

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX021219\
 Data File : VX007487.D
 Acq On : 12 Feb 2019 14:36
 Operator : JC/SP
 Sample : K1433-10DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 KY001MW031-190207DL

Quant Time: Feb 13 12:10:14 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	469849	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	739267	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	676294	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	354701	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	253717	50.87	ug/l	0.00
Spiked Amount			Recovery	=	101.74%	
35) Dibromofluoromethane	5.50	113	234178	48.68	ug/l	0.00
Spiked Amount			Recovery	=	97.36%	
50) Toluene-d8	8.71	98	880214	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	
62) 4-Bromofluorobenzene	11.13	95	319886	49.09	ug/l	0.00
Spiked Amount			Recovery	=	98.18%	

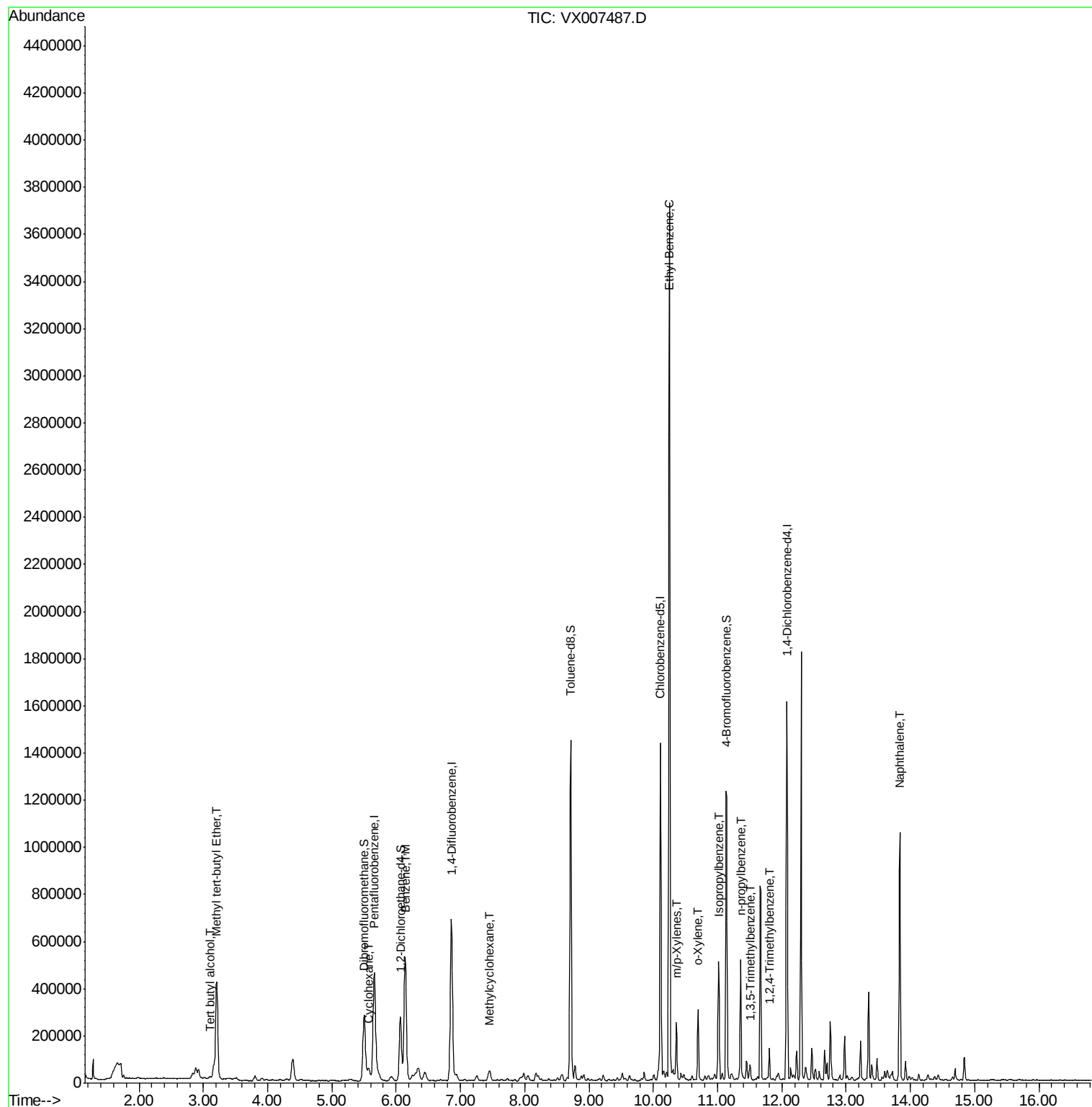
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.10	59	15405	14.926	ug/l #	73
19) Methyl tert-butyl Ether	3.21	73	472573	32.516	ug/l	99
31) Cyclohexane	5.57	56	35876	5.173	ug/l	96
39) Methylcyclohexane	7.46	83	17252	2.150	ug/l	86
40) Benzene	6.14	78	633811	32.439	ug/l	99
67) Ethyl Benzene	10.25	91	2103429	88.506	ug/l	98
68) m/p-Xylenes	10.36	106	54854	5.806	ug/l	98
69) o-Xylene	10.69	106	66148	7.276	ug/l	99
73) Isopropylbenzene	11.02	105	252765	10.487	ug/l	98
78) n-propylbenzene	11.36	91	300781	11.380	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	25709	1.304	ug/l	95
84) 1,2,4-Trimethylbenzene	11.80	105	55988	2.797	ug/l	94
95) Naphthalene	13.83	128	665742	27.831	ug/l	99

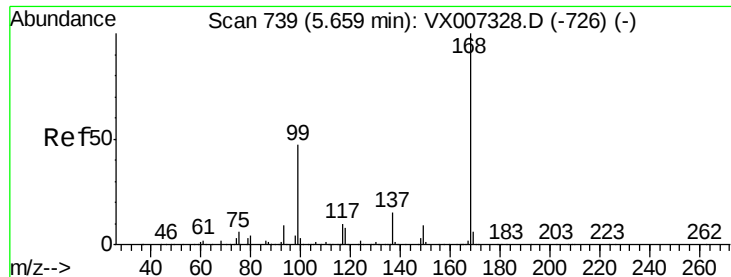
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX007487.D

Acq: 12 Feb 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

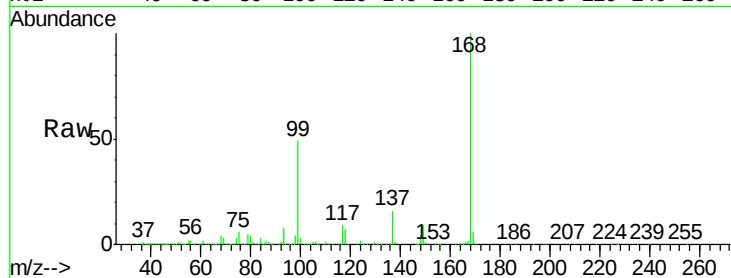
KY001MW031-190207DL

Tot Ion:168 Resp: 469849

Ion Ratio Lower Upper

168 100

99 49.0 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

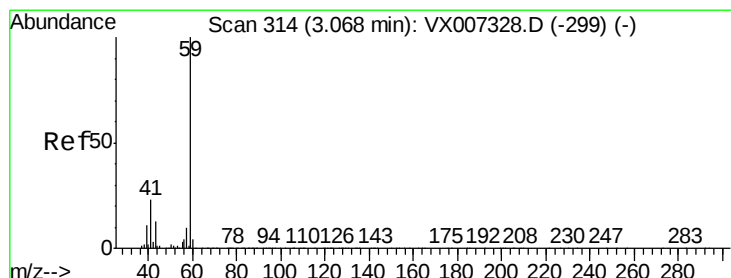
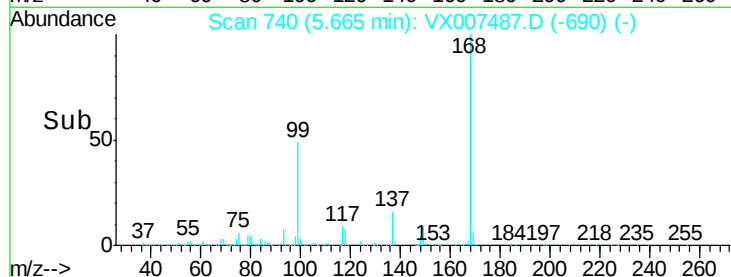
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 14.926 ug/l

