

Data Path : Z:\voasrv\HPCHEM1\MSVOA X\Data\VX070219\
 Data File : VX010618.D
 Acq On : 02 Jul 2019 15:37
 Operator : JC/SP
 Sample : K3605-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 QNWP8-MW27S-GW

Quant Time: Jul 10 07:25:56 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	5.66	168	243108	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	377891	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	344819	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	171315	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	119291	52.33	ug/l	0.00
Spiked Amount			Recovery	=	104.66%	
35) Dibromofluoromethane	5.50	113	115860	50.11	ug/l	0.00
Spiked Amount			Recovery	=	100.22%	
50) Toluene-d8	8.71	98	444197	50.22	ug/l	0.00
Spiked Amount			Recovery	=	100.44%	
62) 4-Bromofluorobenzene	11.13	95	158417	49.61	ug/l	0.00
Spiked Amount			Recovery	=	99.22%	

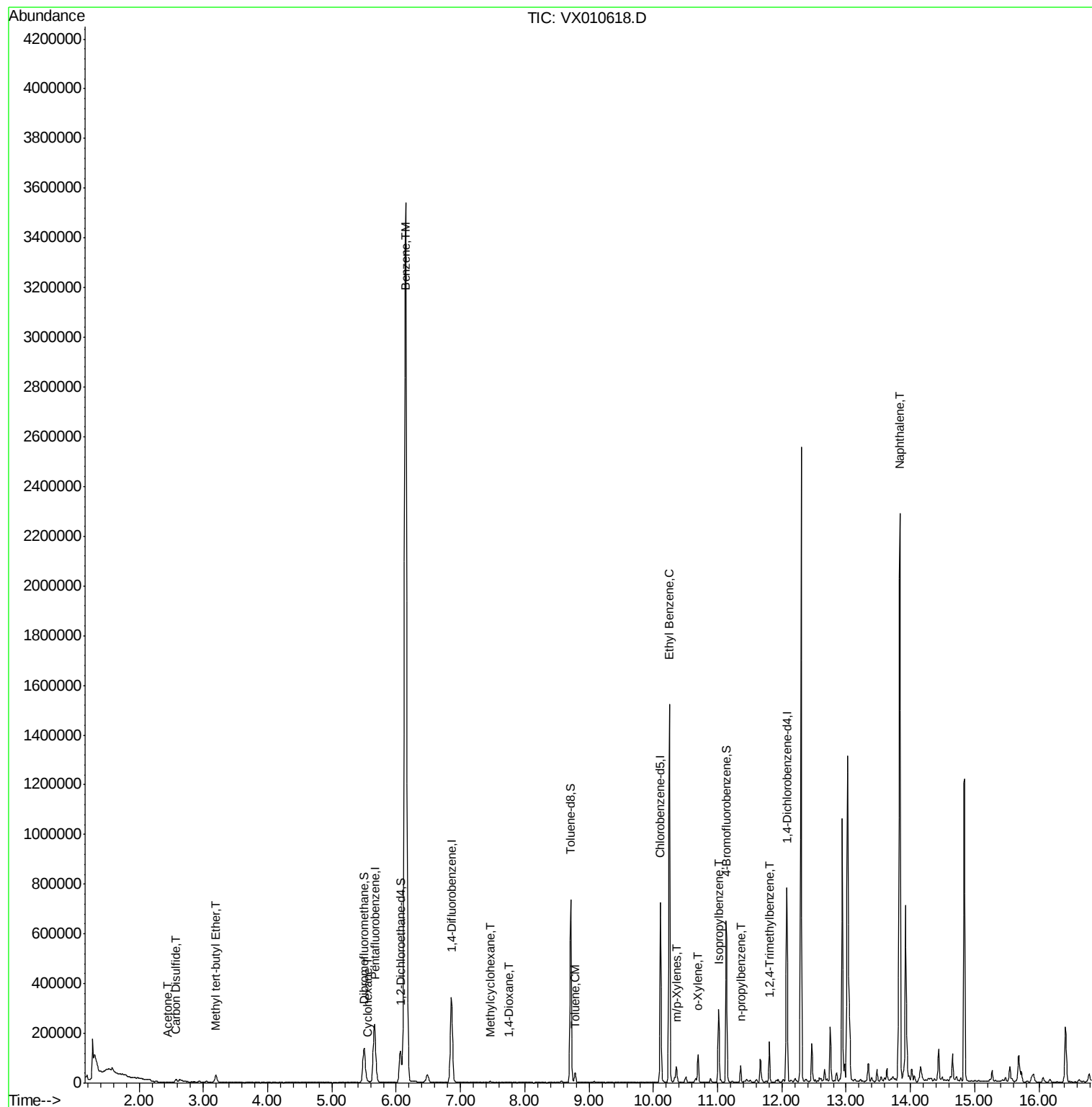
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.44	43	2991	2.618	ug/l #	84
17) Carbon Disulfide	2.57	76	18236	3.226	ug/l	97
19) Methyl tert-butyl Ether	3.20	73	32883	4.960	ug/l	99
31) Cyclohexane	5.57	56	2142	0.651	ug/l #	88
39) Methylcyclohexane	7.47	83	2556	0.648	ug/l #	79
40) Benzene	6.15	78	4362499	466.301	ug/l	98
49) 1,4-Dioxane	7.75	88	1798	26.271	ug/l #	94
52) Toluene	8.79	92	14750	2.394	ug/l	99
67) Ethyl Benzene	10.25	91	847538	71.714	ug/l	99
68) m/p-Xylenes	10.36	106	14418	3.149	ug/l	99
69) o-Xylene	10.69	106	25775	5.724	ug/l	96
73) Isopropylbenzene	11.02	105	157755	13.584	ug/l	99
78) n-propylbenzene	11.36	91	40762	3.194	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	66801	6.945	ug/l	99
95) Naphthalene	13.83	128	1379264	115.045	ug/l	100

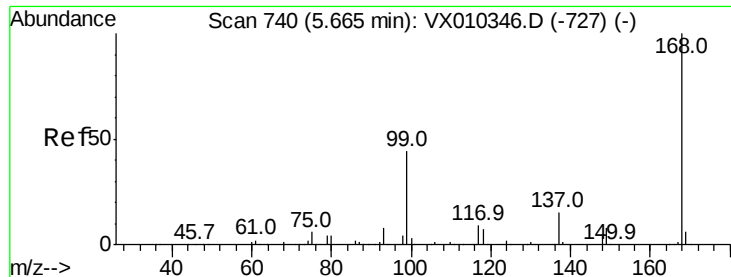
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX010618.D

Acq: 02 Jul 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

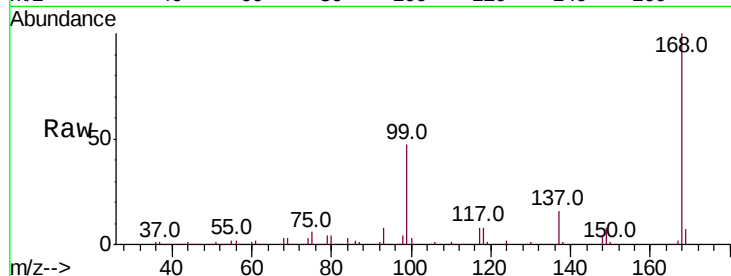
QNWP8-MW27S-GW

Tot Ion:168 Resp: 243108

Ion Ratio Lower Upper

168 100

99 46.9 35.5 53.3

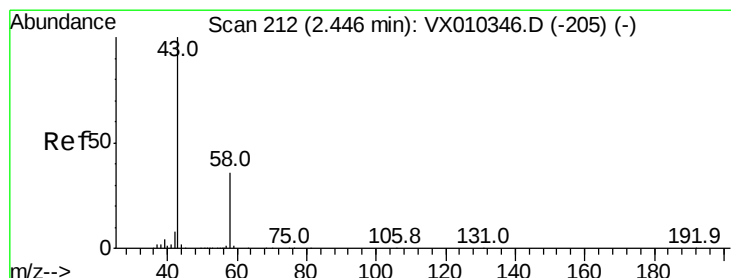
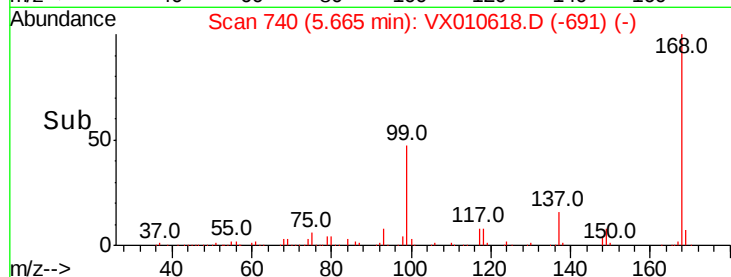


