

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062719\
 Data File : VX010490.D
 Acq On : 27 Jun 2019 15:43
 Operator : JC/SP
 Sample : K3565-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0572

Quant Time: Jun 28 07:31:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	251692	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	384281	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	345831	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	161655	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	119010	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	
35) Dibromofluoromethane	5.50	113	116529	49.56	ug/l	0.00
Spiked Amount			Recovery	=	99.12%	
50) Toluene-d8	8.71	98	454437	50.52	ug/l	0.00
Spiked Amount			Recovery	=	101.04%	
62) 4-Bromofluorobenzene	11.13	95	153440	47.25	ug/l	0.00
Spiked Amount			Recovery	=	94.50%	

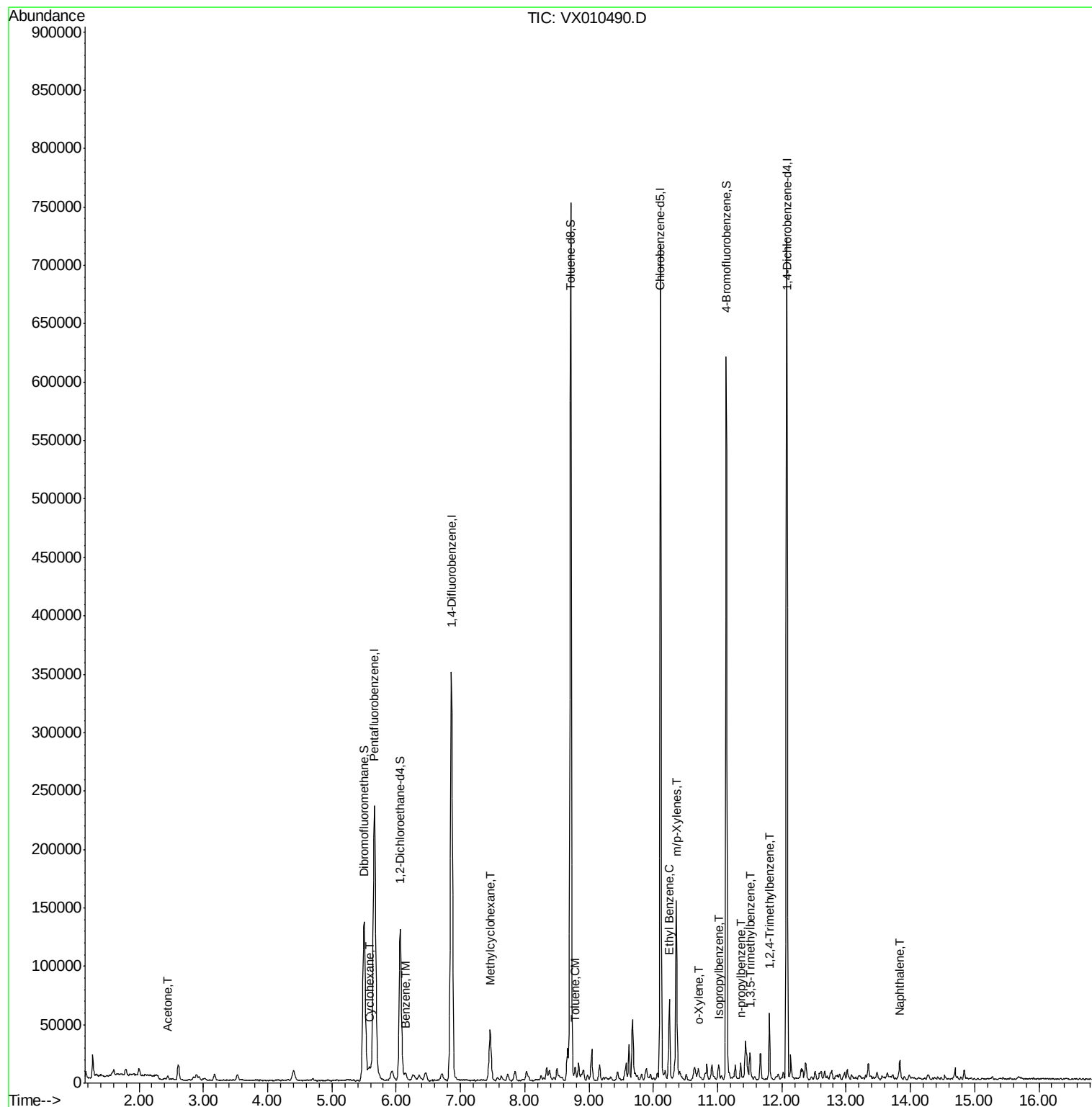
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	3597	3.041	ug/l #	88
31) Cyclohexane	5.58	56	7485	2.196	ug/l	90
39) Methylcyclohexane	7.46	83	21390	5.329	ug/l	94
40) Benzene	6.15	78	7082	0.744	ug/l	93
52) Toluene	8.78	92	3834	0.612	ug/l	98
67) Ethyl Benzene	10.25	91	37222	3.140	ug/l	99
68) m/p-Xylenes	10.36	106	35876	7.811	ug/l	100
69) o-Xylene	10.69	106	1759	0.389	ug/l	89
73) Isopropylbenzene	11.02	105	6334	0.578	ug/l	99
78) n-propylbenzene	11.36	91	7977	0.662	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	9670	1.070	ug/l	96
84) 1,2,4-Trimethylbenzene	11.80	105	23766	2.619	ug/l	96
95) Naphthalene	13.83	128	10157	0.898	ug/l #	93

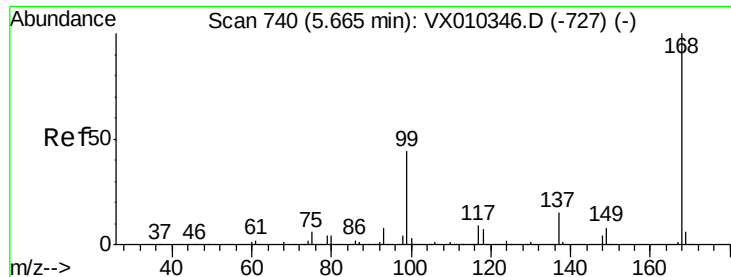
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010490.D

Acq: 27 Jun 2019 15:43

Instrument :

MSVOA_X

ClientSampleId :

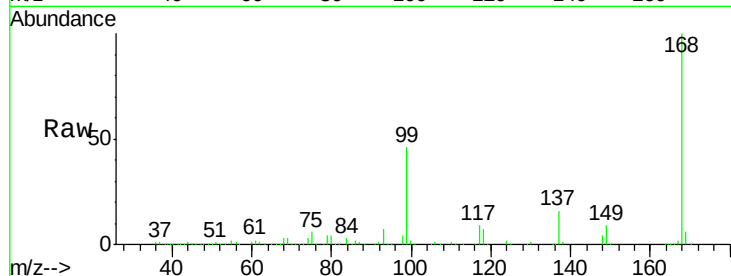
FL-0572

Tot Ion:168 Resp: 251692

Ion Ratio Lower Upper

168 100

99 46.2 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

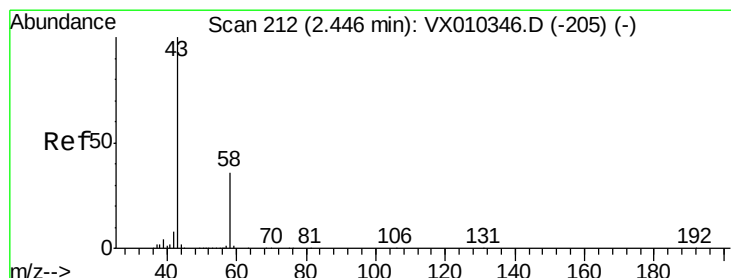
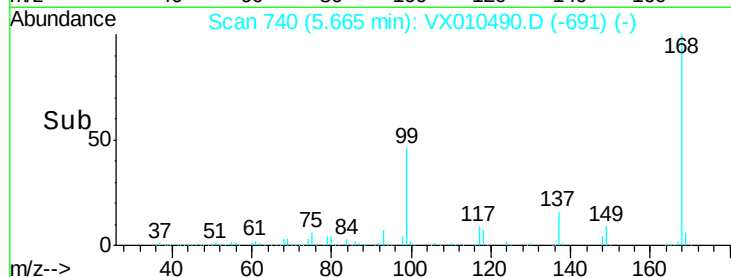
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 3.041 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010490.D

