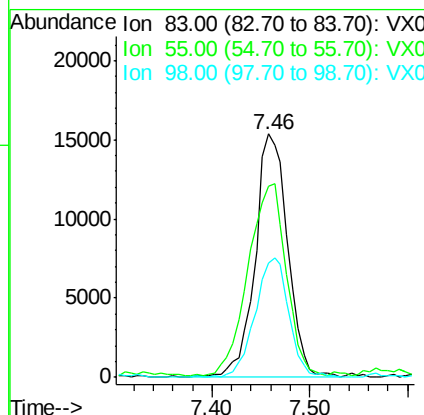
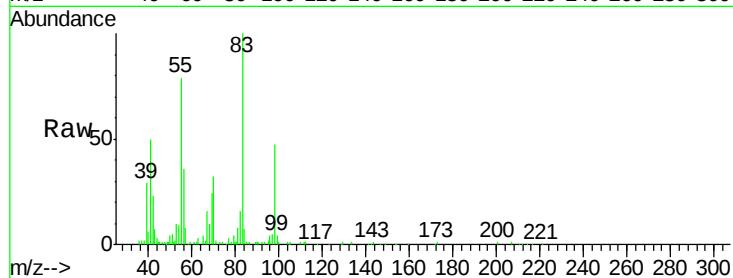




#39
Methvlcvclohexane
Concen: 4.078 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX007489.D
Acq: 12 Feb 2019 15:30

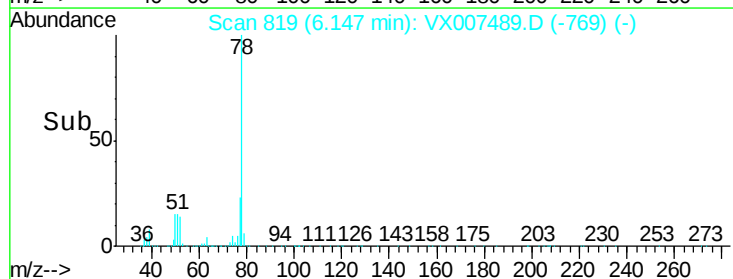
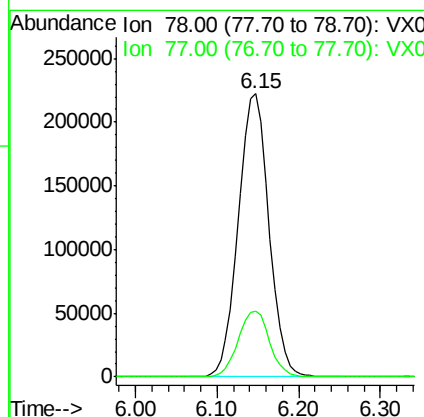
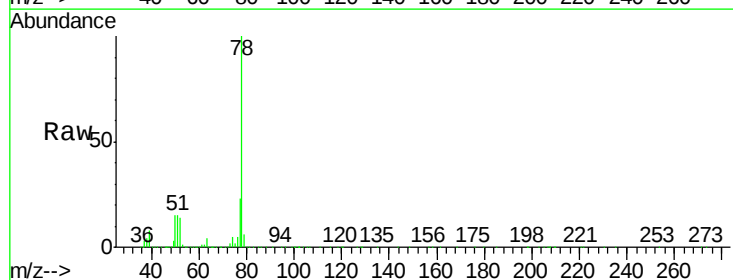
Instrument :
MSVOA_X
ClientSampleId :
KY001MW022-190207DL

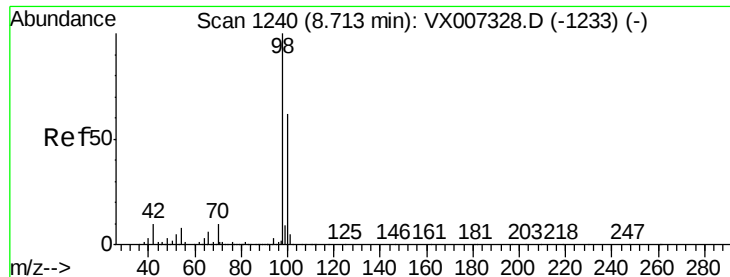
Tot Ion: 83 Resp: 35540
Ion Ratio Lower Upper
83 100
55 78.2 56.2 84.2
98 46.9 36.8 55.2



#40
Benzene
Concen: 27.268 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX007489.D
Acq: 12 Feb 2019 15:30

Tgt Ion: 78 Resp: 578596
Ion Ratio Lower Upper
78 100
77 23.2 19.3 28.9





#50

Toluene-d8

Concen: 49.540 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007489.D

Acq: 12 Feb 2019 15:30

Instrument :

