

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081418\
 Data File : VX004031.D
 Acq On : 14 Aug 2018 15:31
 Operator : JC/MD
 Sample : J4429-01DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0566DL

Quant Time: Aug 15 13:14:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 13:27:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	286646	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	444406	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	407135	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	252473	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	194138	48.07	ug/l	0.00
Spiked Amount			Recovery	=	96.14%	
35) Dibromofluoromethane	5.50	113	162431	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	
50) Toluene-d8	8.71	98	639902	47.45	ug/l	0.00
Spiked Amount			Recovery	=	94.90%	
62) 4-Bromofluorobenzene	11.14	95	234600	47.97	ug/l	0.00
Spiked Amount			Recovery	=	95.94%	

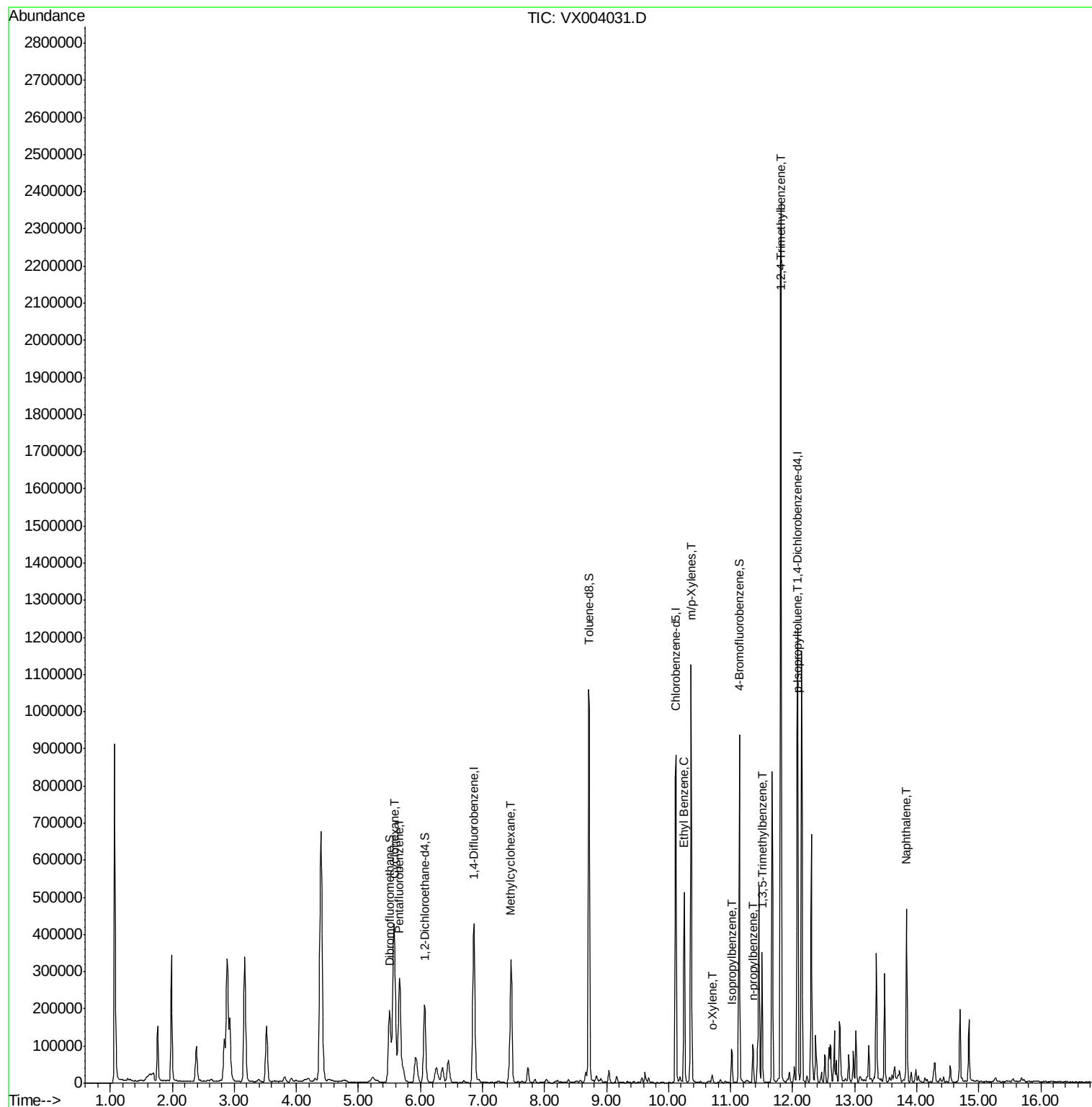
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.57	56	297084	53.21	ug/l	97
39) Methylcyclohexane	7.46	83	141276	24.63	ug/l	97
67) Ethyl Benzene	10.26	91	302171	18.14	ug/l	94
68) m/p-Xylenes	10.36	106	261693	40.13	ug/l	94
69) o-Xylene	10.70	106	4645	0.75	ug/l	91
73) Isopropylbenzene	11.02	105	45907	2.69	ug/l	98
78) n-propylbenzene	11.36	91	60540	3.17	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	142261	10.17	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	1034208	71.38	ug/l	100
86) p-Isopropyltoluene	12.07	119	17242	1.15	ug/l	92
95) Naphthalene	13.83	128	275050	16.37	ug/l	100

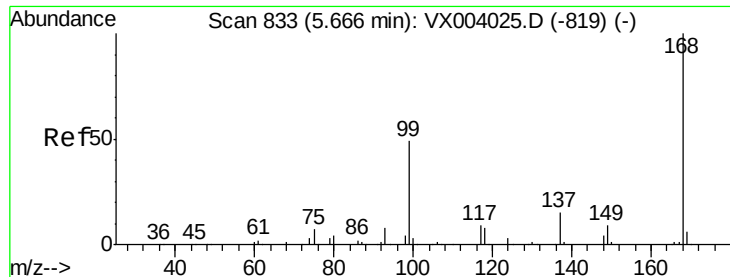
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX081418\
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Instrument :
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ClientSampleId :
FL-0566DL

Quant Time: Aug 15 13:14:15 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X081418W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 14 13:27:25 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX004031.D

Acq: 14 Aug 2018 15:31

Instrument :

MSVOA_X

ClientSampled :