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

Time-->



#16

Acetone

Concen: 2.618 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010618.D

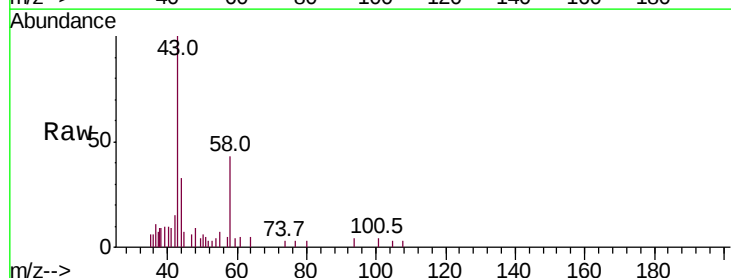
Acq: 02 Jul 2019 15:37

Tgt Ion: 43 Resp: 2991

Ion Ratio Lower Upper

43 100

58 45.5 28.9 43.3#

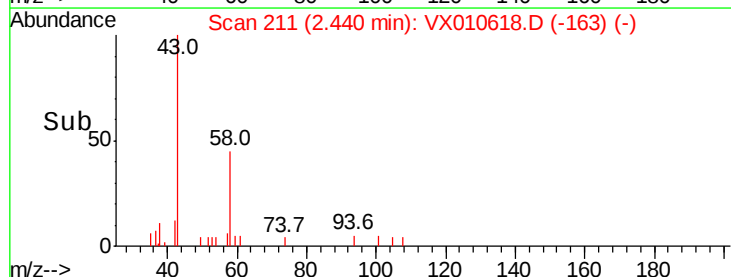


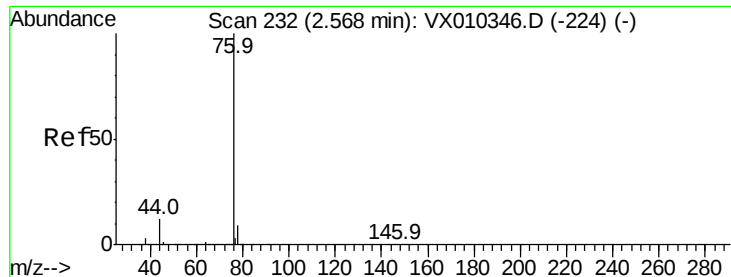
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

Time-->





#17

Carbon Disulfide

Concen: 3.226 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX010618.D

Acq: 02 Jul 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

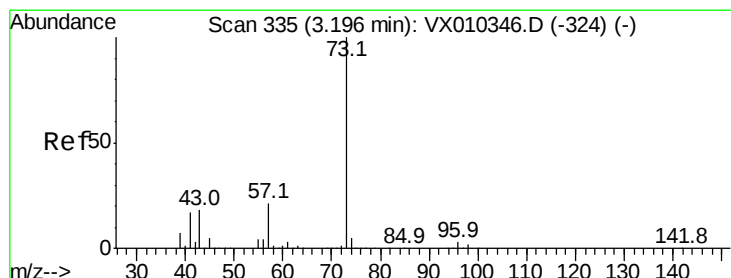
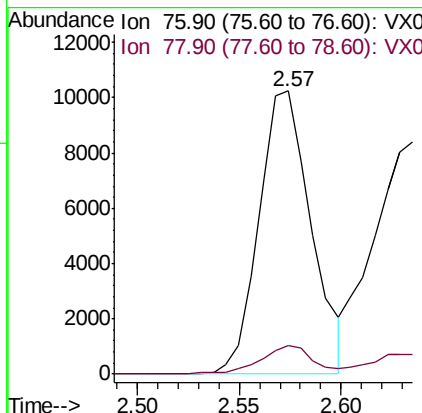
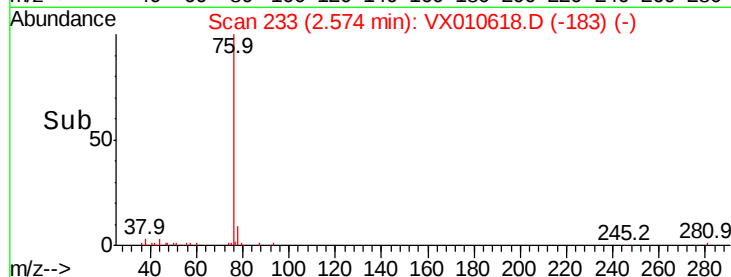
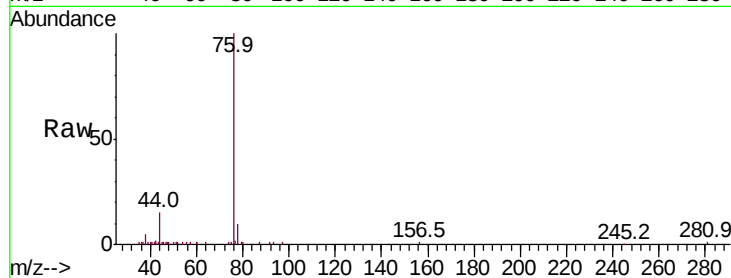
QNWP8-MW27S-GW

Tot Ion: 76 Resp: 18236

Ion Ratio Lower Upper

76 100

78 10.0 7.3 10.9



#19

Methyl tert-butyl Ether

Concen: 4.960 ug/l

RT: 3.20 min Scan# 335

Delta R.T. -0.00 min

Lab File: VX010618.D

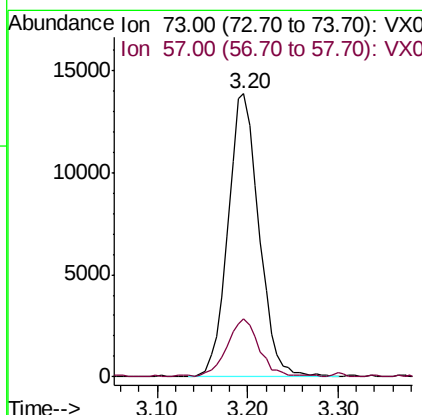
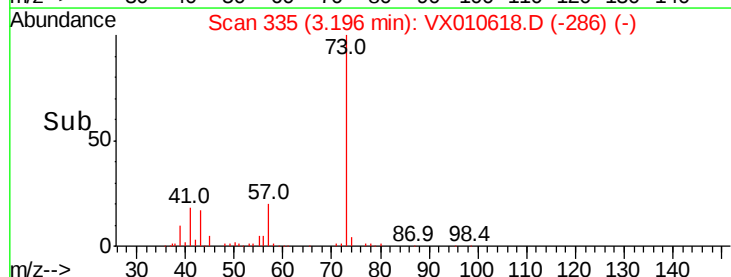
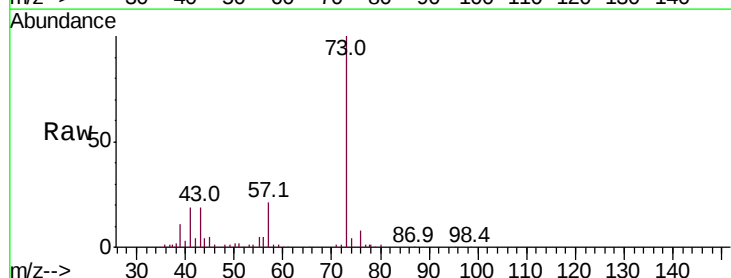
Acq: 02 Jul 2019 15:37

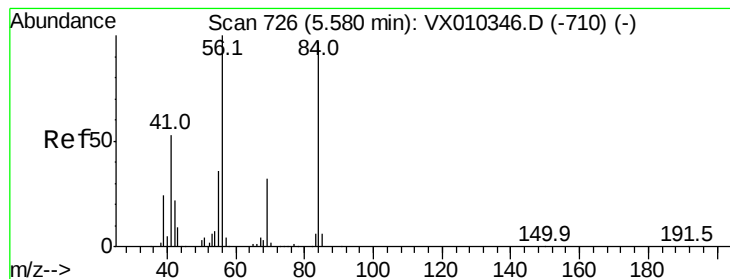
Tgt Ion: 73 Resp: 32883

Ion Ratio Lower Upper

73 100

57 20.3 16.4 24.6





#31

Cyclohexane

Concen: 0.651 ug/l

RT: 5.57 min Scan# 724

Delta R.T. -0.01 min

Lab File: VX010618.D

Acq: 02 Jul 2019 15:37

Instrument :

