

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021519\
 Data File : VN053796.D
 Acq On : 15 Feb 2019 13:30
 Operator : JC/SP
 Sample : K1484-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 M-3-S

Quant Time: Feb 15 23:55:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N013019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 01 09:11:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	684718	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1134691	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1122093	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	421107	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	364433	53.05	ug/l	0.00
Spiked Amount			Recovery	=	106.10%	
35) Dibromofluoromethane	7.59	113	362686	50.59	ug/l	0.00
Spiked Amount			Recovery	=	101.18%	
50) Toluene-d8	10.09	98	1426685	52.99	ug/l	0.00
Spiked Amount			Recovery	=	105.98%	
62) 4-Bromofluorobenzene	12.40	95	475647	52.98	ug/l	0.00
Spiked Amount			Recovery	=	105.96%	

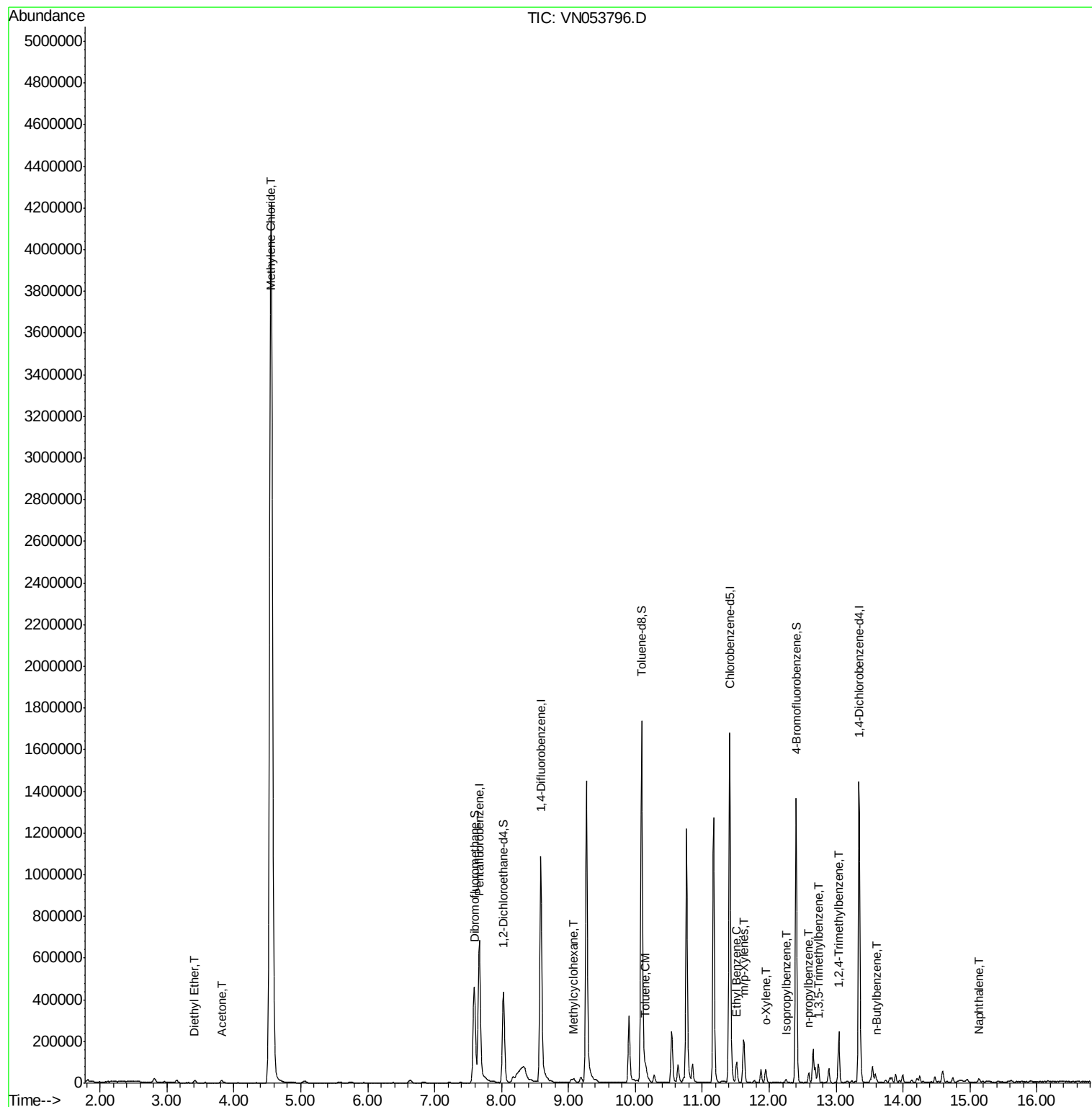
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.42	74	5841	1.495	ug/l	86
16) Acetone	3.82	43	19077	10.827	ug/l	96
20) Methylene Chloride	4.55	84	3390155	458.625	ug/l	99
39) Methylcyclohexane	9.08	83	6993	0.576	ug/l	95
52) Toluene	10.15	92	16976	0.907	ug/l	98
67) Ethyl Benzene	11.51	91	77898	1.990	ug/l	98
68) m/p-Xylenes	11.62	106	72675	4.863	ug/l	99
69) o-Xylene	11.95	106	19646	1.361	ug/l	98
73) Isopropylbenzene	12.25	105	11027	0.372	ug/l	96
78) n-propylbenzene	12.59	91	38131	1.114	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	52247	2.128	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	143349	5.732	ug/l	100
89) n-Butylbenzene	13.61	91	4694	0.210	ug/l #	78
95) Naphthalene	15.13	128	15086	2.524	ug/l	99

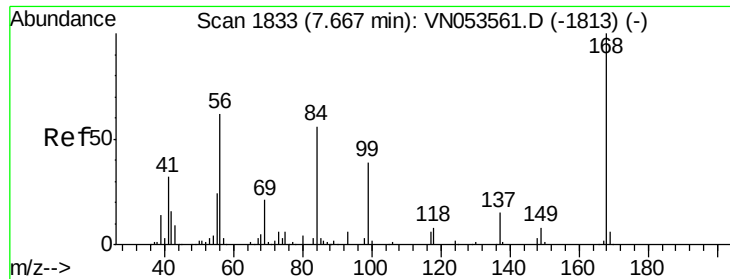
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN021519\
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053796.D

Acq: 15 Feb 2019 13:30

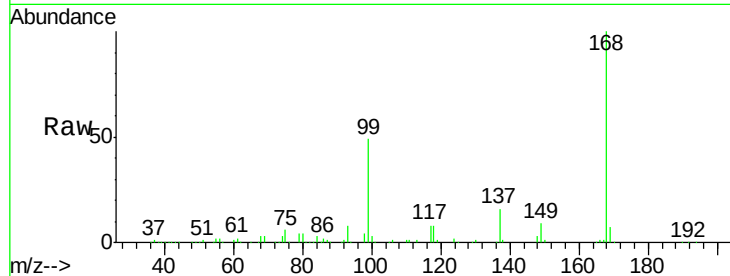
Instrument :
MSVOA_N
ClientSampleId :
M-3-S