RT: 3.10 min Scan# 319

Delta R.T. 0.03 min

Lab File: VX007487.D

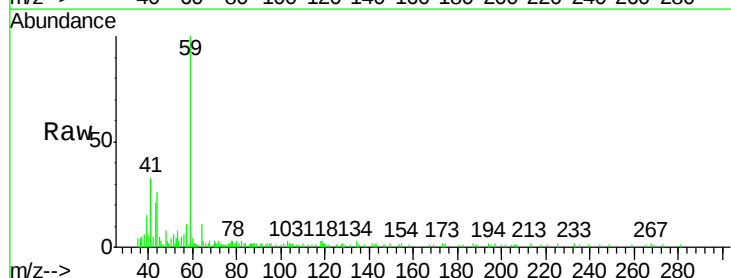
Acq: 12 Feb 2019 14:36

Tgt Ion: 59 Resp: 15405

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

50000

40000

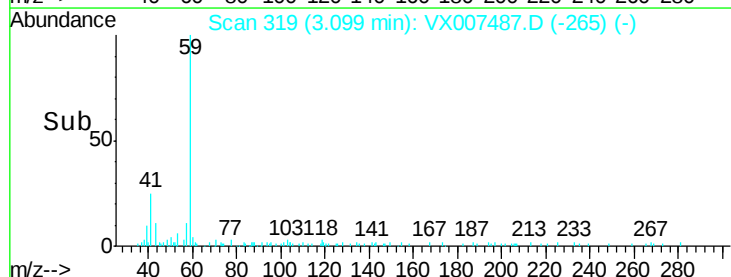
30000

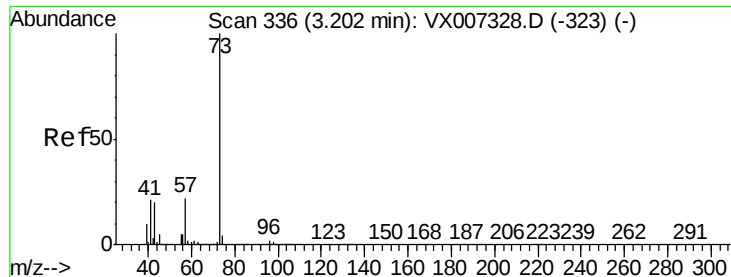
20000

10000

0

Time-->

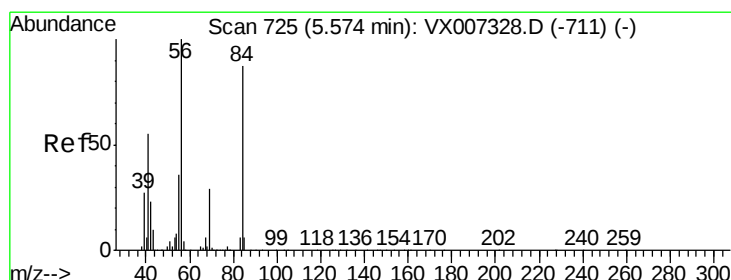
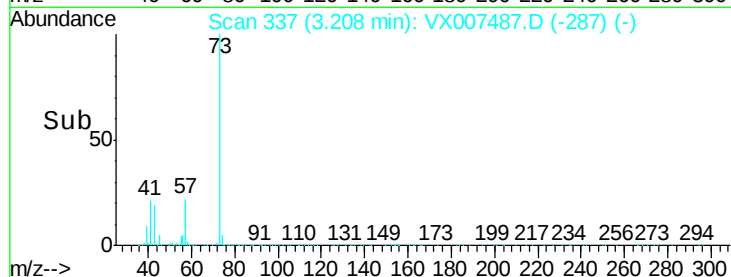
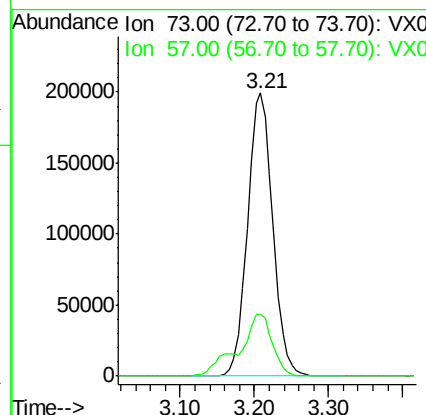
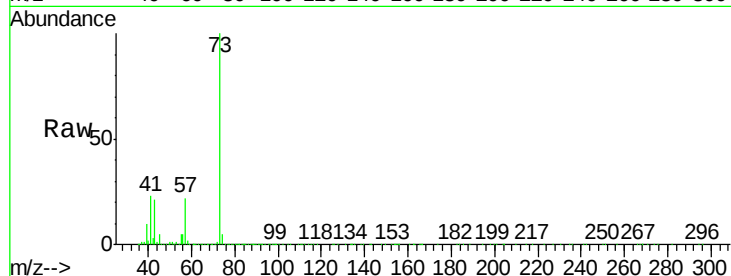




#19
Methvl tert-butvl Ether
Concen: 32.516 ug/l
RT: 3.21 min Scan# 337
Delta R.T. 0.01 min
Lab File: VX007487.D
Acq: 12 Feb 2019 14:36

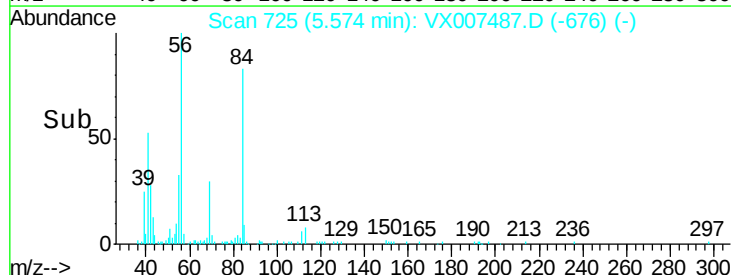
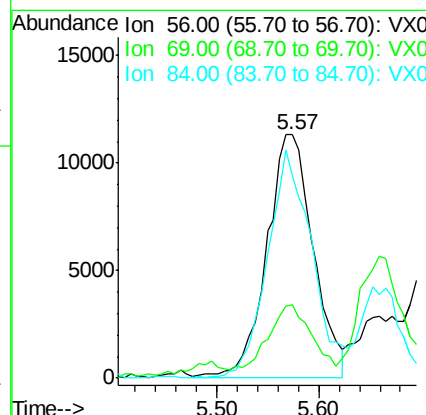
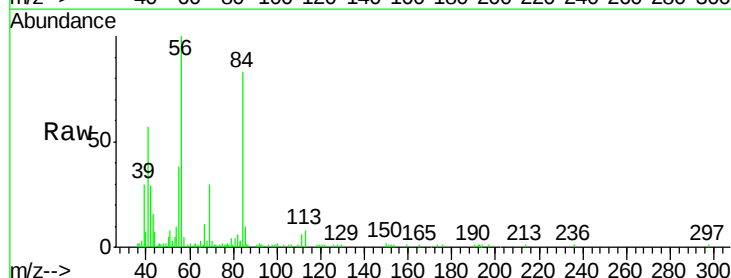
Instrument :
MSVOA_X
ClientSampleId :
KY001MW031-190207DL