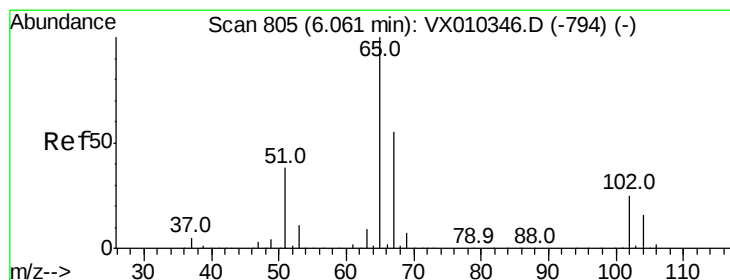
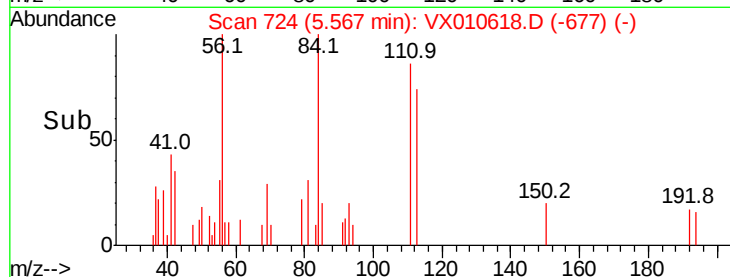
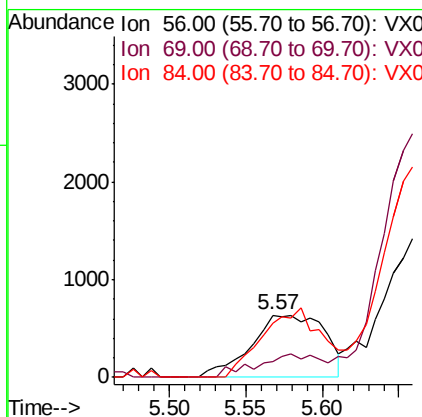
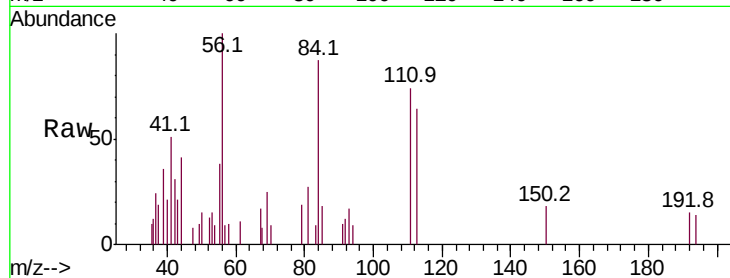
MSVOA_X

ClientSampleId :

QNWP8-MW27S-GW

Tot Ion: 56 Resp: 2142

Ion	Ratio	Lower	Upper
56	100		
69	24.9	25.9	38.9#
84	86.8	78.0	117.0



#33

1,2-Dichloroethane-d4

Concen: 52.335 ug/l

RT: 6.07 min Scan# 806

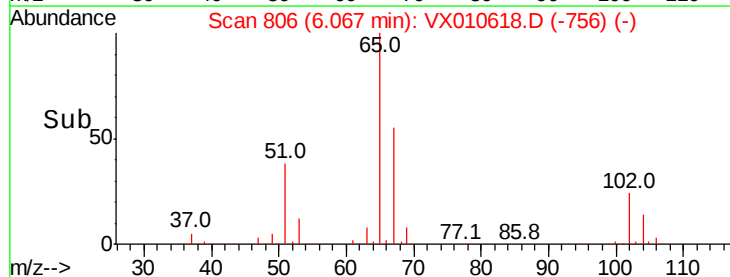
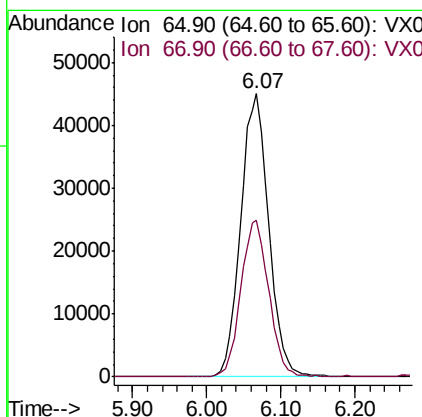
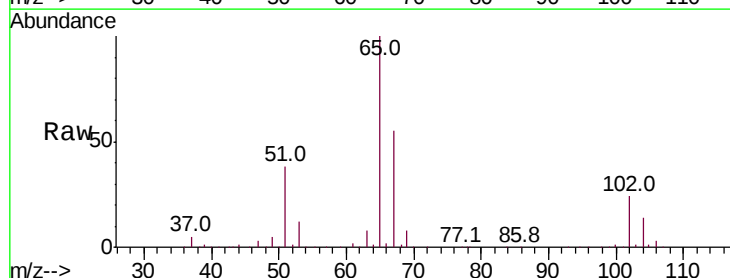
Delta R.T. 0.01 min

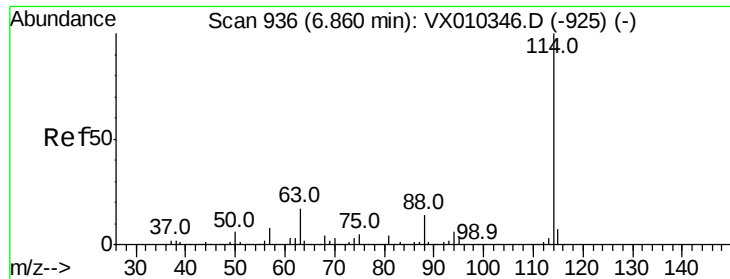
Lab File: VX010618.D

Acq: 02 Jul 2019 15:37

Tgt Ion: 65 Resp: 119291

Ion	Ratio	Lower	Upper
65	100		
67	54.9	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: VX010618.D

Acq: 02 Jul 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

QNWP8-MW27S-GW

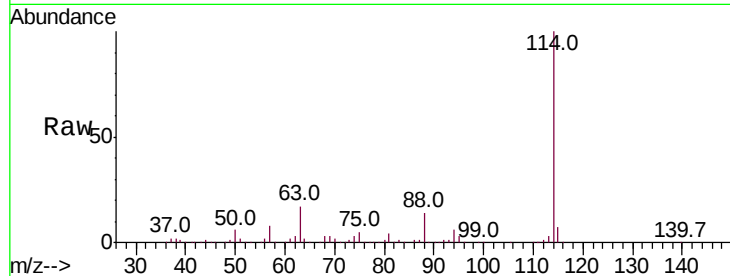
Tot Ion:114 Resp: 377891

Ion Ratio Lower Upper

114 100

63 16.7 0.0 33.8

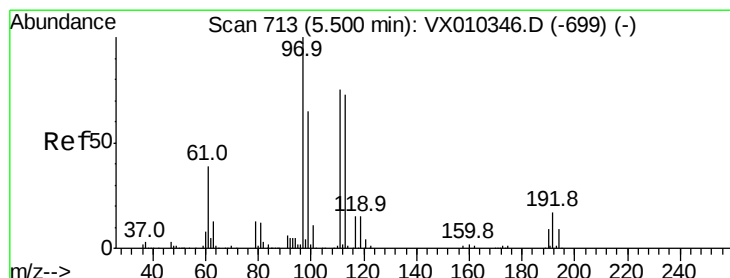
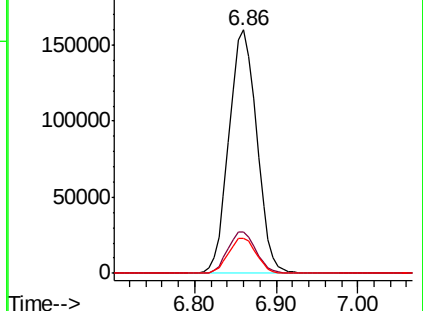
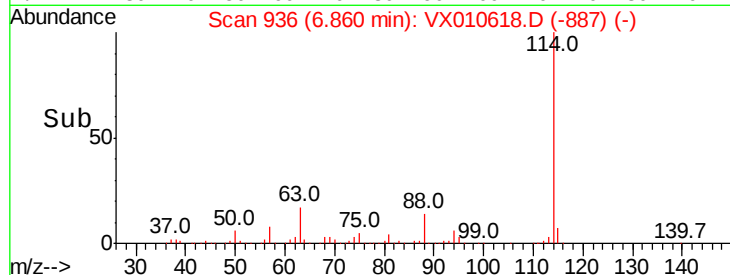
88 14.5 0.0 27.6



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: 50.111 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010618.D

