

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX032619\
 Data File : VX008466.D
 Acq On : 26 Mar 2019 19:54
 Operator : JC/SP
 Sample : K2089-01DL 200X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-106DL

Quant Time: Mar 27 03:30:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 26 07:57:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	241560	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	406291	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	351034	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	151653	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	167729	45.80	ug/l	0.00
Spiked Amount			Recovery	=	91.60%	
35) Dibromofluoromethane	5.49	113	124069	46.83	ug/l	0.00
Spiked Amount			Recovery	=	93.66%	
50) Toluene-d8	8.71	98	511869	48.32	ug/l	0.00
Spiked Amount			Recovery	=	96.64%	
62) 4-Bromofluorobenzene	11.13	95	176712	45.02	ug/l	0.00
Spiked Amount			Recovery	=	90.04%	

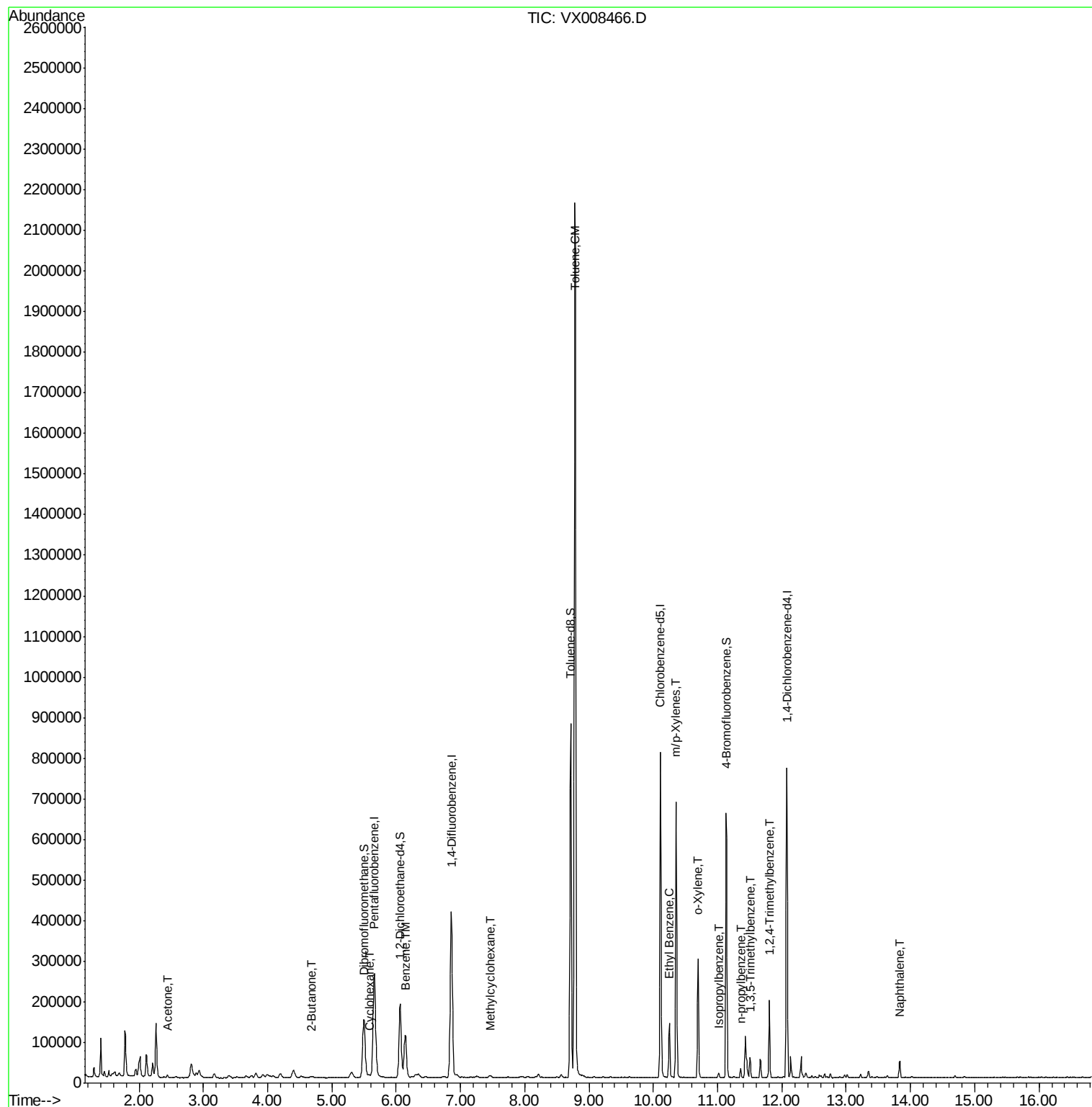
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.44	43	6558	3.426	ug/l	100
25) 2-Butanone	4.68	43	7085	2.309	ug/l	95
31) Cyclohexane	5.57	56	4494	0.766	ug/l	95
39) Methylcyclohexane	7.46	83	2138	0.413	ug/l	95
40) Benzene	6.14	78	123863	9.551	ug/l	100
52) Toluene	8.78	92	789812	101.853	ug/l	99
67) Ethyl Benzene	10.25	91	76131	5.284	ug/l	98
68) m/p-Xylenes	10.35	106	147818	28.202	ug/l	100
69) o-Xylene	10.69	106	62653	12.318	ug/l	100
73) Isopropylbenzene	11.02	105	5343	0.433	ug/l	99
78) n-propylbenzene	11.36	91	13547	0.937	ug/l	97
80) 1,3,5-Trimethylbenzene	11.51	105	20549	1.970	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	79153	7.503	ug/l	99
95) Naphthalene	13.83	128	25100	2.030	ug/l	100

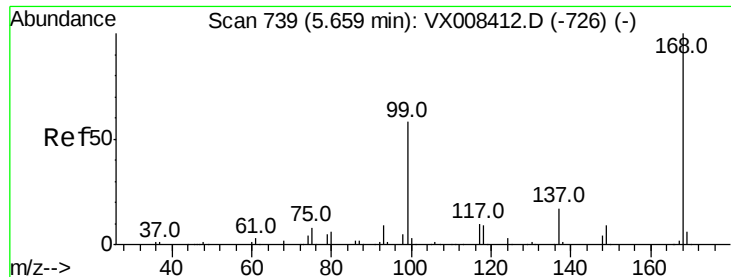
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX008466.D

Acq: 26 Mar 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

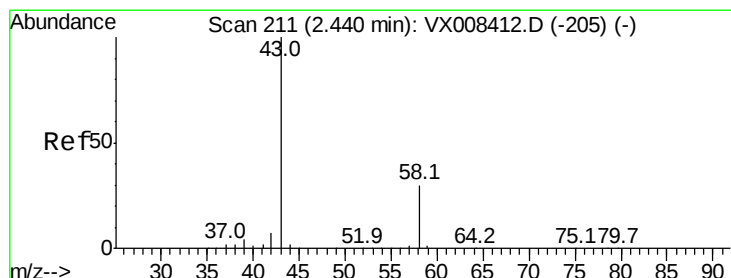
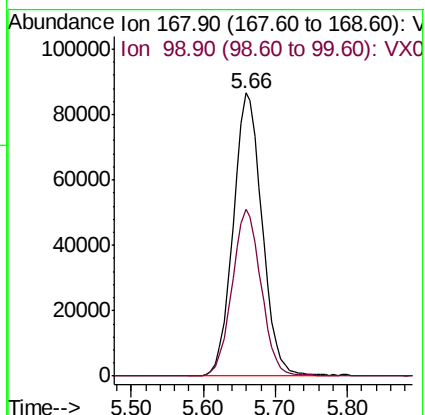
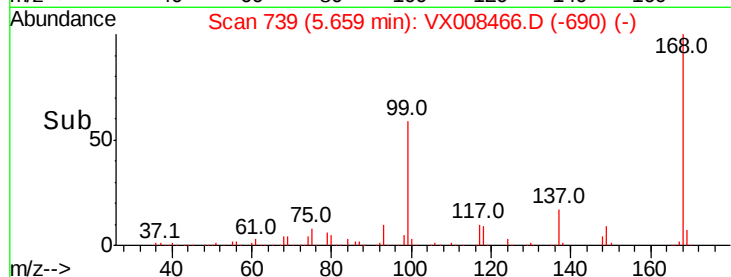
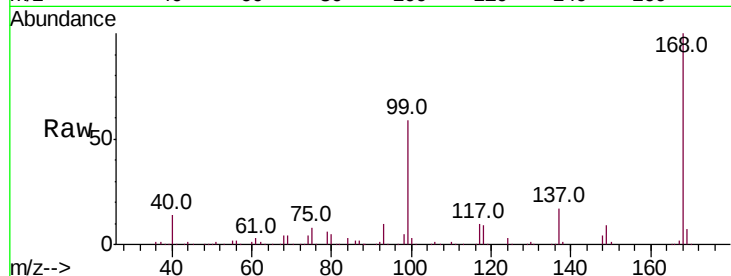
MW-106DL