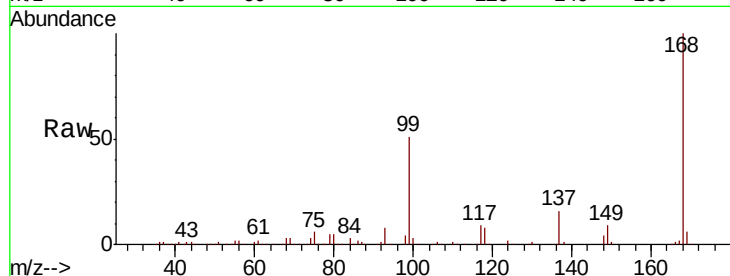
FL-0566DL

Tot Ion:168 Resp: 286646

Ion Ratio Lower Upper

168 100

99 51.2 40.1 60.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

60000

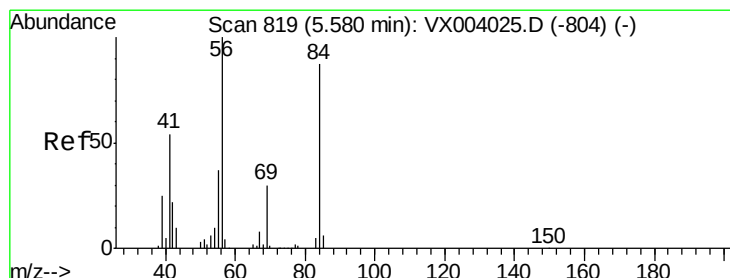
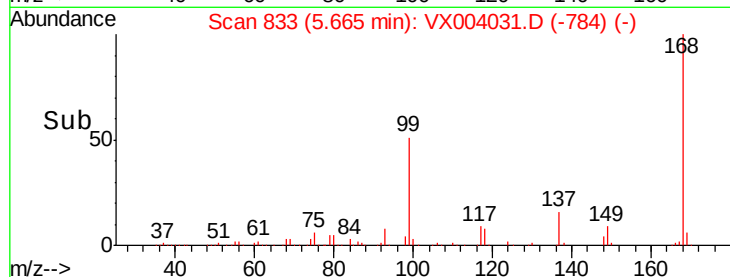
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#31

Cyclohexane

Concen: 53.21 ug/l

RT: 5.57 min Scan# 818

Delta R.T. -0.01 min

Lab File: VX004031.D

Acq: 14 Aug 2018 15:31

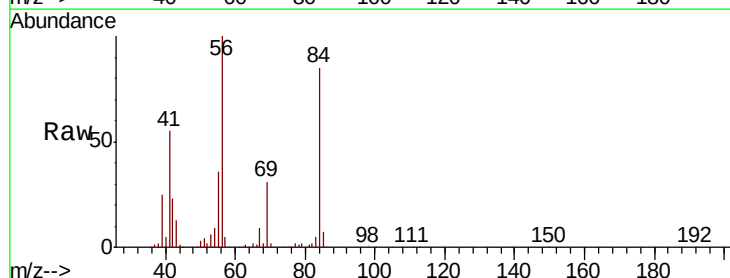
Tgt Ion: 56 Resp: 297084

Ion Ratio Lower Upper

56 100

69 30.6 24.9 37.3

84 85.6 71.7 107.5



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

5.57

120000

100000

80000

60000

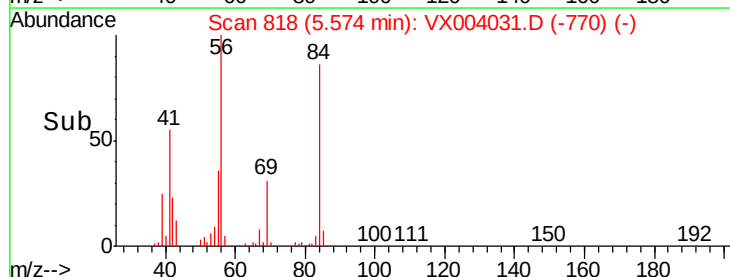
40000

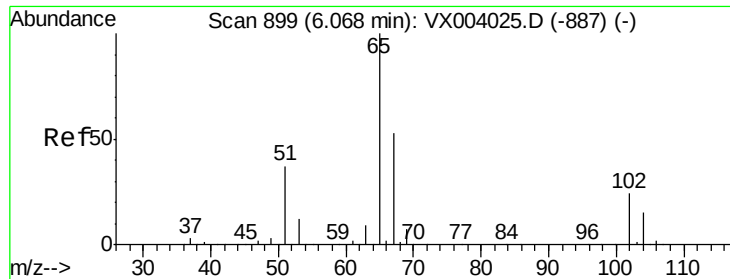
20000

0

Time-->

5.50 5.60 5.70

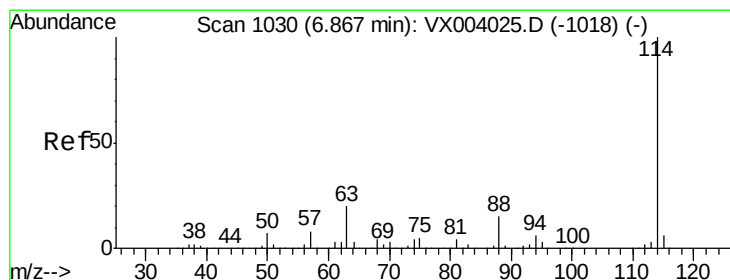
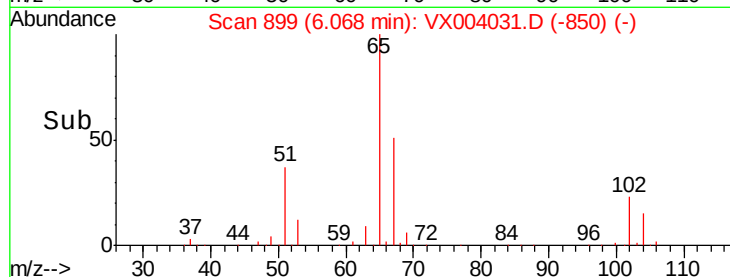
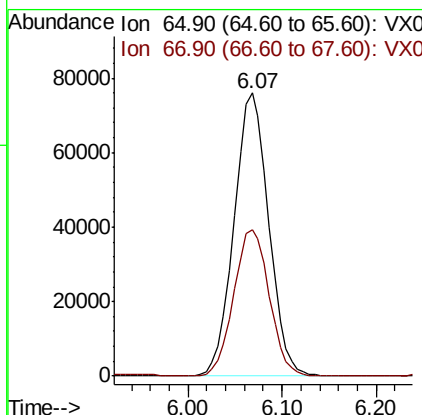
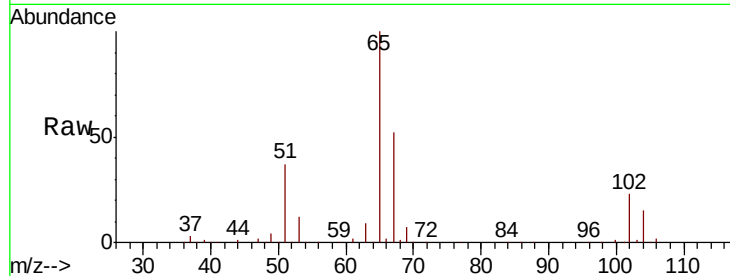




#33
 1,2-Dichloroethane-d4
 Concen: 48.07 ug/l
 RT: 6.07 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VX004031.D
 Acq: 14 Aug 2018 15:31