Tot Ion:168 Resp: 684718

Ion Ratio Lower Upper

168 100

99 48.7 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

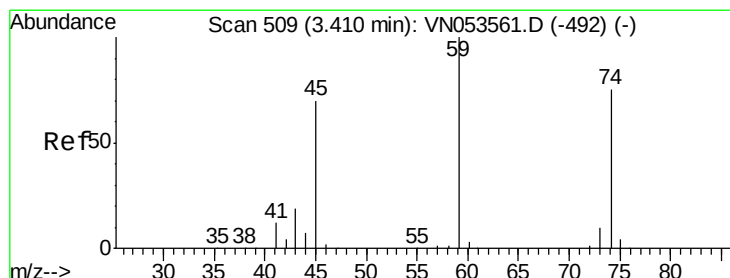
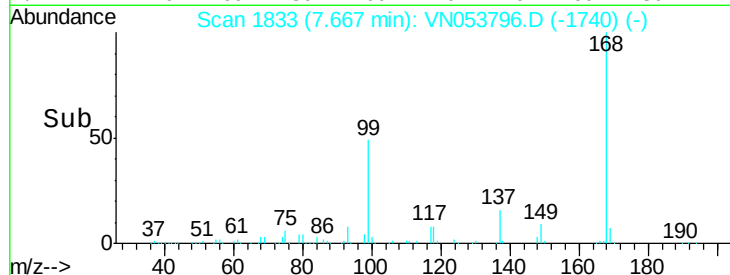
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#8

Diethyl Ether

Concen: 1.495 ug/l

RT: 3.42 min Scan# 512

Delta R.T. 0.01 min

Lab File: VN053796.D

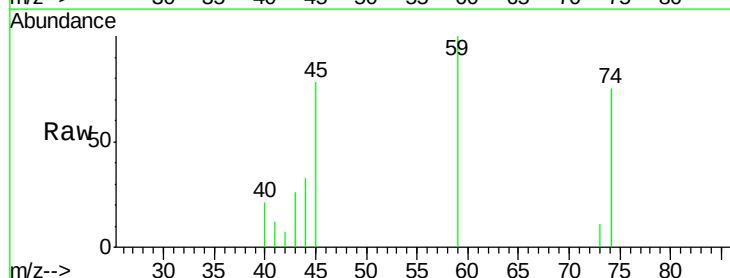
Acq: 15 Feb 2019 13:30

Tgt Ion: 74 Resp: 5841

Ion Ratio Lower Upper

74 100

45 109.3 47.9 143.7



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

3.42

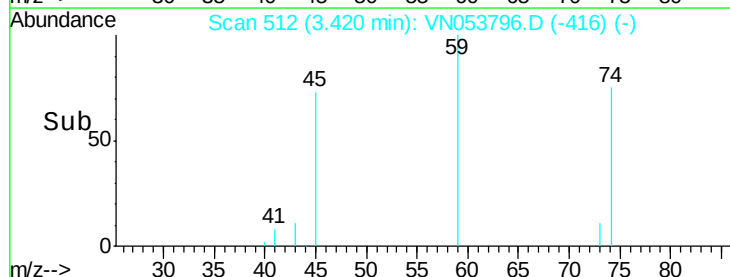
3000

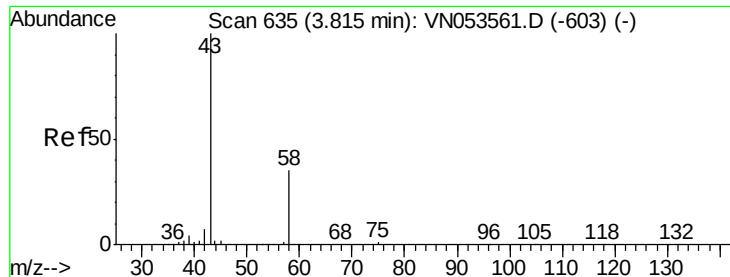
2000

1000

0

Time--> 3.35 3.40 3.45





#16

Acetone

Concen: 10.827 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN053796.D

Acq: 15 Feb 2019 13:30

Instrument :

MSVOA_N

ClientSampled :

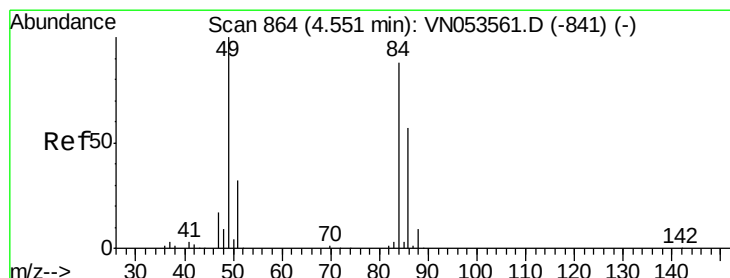
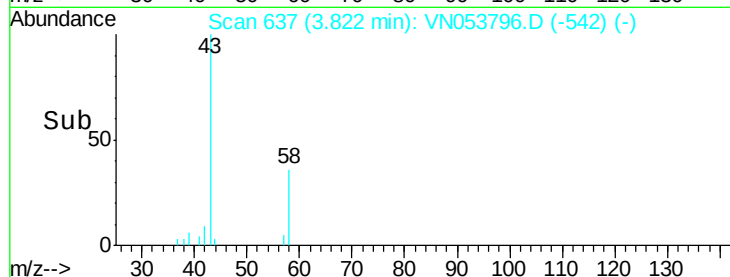
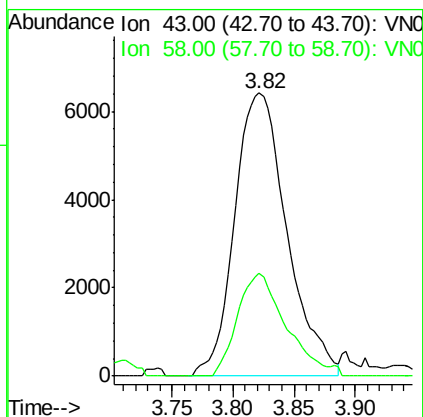
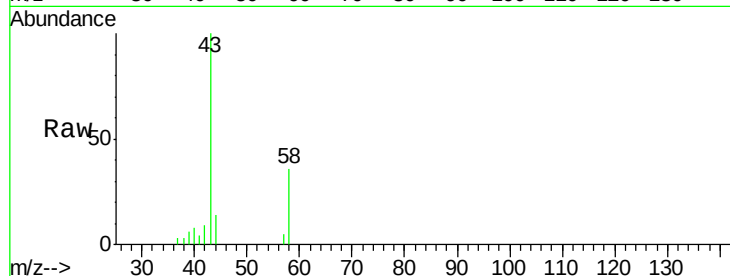
M-3-S