Tot Ion:168 Resp: 241560

Ion Ratio Lower Upper

168 100

99 58.9 46.0 69.0



#16

Acetone

Concen: 3.426 ug/l

RT: 2.44 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX008466.D

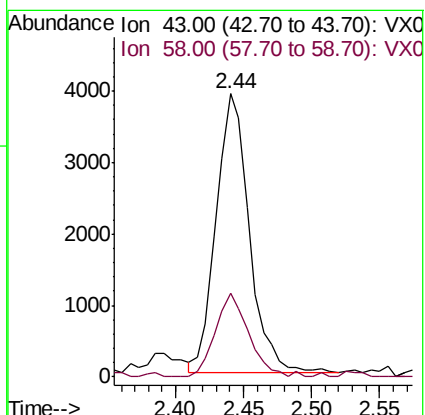
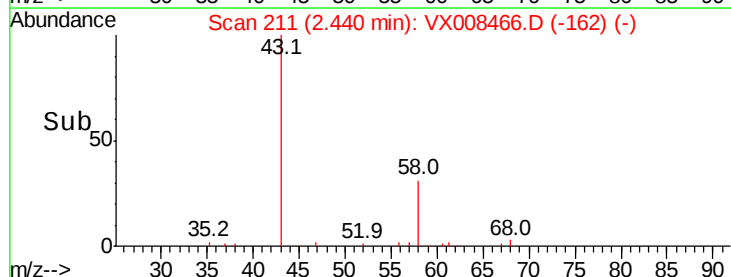
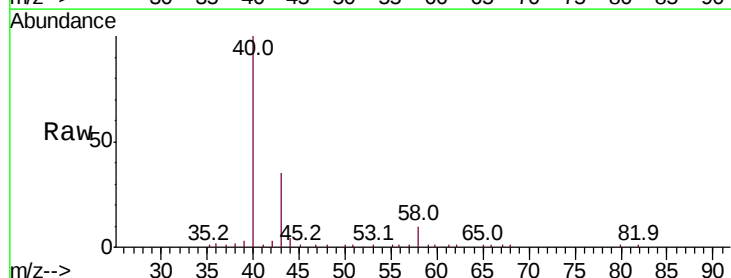
Acq: 26 Mar 2019 19:54

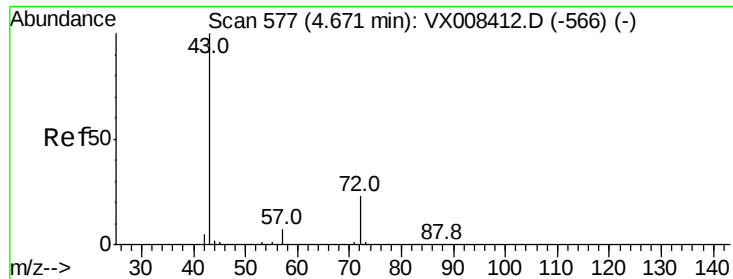
Tgt Ion: 43 Resp: 6558

Ion Ratio Lower Upper

43 100

58 30.2 24.2 36.2





#25

2-Butanone

Concen: 2.309 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX008466.D

Acq: 26 Mar 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

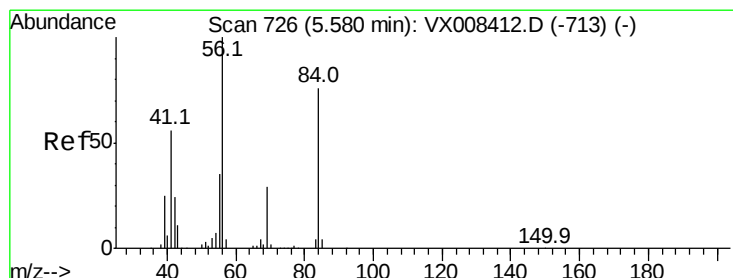
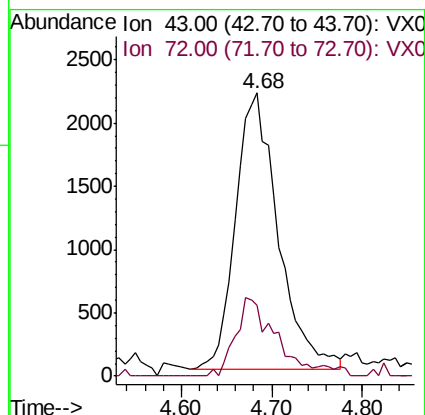
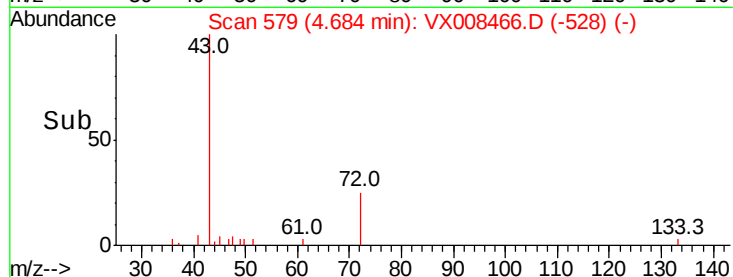
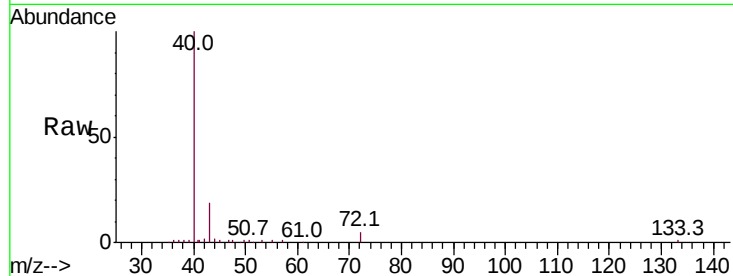
MW-106DL

Tot Ion: 43 Resp: 7085

Ion Ratio Lower Upper

43 100

72 25.6 18.6 28.0



#31

Cyclohexane

Concen: 0.766 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX008466.D

Acq: 26 Mar 2019 19:54

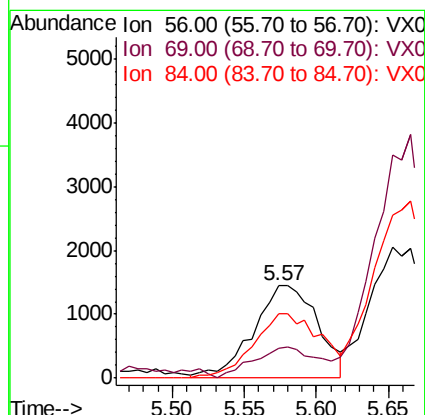
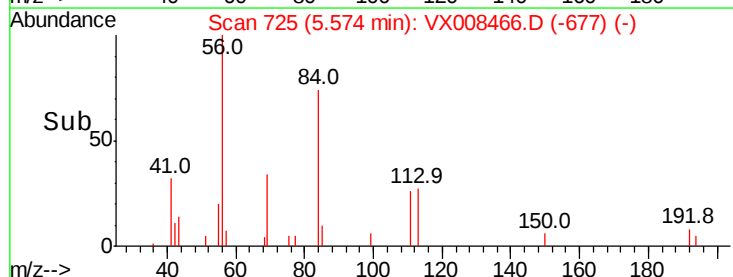
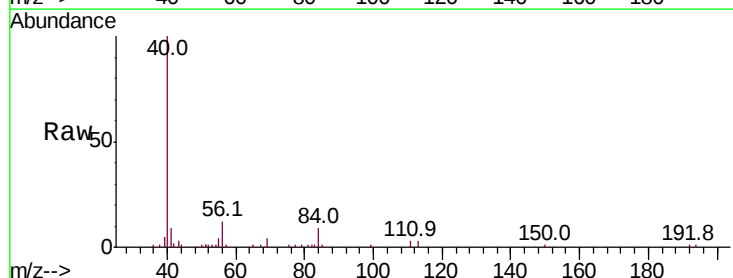
Tgt Ion: 56 Resp: 4494