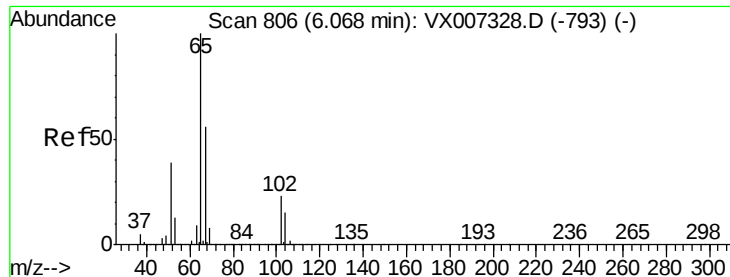
Tot Ion: 73 Resp: 472573
Ion Ratio Lower Upper
73 100
57 21.9 17.8 26.8



#31
Cyclohexane
Concen: 5.173 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.00 min
Lab File: VX007487.D
Acq: 12 Feb 2019 14:36

Tgt Ion: 56 Resp: 35876
Ion Ratio Lower Upper
56 100
69 26.8 23.0 34.6
84 84.0 69.8 104.6





#33

1,2-Dichloroethane-d4

Concen: 50.875 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007487.D

Acq: 12 Feb 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

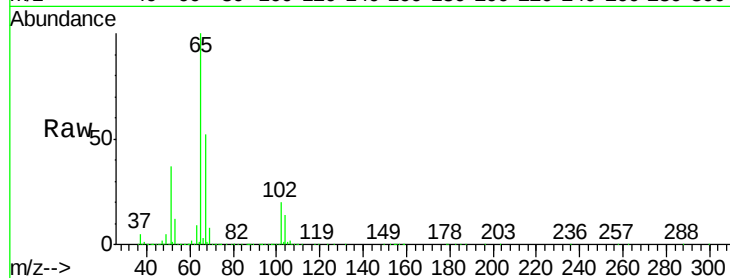
KY001MW031-190207DL

Tot Ion: 65 Resp: 253717

Ion Ratio Lower Upper

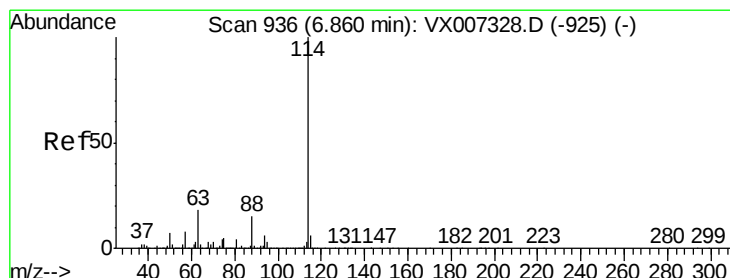
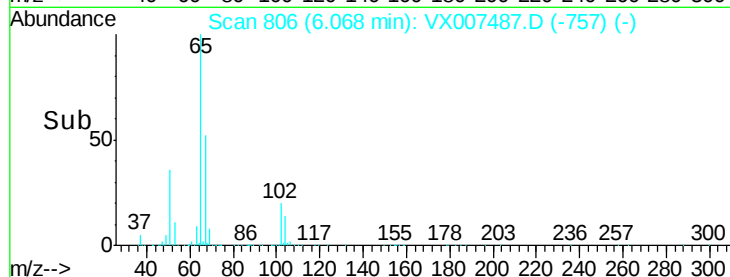
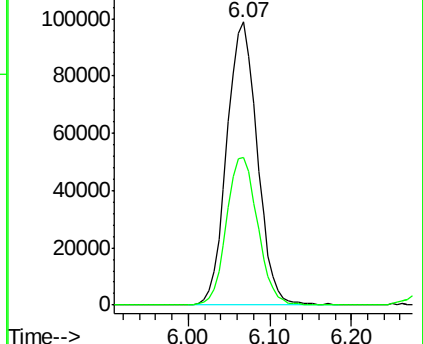
65 100

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: VX007487.D

Acq: 12 Feb 2019 14:36

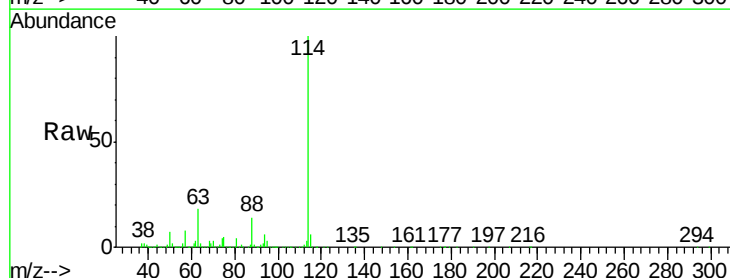
Tgt Ion: 114 Resp: 739267

Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.6

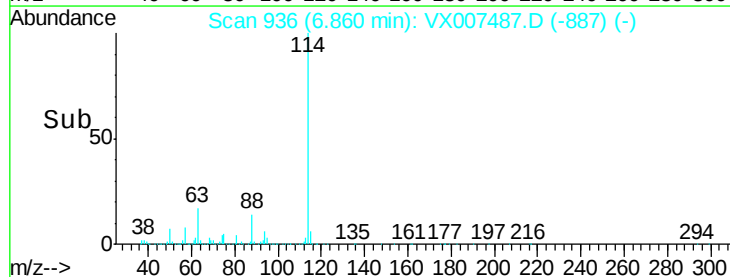
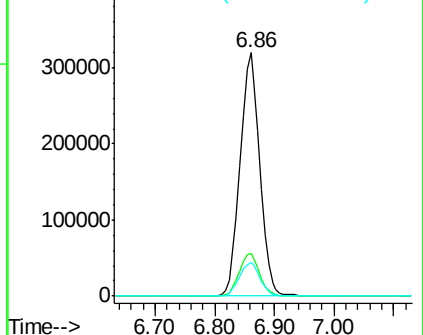
88 13.9 0.0 29.6

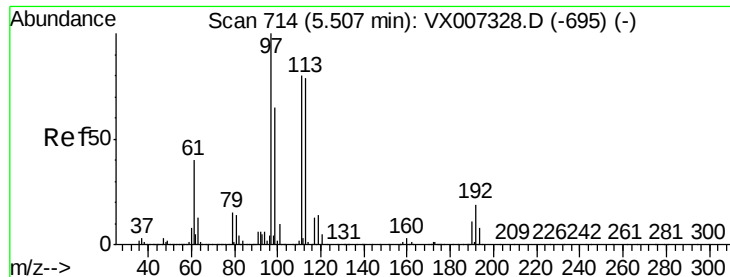


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.684 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.01 min