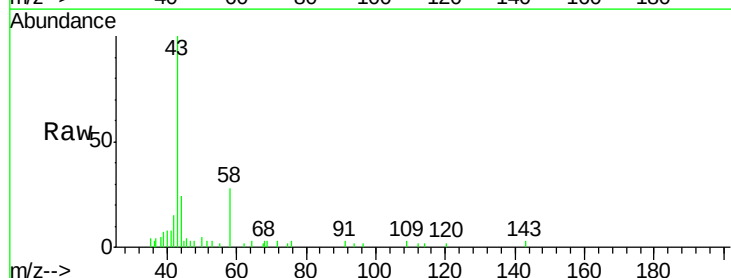
Acq: 27 Jun 2019 15:43

Tgt Ion: 43 Resp: 3597

Ion Ratio Lower Upper

43 100

58 28.9 28.9 43.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

2500

2000

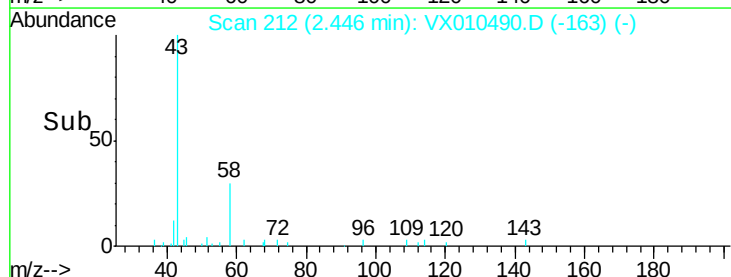
1500

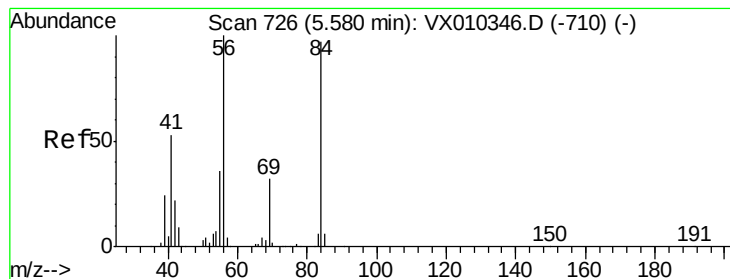
1000

500

0

Time--> 2.40 2.45 2.50





#31

Cyclohexane

Concen: 2.196 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010490.D

Acq: 27 Jun 2019 15:43

Instrument :

MSVOA_X

ClientSampled :

FL-0572

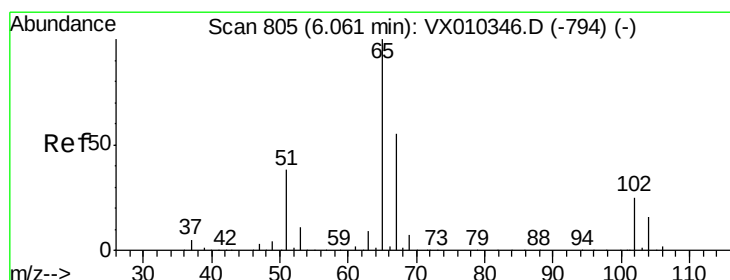
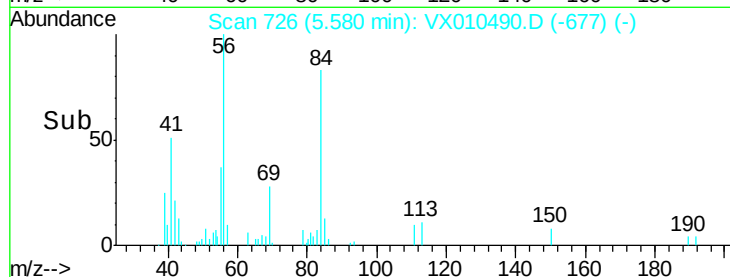
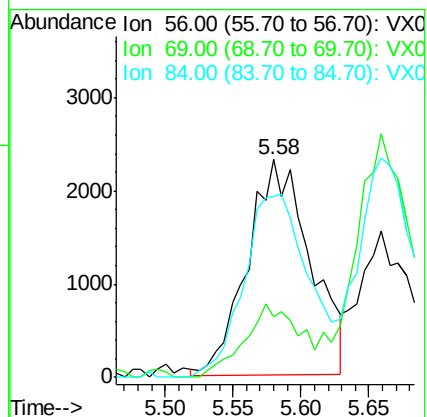
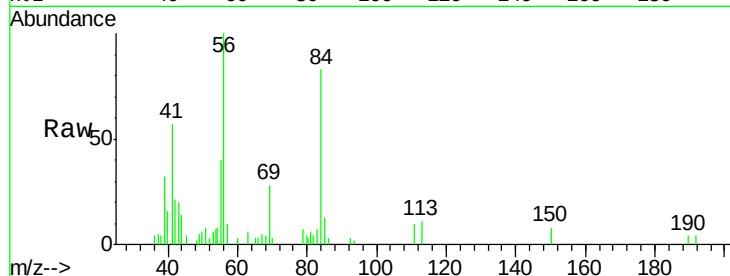
Tot Ion: 56 Resp: 7485

Ion Ratio Lower Upper

56 100

69 28.7 25.9 38.9

84 86.6 78.0 117.0



#33

1,2-Dichloroethane-d4

Concen: 50.431 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX010490.D

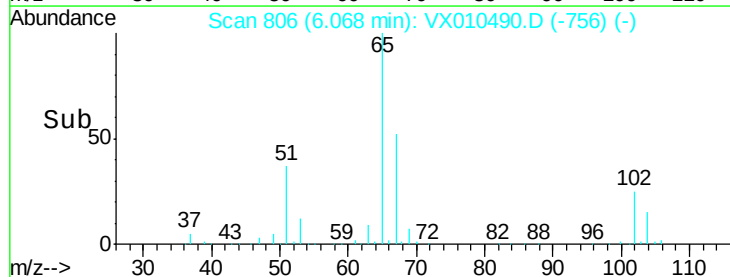
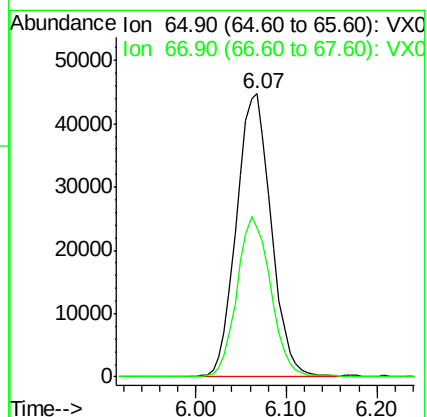
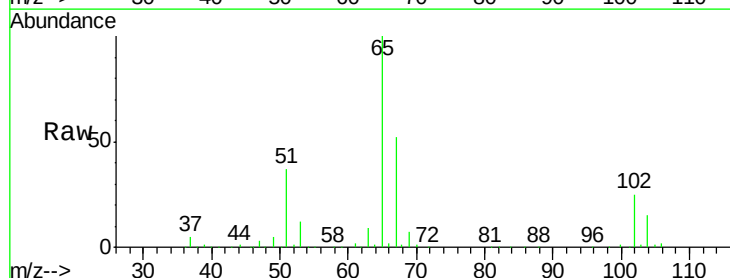
Acq: 27 Jun 2019 15:43