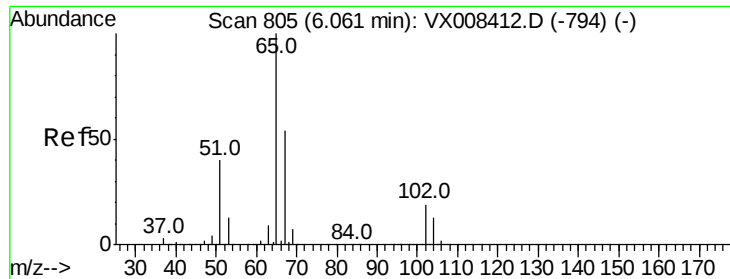
Ion Ratio Lower Upper

56 100

69 25.7 23.2 34.8

84 72.1 60.7 91.1

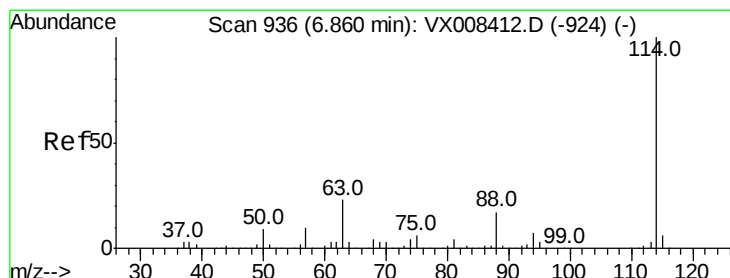
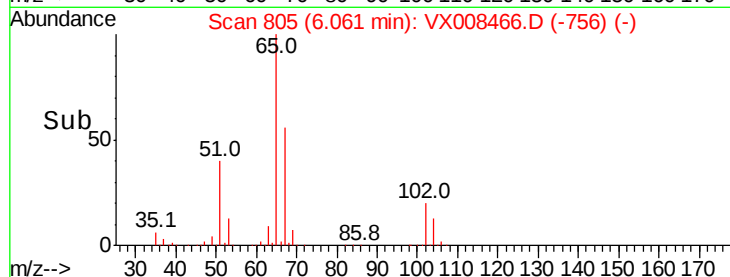
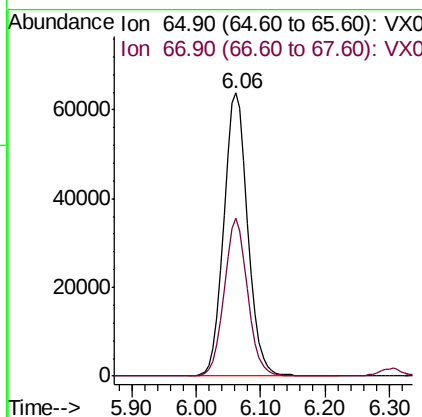
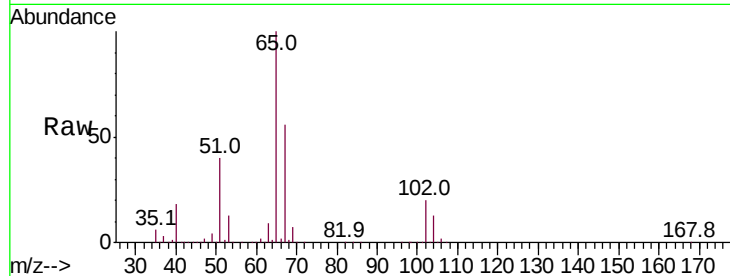




#33
 1,2-Dichloroethane-d4
 Concen: 45.801 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX008466.D
 Acq: 26 Mar 2019 19:54

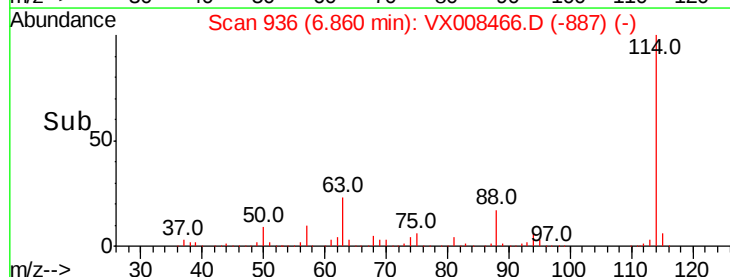
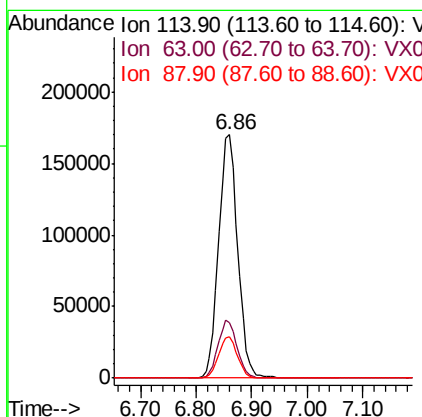
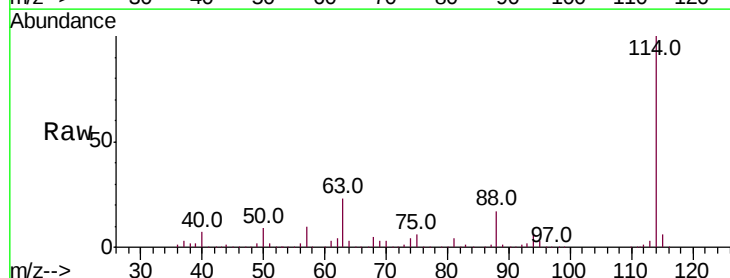
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-106DL

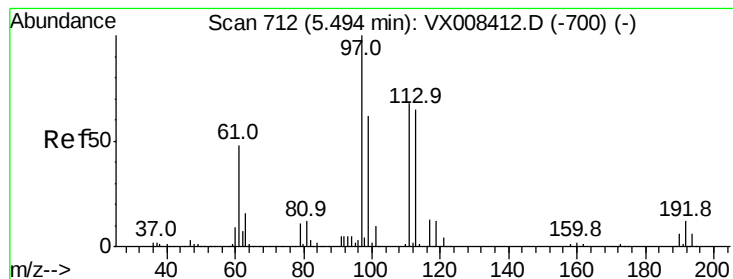
Tot Ion: 65 Resp: 167729
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX008466.D
 Acq: 26 Mar 2019 19:54

Tgt Ion: 114 Resp: 406291
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 46.4
 88 17.0 0.0 33.2





#35

Dibromofluoromethane

Concen: 46.833 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX008466.D

Acq: 26 Mar 2019 19:54

Instrument :

MSVOA_X

ClientSampled :