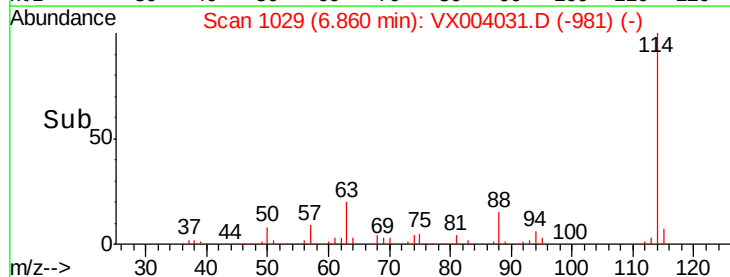
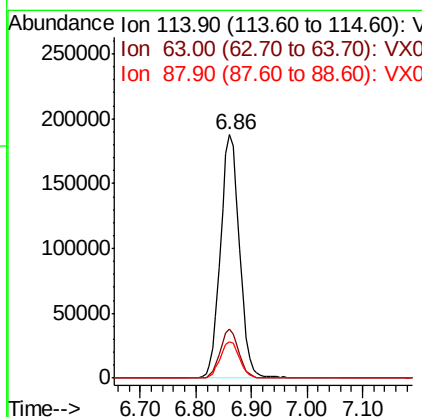
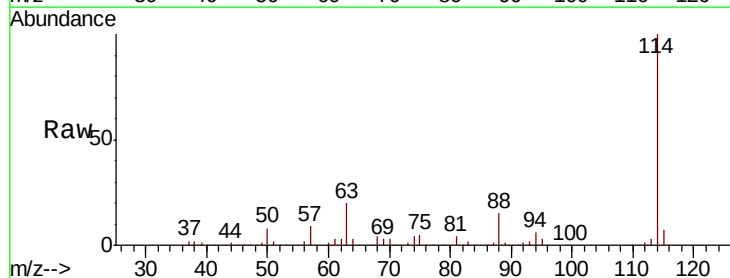
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0566DL

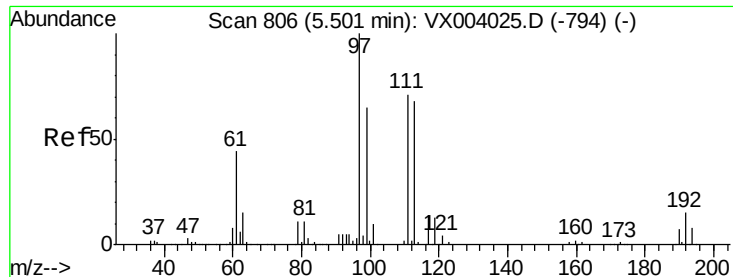
Tot Ion: 65 Resp: 194138
 Ion Ratio Lower Upper
 65 100
 67 53.1 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX004031.D
 Acq: 14 Aug 2018 15:31

Tgt Ion: 114 Resp: 444406
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 39.0
 88 15.1 0.0 32.0

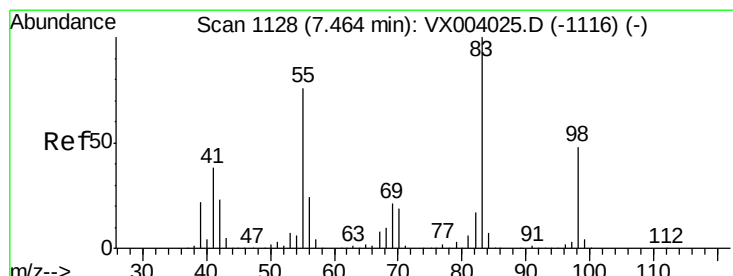
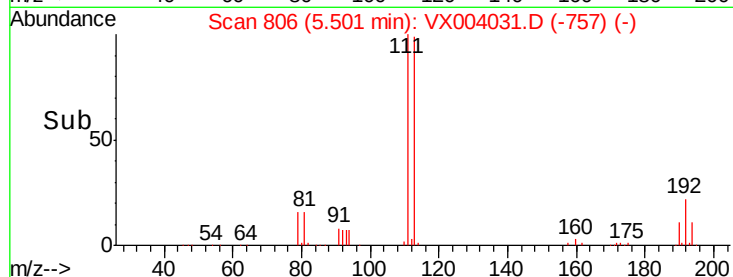
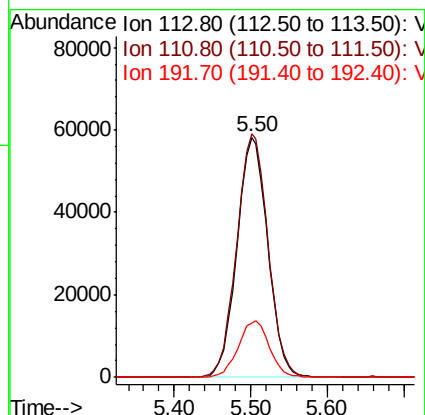
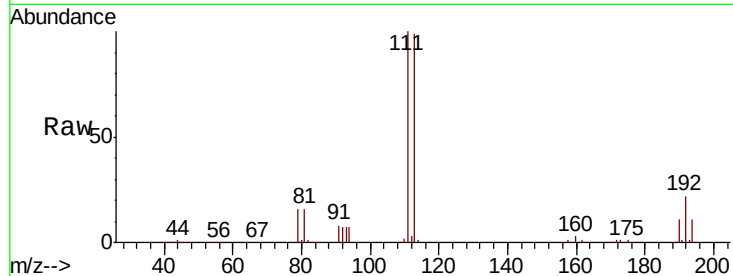




#35
 Dibromofluoromethane
 Concen: 48.84 ug/l
 RT: 5.50 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004031.D
 Acq: 14 Aug 2018 15:31

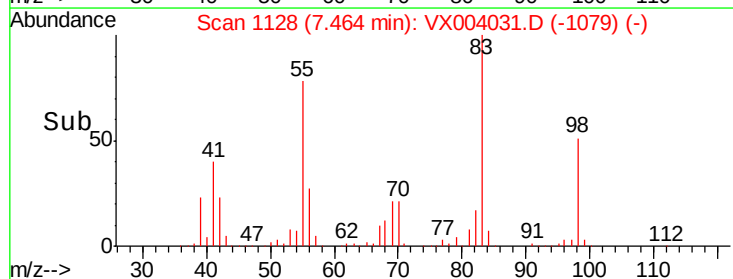
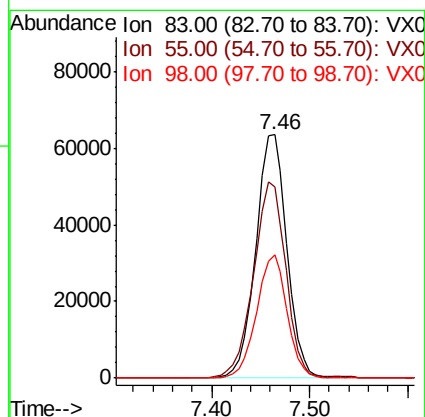
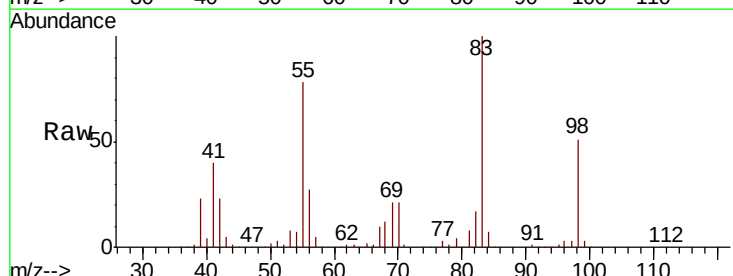
Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0566DL