MSVOA_X

ClientSampleId :

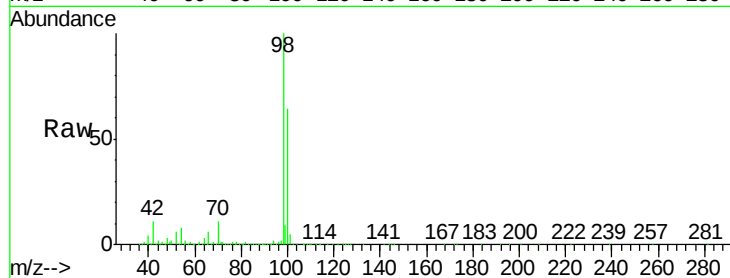
KY001MW022-190207DL

Tot Ion: 98 Resp: 960132

Ion Ratio Lower Upper

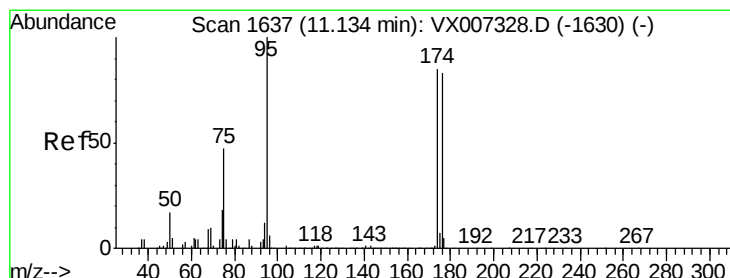
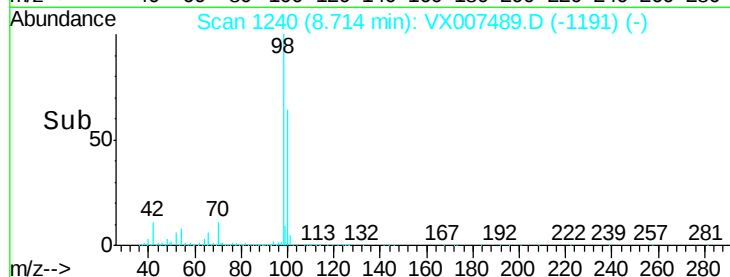
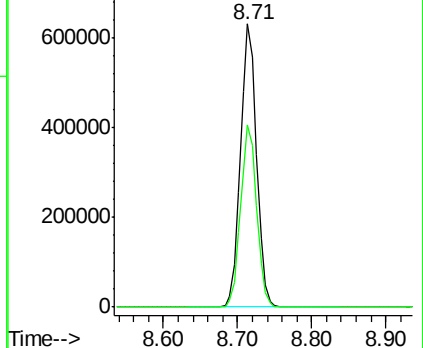
98 100

100 64.2 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 48.430 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007489.D

Acq: 12 Feb 2019 15:30

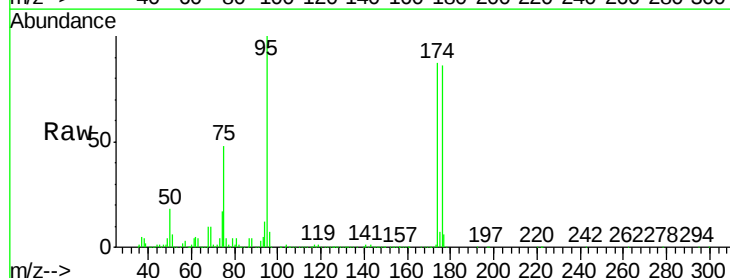
Tgt Ion: 95 Resp: 342689

Ion Ratio Lower Upper

95 100

174 94.3 0.0 189.2

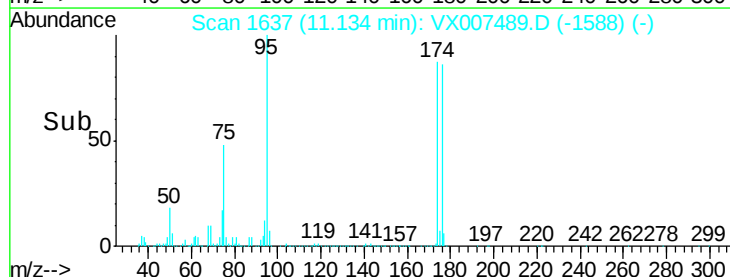
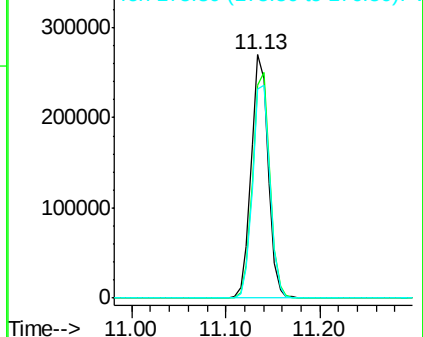
176 90.2 0.0 186.2