MW-106DL

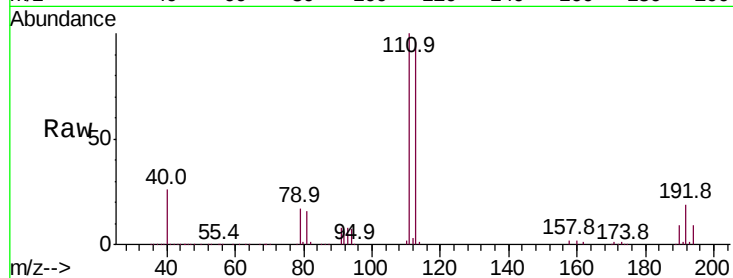
Tot Ion:113 Resp: 124069

Ion Ratio Lower Upper

113 100

111 102.8 83.0 124.4

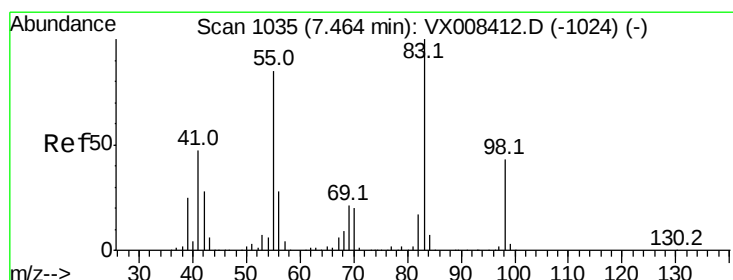
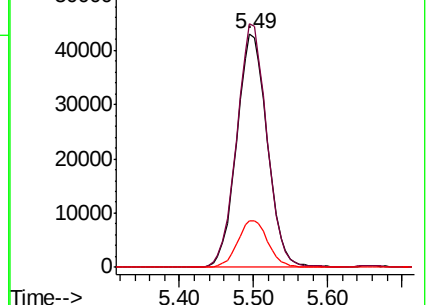
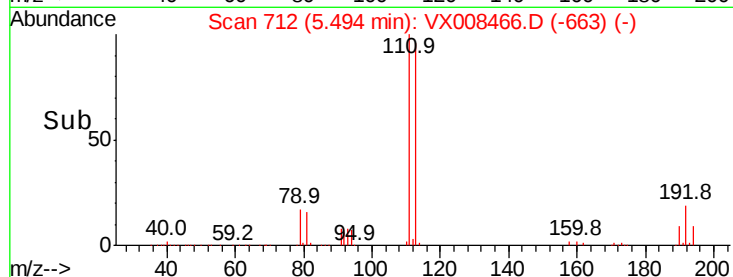
192 19.9 15.6 23.4



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: 0.413 ug/l

RT: 7.46 min Scan# 1034

Delta R.T. -0.01 min

Lab File: VX008466.D

Acq: 26 Mar 2019 19:54

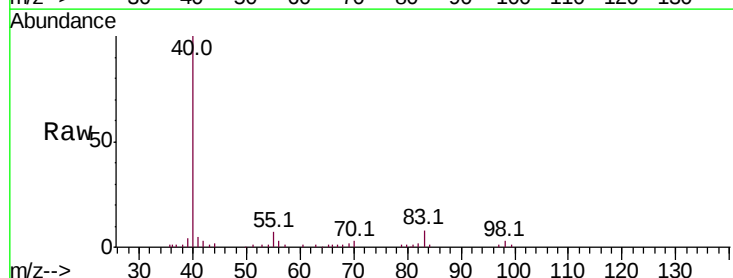
Tgt Ion: 83 Resp: 2138

Ion Ratio Lower Upper

83 100

55 91.5 68.2 102.4

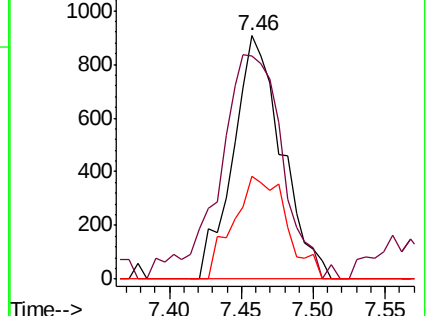
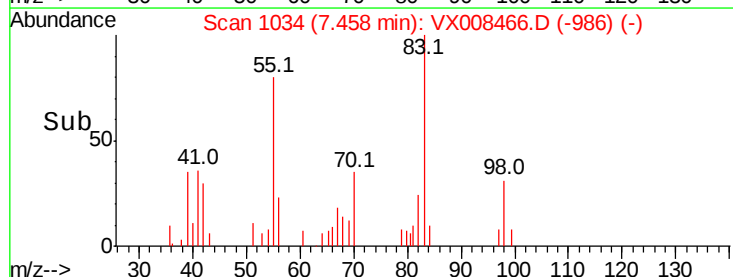
98 42.0 34.2 51.4

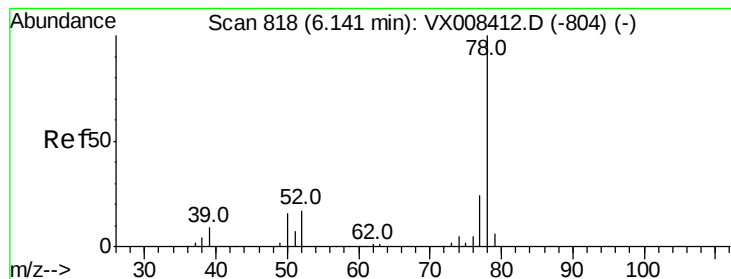


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 9.551 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX008466.D

Acq: 26 Mar 2019 19:54

Instrument :

MSVOA_X

ClientSampled :

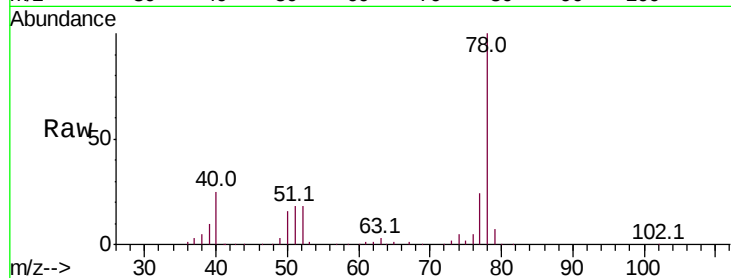
MW-106DL

Tot Ion: 78 Resp: 123863

Ion Ratio Lower Upper

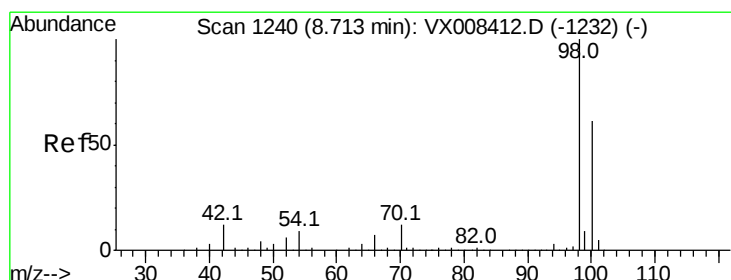
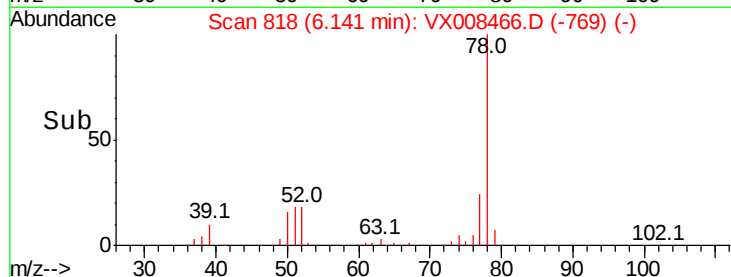
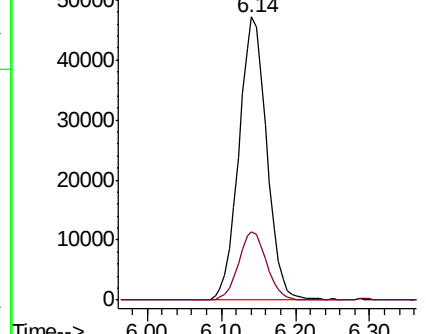
78 100

77 24.1 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: 48.321 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX008466.D

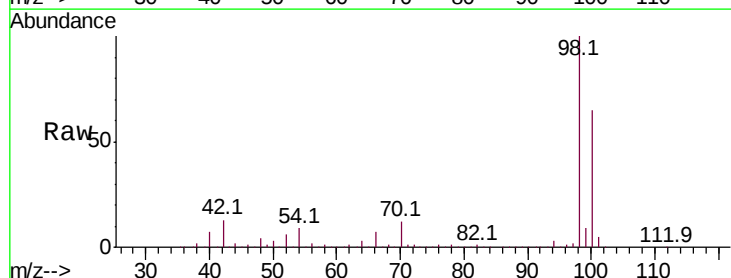
Acq: 26 Mar 2019 19:54

Tgt Ion: 98 Resp: 511869

Ion Ratio Lower Upper

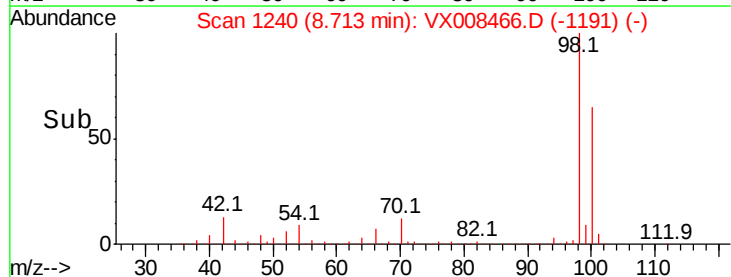
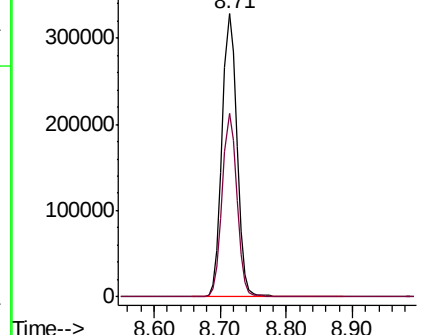
98 100