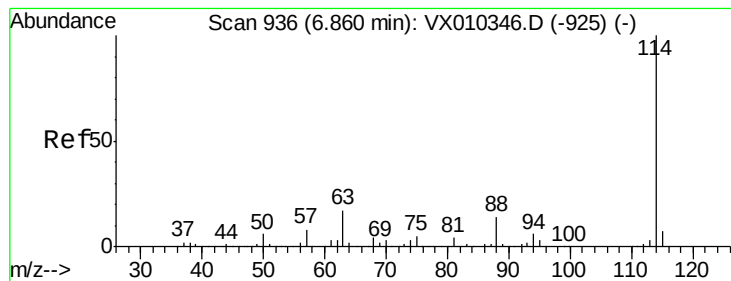
Tgt Ion: 65 Resp: 119010

Ion Ratio Lower Upper

65 100

67 55.1 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010490.D

Acq: 27 Jun 2019 15:43

Instrument :

MSVOA_X

ClientSampleId :

FL-0572

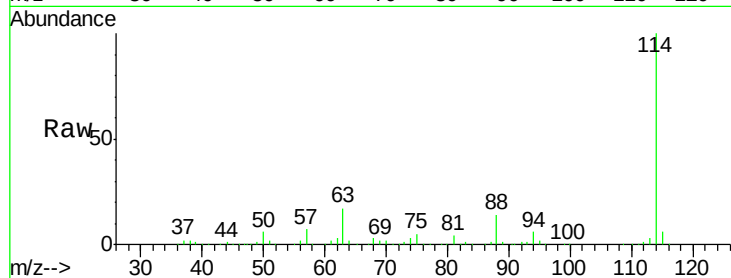
Tot Ion:114 Resp: 384281

Ion Ratio Lower Upper

114 100

63 16.7 0.0 33.8

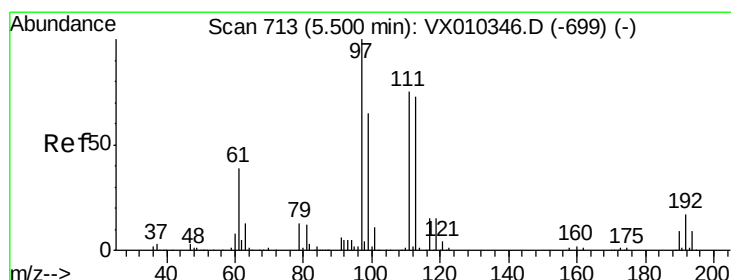
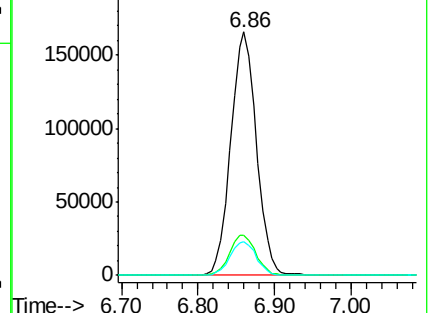
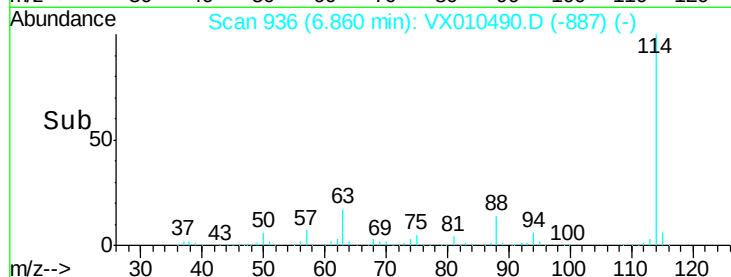
88 14.0 0.0 27.6



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: 49.562 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010490.D

Acq: 27 Jun 2019 15:43

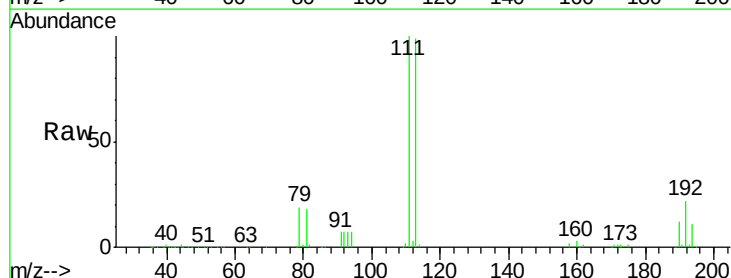
Tgt Ion:113 Resp: 116529

Ion Ratio Lower Upper

113 100

111 100.6 81.2 121.8

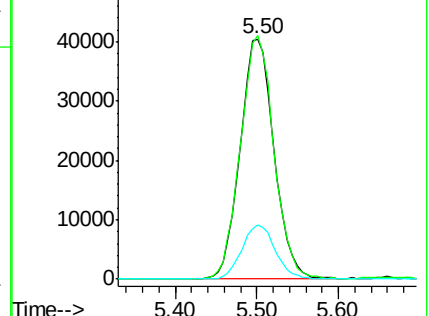
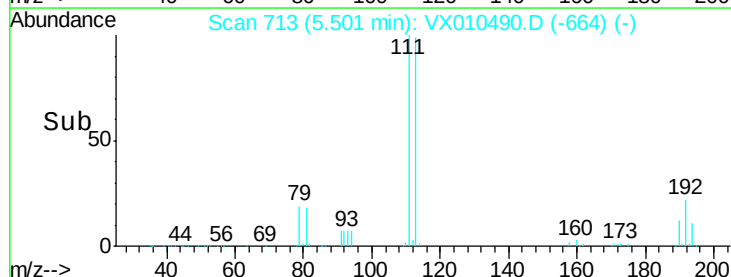
192 22.4 18.6 27.8

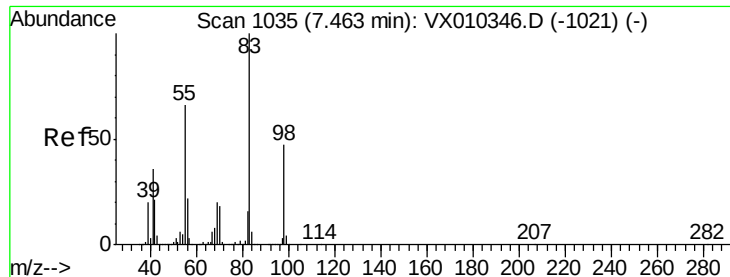


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

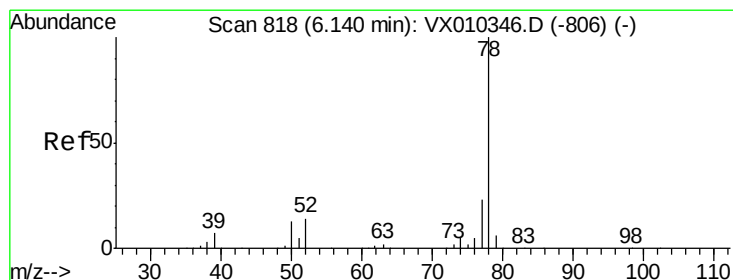
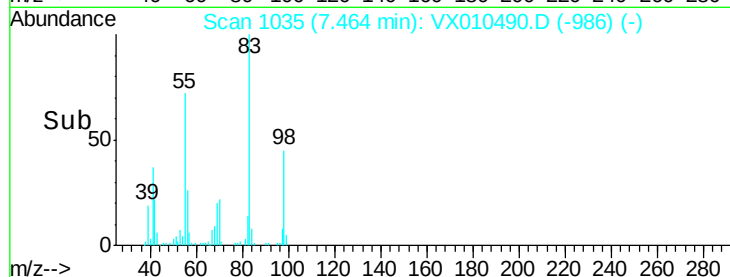
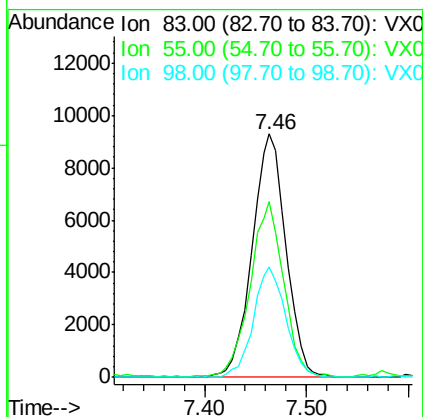
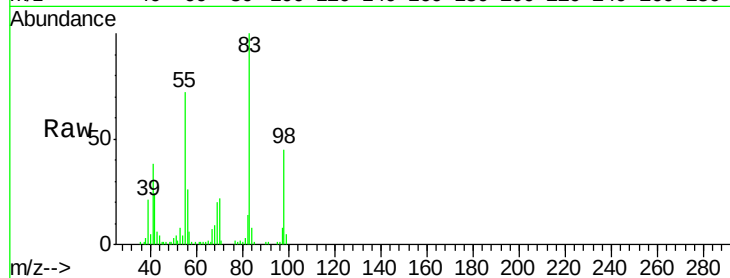