Tot Ion: 43 Resp: 19077

Ion Ratio Lower Upper

43 100

58 36.4 27.1 40.7



#20

Methylene Chloride

Concen: 458.625 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN053796.D

Acq: 15 Feb 2019 13:30

Tgt Ion: 84 Resp: 3390155

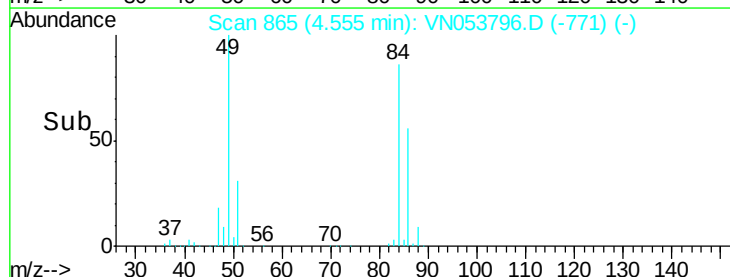
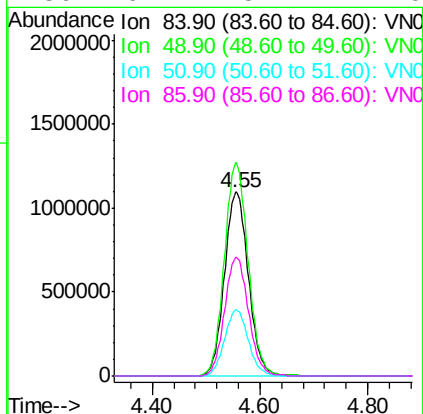
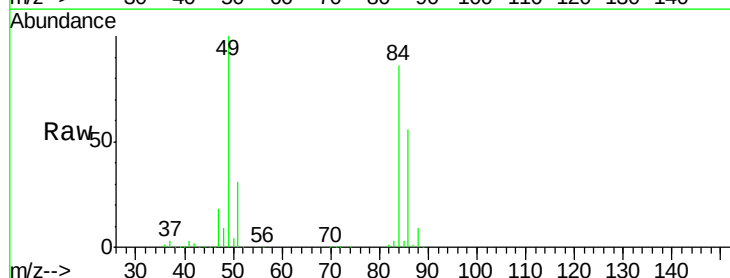
Ion Ratio Lower Upper

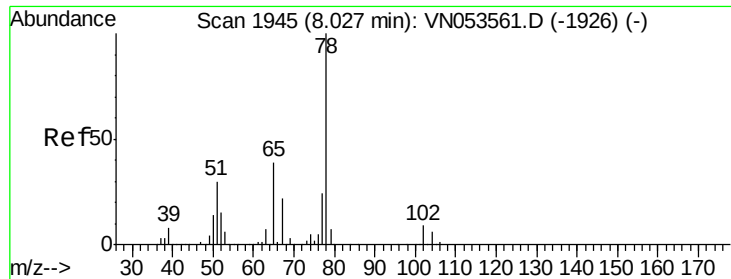
84 100

49 116.0 94.3 141.5

51 36.1 29.4 44.2

86 64.4 51.4 77.0

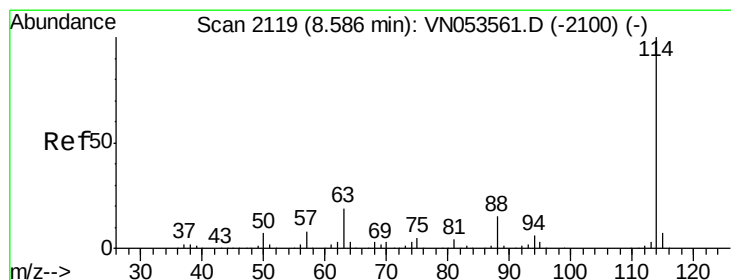
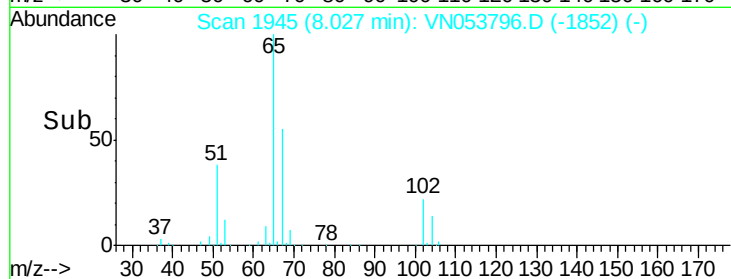
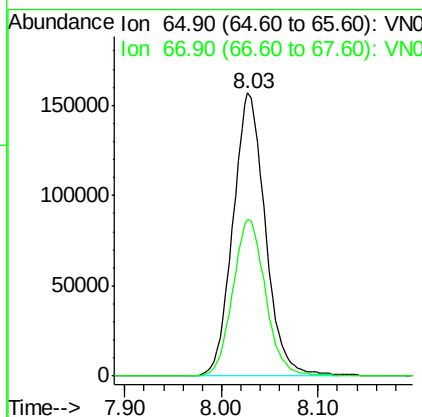
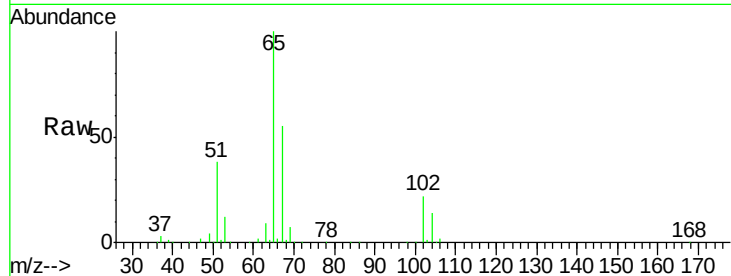




#33
 1,2-Dichloroethane-d4
 Concen: 53.054 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053796.D
 Acq: 15 Feb 2019 13:30

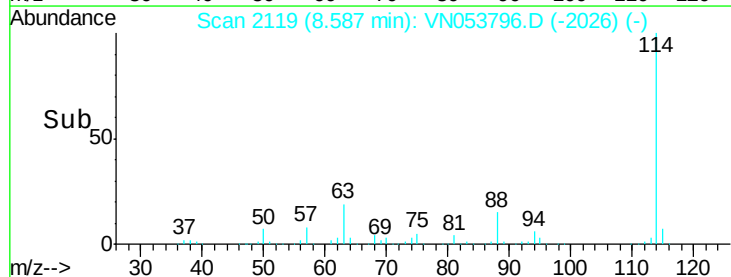
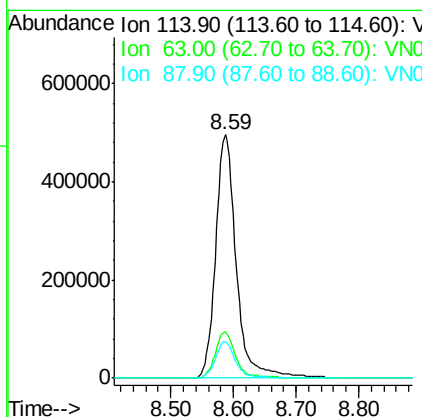
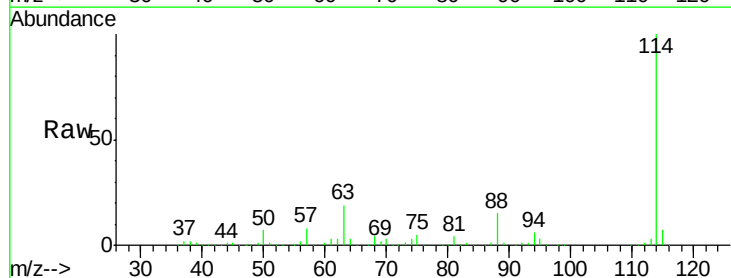
Instrument :
 MSVOA_N
 ClientSampled :
 M-3-S