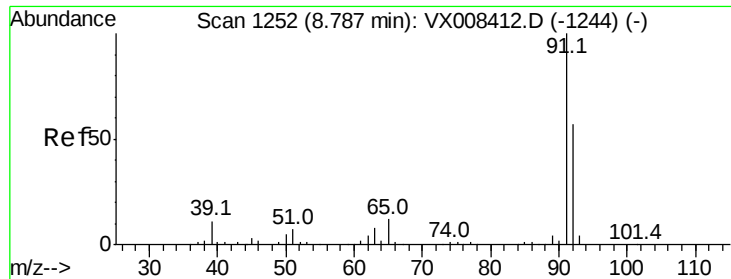
100 64.0 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 101.853 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX008466.D

Acq: 26 Mar 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

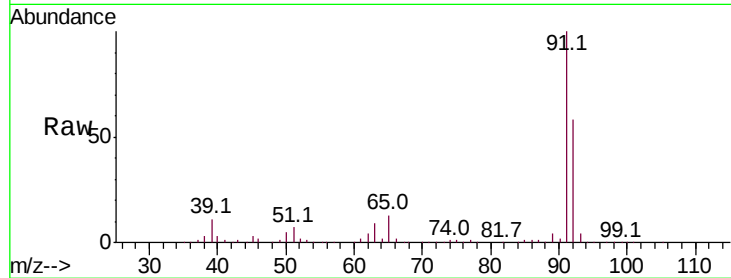
MW-106DL

Tot Ion: 92 Resp: 789812

Ion Ratio Lower Upper

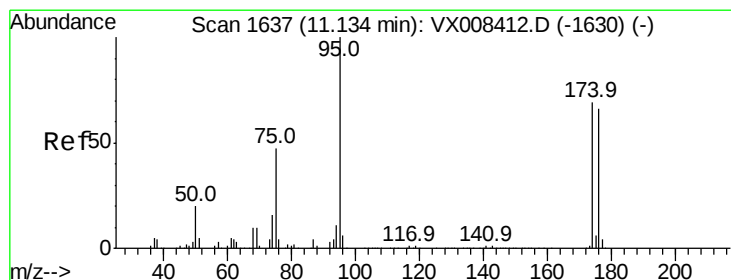
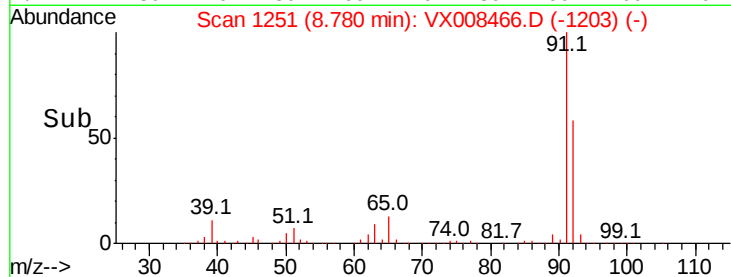
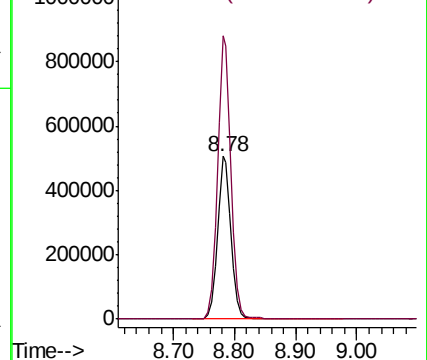
92 100

91 174.0 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 45.018 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX008466.D

Acq: 26 Mar 2019 19:54

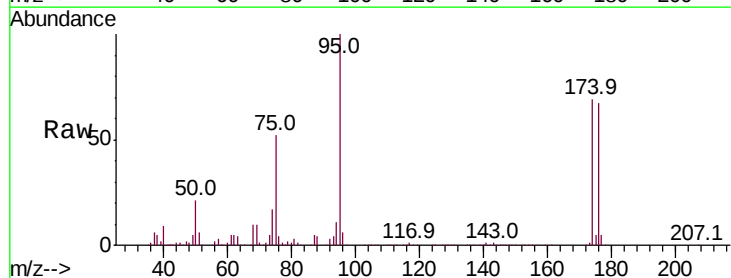
Tgt Ion: 95 Resp: 176712

Ion Ratio Lower Upper

95 100

174 74.3 0.0 147.2

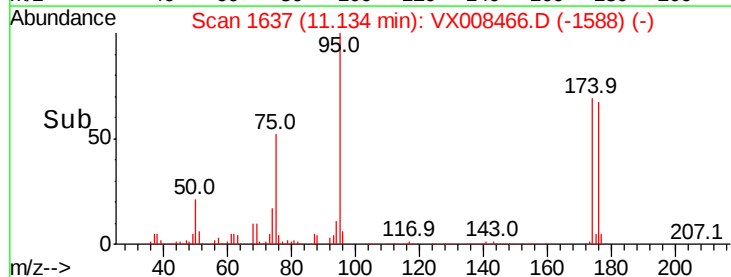
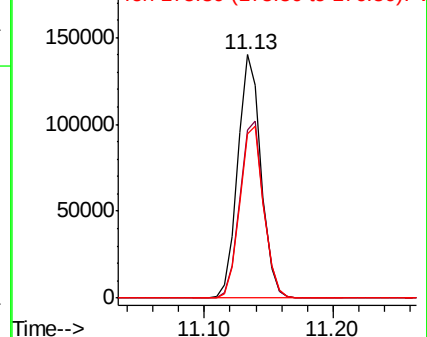
176 72.2 0.0 142.4