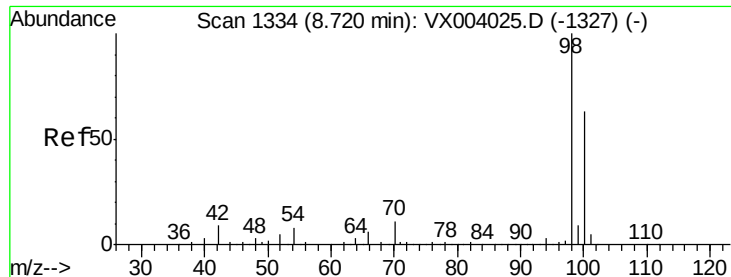
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.0	123.0
192	23.8	19.0	28.4



#39
 Methylcyclohexane
 Concen: 24.63 ug/l
 RT: 7.46 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: VX004031.D
 Acq: 14 Aug 2018 15:31

Tgt Ion	Ratio	Lower	Upper
83	100		
55	78.1	61.0	91.6
98	50.6	38.6	57.8

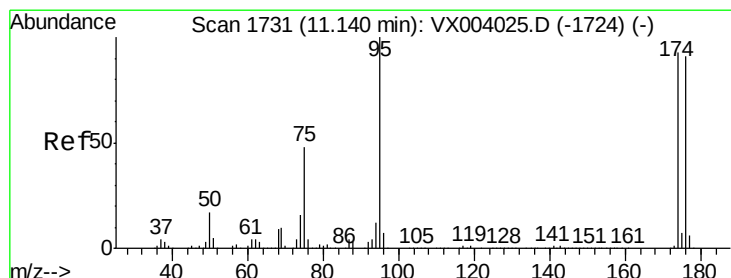
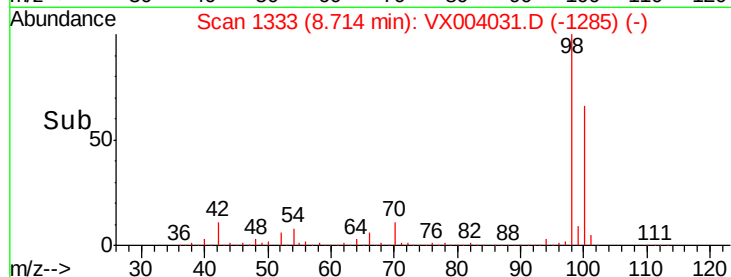
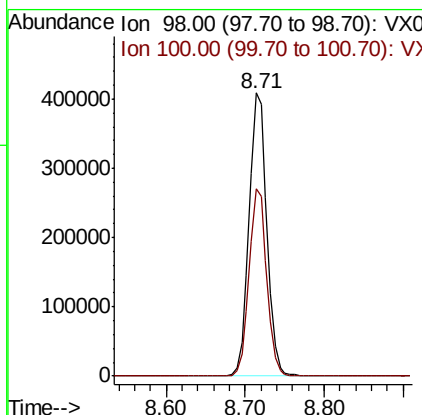
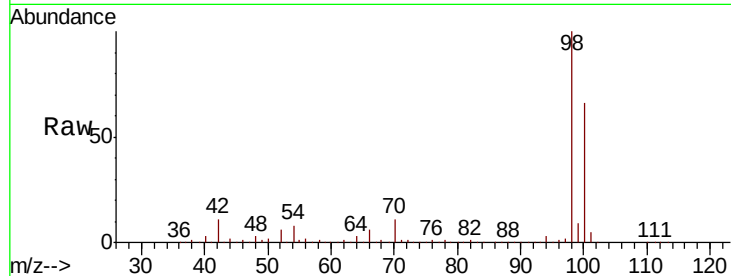




#50
Toluene-d8
Concen: 47.45 ug/l
RT: 8.71 min Scan# 1333
Delta R.T. -0.01 min
Lab File: VX004031.D
Acq: 14 Aug 2018 15:31

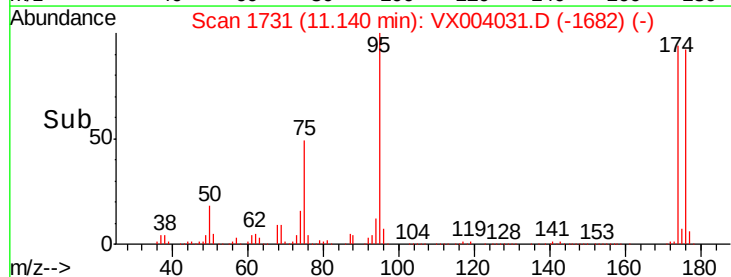
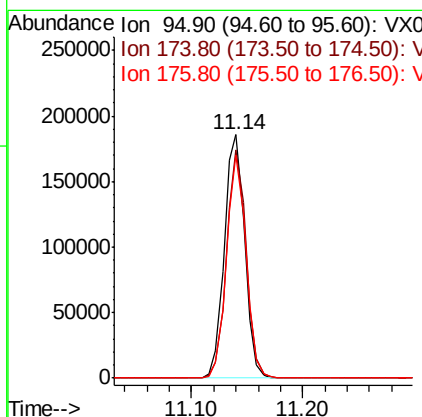
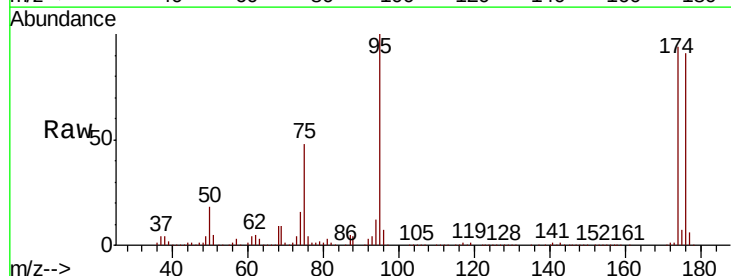
Instrument :
MSVOA_X
ClientSampleId :
FL-0566DL

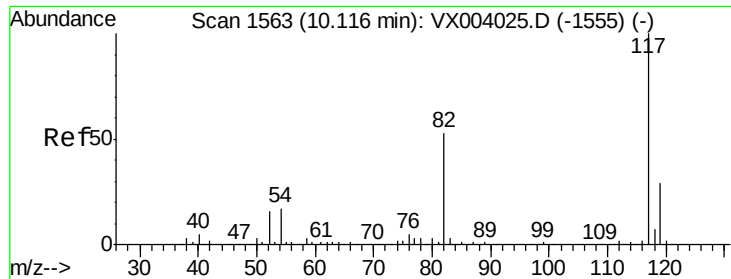
Tot Ion: 98 Resp: 639902
Ion Ratio Lower Upper
98 100
100 65.6 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 47.97 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX004031.D
Acq: 14 Aug 2018 15:31

Tgt Ion: 95 Resp: 234600
Ion Ratio Lower Upper
95 100
174 90.4 0.0 182.8
176 88.0 0.0 179.0





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX004031.D

Acq: 14 Aug 2018 15:31

Instrument :

MSVOA_X

ClientSampleId :