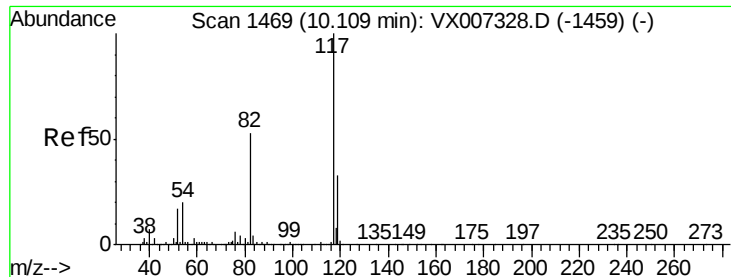


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

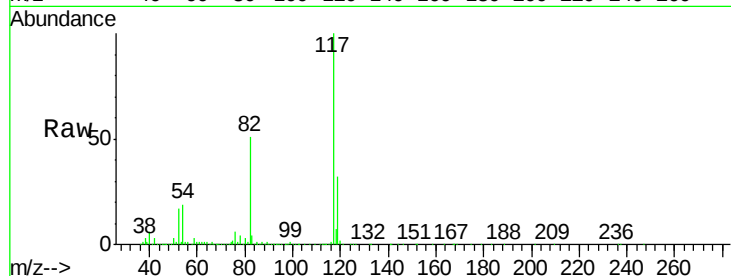




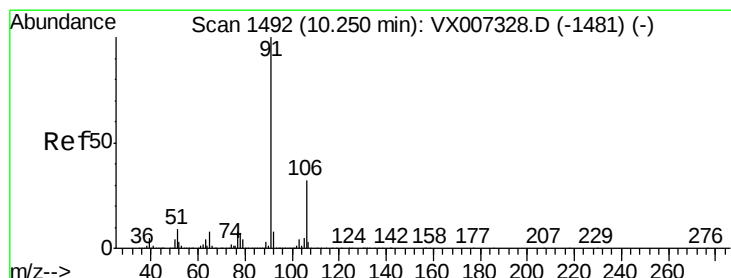
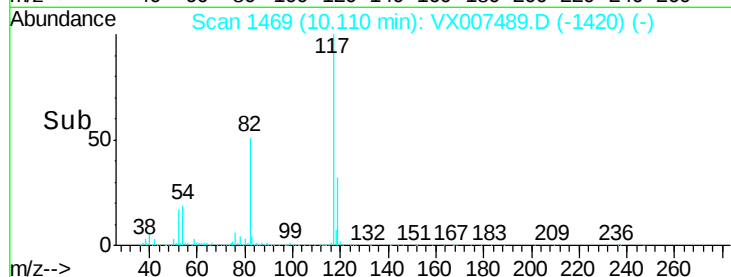
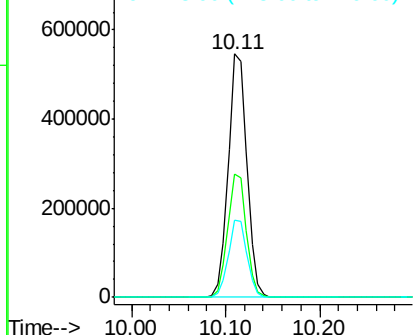
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007489.D
Acq: 12 Feb 2019 15:30

Instrument :
MSVOA_X
ClientSampleId :
KY001MW022-190207DL

Tot Ion:117 Resp: 752316
Ion Ratio Lower Upper
117 100
82 50.5 42.1 63.1
119 31.5 26.5 39.7