#39
Methylvlcyclohexane
Concen: 5.329 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010490.D
Acq: 27 Jun 2019 15:43

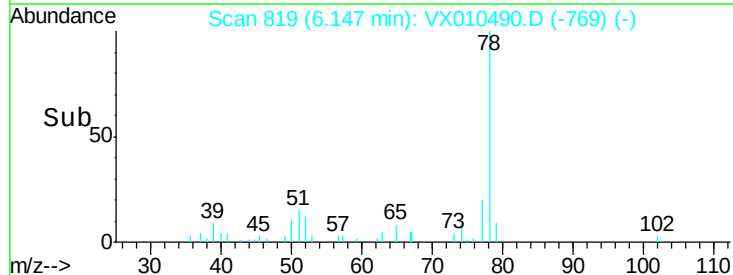
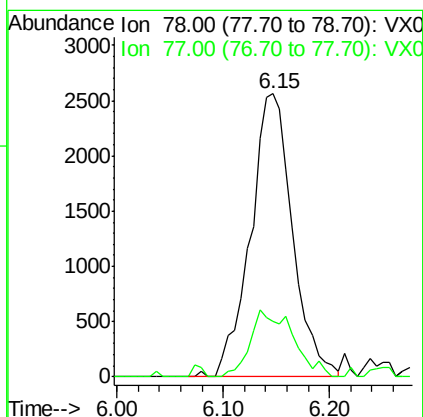
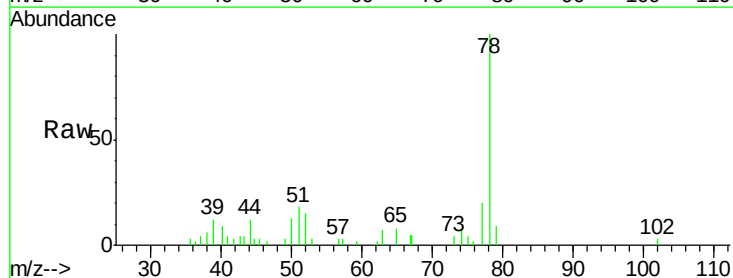
Instrument :
MSVOA_X
ClientSampleId :
FL-0572

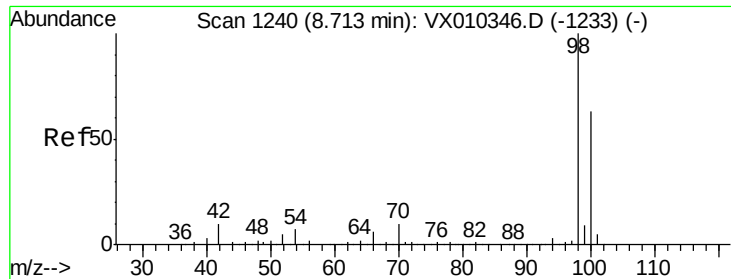
Tot Ion: 83 Resp: 21390
Ion Ratio Lower Upper
83 100
55 72.4 53.0 79.6
98 45.1 37.8 56.8



#40
Benzene
Concen: 0.744 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.01 min
Lab File: VX010490.D
Acq: 27 Jun 2019 15:43

Tgt Ion: 78 Resp: 7082
Ion Ratio Lower Upper
78 100
77 19.7 18.6 28.0

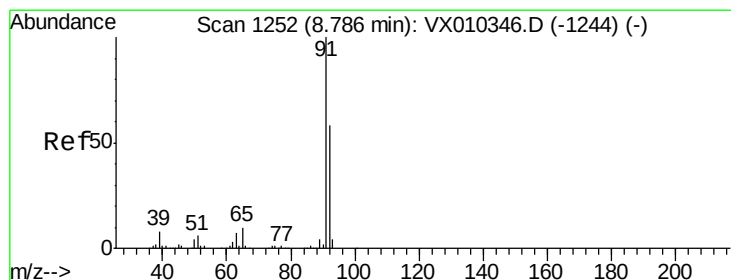
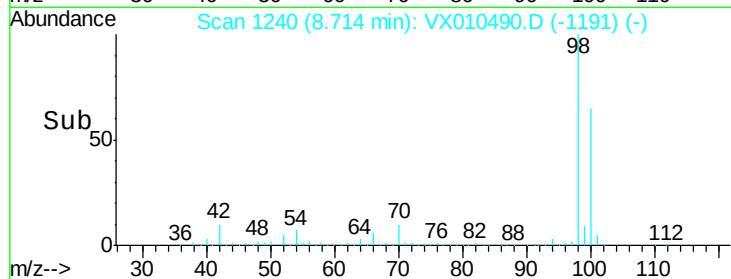
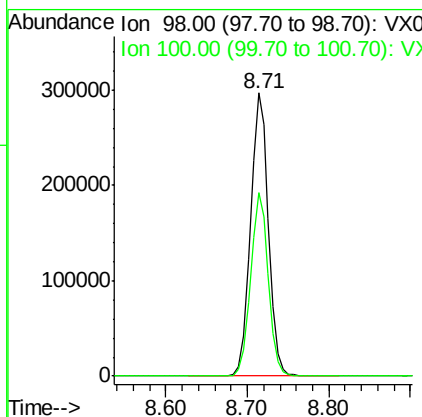
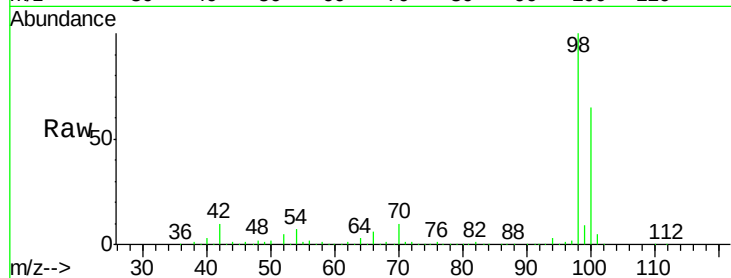




#50
Toluene-d8
Concen: 50.520 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010490.D
Acq: 27 Jun 2019 15:43