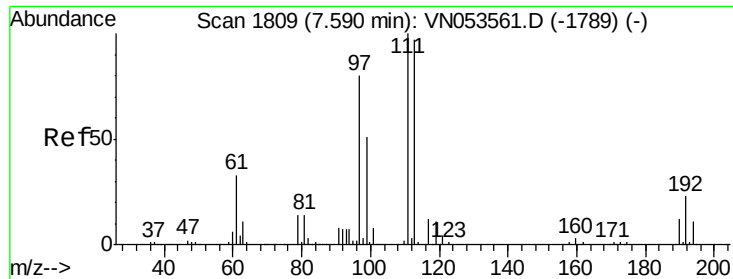
Tot Ion: 65 Resp: 364433
 Ion Ratio Lower Upper
 65 100
 67 55.7 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053796.D
 Acq: 15 Feb 2019 13:30

Tgt Ion: 114 Resp: 1134691
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 38.6
 88 15.0 0.0 30.4

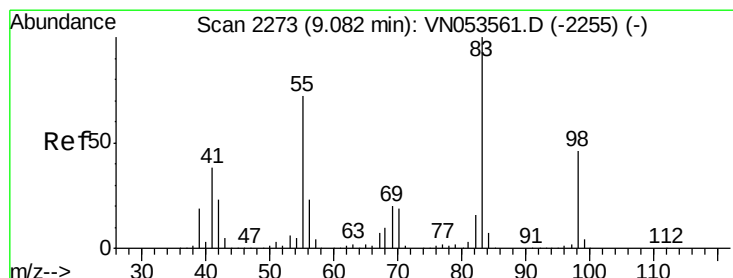
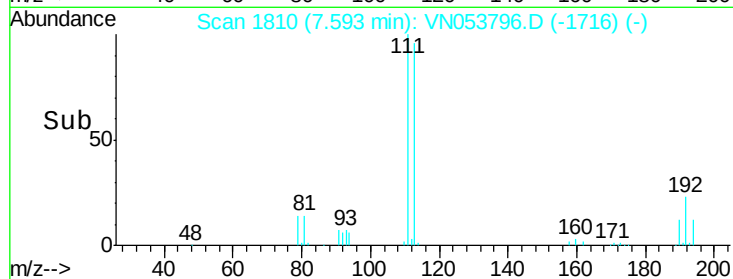
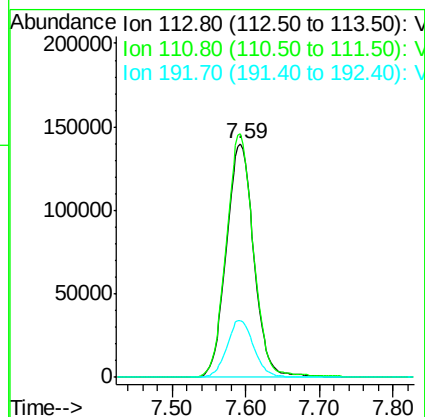
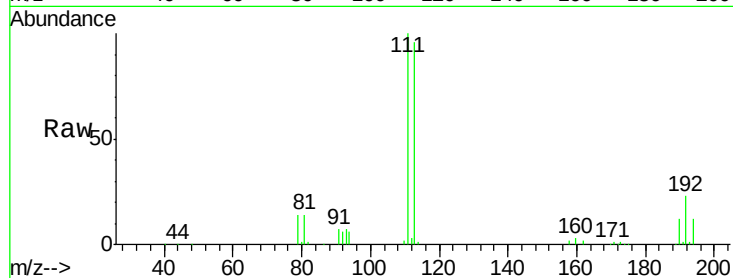




#35
Dibromofluoromethane
Concen: 50.585 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN053796.D
Acq: 15 Feb 2019 13:30

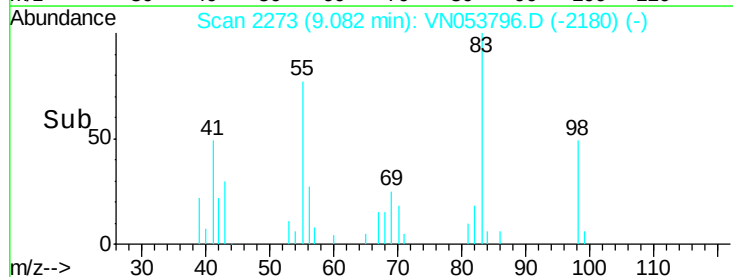
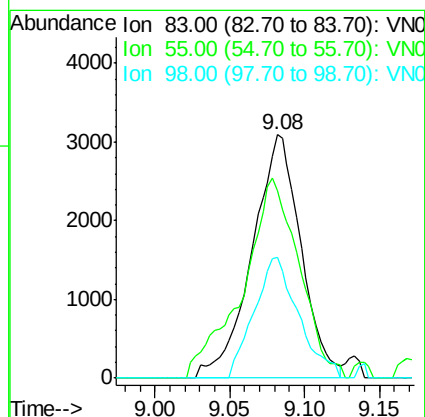
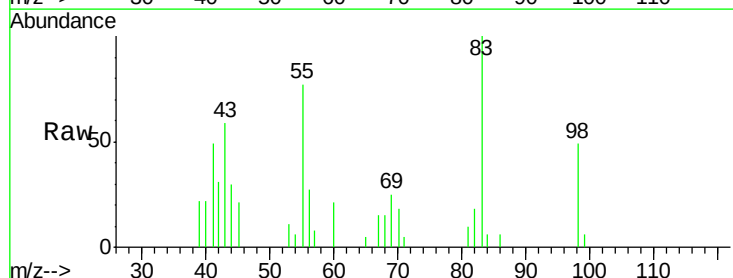
Instrument :
MSVOA_N
ClientSampleId :
M-3-S

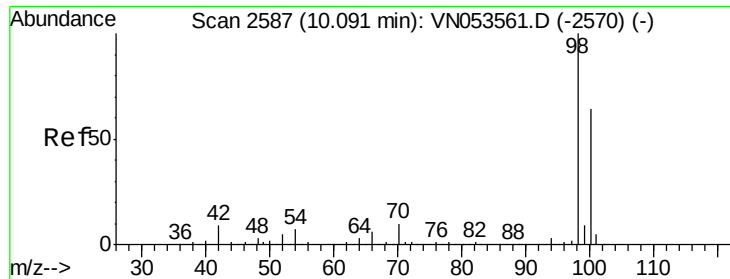
Tot Ion:113 Resp: 362686
Ion Ratio Lower Upper
113 100
111 103.0 81.1 121.7
192 23.9 18.2 27.2