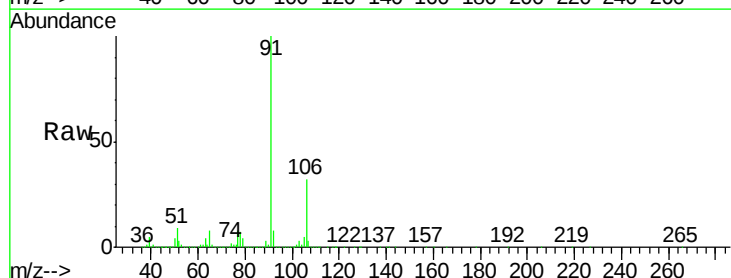


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

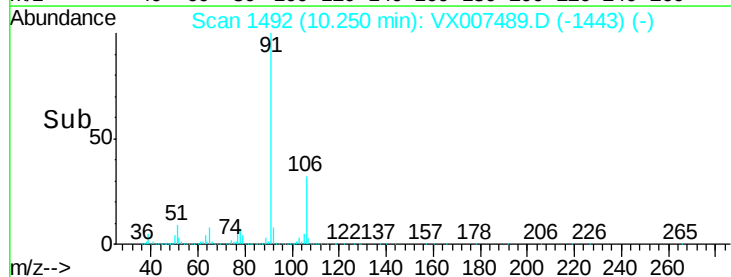
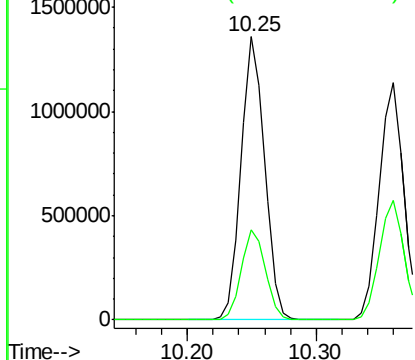


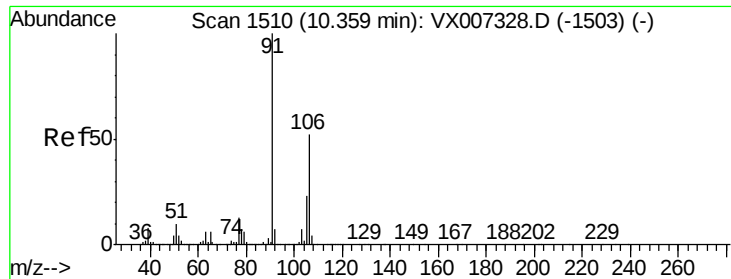
#67
Ethyl Benzene
Concen: 65.058 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX007489.D
Acq: 12 Feb 2019 15:30

Tgt Ion: 91 Resp: 1719971
Ion Ratio Lower Upper
91 100
106 31.9 25.4 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 72.225 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007489.D

Acq: 12 Feb 2019 15:30

Instrument :

MSVOA_X

ClientSampleId :

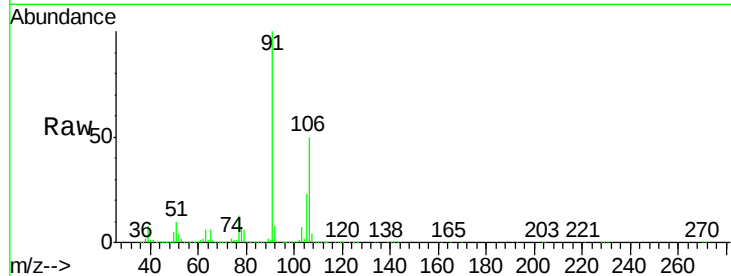
KY001MW022-190207DL

Tot Ion:106 Resp: 759028

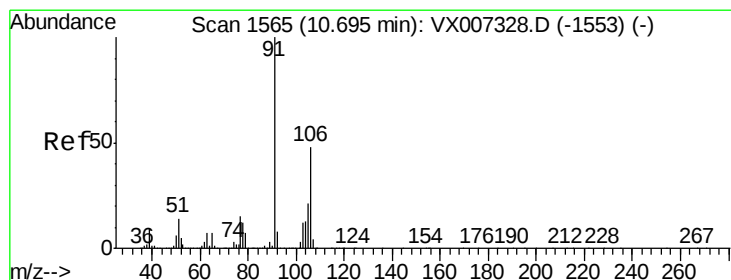
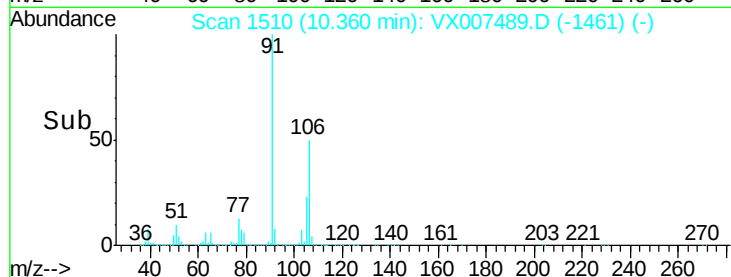
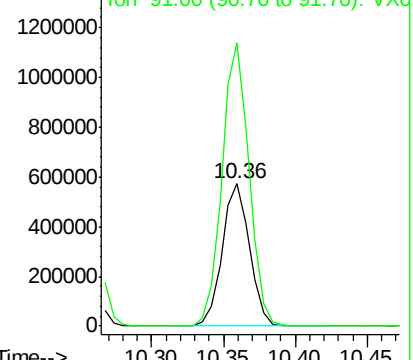
Ion Ratio Lower Upper