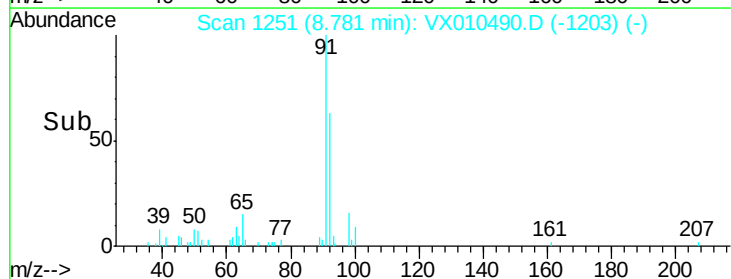
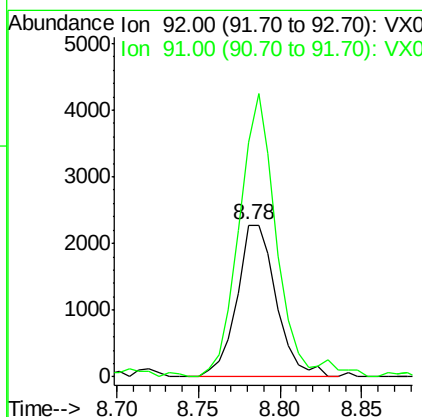
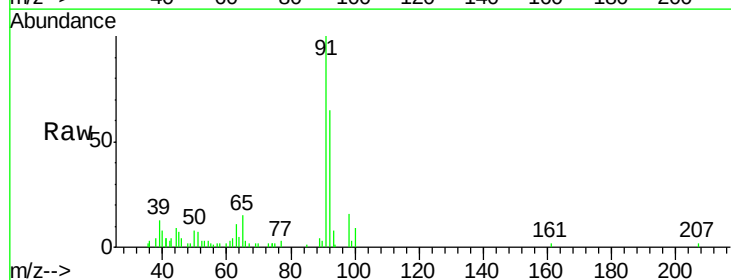
Instrument :
MSVOA_X
ClientSampled :
FL-0572

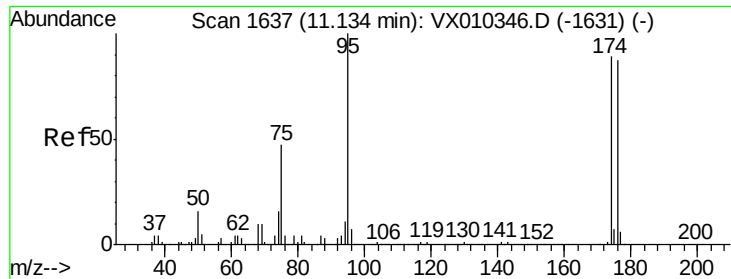
Tot Ion: 98 Resp: 454437
Ion Ratio Lower Upper
98 100
100 64.0 51.6 77.4



#52
Toluene
Concen: 0.612 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.01 min
Lab File: VX010490.D
Acq: 27 Jun 2019 15:43

Tgt Ion: 92 Resp: 3834
Ion Ratio Lower Upper
92 100
91 172.5 139.8 209.6





#62

4-Bromofluorobenzene

Concen: 47.249 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010490.D

Acq: 27 Jun 2019 15:43

Instrument :

MSVOA_X

ClientSampleId :

FL-0572

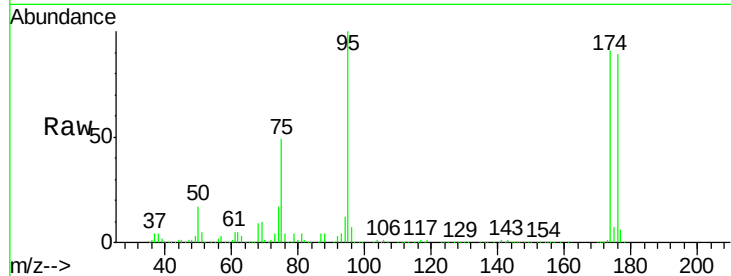
Tot Ion: 95 Resp: 153440

Ion Ratio Lower Upper

95 100

174 94.6 0.0 187.6

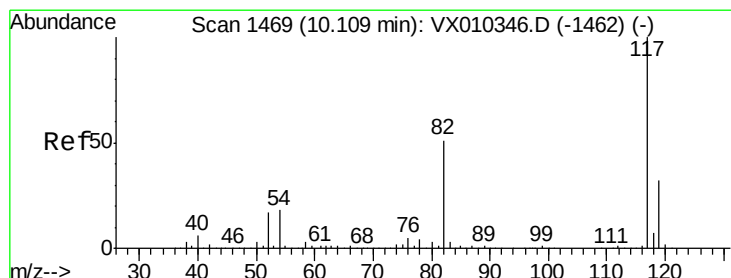
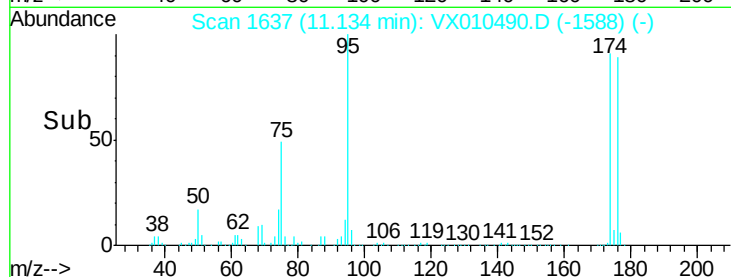
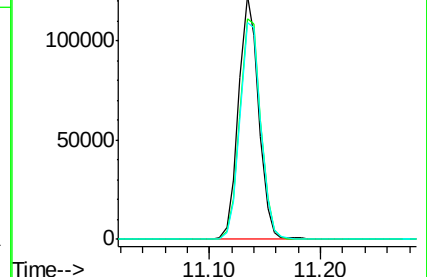
176 92.4 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX010346.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX010346.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX010346.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX010490.D

Acq: 27 Jun 2019 15:43

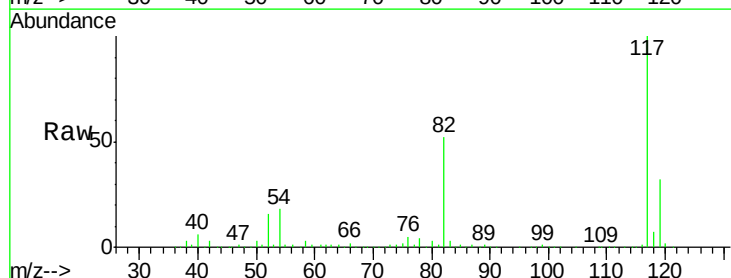
Tgt Ion: 117 Resp: 345831

Ion Ratio Lower Upper

117 100

82 51.9 41.2 61.8

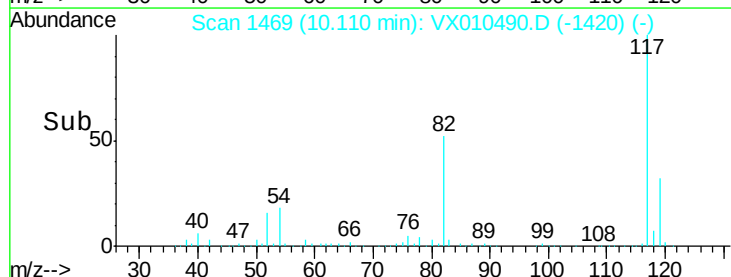
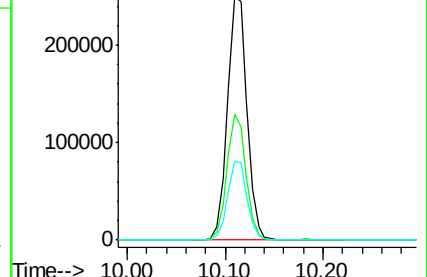
119 32.0 25.5 38.3

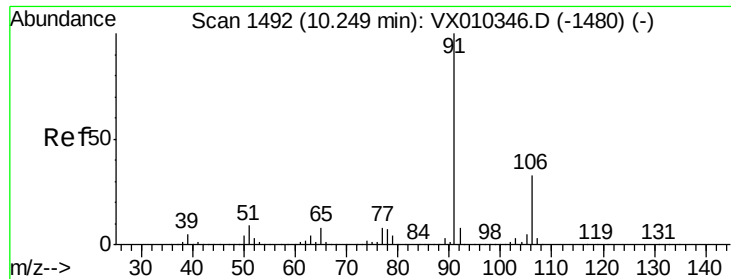


Abundance Ion 116.90 (116.60 to 117.60): VX010346.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010346.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010346.D (-1462) (-)