Acq: 02 Jul 2019 15:37

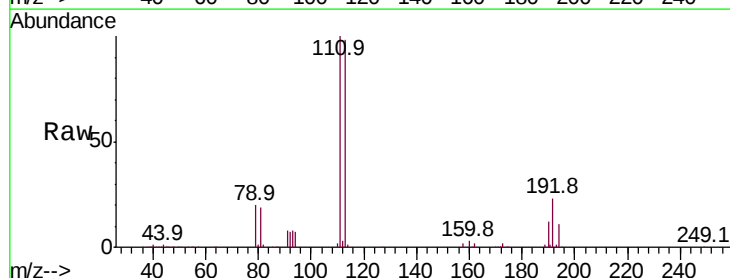
Tgt Ion:113 Resp: 115860

Ion Ratio Lower Upper

113 100

111 102.2 81.2 121.8

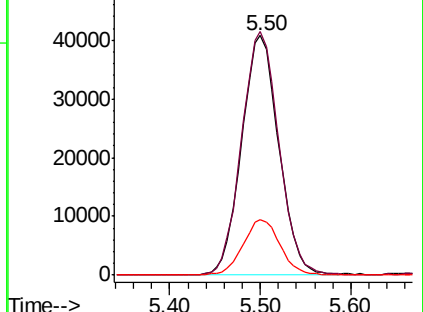
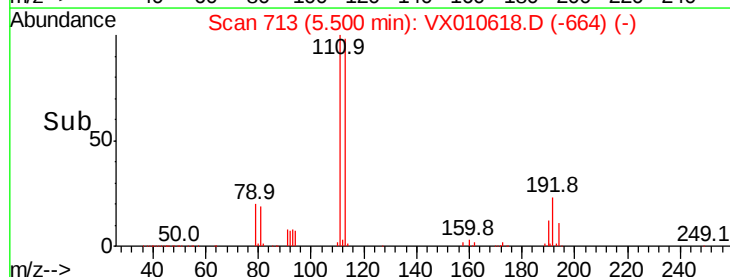
192 23.0 18.6 27.8

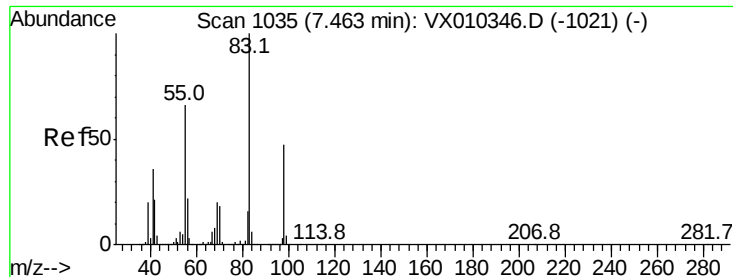


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#39

Methvlcvclohexane

Concen: 0.648 ug/l

RT: 7.47 min Scan# 1036

Delta R.T. 0.01 min

Lab File: VX010618.D

Acq: 02 Jul 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

QNWP8-MW27S-GW

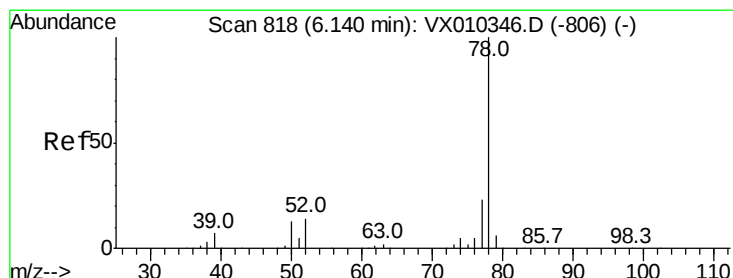
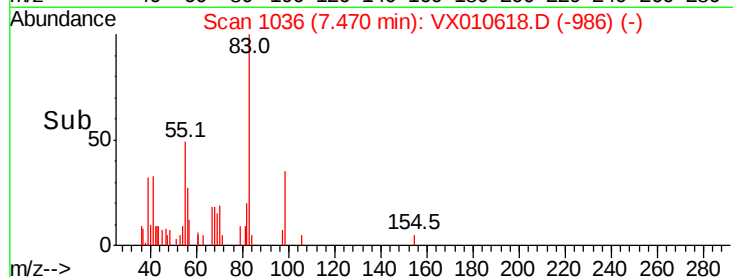
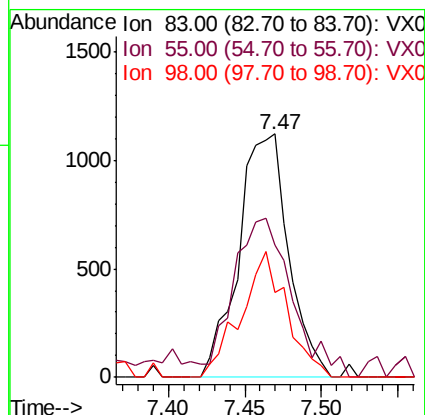
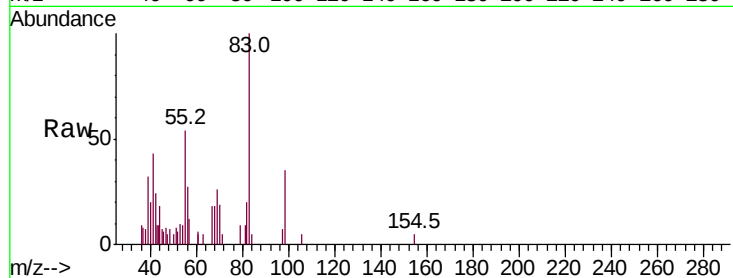
Tot Ion: 83 Resp: 2556

Ion Ratio Lower Upper

83 100

55 47.9 53.0 79.6#

98 34.6 37.8 56.8#



#40

Benzene

Concen: 466.301 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX010618.D

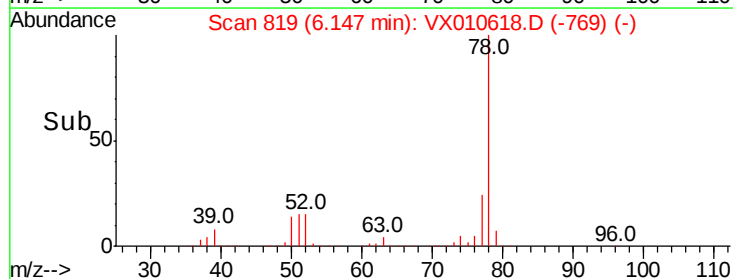
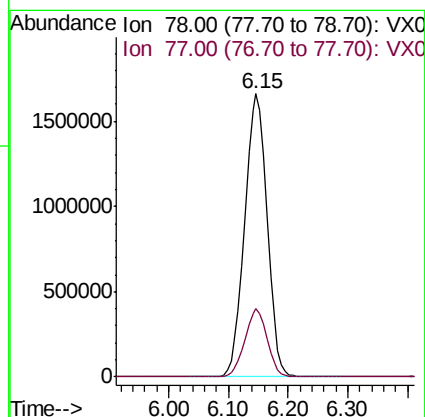
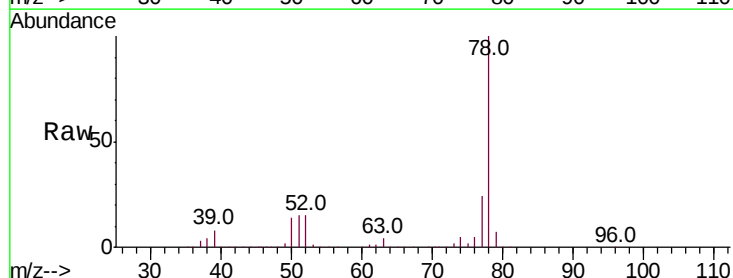
Acq: 02 Jul 2019 15:37