Lab File: VX007487.D

Acq: 12 Feb 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

KY001MW031-190207DL

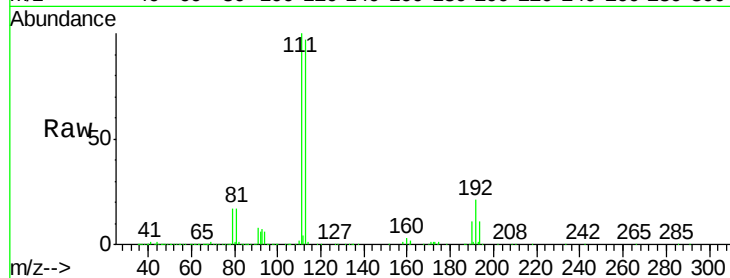
Tot Ion:113 Resp: 234178

Ion Ratio Lower Upper

113 100

111 101.2 81.8 122.8

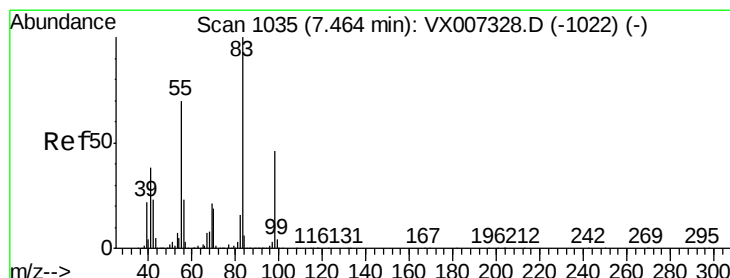
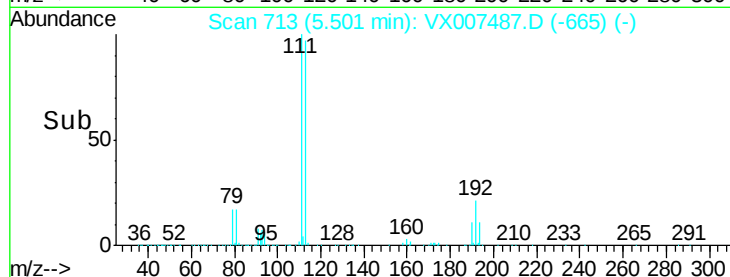
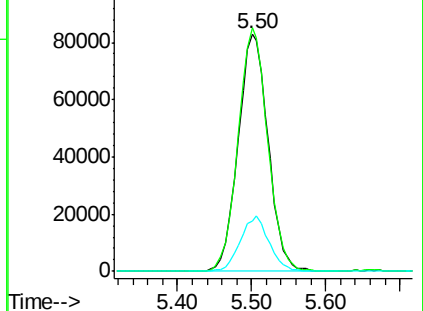
192 22.2 18.5 27.7



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

Methylcyclohexane

Concen: 2.150 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. -0.01 min

Lab File: VX007487.D

Acq: 12 Feb 2019 14:36

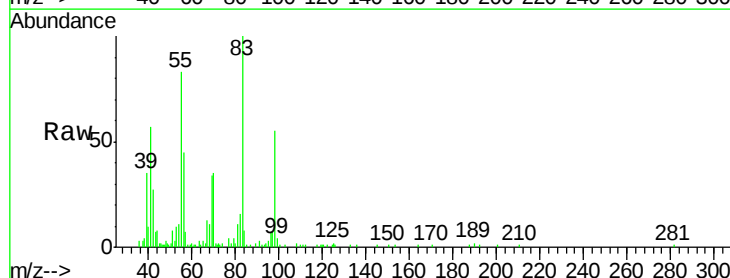
Tgt Ion: 83 Resp: 17252

Ion Ratio Lower Upper

83 100

55 81.9 56.2 84.2

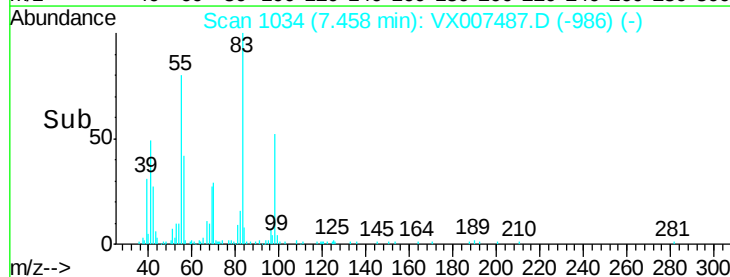
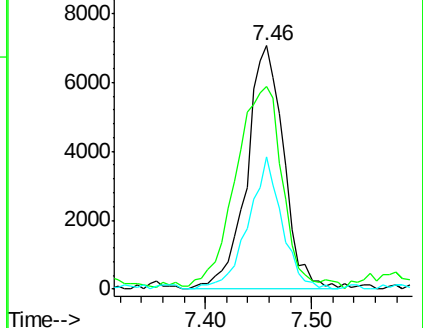
98 54.5 36.8 55.2

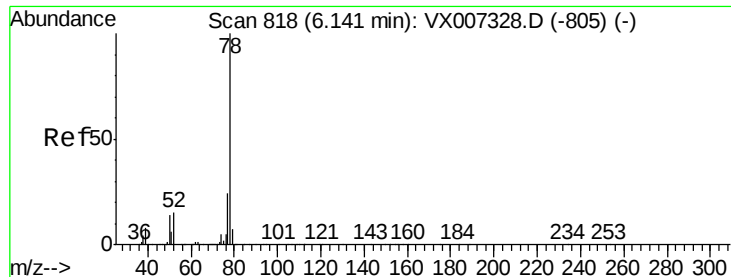


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 32.439 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX007487.D

Acq: 12 Feb 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

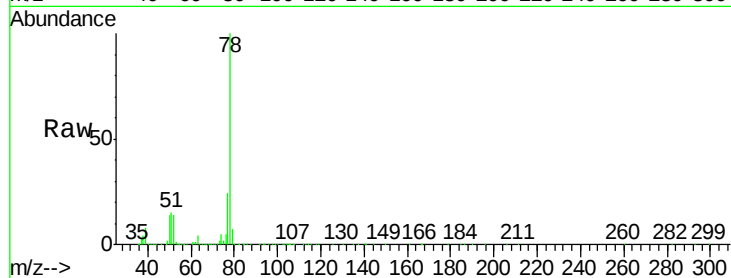
KY001MW031-190207DL

Tot Ion: 78 Resp: 633811

Ion Ratio Lower Upper

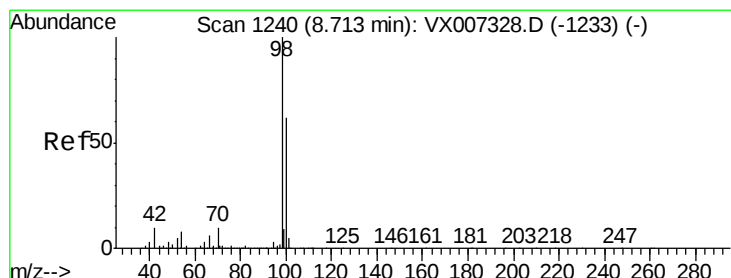
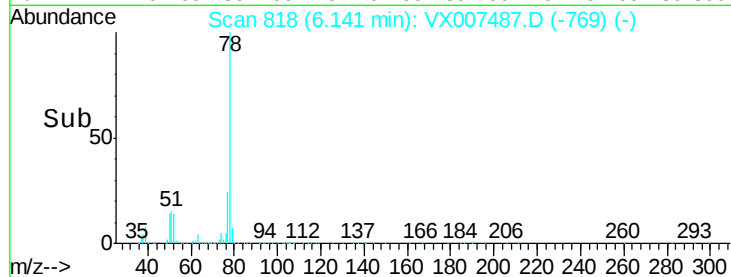
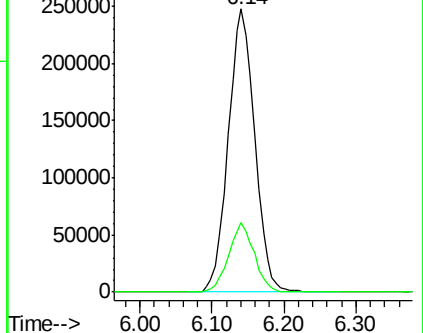
78 100

77 24.5 19.3 28.9



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 49.321 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007487.D