FL-0566DL

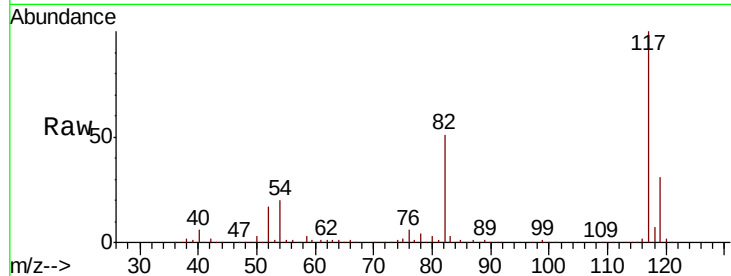
Tot Ion:117 Resp: 407135

Ion Ratio Lower Upper

117 100

82 51.1 45.4 68.0

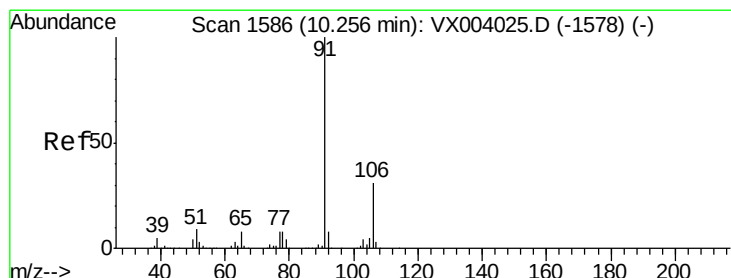
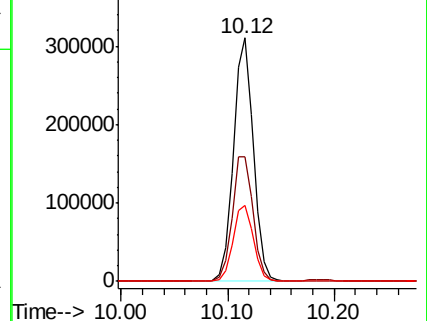
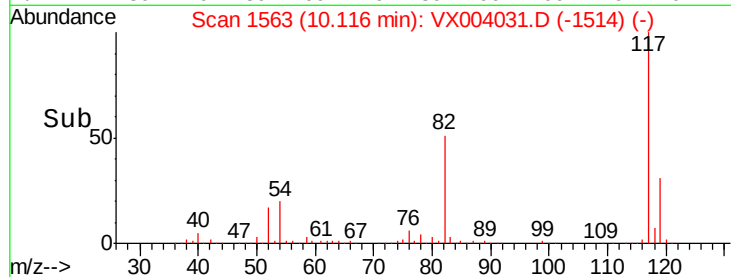
119 31.4 26.6 40.0



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: 18.14 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VX004031.D

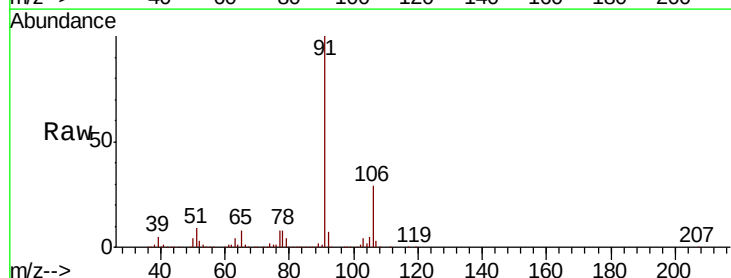
Acq: 14 Aug 2018 15:31

Tgt Ion: 91 Resp: 302171

Ion Ratio Lower Upper

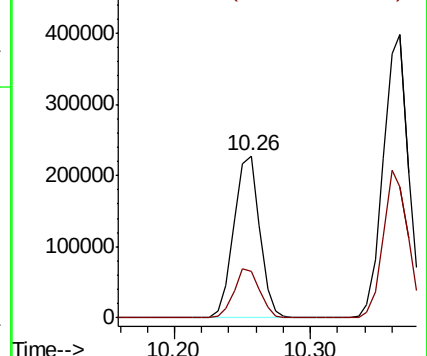
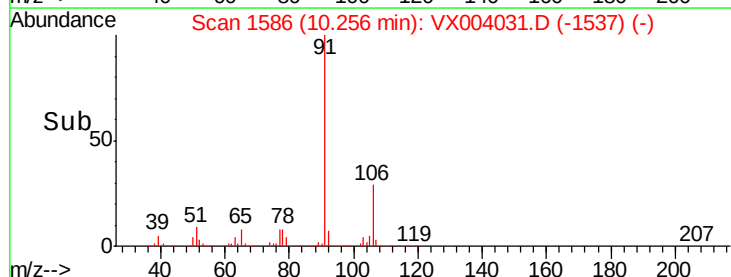
91 100

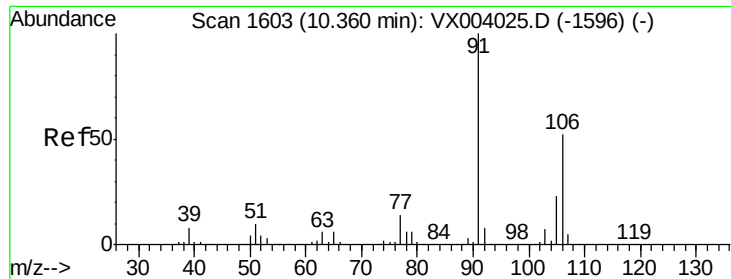
106 28.9 25.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 40.13 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. -0.00 min

Lab File: VX004031.D

Acq: 14 Aug 2018 15:31

Instrument :

MSVOA_X

ClientSampleId :

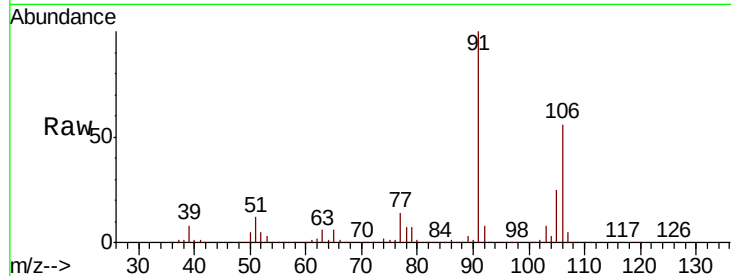
FL-0566DL

Tot Ion:106 Resp: 261693

Ion Ratio Lower Upper

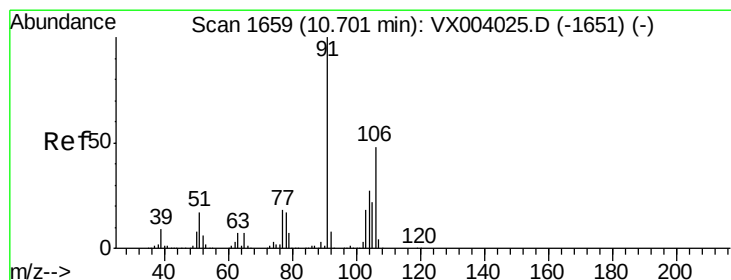
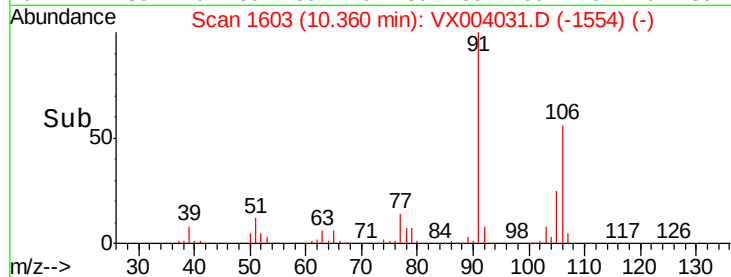
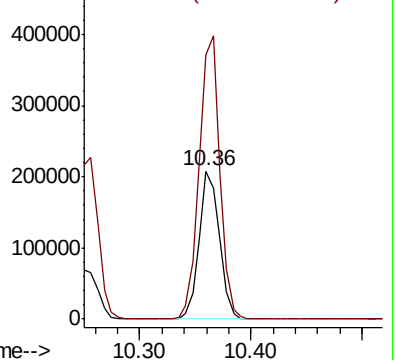
106 100