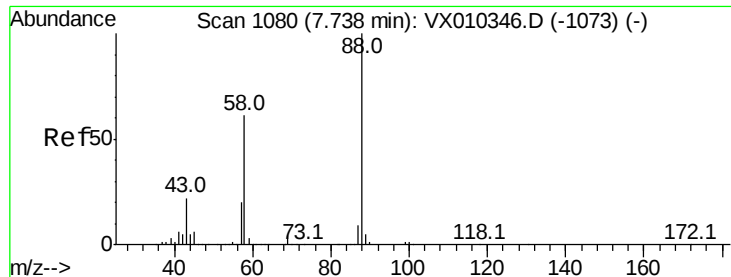
Tgt Ion: 78 Resp: 4362499

Ion Ratio Lower Upper

78 100

77 24.1 18.6 28.0

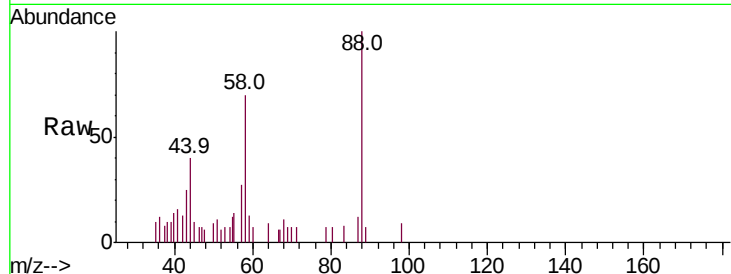




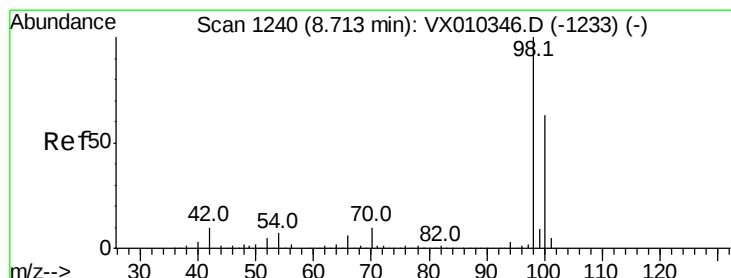
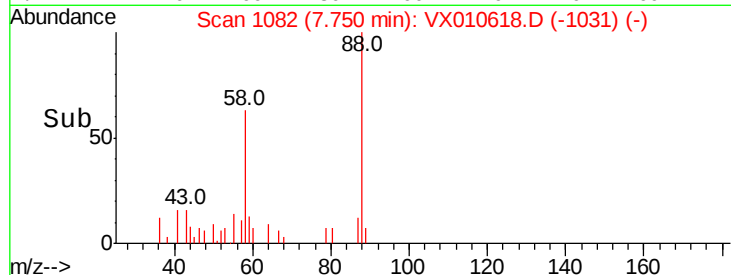
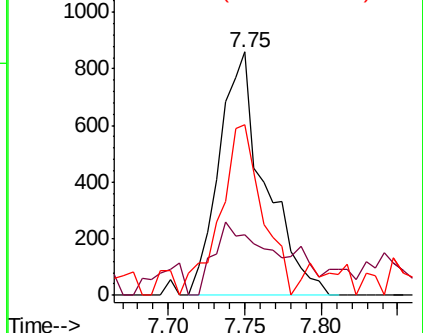
#49
1,4-Dioxane
Concen: 26.271 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. 0.01 min
Lab File: VX010618.D
Acq: 02 Jul 2019 15:37

Instrument :
MSVOA_X
ClientSampleId :
QNWP8-MW27S-GW

Tot Ion: 88 Resp: 1798
Ion Ratio Lower Upper
88 100
43 32.3 20.2 30.2#
58 64.2 49.5 74.3

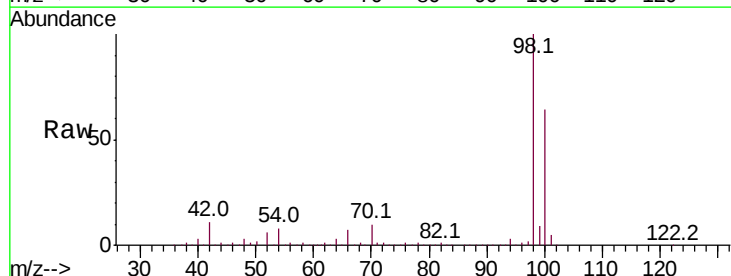


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

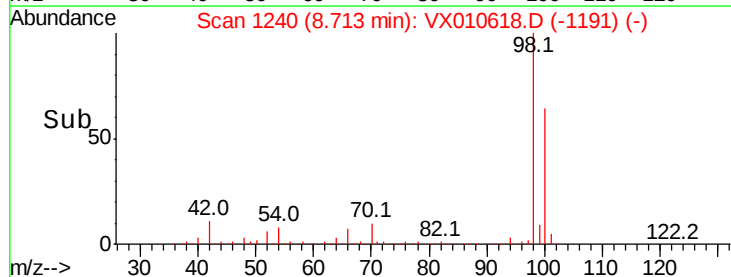
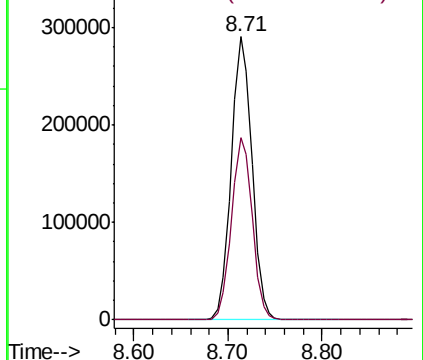


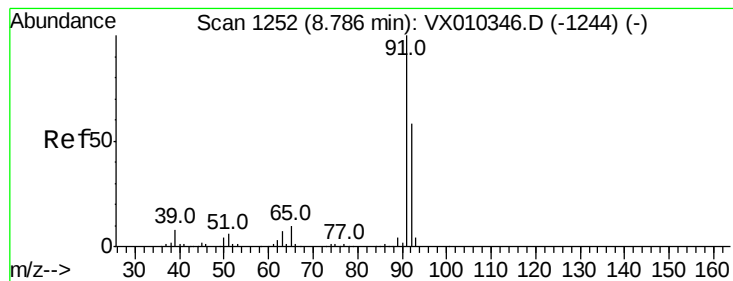
#50
Toluene-d8
Concen: 50.217 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010618.D
Acq: 02 Jul 2019 15:37

Tgt Ion: 98 Resp: 444197
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#52

Toluene

Concen: 2.394 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX010618.D

Acq: 02 Jul 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

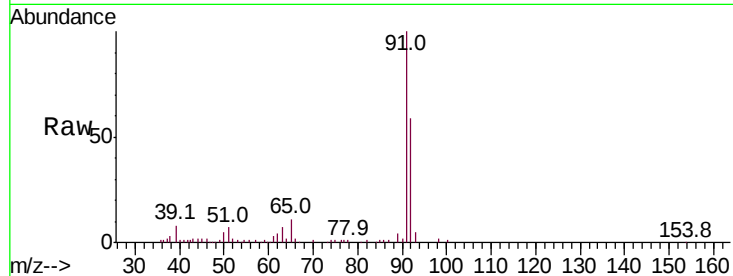
QNWP8-MW27S-GW

Tot Ion: 92 Resp: 14750

Ion Ratio Lower Upper

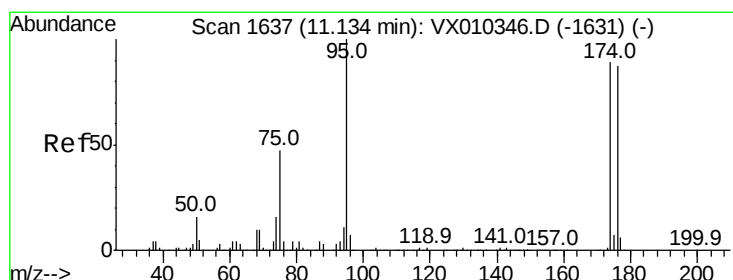
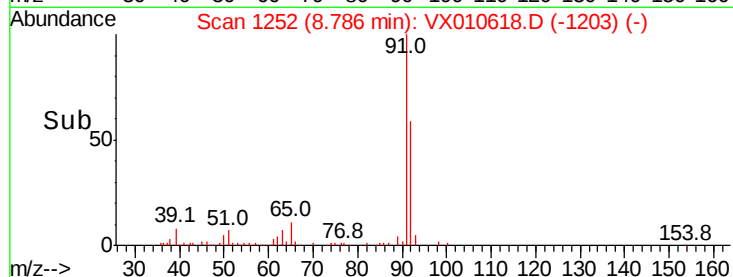
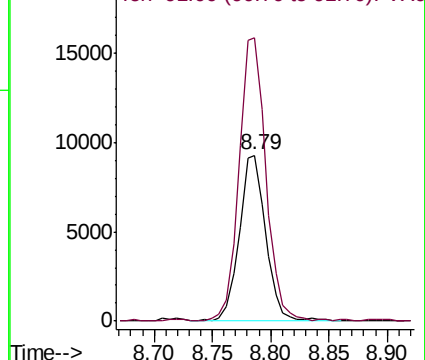
92 100

91 173.3 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 49.606 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010618.D