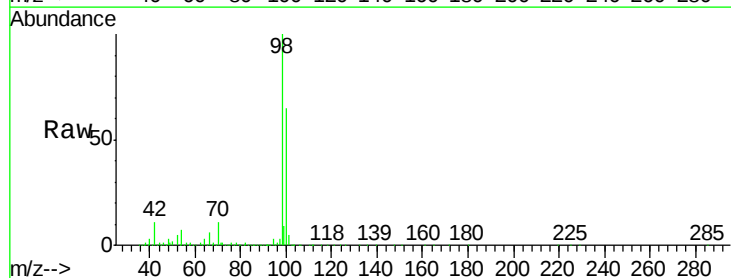
Acq: 12 Feb 2019 14:36

Tgt Ion: 98 Resp: 880214

Ion Ratio Lower Upper

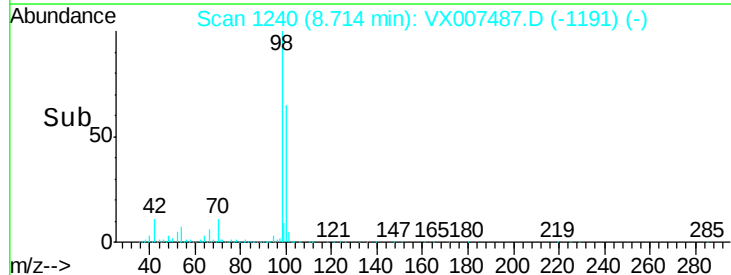
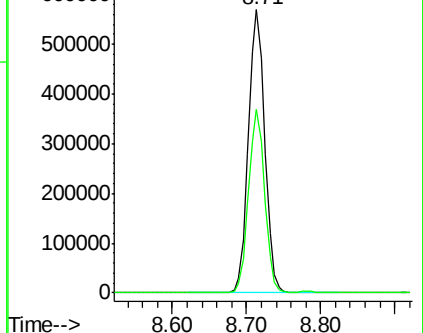
98 100

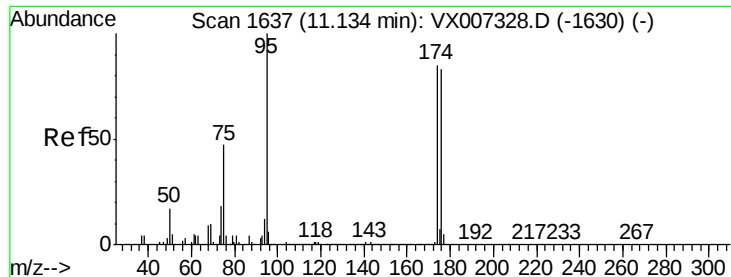
100 63.8 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 49.094 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007487.D

Acq: 12 Feb 2019 14:36

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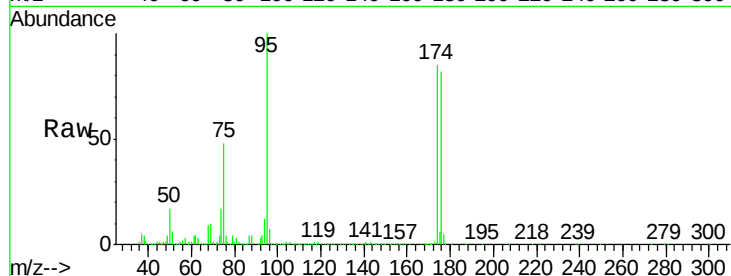
Tot Ion: 95 Resp: 319886

Ion Ratio Lower Upper

95 100

174 92.7 0.0 189.2

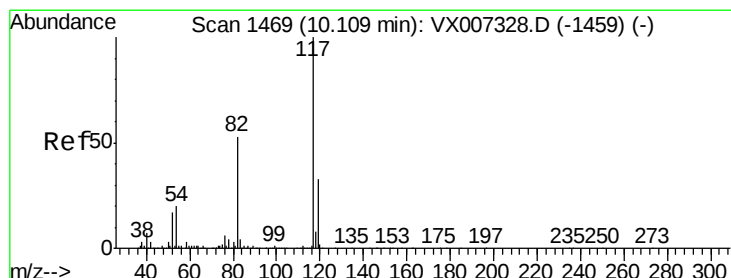
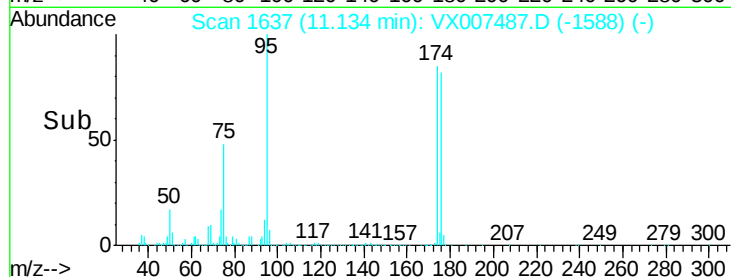
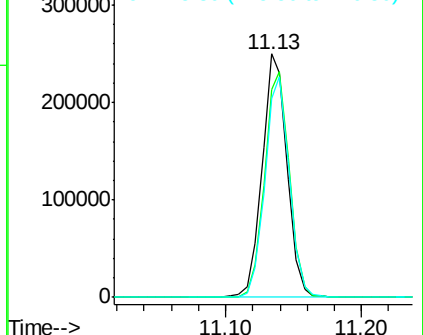
176 89.4 0.0 186.2



Abundance Ion 94.90 (94.60 to 95.60): VX007487.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX007487.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX007487.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX007487.D

Acq: 12 Feb 2019 14:36

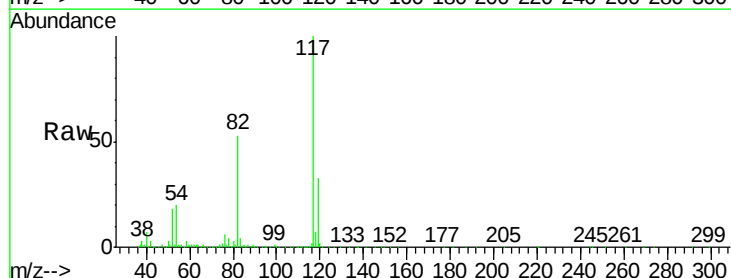
Tgt Ion: 117 Resp: 676294

Ion Ratio Lower Upper

117 100

82 52.8 42.1 63.1

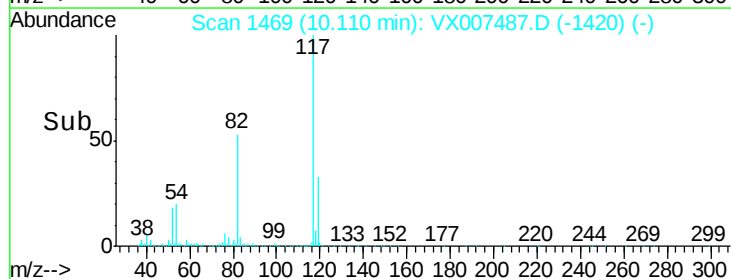
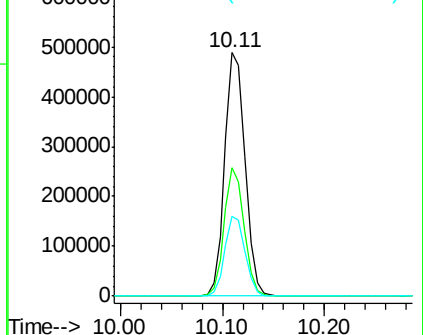
119 32.6 26.5 39.7

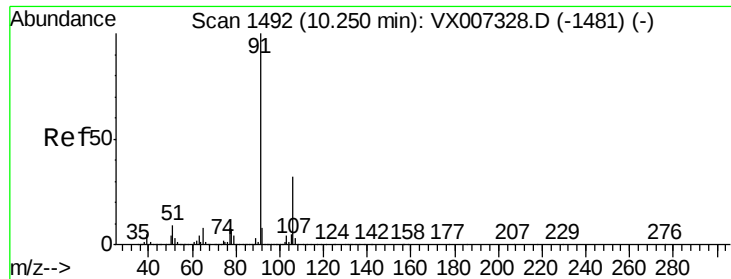


Abundance Ion 116.90 (116.60 to 117.60): VX007487.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX007487.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX007487.D (-1420) (-)