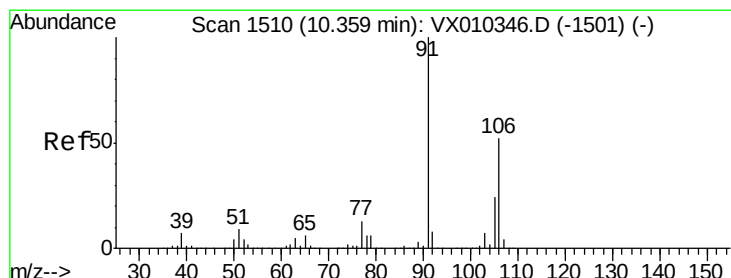
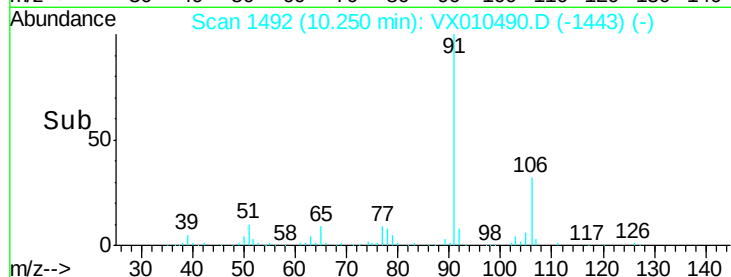
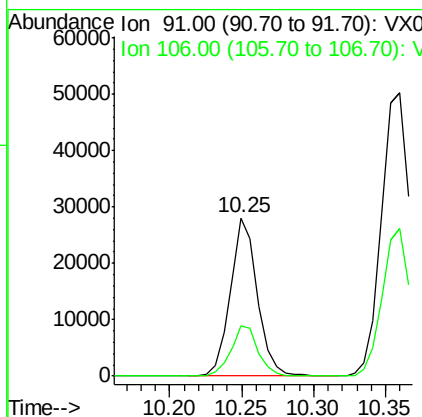
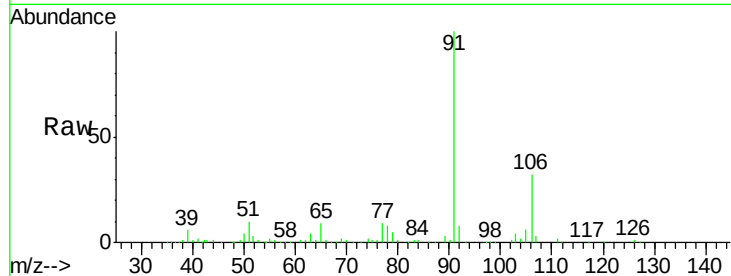




#67
Ethyl Benzene
Concen: 3.140 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010490.D
Acq: 27 Jun 2019 15:43

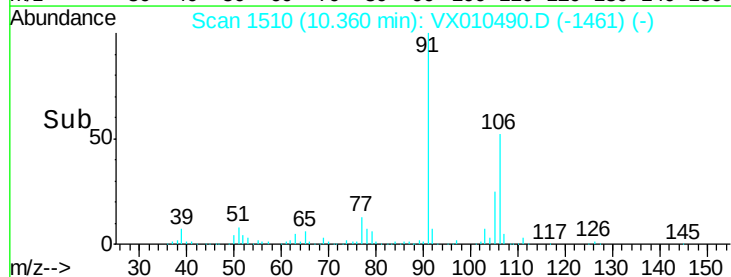
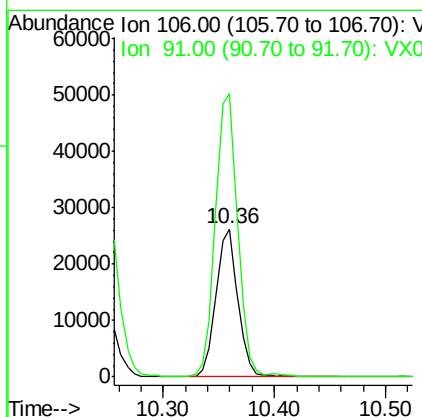
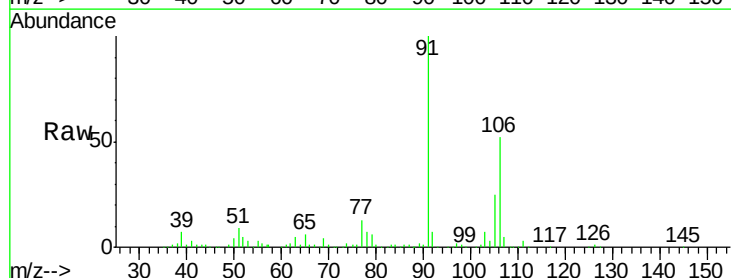
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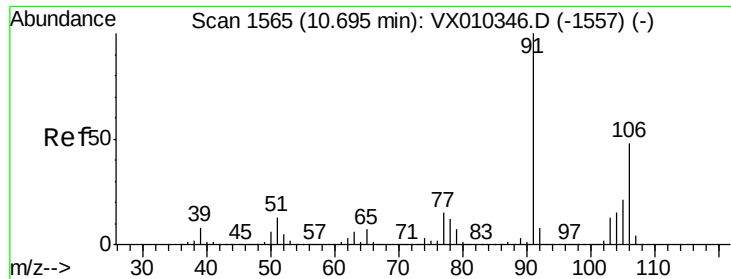
Tot Ion: 91 Resp: 37222
Ion Ratio Lower Upper
91 100
106 32.1 26.2 39.2



#68
m/p-Xylenes
Concen: 7.811 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010490.D
Acq: 27 Jun 2019 15:43

Tgt Ion: 106 Resp: 35876
Ion Ratio Lower Upper
106 100
91 194.5 155.3 232.9

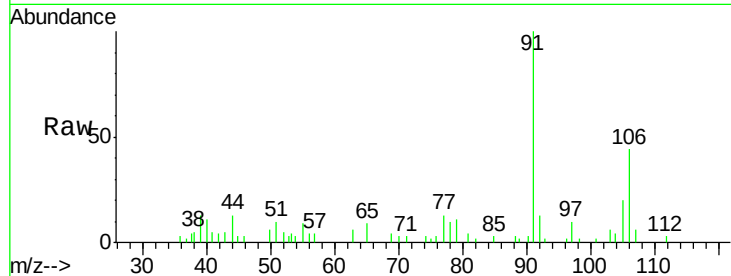




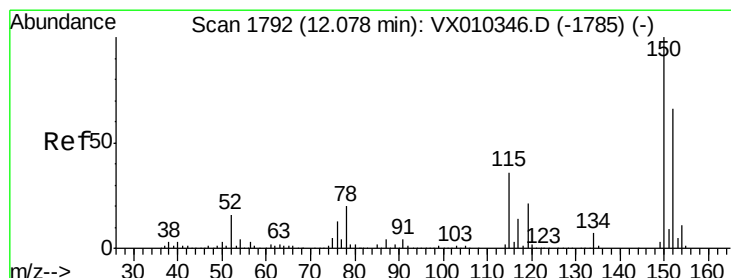
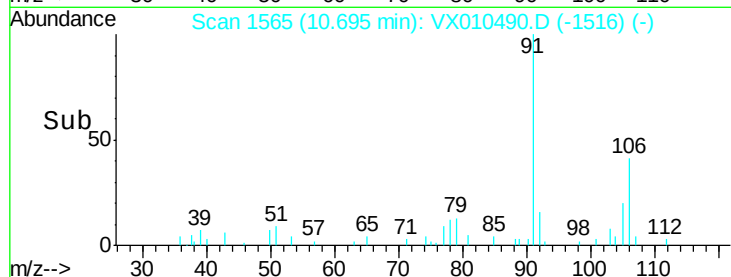
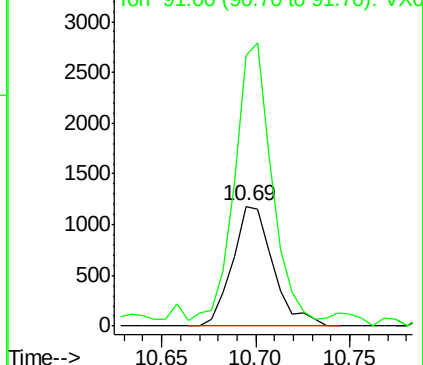
#69
o-Xylene
Concen: 0.389 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX010490.D
Acq: 27 Jun 2019 15:43