Acq: 02 Jul 2019 15:37

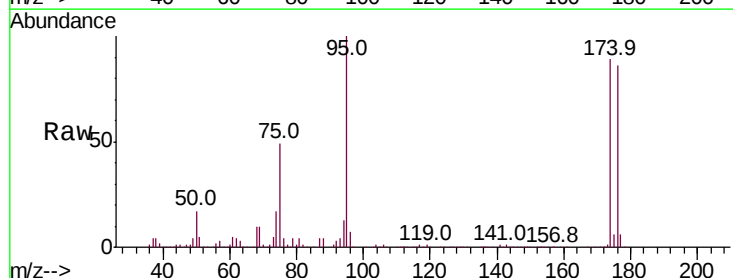
Tgt Ion: 95 Resp: 158417

Ion Ratio Lower Upper

95 100

174 94.5 0.0 187.6

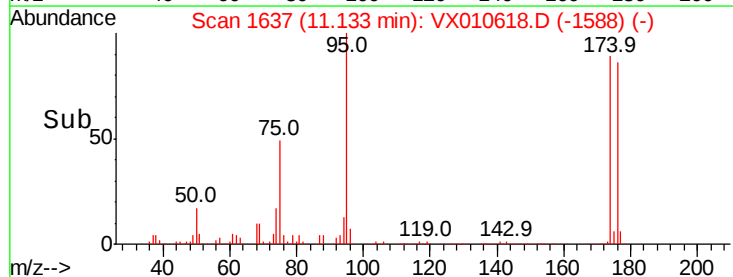
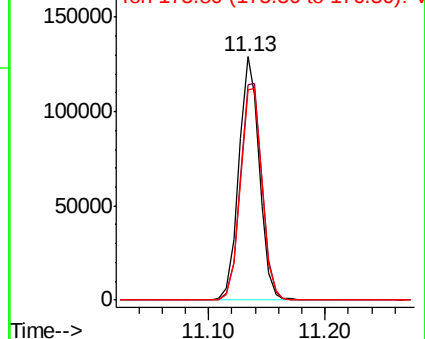
176 92.1 0.0 184.0

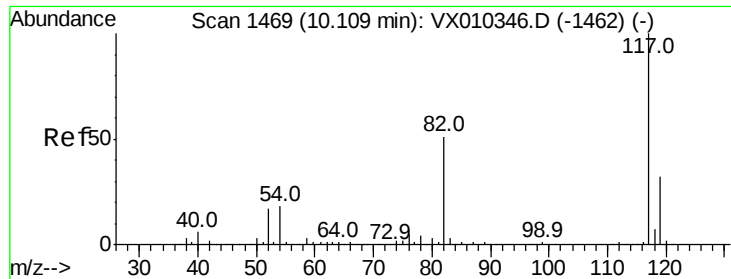


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

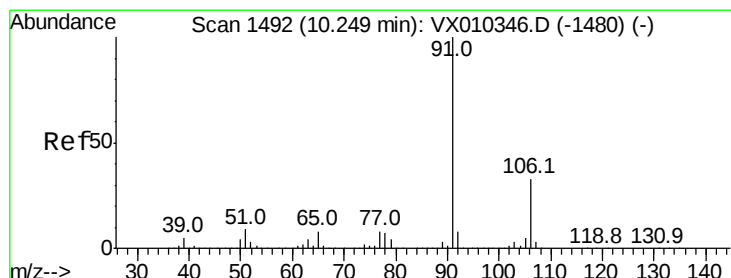
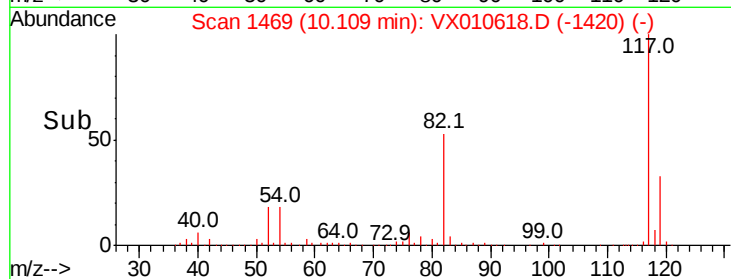
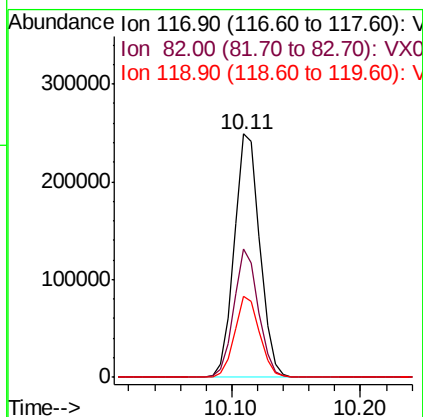
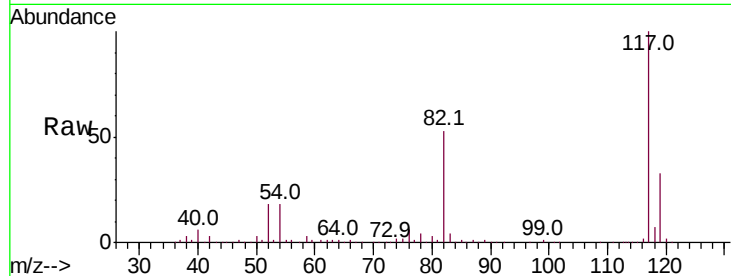




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010618.D
Acq: 02 Jul 2019 15:37

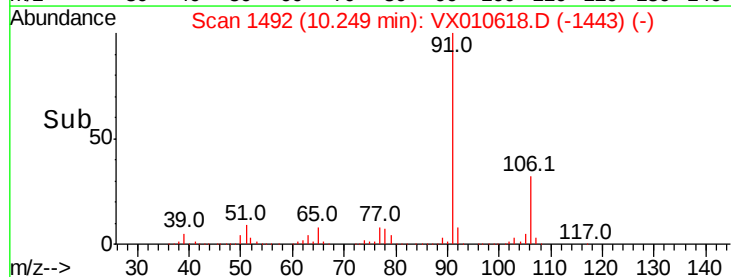
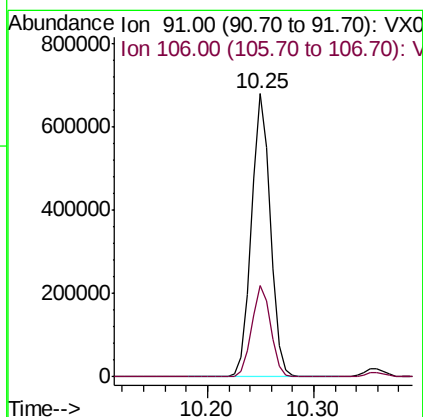
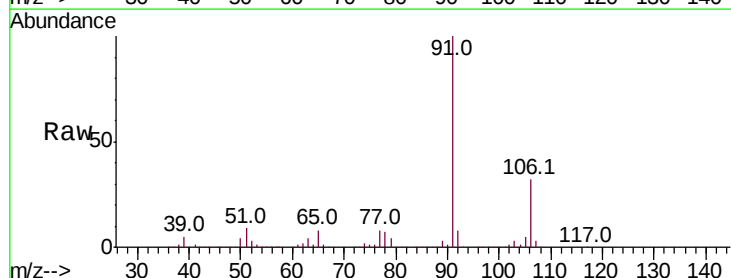
Instrument :
MSVOA_X
ClientSampleId :
QNWP8-MW27S-GW

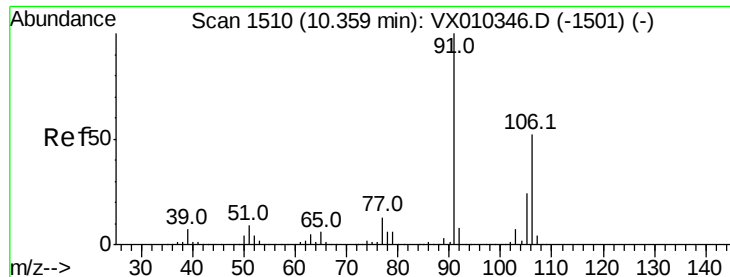
Tot Ion:117 Resp: 344819
Ion Ratio Lower Upper
117 100
82 52.5 41.2 61.8
119 33.1 25.5 38.3



#67
Ethyl Benzene
Concen: 71.714 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010618.D
Acq: 02 Jul 2019 15:37