#39
Methylcyclohexane
Concen: 0.576 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN053796.D
Acq: 15 Feb 2019 13:30

Tgt Ion: 83 Resp: 6993
Ion Ratio Lower Upper
83 100
55 71.5 60.1 90.1
98 49.5 36.6 55.0





#50

Toluene-d8

Concen: 52.995 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053796.D

Acq: 15 Feb 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

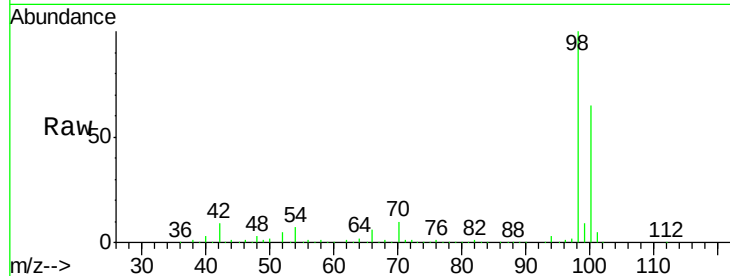
M-3-S

Tot Ion: 98 Resp: 1426685

Ion Ratio Lower Upper

98 100

100 64.7 51.4 77.0



Abundance Ion 98.00 (97.70 to 98.70): VN053561.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN053561.D (-2570) (-)

10.09

800000

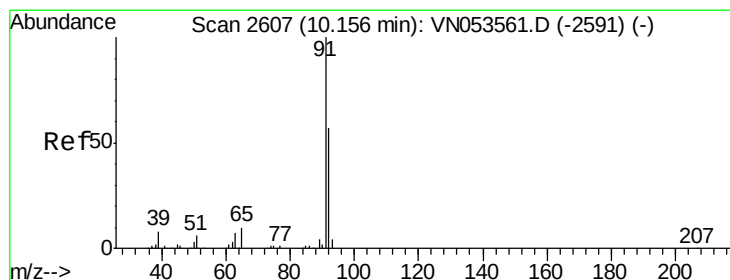
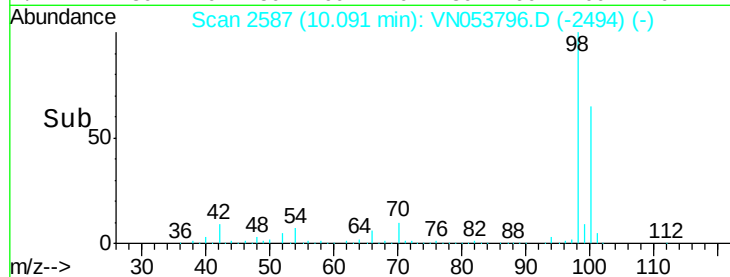
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 0.907 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN053796.D

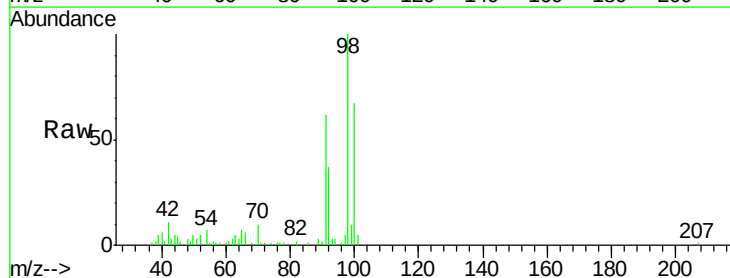
Acq: 15 Feb 2019 13:30

Tgt Ion: 92 Resp: 16976

Ion Ratio Lower Upper

92 100

91 177.1 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN053561.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN053561.D (-2591) (-)

10.15

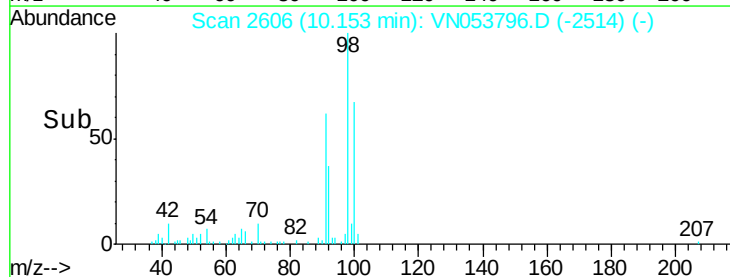
15000

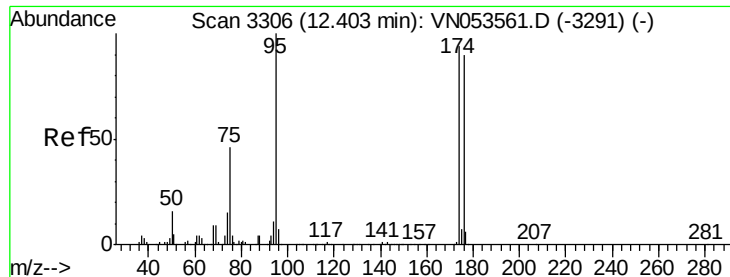
10000

5000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 52.975 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053796.D

Acq: 15 Feb 2019 13:30

Instrument :

MSVOA_N

ClientSampled :

M-3-S

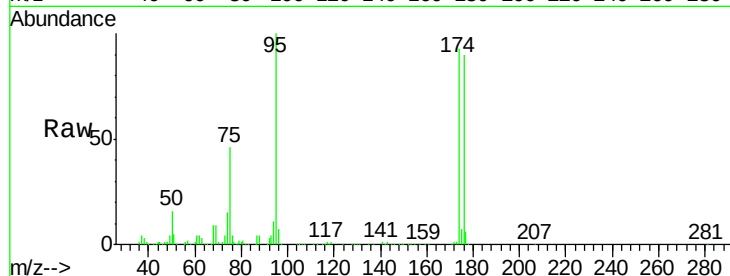
Tot Ion: 95 Resp: 475647

Ion Ratio Lower Upper

95 100

174 95.1 0.0 183.2

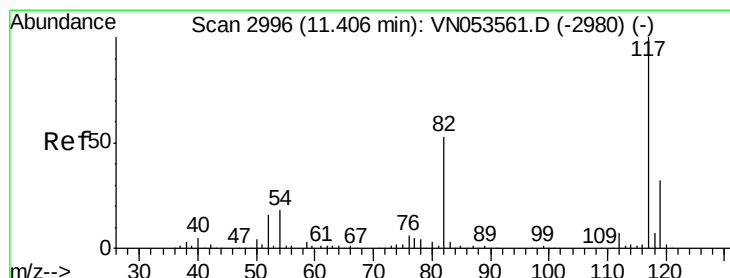
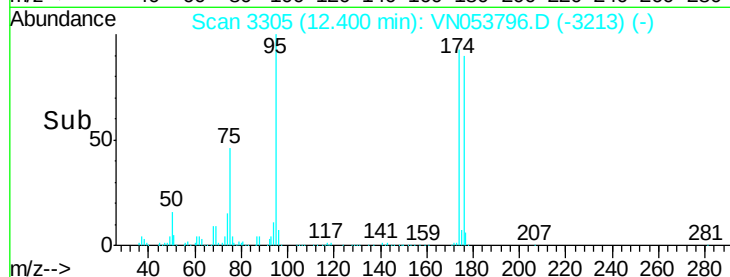
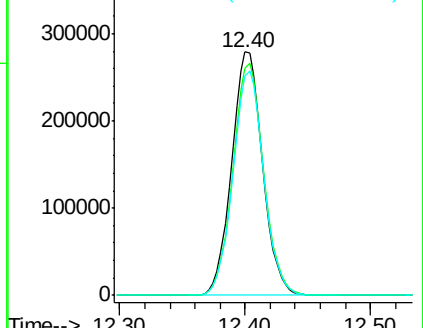
176 91.7 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VN053561.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN053561.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN053561.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN053796.D