91 194.2 162.3 243.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 0.75 ug/l

RT: 10.70 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX004031.D

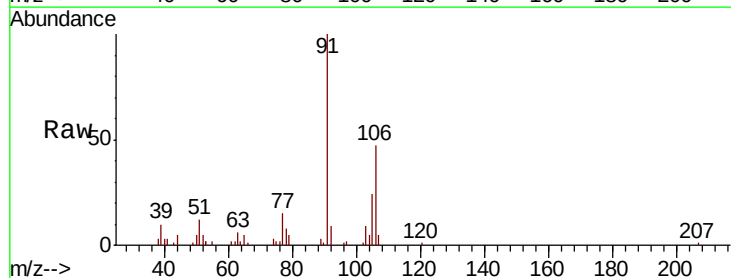
Acq: 14 Aug 2018 15:31

Tgt Ion:106 Resp: 4645

Ion Ratio Lower Upper

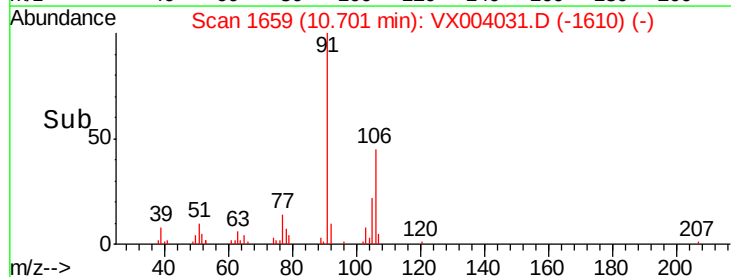
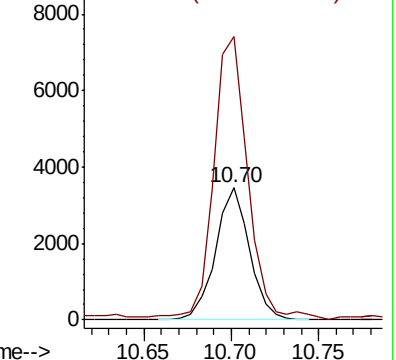
106 100

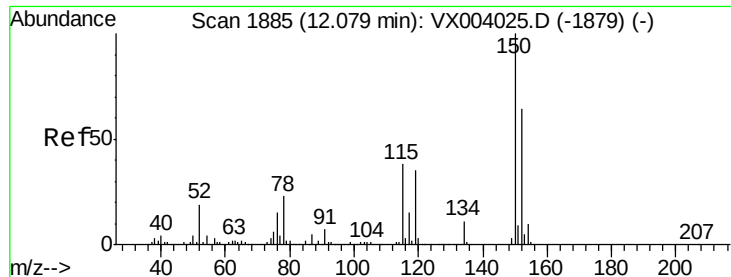
91 217.5 101.9 305.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VX004031.D

Acq: 14 Aug 2018 15:31

Instrument :

MSVOA_X

ClientSampleId :

FL-0566DL

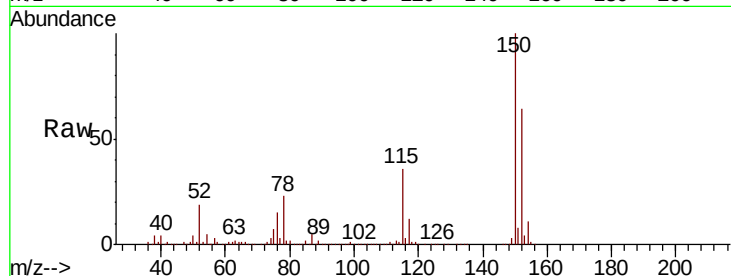
Tot Ion:152 Resp: 252473

Ion Ratio Lower Upper

152 100

115 56.7 39.1 117.3

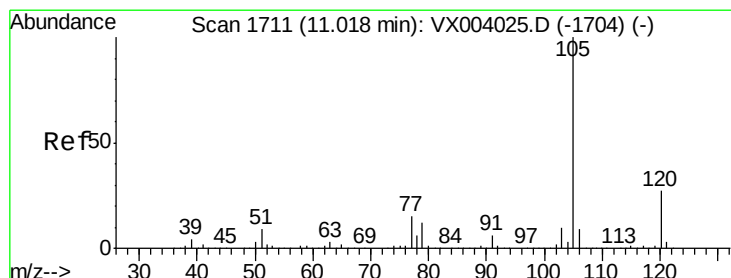
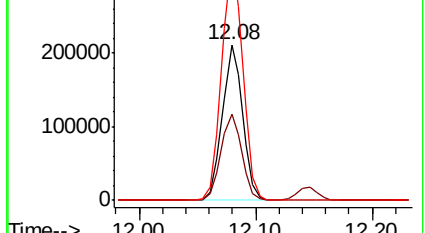
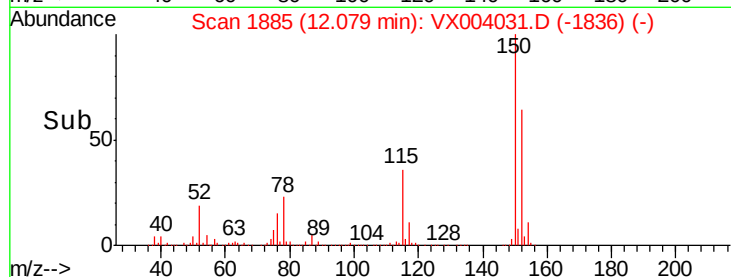
150 159.4 0.0 349.2



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: 2.69 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. -0.00 min