Tgt Ion: 91 Resp: 847538
Ion Ratio Lower Upper
91 100
106 32.3 26.2 39.2

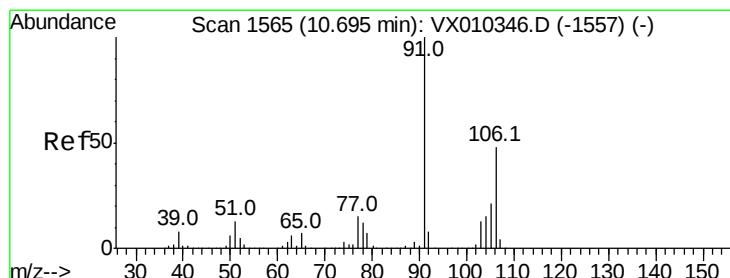
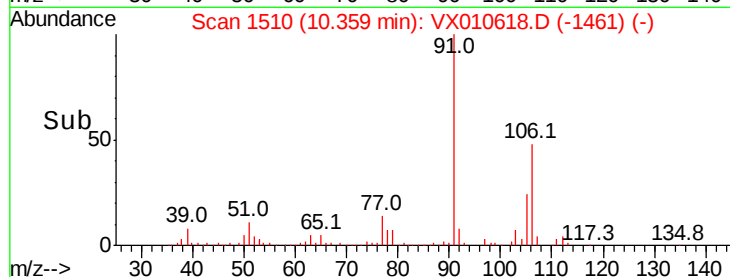
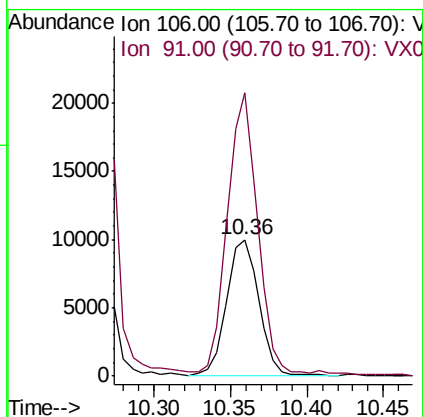
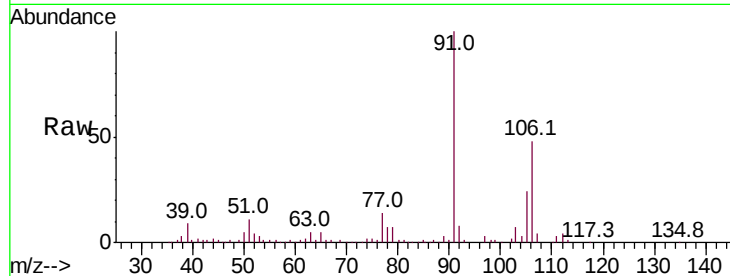




#68
m/p-Xylenes
Concen: 3.149 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX010618.D
Acq: 02 Jul 2019 15:37

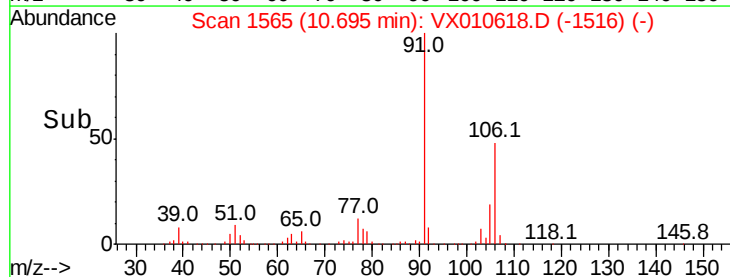
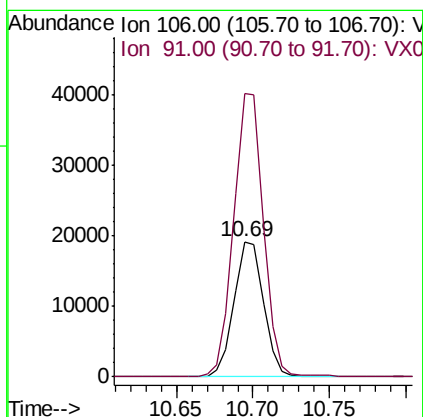
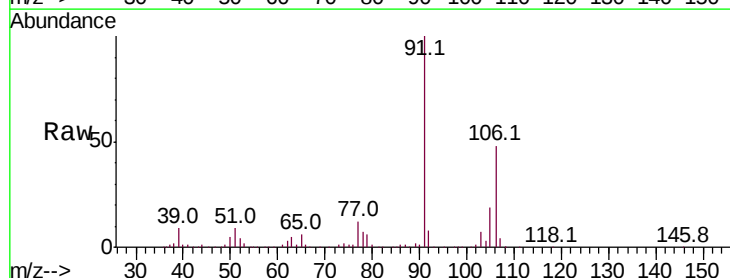
Instrument :
MSVOA_X
ClientSampleId :
QNWP8-MW27S-GW

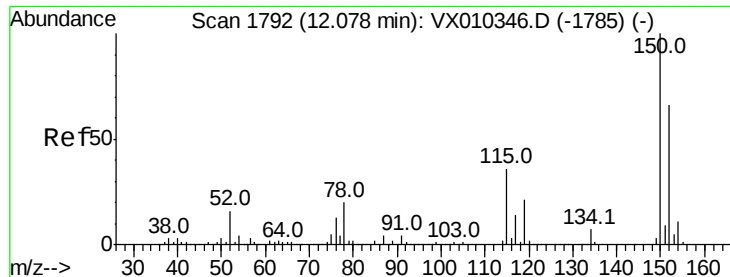
Tot Ion:106 Resp: 14418
Ion Ratio Lower Upper
106 100
91 193.2 155.3 232.9



#69
o-Xylene
Concen: 5.724 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010618.D
Acq: 02 Jul 2019 15:37

Tgt Ion:106 Resp: 25775
Ion Ratio Lower Upper
106 100
91 211.2 102.7 308.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010618.D

Acq: 02 Jul 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

QNWP8-MW27S-GW

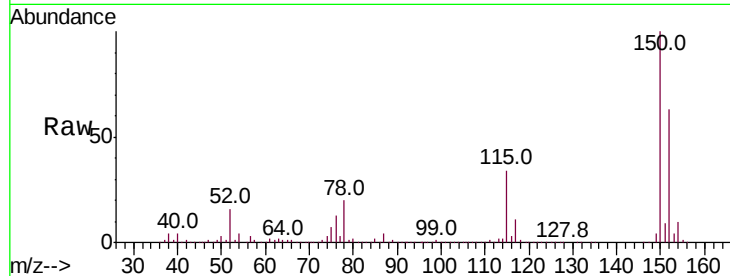
Tot Ion:152 Resp: 171315

Ion Ratio Lower Upper

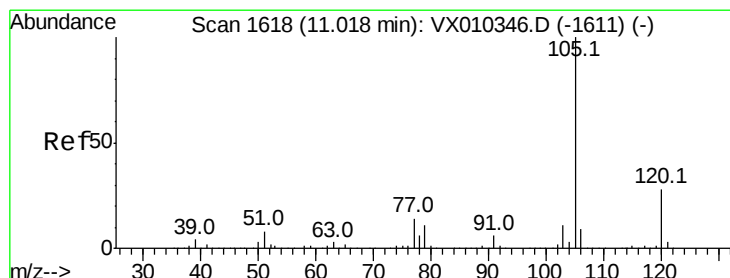
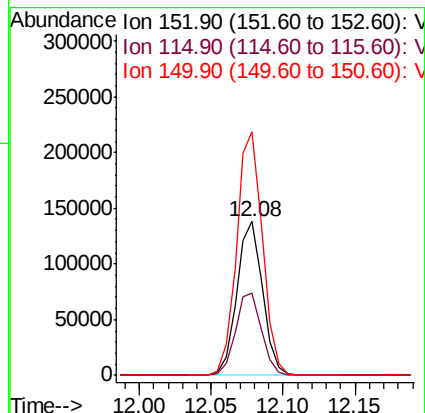
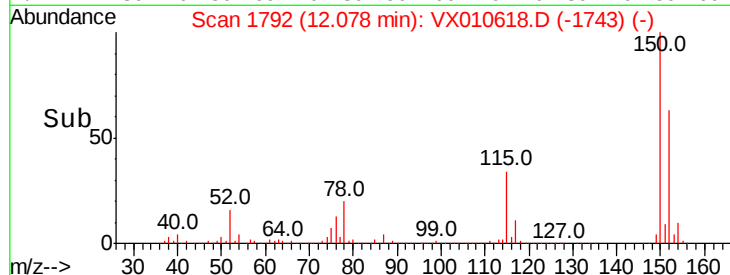
152 100

115 54.7 38.6 115.7

150 159.5 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: 13.584 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010618.D