106 100

91 196.4 156.6 234.8



Abundance Ion 106.00 (105.70 to 106.70): V



#69

o-Xylene

Concen: 2.532 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VX007489.D

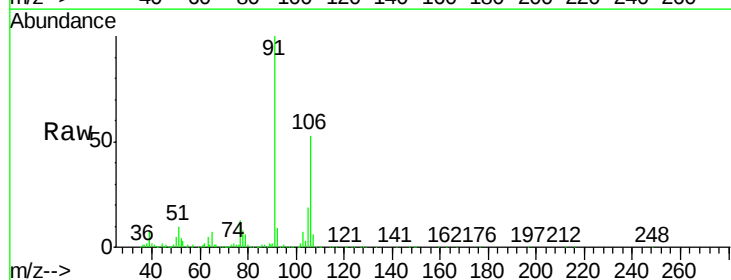
Acq: 12 Feb 2019 15:30

Tgt Ion:106 Resp: 25609

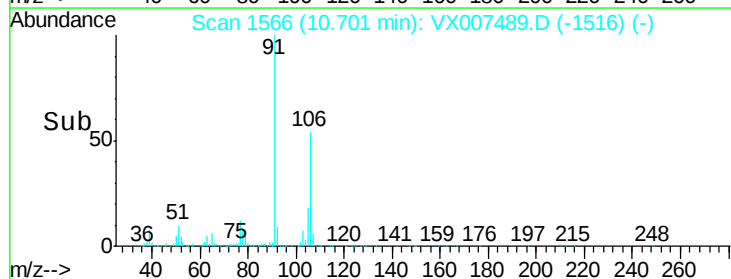
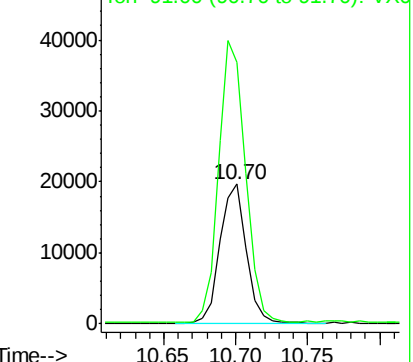
Ion Ratio Lower Upper

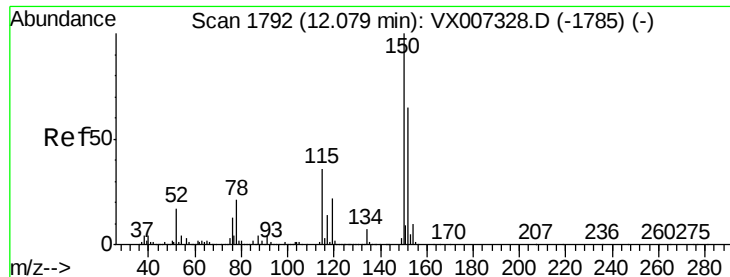
106 100

91 202.5 102.9 308.7



Abundance Ion 106.00 (105.70 to 106.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX007489.D

Acq: 12 Feb 2019 15:30

Instrument :

MSVOA_X

ClientSampleId :