Acq: 15 Feb 2019 13:30

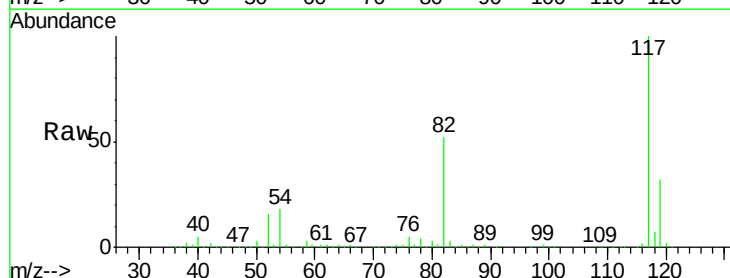
Tgt Ion: 117 Resp: 1122093

Ion Ratio Lower Upper

117 100

82 51.8 42.9 64.3

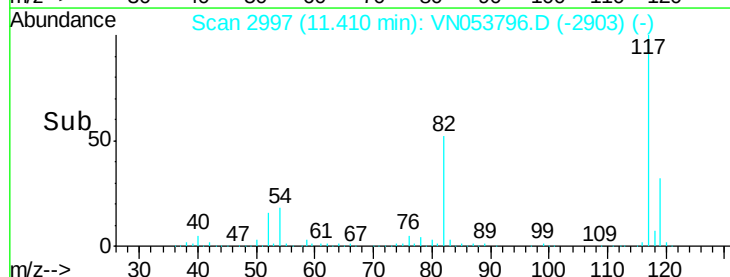
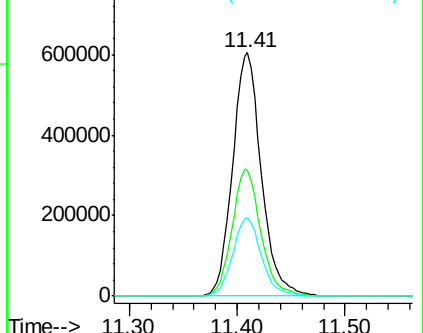
119 32.0 26.0 39.0

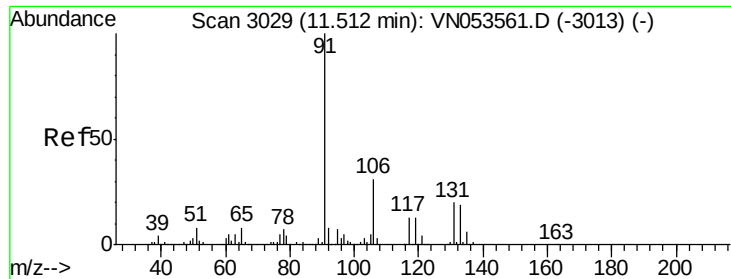


Abundance Ion 116.90 (116.60 to 117.60): VN053561.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN053561.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN053561.D (-2980) (-)

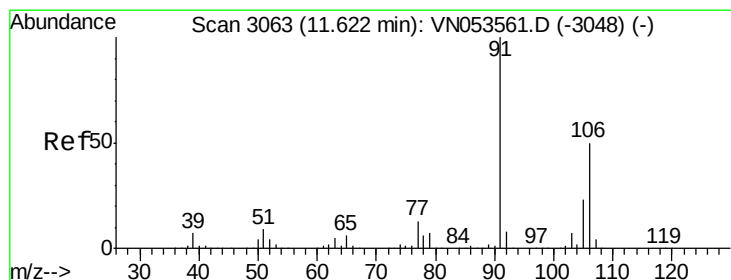
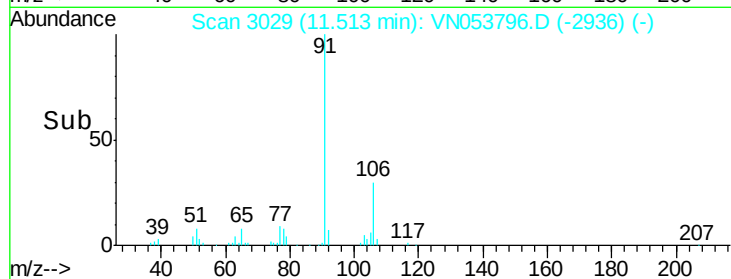
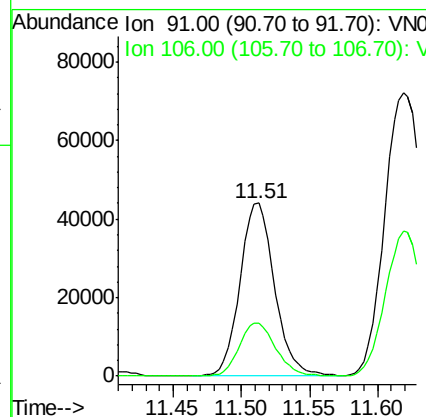
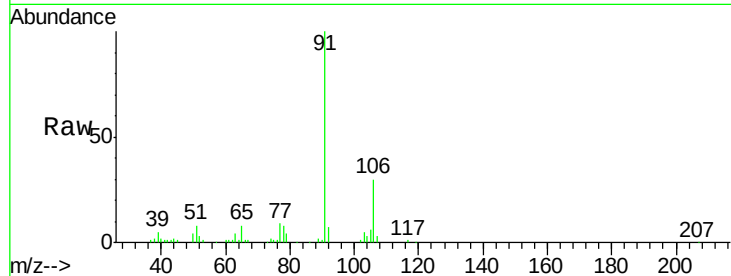




#67
Ethyl Benzene
Concen: 1.990 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053796.D
Acq: 15 Feb 2019 13:30