#67

Ethyl Benzene

Concen: 88.506 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX007487.D

Acq: 12 Feb 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

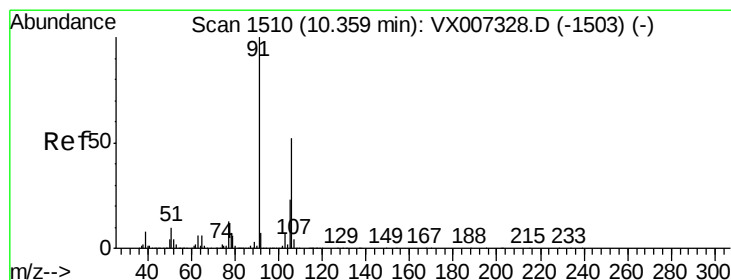
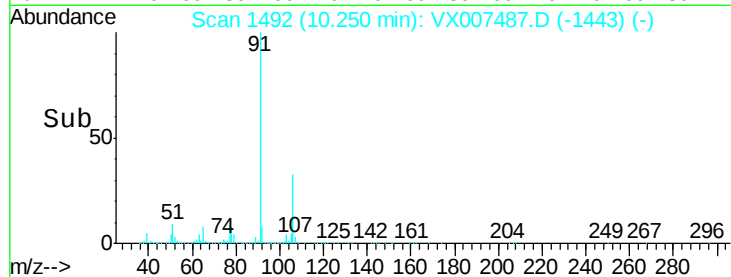
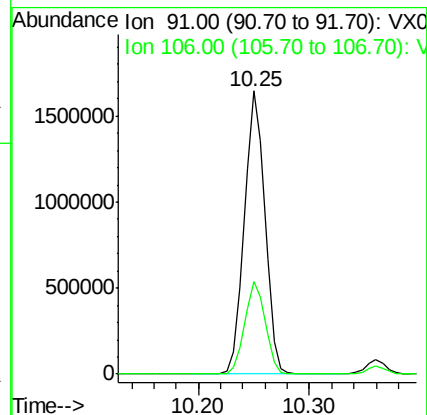
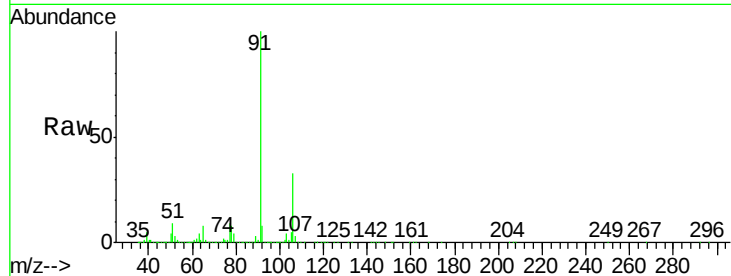
KY001MW031-190207DL

Tot Ion: 91 Resp: 2103429

Ion Ratio Lower Upper

91 100

106 32.7 25.4 38.0



#68

m/p-Xylenes

Concen: 5.806 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX007487.D

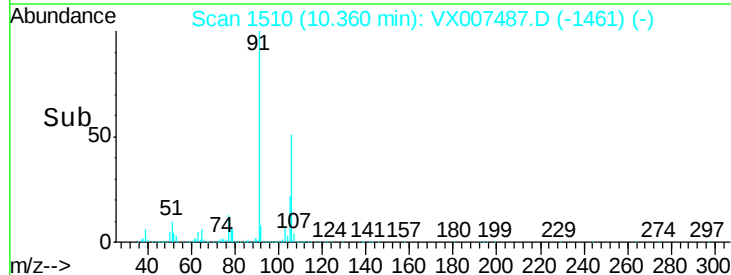
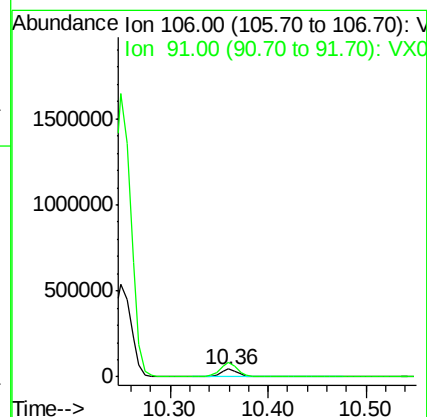
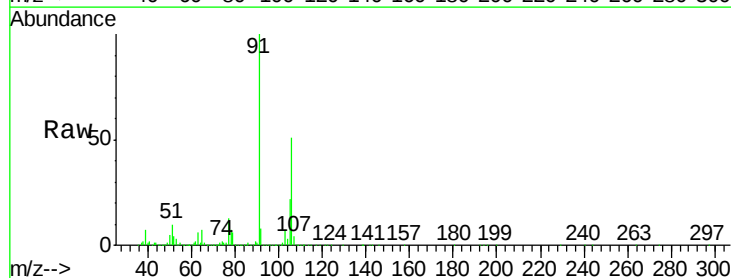
Acq: 12 Feb 2019 14:36

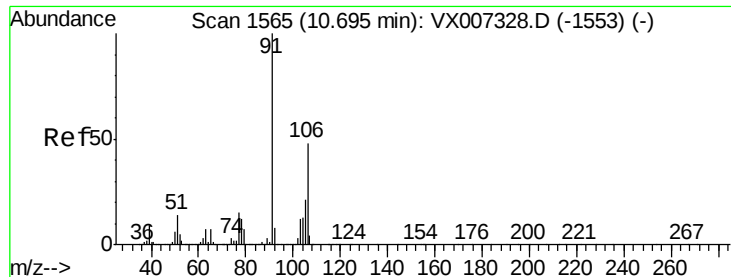
Tgt Ion: 106 Resp: 54854

Ion Ratio Lower Upper

106 100

91 193.0 156.6 234.8

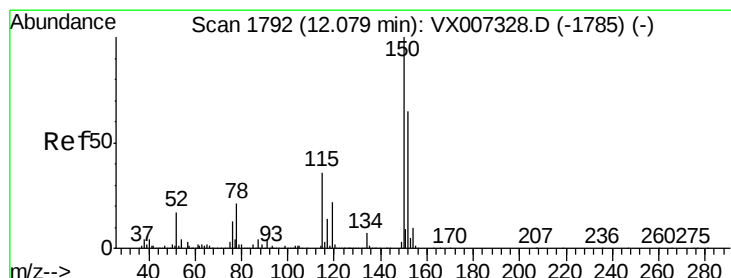
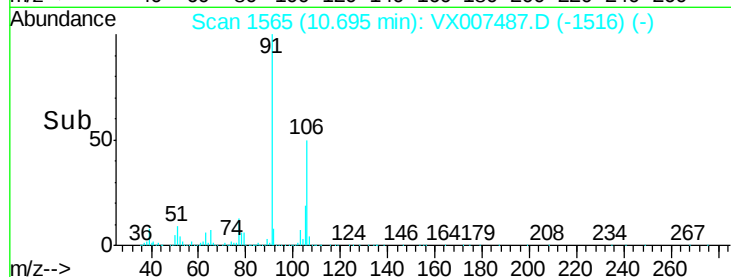
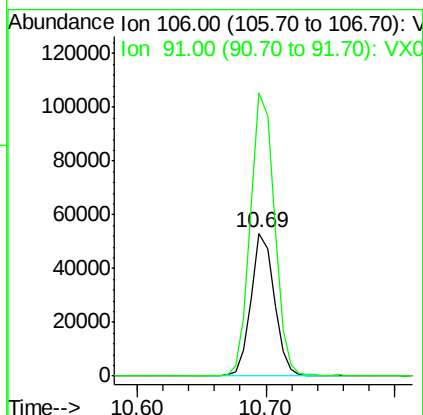
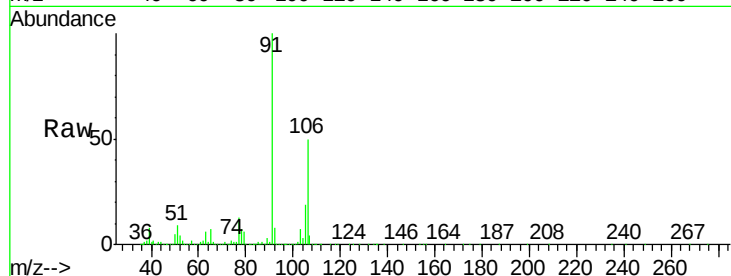