KY001MW022-190207DL

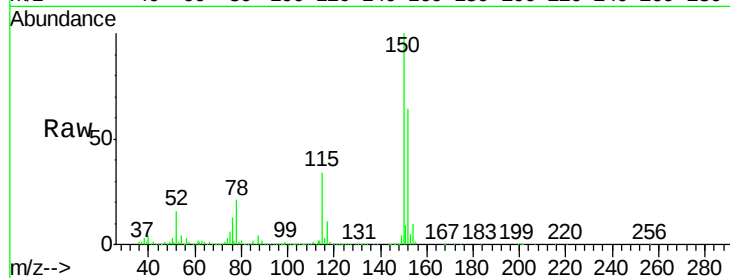
Tot Ion:152 Resp: 374442

Ion Ratio Lower Upper

152 100

115 54.4 38.0 114.0

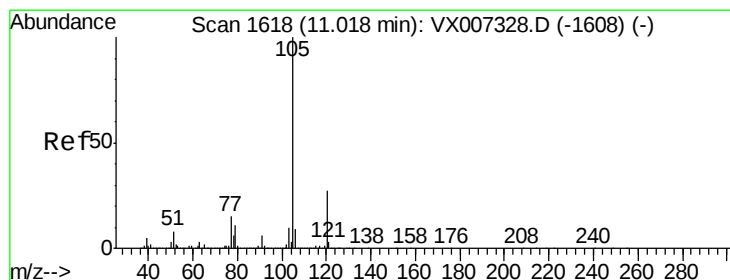
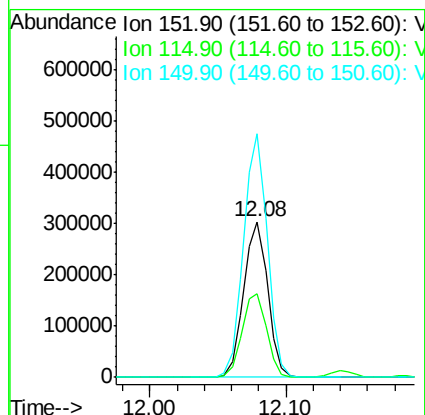
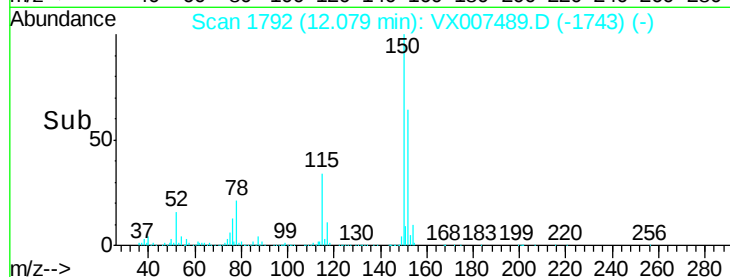
150 154.7 0.0 346.4



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



#73

Isopropylbenzene

Concen: 10.927 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007489.D

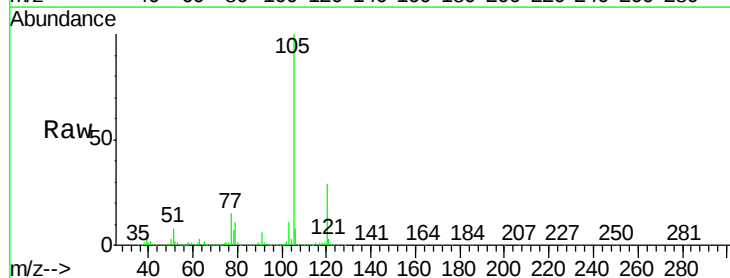
Acq: 12 Feb 2019 15:30

Tgt Ion:105 Resp: 278042

Ion Ratio Lower Upper

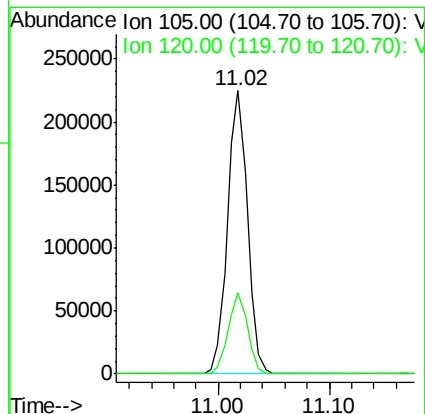
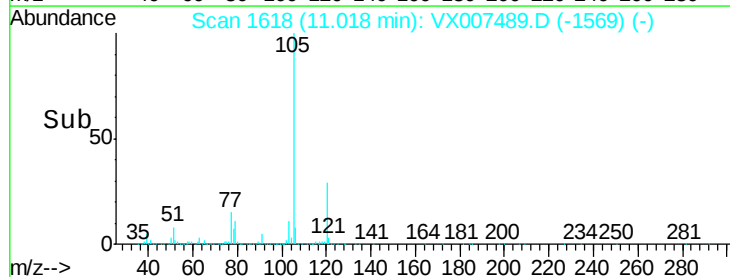
105 100

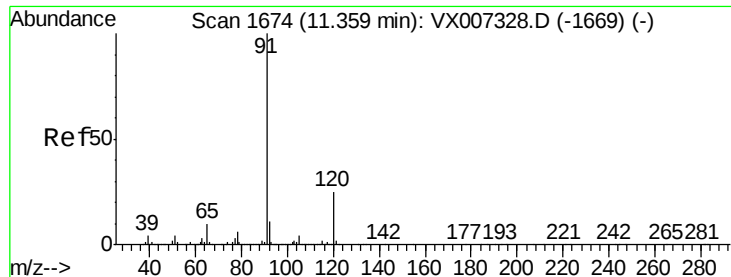
120 28.0 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 10.171 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007489.D