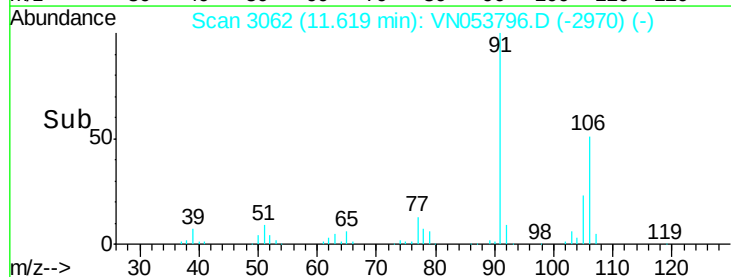
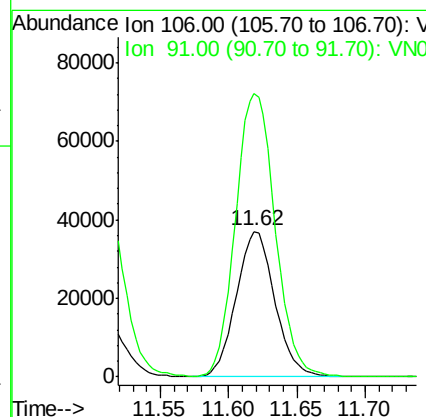
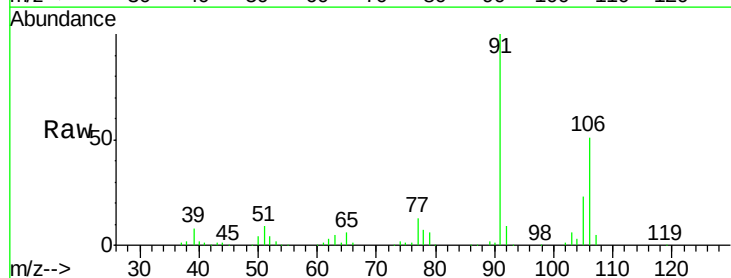
Instrument :
MSVOA_N
ClientSampled :
M-3-S

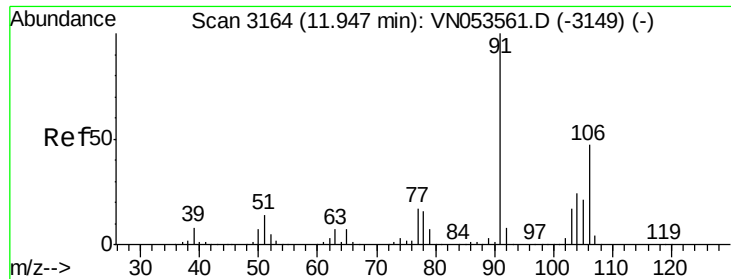
Tot Ion: 91 Resp: 77898
Ion Ratio Lower Upper
91 100
106 30.2 25.0 37.6



#68
m/p-Xylenes
Concen: 4.863 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053796.D
Acq: 15 Feb 2019 13:30

Tgt Ion: 106 Resp: 72675
Ion Ratio Lower Upper
106 100
91 200.4 161.4 242.2

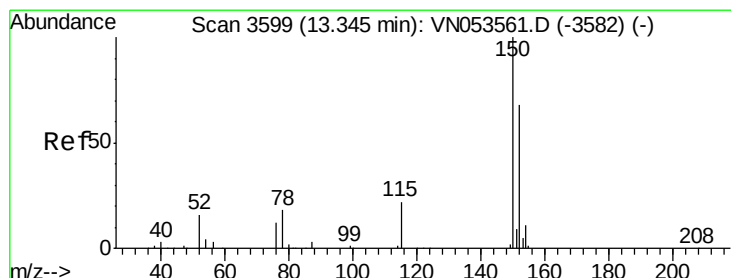
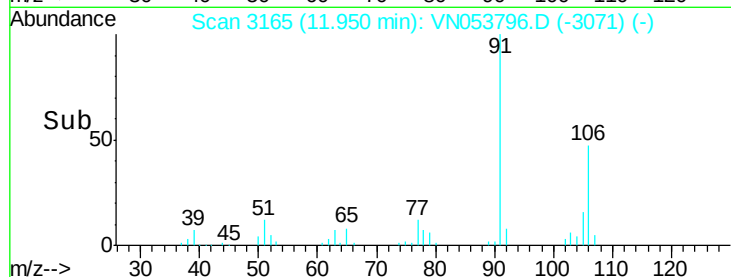
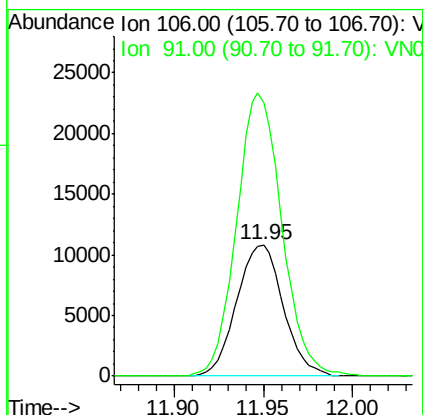
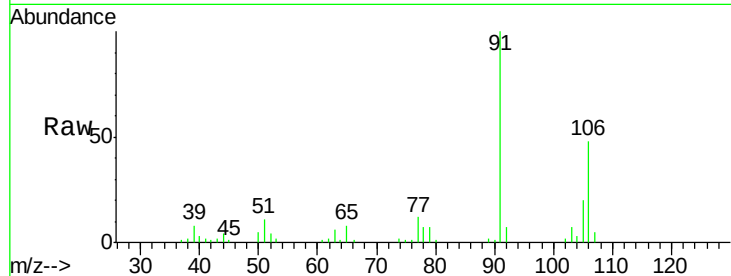




#69
o-Xylene
Concen: 1.361 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053796.D
Acq: 15 Feb 2019 13:30

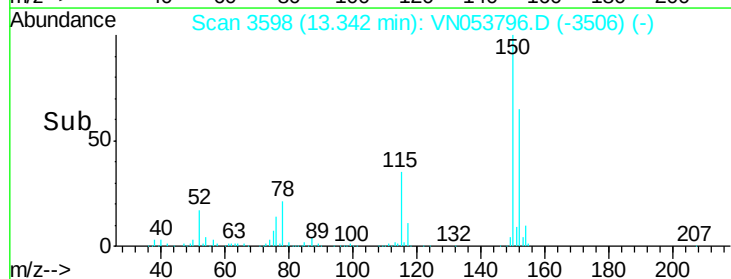
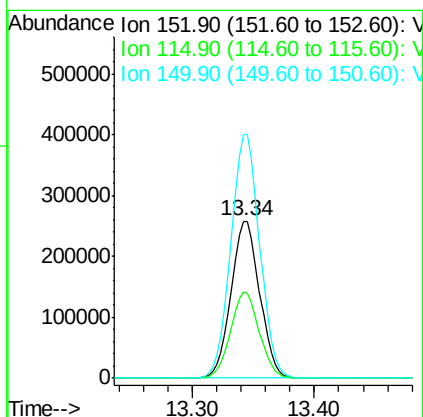
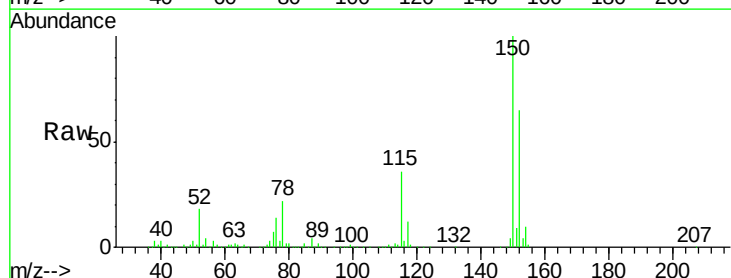
Instrument :
MSVOA_N
ClientSampled :
M-3-S