Instrument :
MSVOA_X
ClientSampled :
FL-0572

Tot Ion:106 Resp: 1759
Ion Ratio Lower Upper
106 100
91 221.9 102.7 308.1

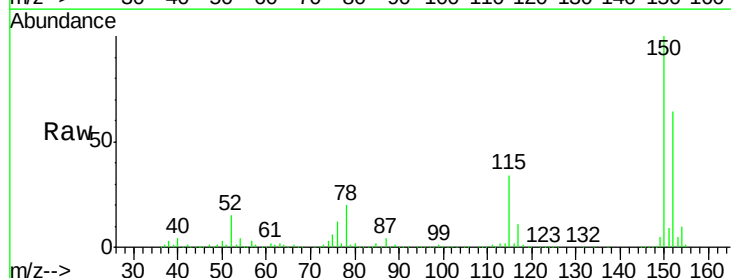


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

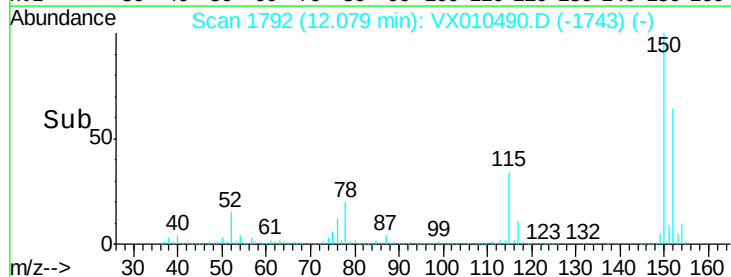
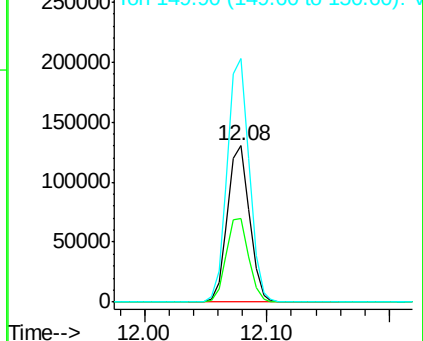


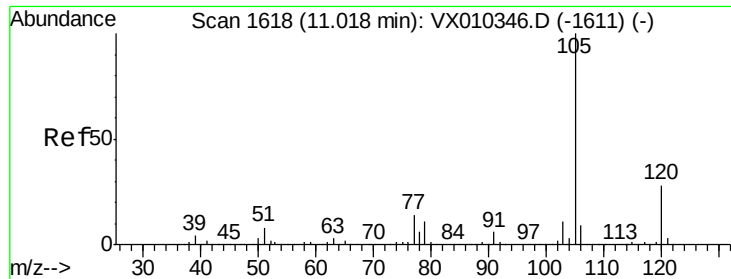
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010490.D
Acq: 27 Jun 2019 15:43

Tgt Ion:152 Resp: 161655
Ion Ratio Lower Upper
152 100
115 54.3 38.6 115.7
150 155.7 0.0 347.4



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: 0.578 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010490.D

Acq: 27 Jun 2019 15:43

Instrument :

MSVOA_X

ClientSampleId :

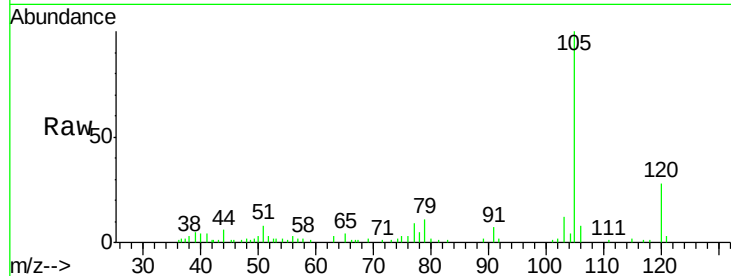
FL-0572

Tot Ion:105 Resp: 6334

Ion Ratio Lower Upper

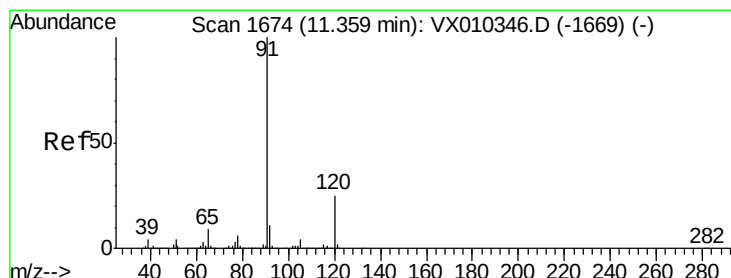
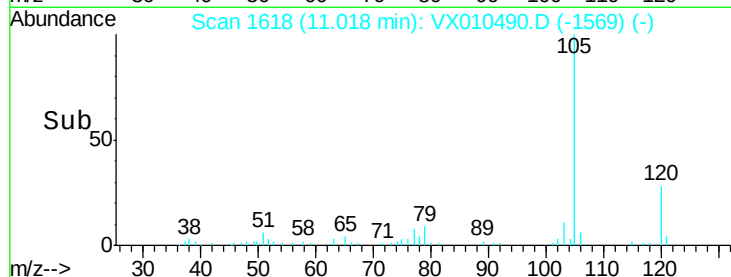
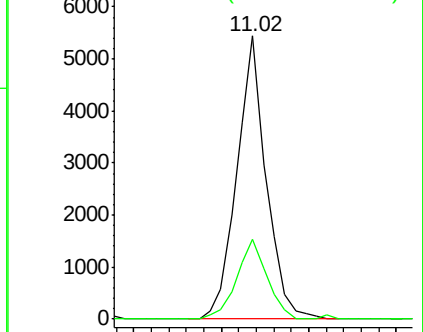
105 100

120 29.0 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 0.662 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010490.D

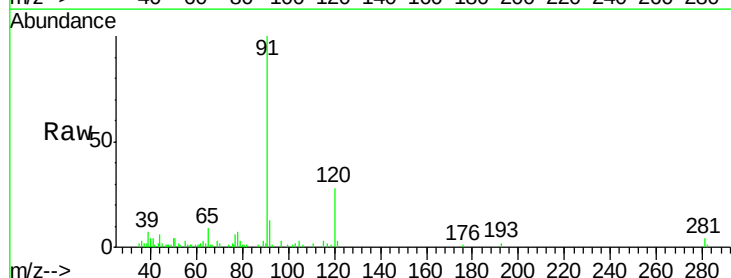
Acq: 27 Jun 2019 15:43

Tgt Ion: 91 Resp: 7977

Ion Ratio Lower Upper

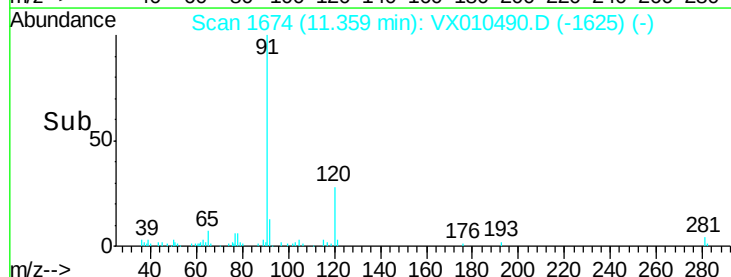
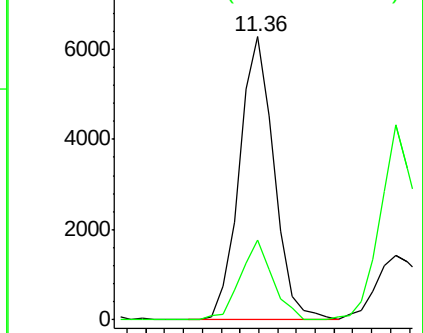
91 100