Acq: 12 Feb 2019 15:30

Instrument :

MSVOA_X

ClientSampleId :

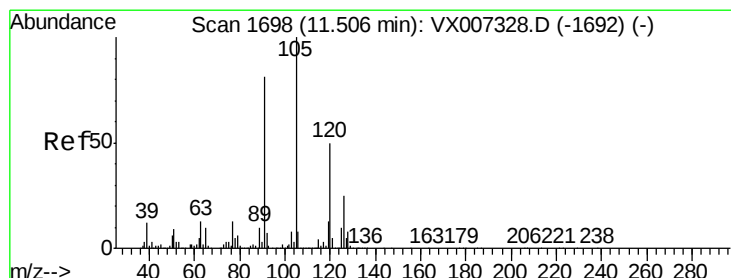
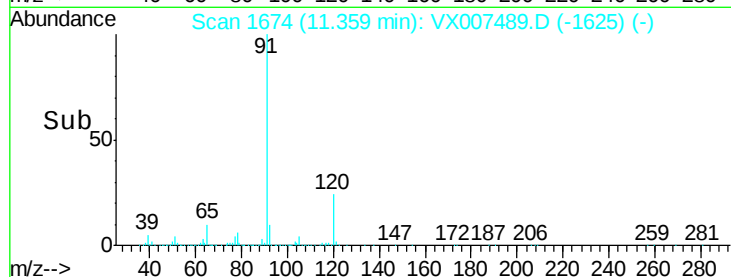
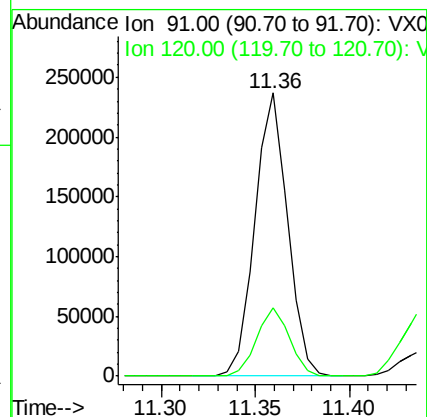
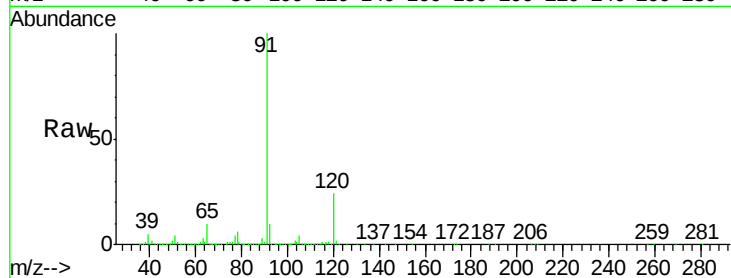
KY001MW022-190207DL

Tot Ion: 91 Resp: 283809

Ion Ratio Lower Upper

91 100

120 24.2 12.4 37.2



#80

1,3,5-Trimethylbenzene

Concen: 15.481 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007489.D

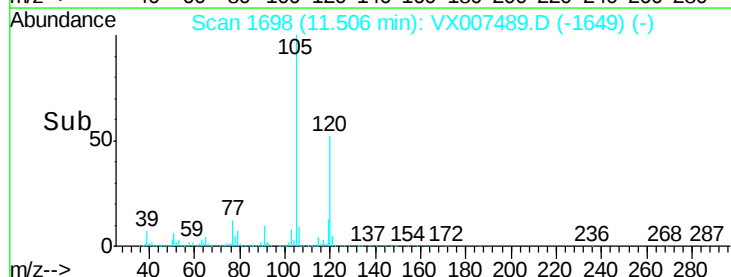
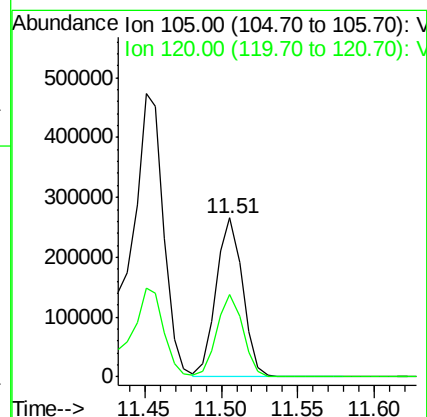
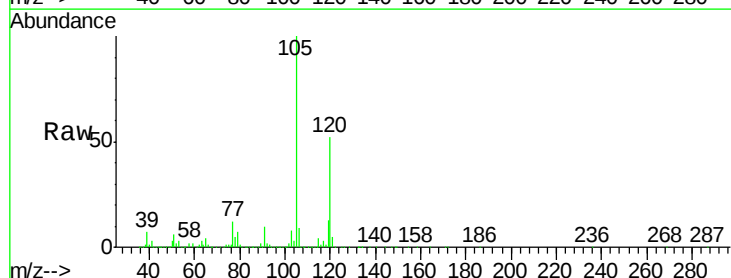
Acq: 12 Feb 2019 15:30