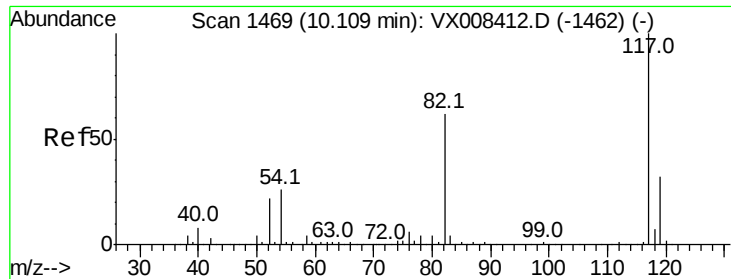


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

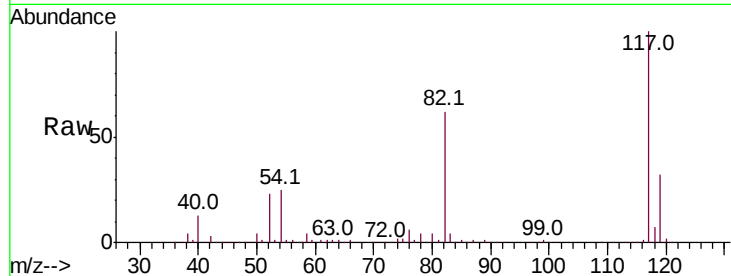




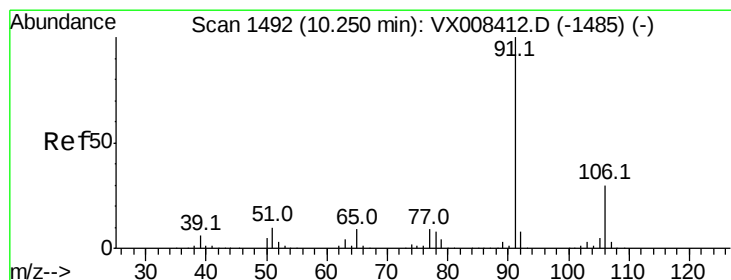
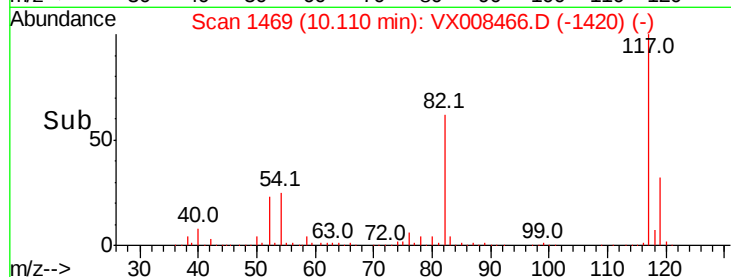
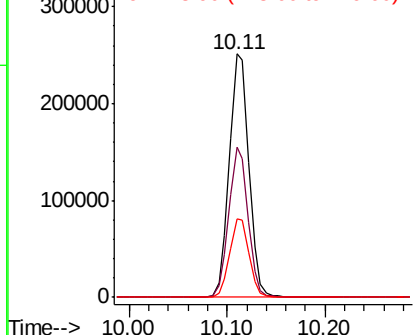
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX008466.D
Acq: 26 Mar 2019 19:54

Instrument :
MSVOA_X
ClientSampleId :
MW-106DL

Tot Ion:117 Resp: 351034
Ion Ratio Lower Upper
117 100
82 61.9 49.4 74.2
119 32.0 25.4 38.0

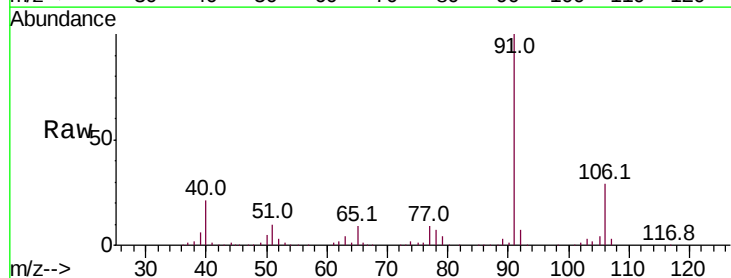


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

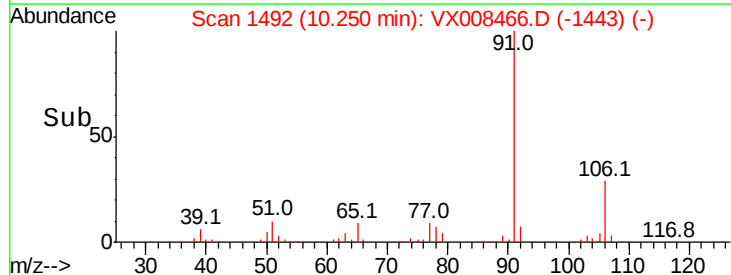
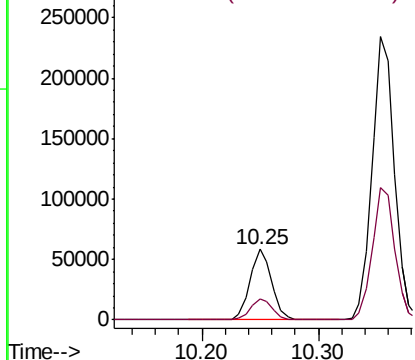


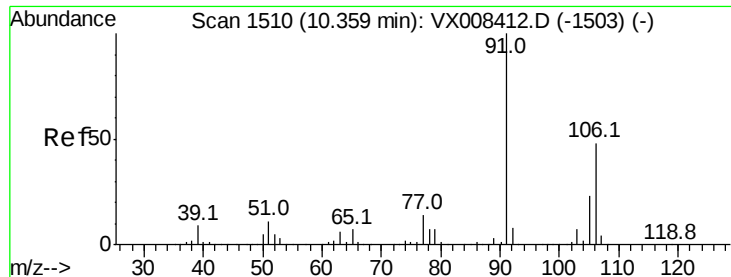
#67
Ethyl Benzene
Concen: 5.284 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX008466.D
Acq: 26 Mar 2019 19:54

Tgt Ion: 91 Resp: 76131
Ion Ratio Lower Upper
91 100
106 28.9 24.0 36.0



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

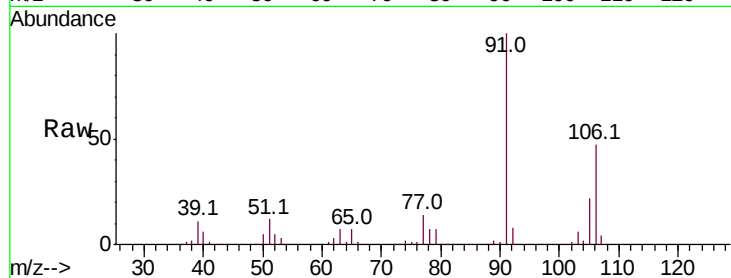




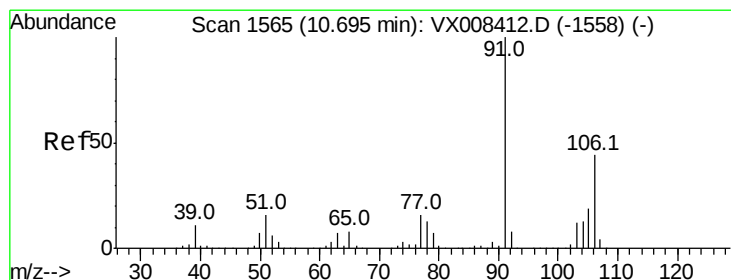
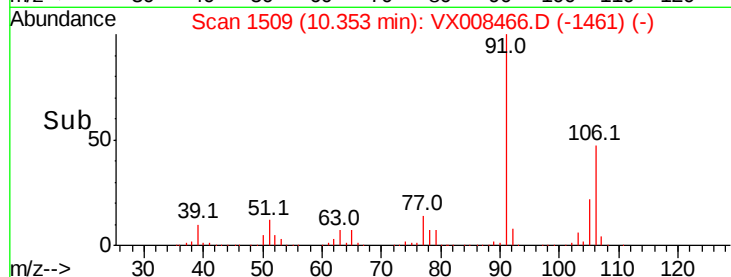
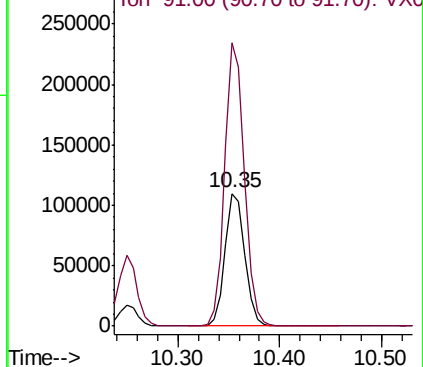
#68
m/p-Xylenes
Concen: 28.202 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX008466.D
Acq: 26 Mar 2019 19:54

Instrument :
MSVOA_X
ClientSampled :
MW-106DL

Tot Ion:106 Resp: 147818
Ion Ratio Lower Upper
106 100
91 210.9 168.6 253.0

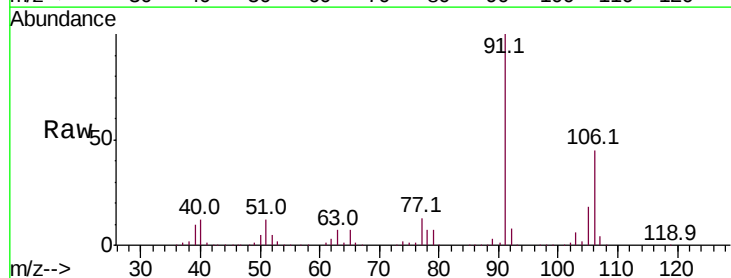


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

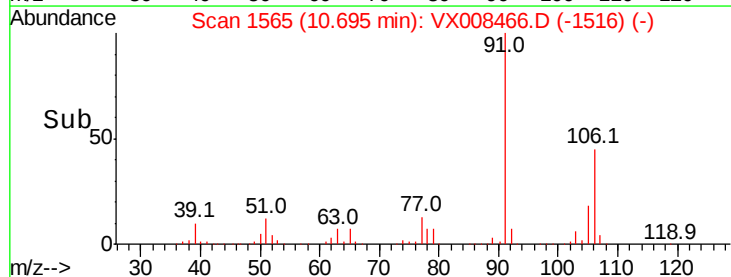
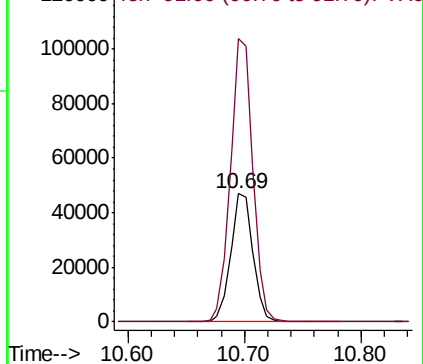