#69
o-Xylene
Concen: 7.276 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX007487.D
Acq: 12 Feb 2019 14:36

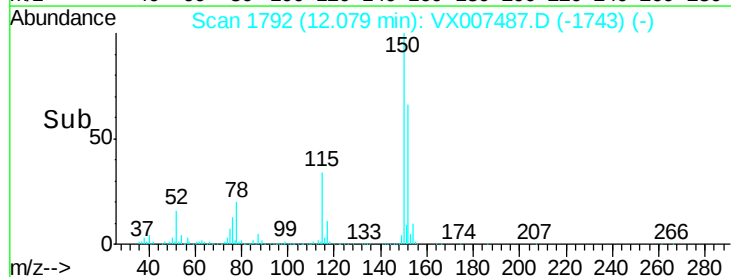
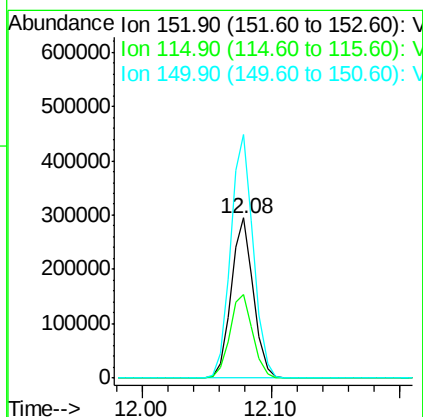
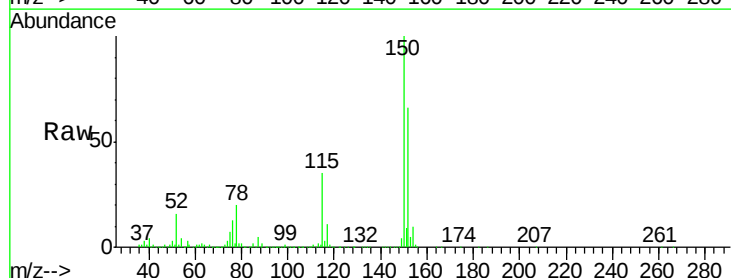
Instrument :
MSVOA_X
ClientSampleId :
KY001MW031-190207DL

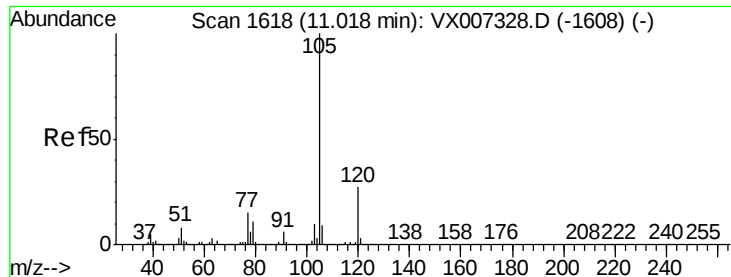
Tot Ion:106 Resp: 66148
Ion Ratio Lower Upper
106 100
91 204.6 102.9 308.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007487.D
Acq: 12 Feb 2019 14:36

Tgt Ion:152 Resp: 354701
Ion Ratio Lower Upper
152 100
115 54.1 38.0 114.0
150 155.5 0.0 346.4





#73

Isopropylbenzene

Concen: 10.487 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX007487.D

Acq: 12 Feb 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

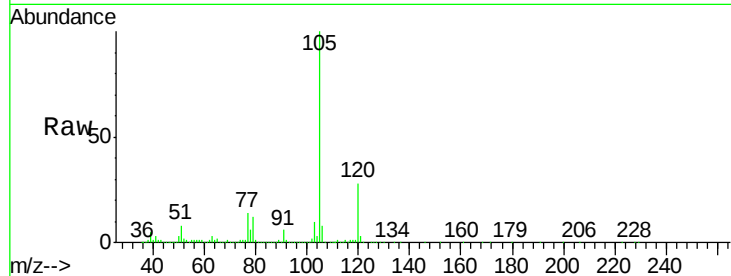
KY001MW031-190207DL

Tot Ion:105 Resp: 252765

Ion Ratio Lower Upper

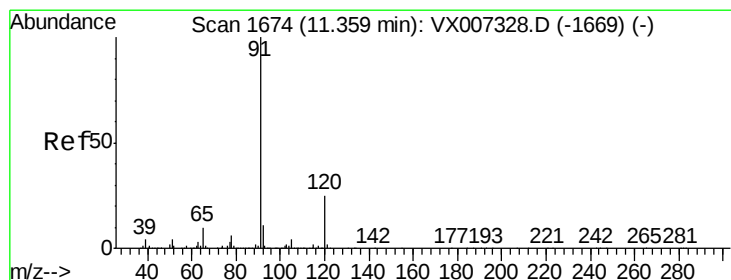
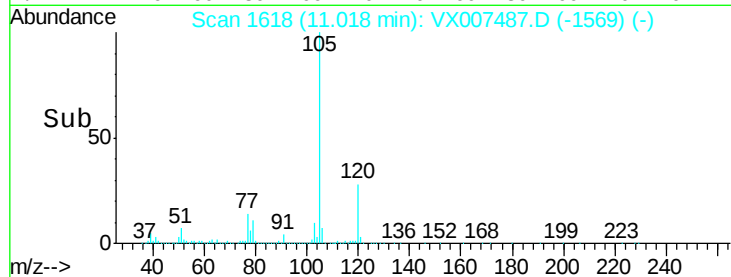
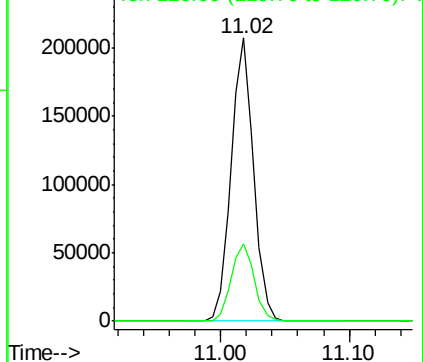
105 100

120 28.2 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: 11.380 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX007487.D

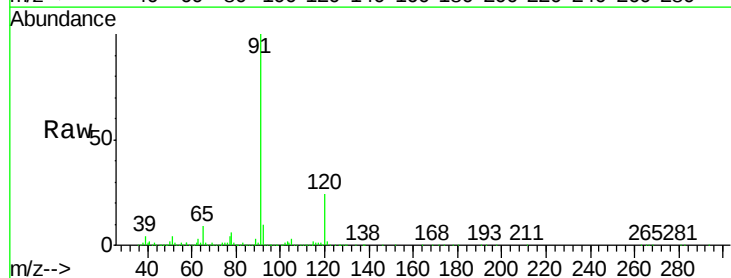
Acq: 12 Feb 2019 14:36

Tgt Ion: 91 Resp: 300781

Ion Ratio Lower Upper

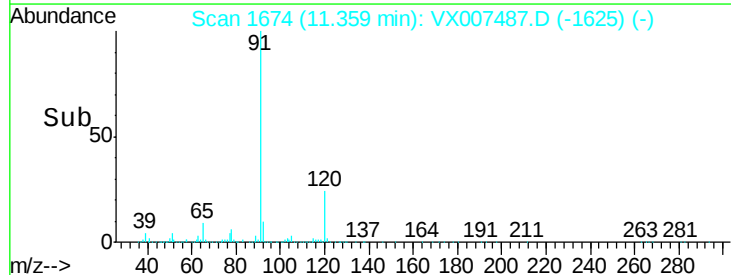
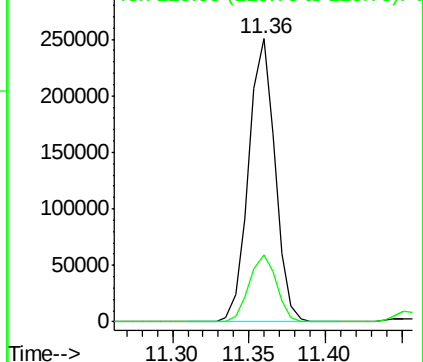
91 100