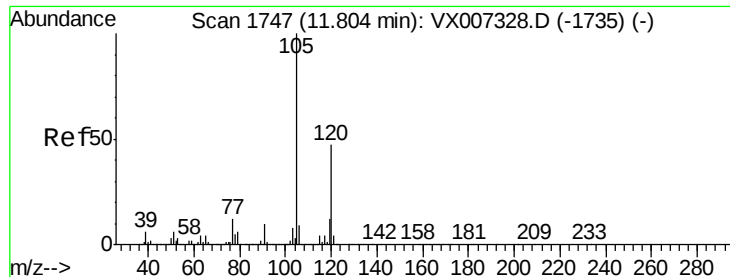
Tgt Ion: 105 Resp: 322267

Ion Ratio Lower Upper

105 100

120 50.7 25.3 75.8

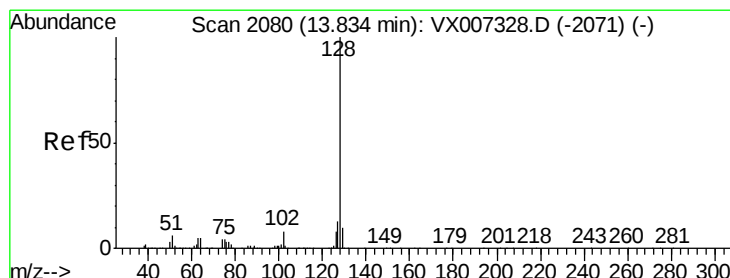
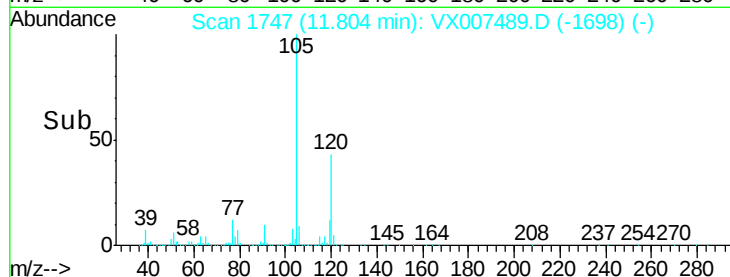
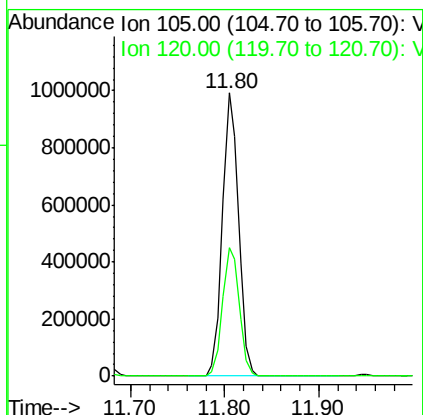
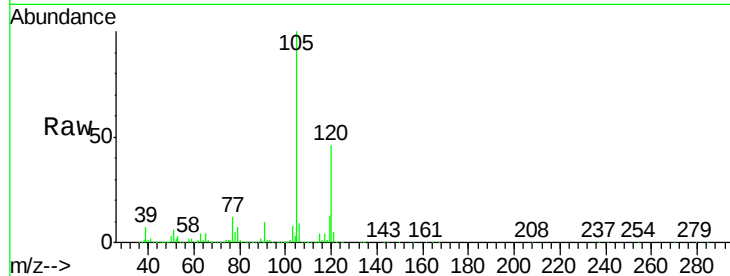




#84
 1,2,4-Trimethylbenzene
 Concen: 55.866 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX007489.D
 Acq: 12 Feb 2019 15:30

Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW022-190207DL

Tot Ion:105 Resp: 1180710
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.1 69.3



#95
 Naphthalene
 Concen: 13.891 ug/l
 RT: 13.83 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VX007489.D
 Acq: 12 Feb 2019 15:30

Tgt Ion:128 Resp: 350776
 Ion Ratio Lower Upper
 128 100
 127 13.7 10.5 15.7
 129 11.0 8.7 13.1