Lab File: VX004031.D

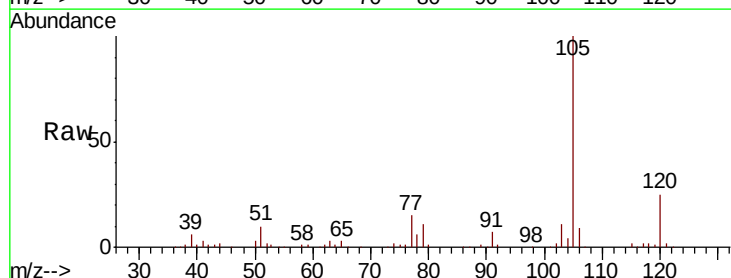
Acq: 14 Aug 2018 15:31

Tgt Ion:105 Resp: 45907

Ion Ratio Lower Upper

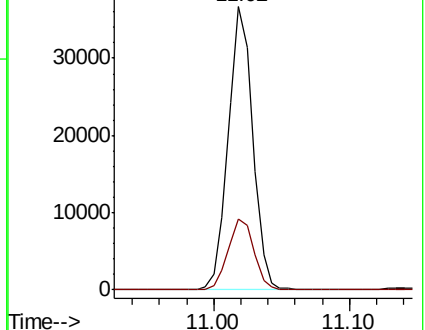
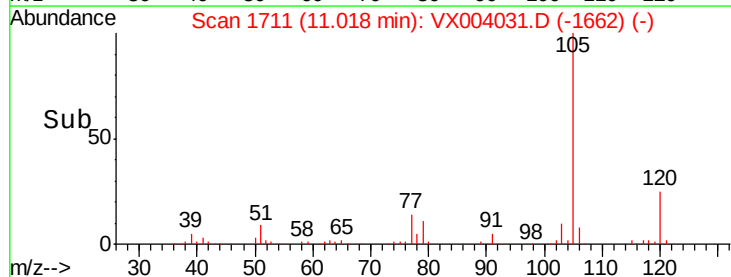
105 100

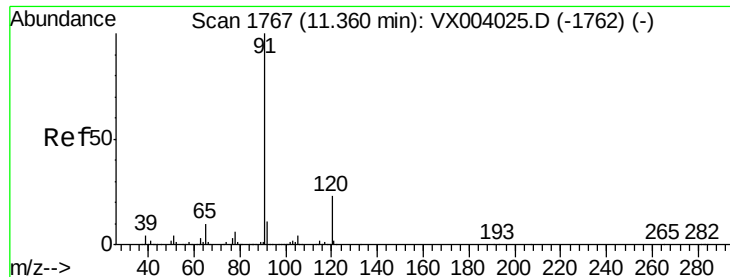
120 26.3 12.6 37.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 3.17 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VX004031.D

Acq: 14 Aug 2018 15:31

Instrument :

MSVOA_X

ClientSampled :

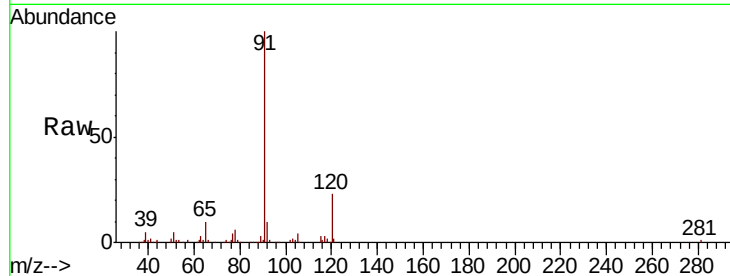
FL-0566DL

Tot Ion: 91 Resp: 60540

Ion Ratio Lower Upper

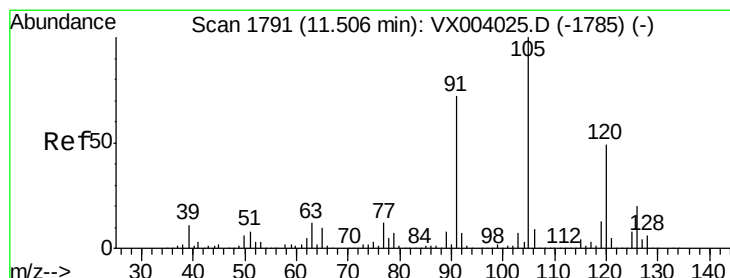
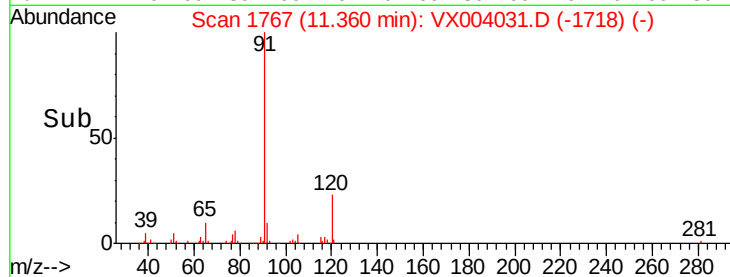
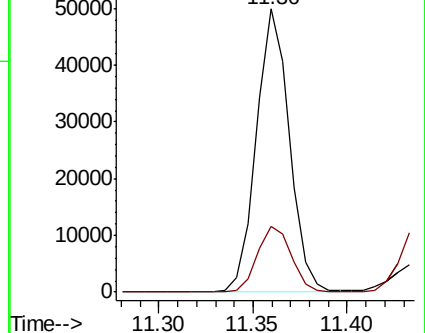
91 100

120 23.9 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VX004025.D (-1762) (-)

Ion 120.00 (119.70 to 120.70): VX004025.D (-1762) (-)



#80

1,3,5-Trimethylbenzene

Concen: 10.17 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX004031.D

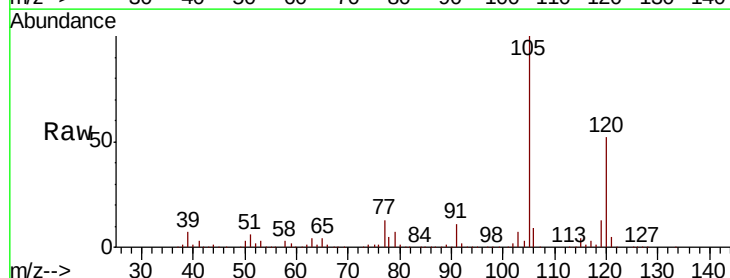
Acq: 14 Aug 2018 15:31

Tgt Ion: 105 Resp: 142261

Ion Ratio Lower Upper

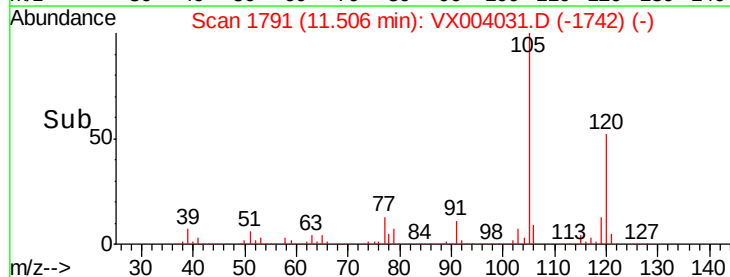
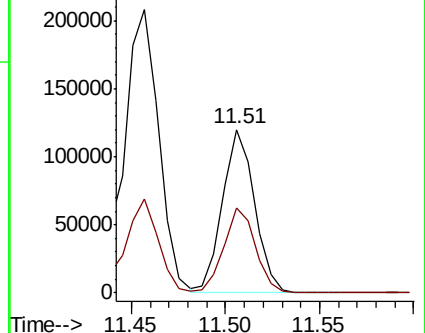
105 100

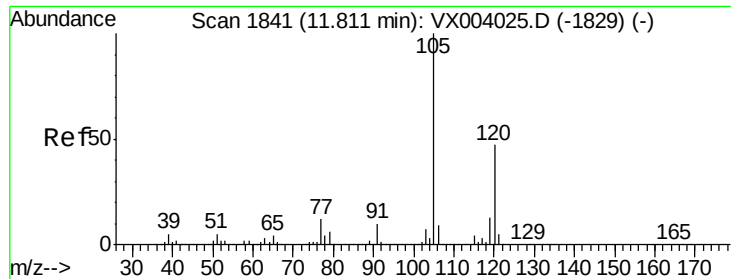
120 51.4 25.4 76.2



Abundance Ion 105.00 (104.70 to 105.70): VX004025.D (-1785) (-)