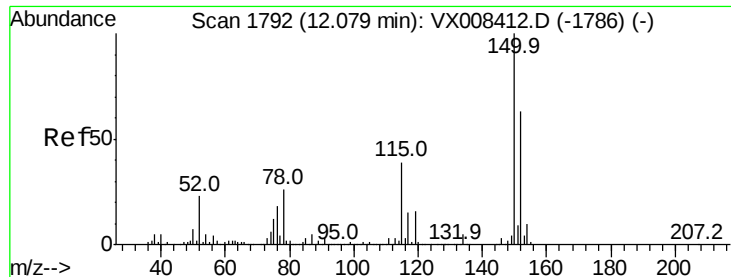
#69
o-Xylene
Concen: 12.318 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX008466.D
Acq: 26 Mar 2019 19:54

Tgt Ion:106 Resp: 62653
Ion Ratio Lower Upper
106 100
91 222.4 111.4 334.2



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: VX008466.D

Acq: 26 Mar 2019 19:54

Instrument :

MSVOA_X

ClientSampled :

MW-106DL

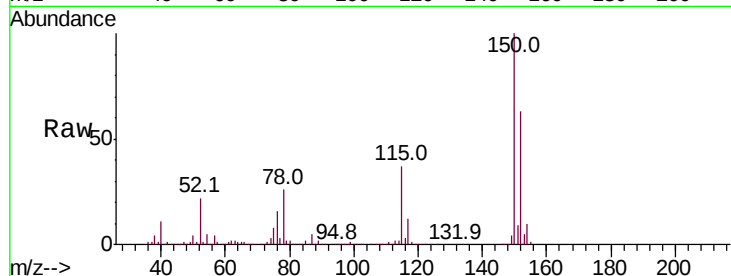
Tot Ion:152 Resp: 151653

Ion Ratio Lower Upper

152 100

115 61.8 43.5 130.5

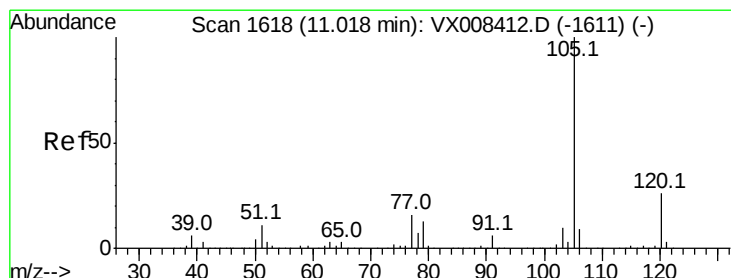
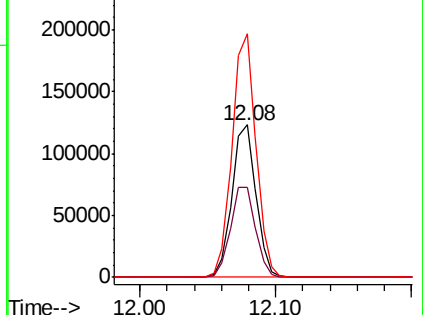
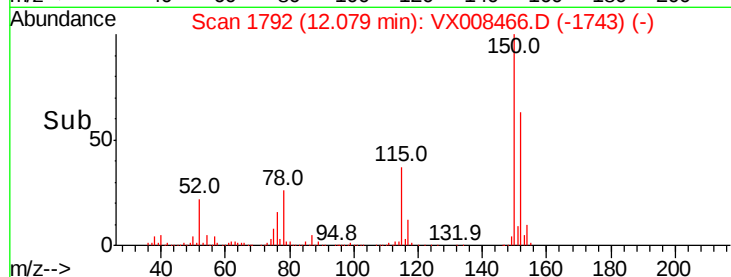
150 158.4 0.0 348.8



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: 0.433 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX008466.D

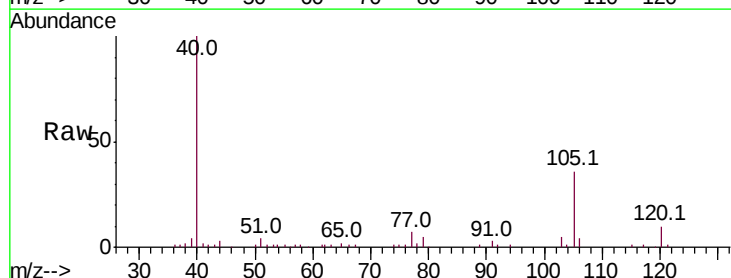
Acq: 26 Mar 2019 19:54

Tgt Ion:105 Resp: 5343

Ion Ratio Lower Upper

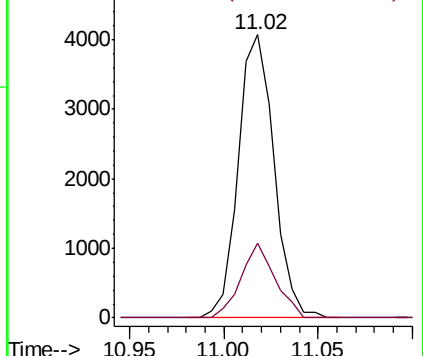
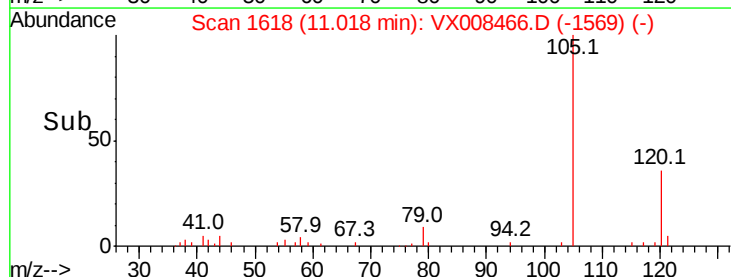
105 100

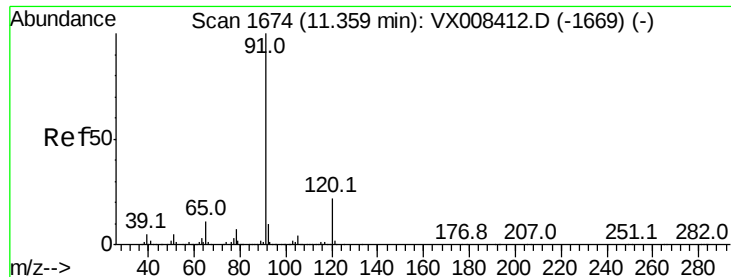
120 25.3 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 0.937 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX008466.D

Acq: 26 Mar 2019 19:54

Instrument :

MSVOA_X

ClientSampled :