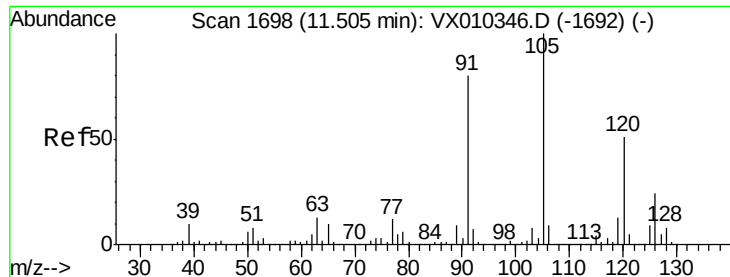
120 26.2 12.4 37.4



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: 1.070 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010490.D

Acq: 27 Jun 2019 15:43

Instrument :

MSVOA_X

ClientSampleId :

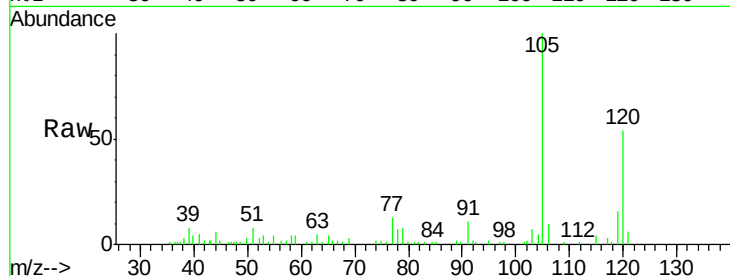
FL-0572

Tot Ion:105 Resp: 9670

Ion Ratio Lower Upper

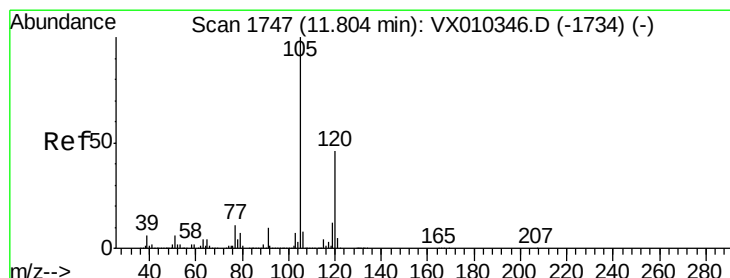
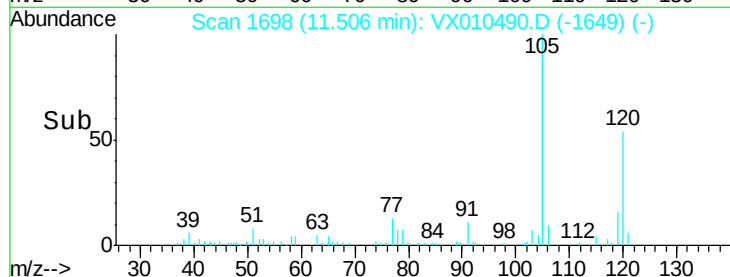
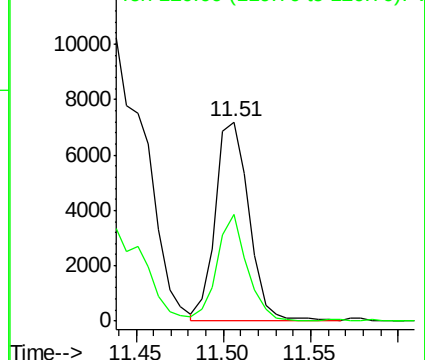
105 100

120 47.7 25.2 75.6



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: 2.619 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX010490.D

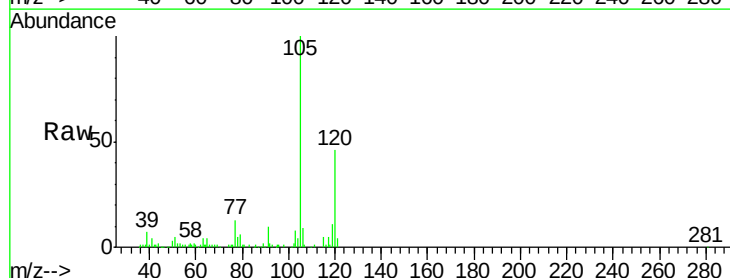
Acq: 27 Jun 2019 15:43

Tgt Ion:105 Resp: 23766

Ion Ratio Lower Upper

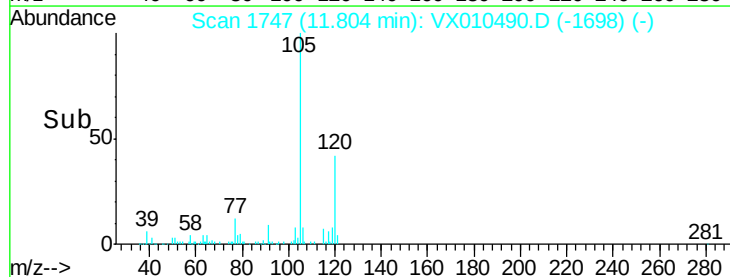
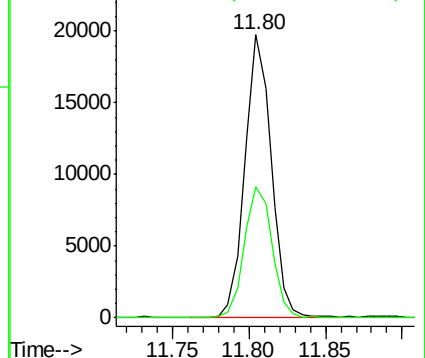
105 100

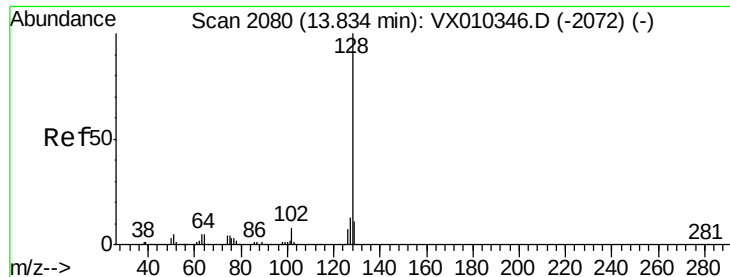
120 48.4 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

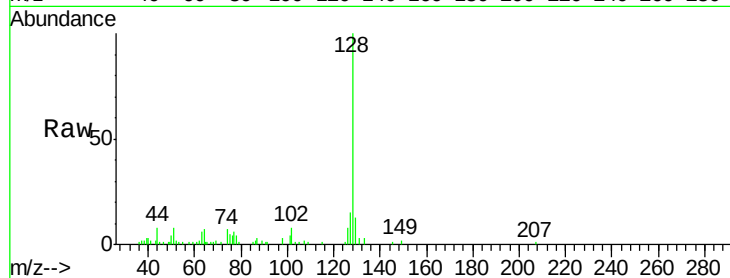




#95
Naphthalene
Concen: 0.898 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010490.D
Acq: 27 Jun 2019 15:43

Instrument :
MSVOA_X
ClientSampleId :
FL-0572

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.0	10.2	15.4
129	14.6	8.9	13.3



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