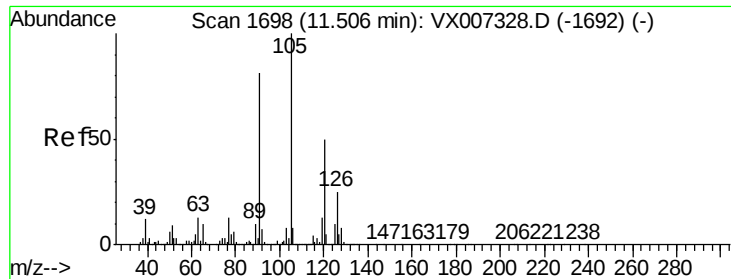
120 24.6 12.4 37.2



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: 1.304 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX007487.D

Acq: 12 Feb 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

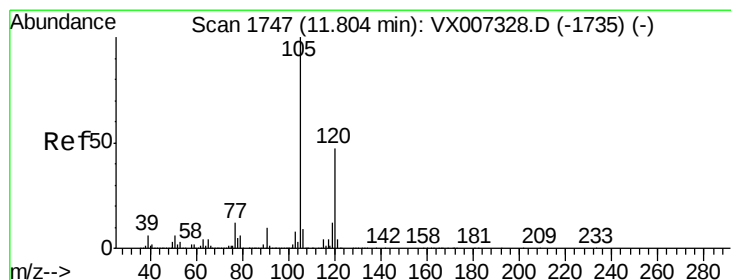
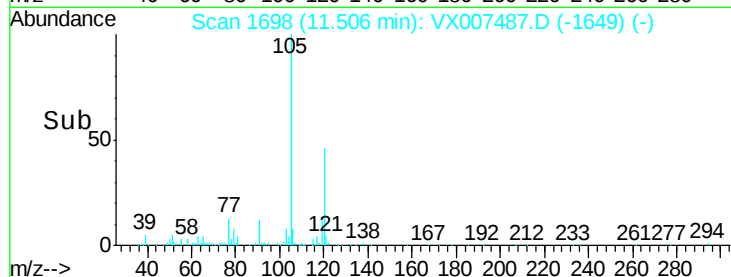
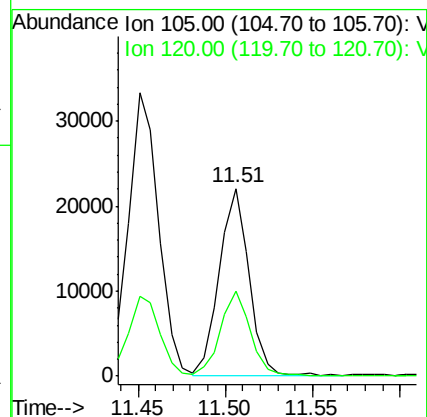
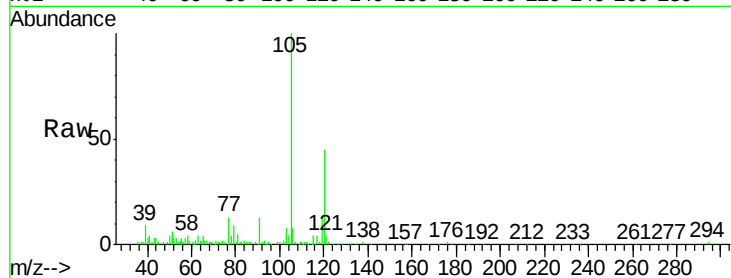
KY001MW031-190207DL

Tot Ion:105 Resp: 25709

Ion Ratio Lower Upper

105 100

120 46.9 25.3 75.8



#84

1,2,4-Trimethylbenzene

Concen: 2.797 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX007487.D

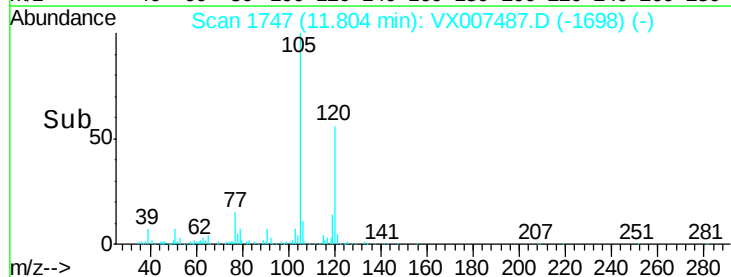
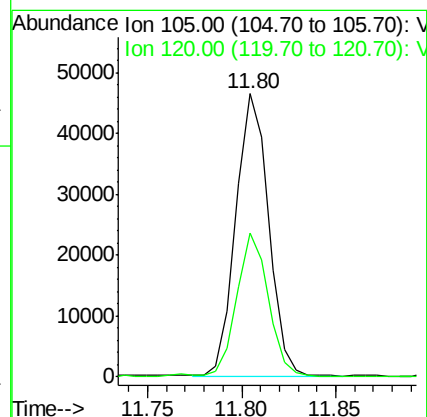
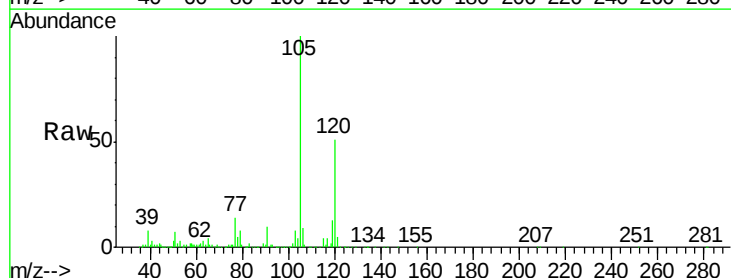
Acq: 12 Feb 2019 14:36

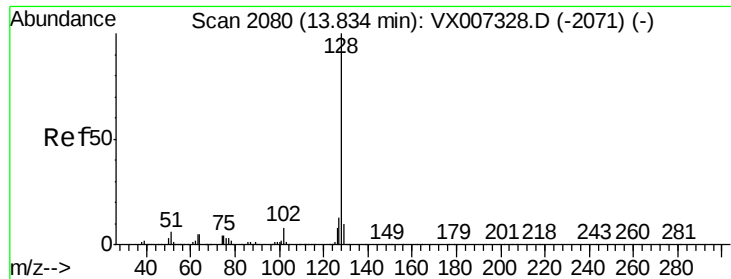
Tgt Ion:105 Resp: 55988

Ion Ratio Lower Upper

105 100

120 49.9 23.1 69.3





#95

Naphthalene

Concen: 27.831 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX007487.D

Acq: 12 Feb 2019 14:36

Instrument :

MSVOA_X

ClientSampleId :

KY001MW031-190207DL

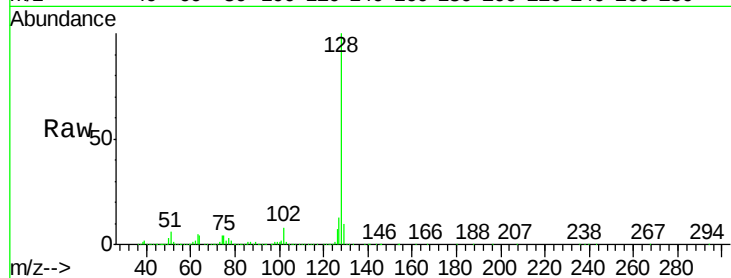
Tot Ion:128 Resp: 665742

Ion Ratio Lower Upper

128 100

127 12.8 10.5 15.7

129 10.8 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