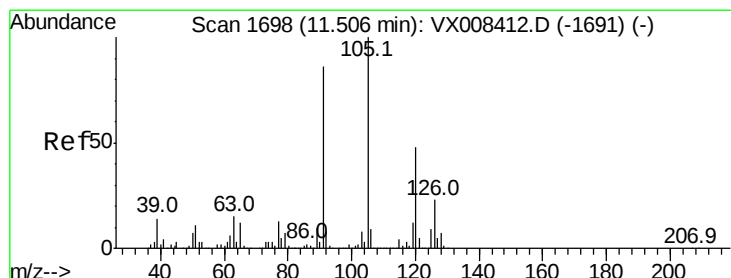
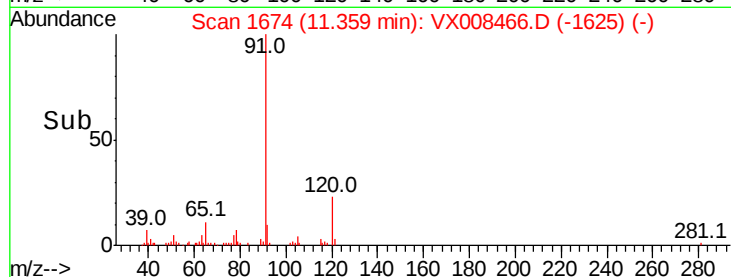
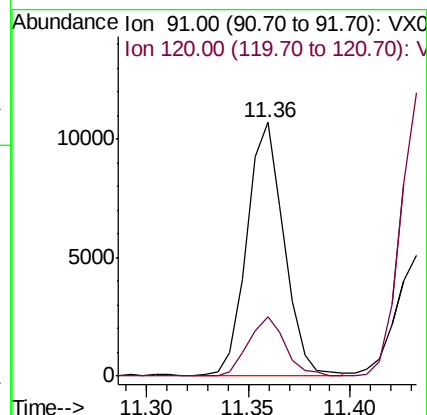
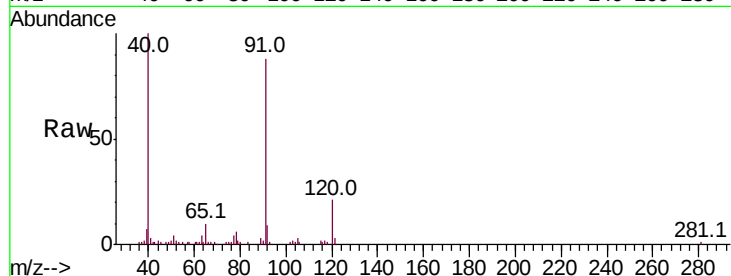
MW-106DL

Tot Ion: 91 Resp: 13547

Ion Ratio Lower Upper

91 100

120 23.1 10.8 32.4



#80

1,3,5-Trimethylbenzene

Concen: 1.970 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX008466.D

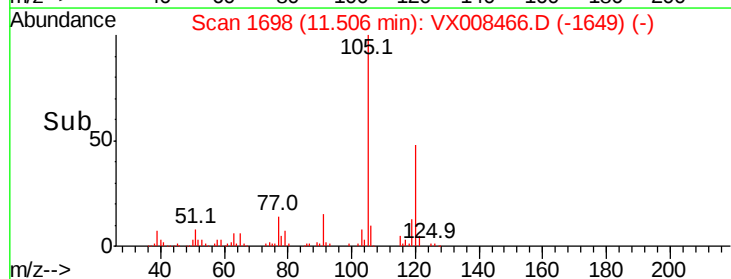
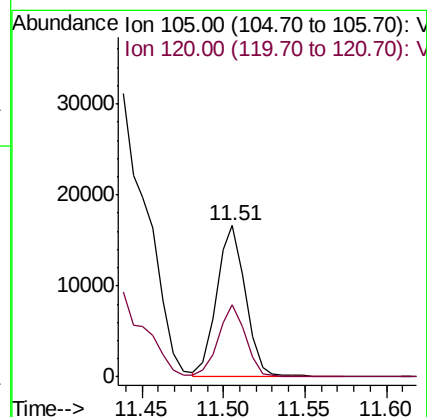
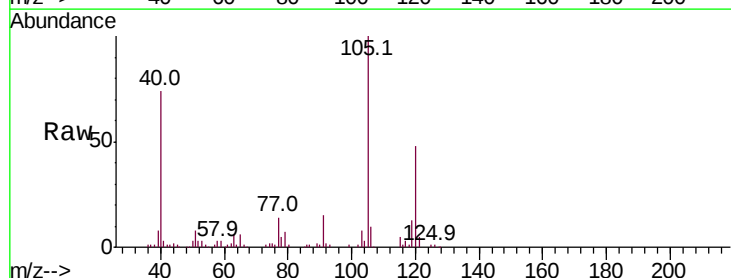
Acq: 26 Mar 2019 19:54

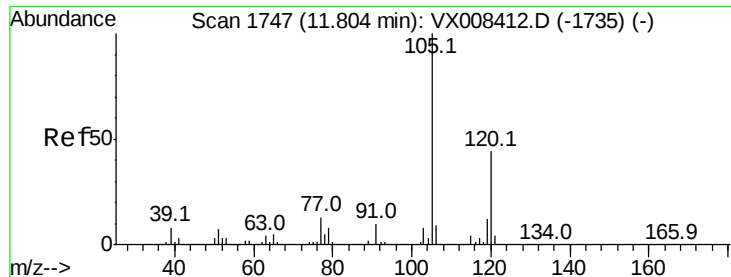
Tgt Ion: 105 Resp: 20549

Ion Ratio Lower Upper

105 100

120 45.0 23.4 70.3





#84

1,2,4-Trimethylbenzene

Concen: 7.503 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX008466.D

Acq: 26 Mar 2019 19:54

Instrument :

MSVOA_X

ClientSampleId :

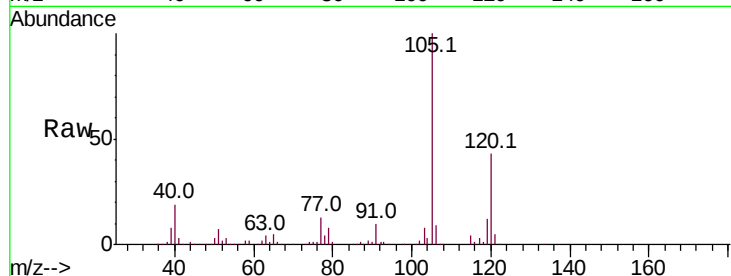
MW-106DL

Tot Ion:105 Resp: 79153

Ion Ratio Lower Upper

105 100

120 43.9 21.6 65.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.80

80000

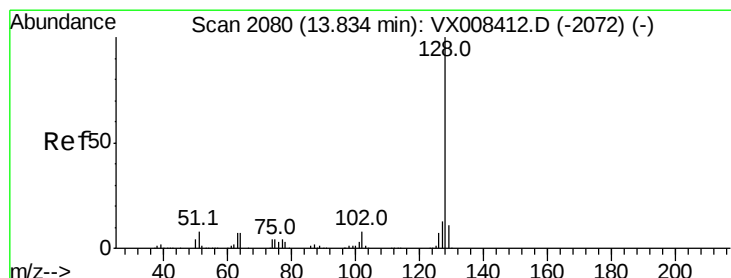
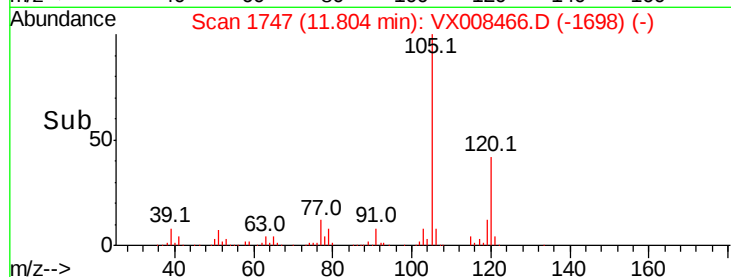
60000

40000

20000

0

Time--> 11.70 11.80 11.90



#95

Naphthalene

Concen: 2.030 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX008466.D

Acq: 26 Mar 2019 19:54

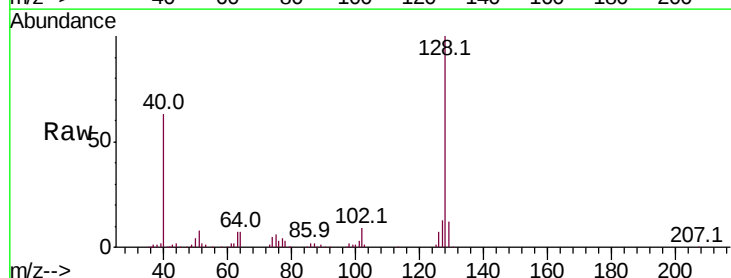
Tgt Ion:128 Resp: 25100

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

129 11.1 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

25000

20000

15000

10000

5000

0

Time--> 13.75 13.80 13.85 13.90