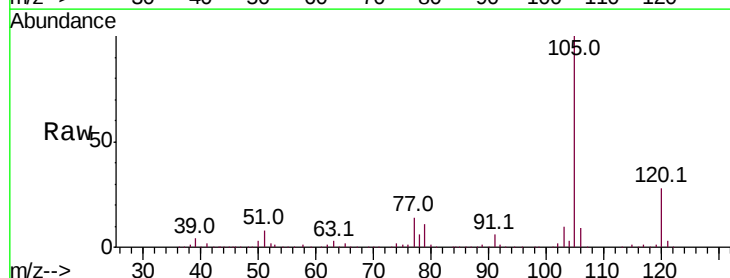
Acq: 02 Jul 2019 15:37

Tgt Ion:105 Resp: 157755

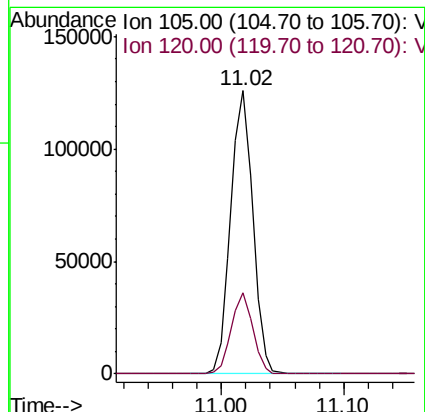
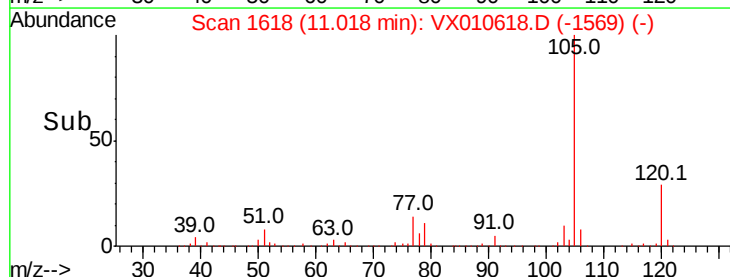
Ion Ratio Lower Upper

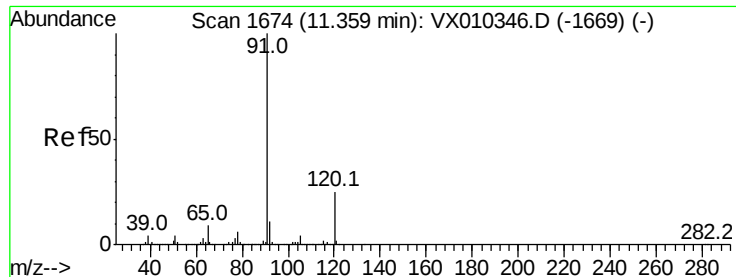
105 100

120 28.0 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: 3.194 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010618.D

Acq: 02 Jul 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

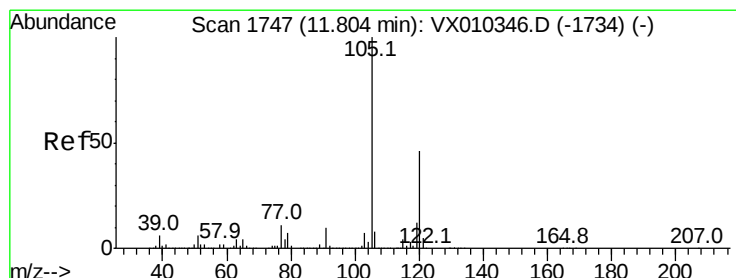
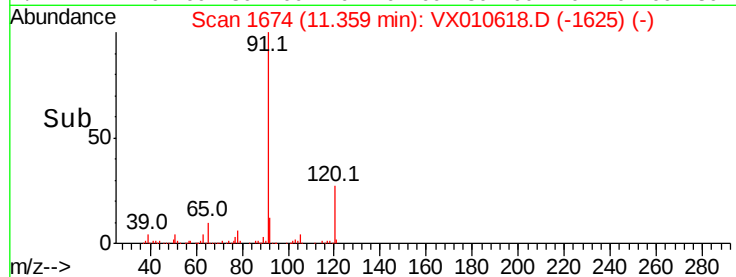
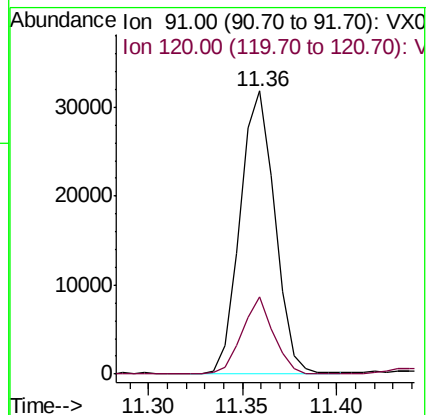
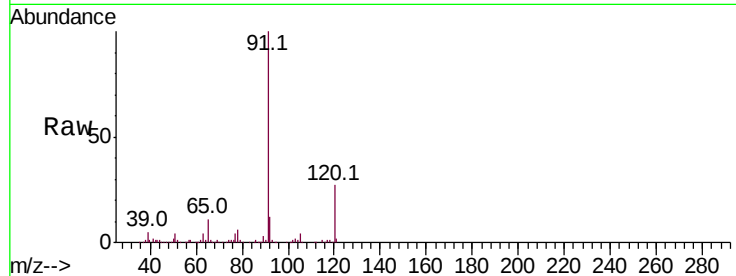
QNWP8-MW27S-GW

Tot Ion: 91 Resp: 40762

Ion Ratio Lower Upper

91 100

120 24.8 12.4 37.4



#84

1,2,4-Trimethylbenzene

Concen: 6.945 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX010618.D

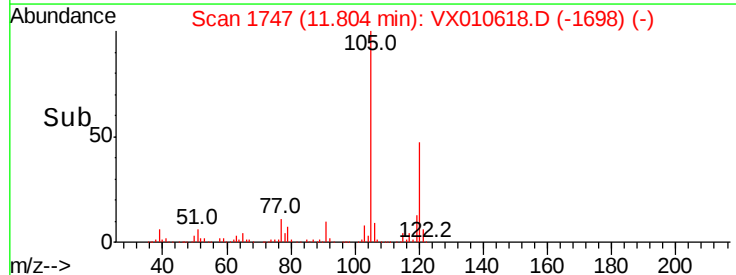
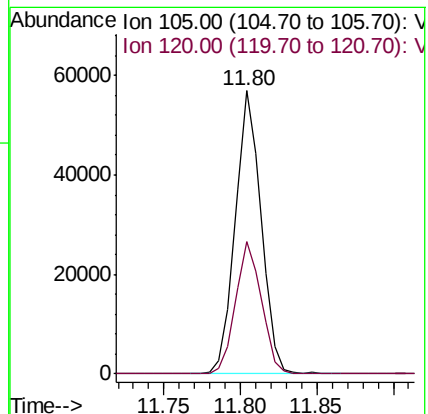
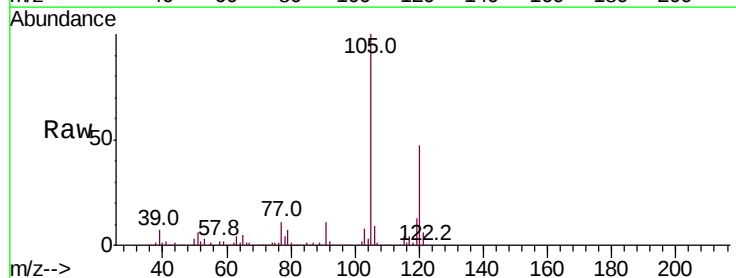
Acq: 02 Jul 2019 15:37

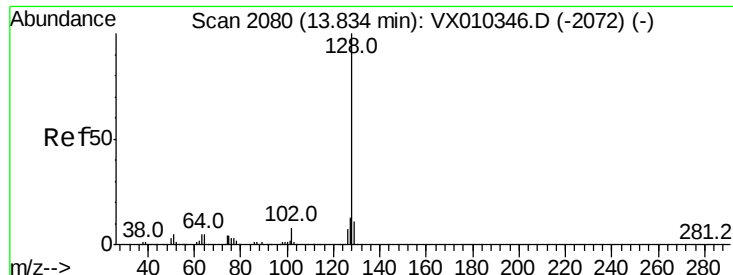
Tgt Ion: 105 Resp: 66801

Ion Ratio Lower Upper

105 100

120 46.6 23.1 69.2





#95

Naphthalene

Concen: 115.045 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX010618.D

Acq: 02 Jul 2019 15:37

Instrument :

MSVOA_X

ClientSampleId :

QNWP8-MW27S-GW

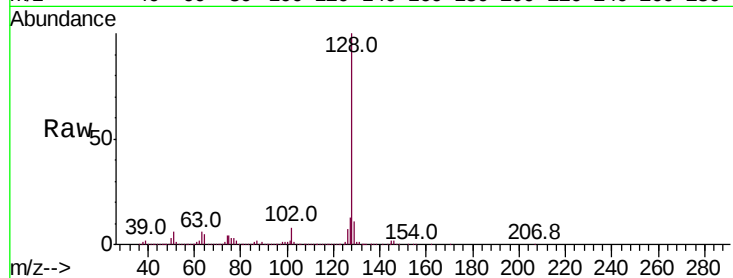
Tot Ion:128 Resp: 1379264

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

129 11.0 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