Ion 120.00 (119.70 to 120.70): VX004025.D (-1785) (-)

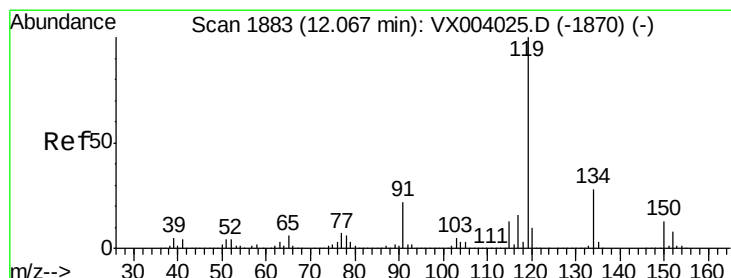
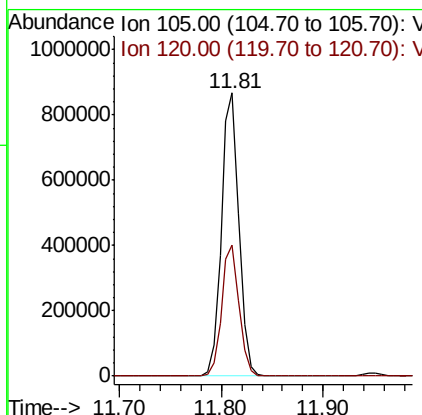
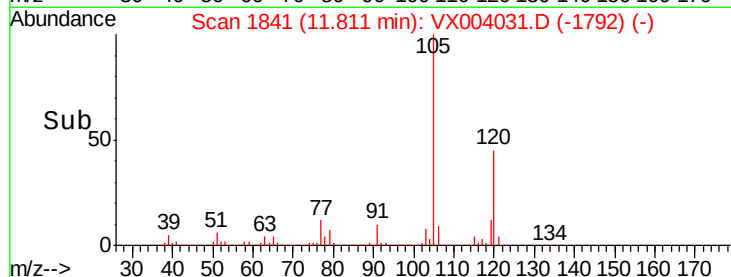
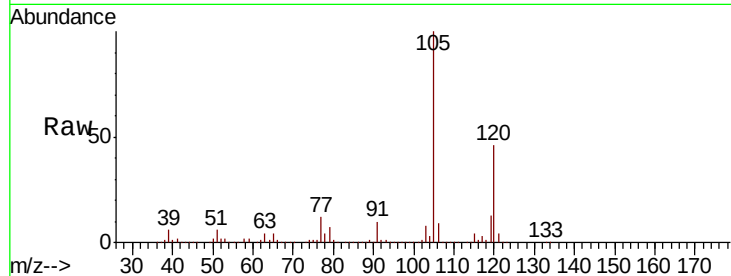




#84
 1,2,4-Trimethylbenzene
 Concen: 71.38 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX004031.D
 Acq: 14 Aug 2018 15:31

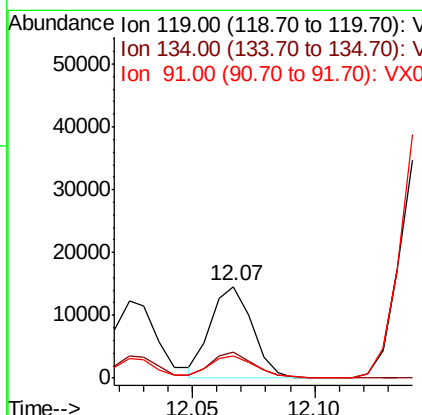
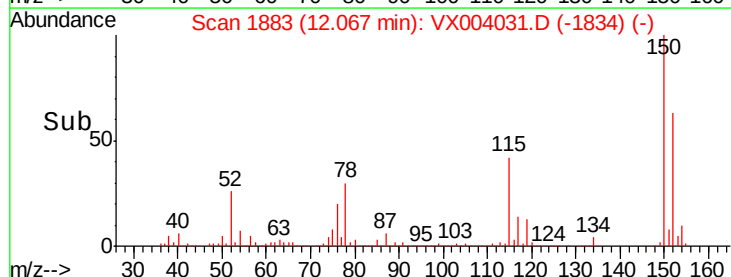
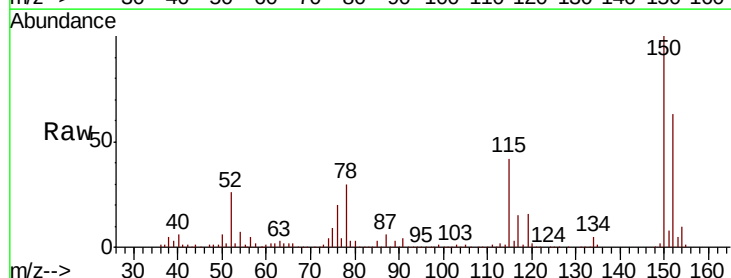
Instrument :
 MSVOA_X
 ClientSampleID :
 FL-0566DL

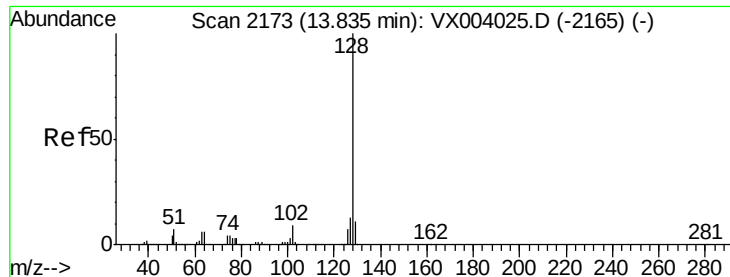
Tot Ion:105 Resp: 1034208
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.1 69.2



#86
 p-Isopropyltoluene
 Concen: 1.15 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX004031.D
 Acq: 14 Aug 2018 15:31

Tgt Ion:119 Resp: 17242
 Ion Ratio Lower Upper
 119 100
 134 29.3 13.3 39.8
 91 27.1 10.9 32.7

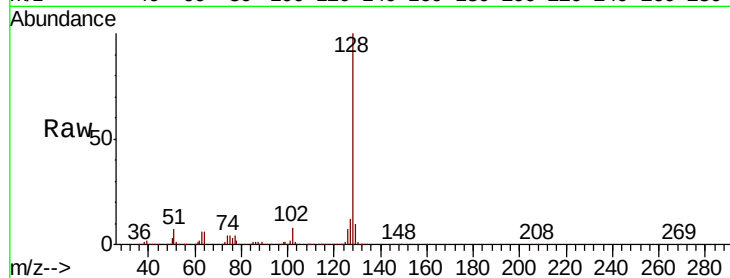




#95
Naphthalene
Concen: 16.37 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX004031.D
Acq: 14 Aug 2018 15:31

Instrument :
MSVOA_X
ClientSampleId :
FL-0566DL

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.9	8.8	13.2



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