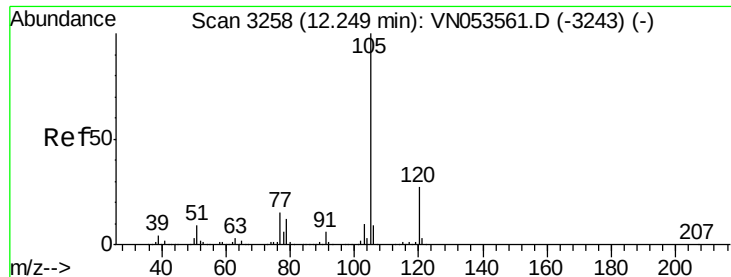
Tot Ion:106 Resp: 19646
Ion Ratio Lower Upper
106 100
91 210.1 106.9 320.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053796.D
Acq: 15 Feb 2019 13:30

Tgt Ion:152 Resp: 421107
Ion Ratio Lower Upper
152 100
115 55.3 27.8 83.4
150 156.6 0.0 349.0





#73

Isopropylbenzene

Concen: 0.372 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053796.D

Acq: 15 Feb 2019 13:30

Instrument :

MSVOA_N

ClientSampleId :

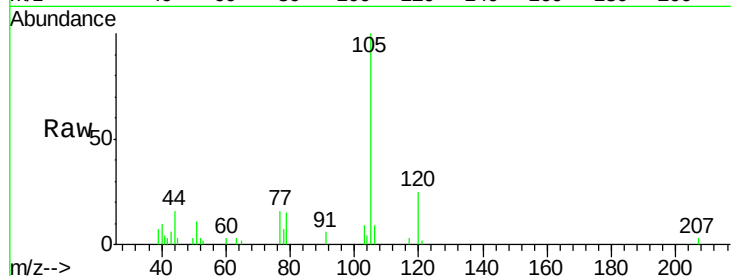
M-3-S

Tot Ion:105 Resp: 11027

Ion Ratio Lower Upper

105 100

120 24.9 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

6000

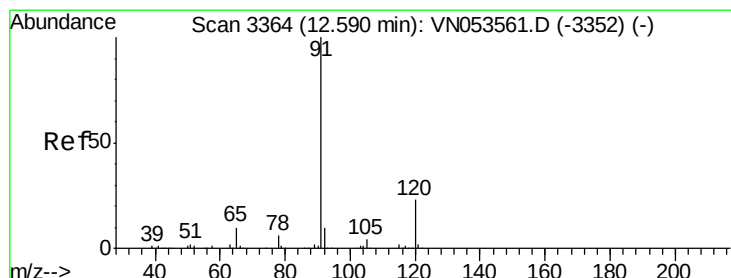
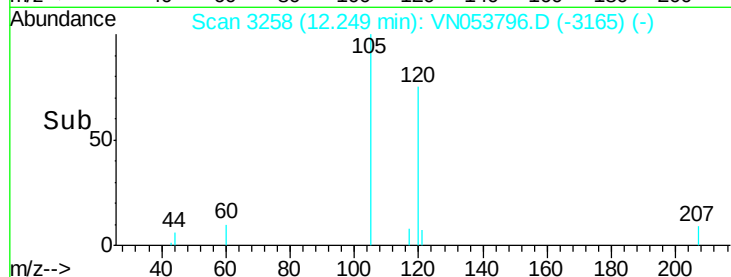
4000

2000

0

12.20 12.25 12.30

Time-->



#78

n-propylbenzene

Concen: 1.114 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053796.D

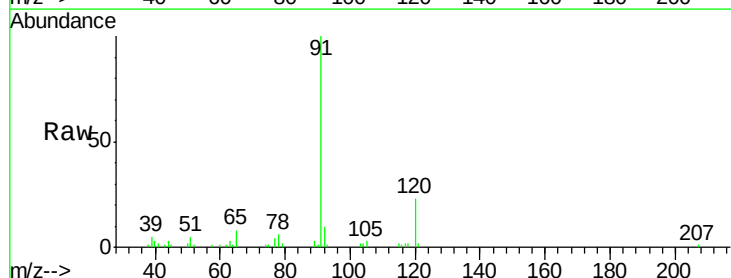
Acq: 15 Feb 2019 13:30

Tgt Ion: 91 Resp: 38131

Ion Ratio Lower Upper

91 100

120 23.6 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

12.59

25000

20000

15000

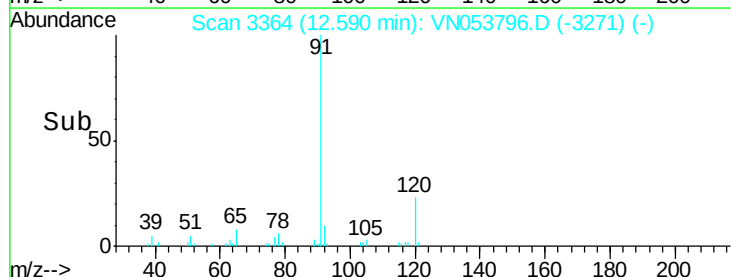
10000

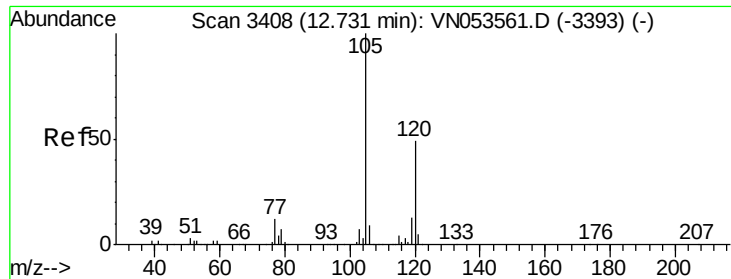
5000

0

12.55 12.60 12.65

Time-->





#80

1,3,5-Trimethylbenzene

Concen: 2.128 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN053796.D

Acq: 15 Feb 2019 13:30

Instrument :

MSVOA_N

ClientSampled :

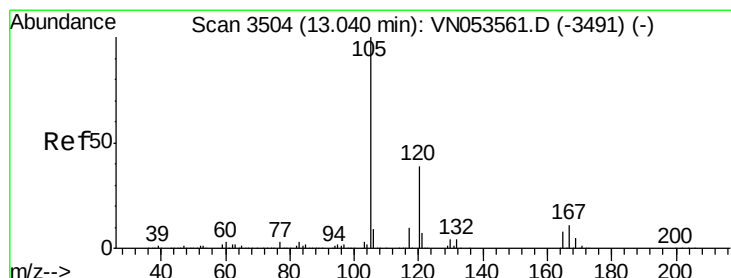
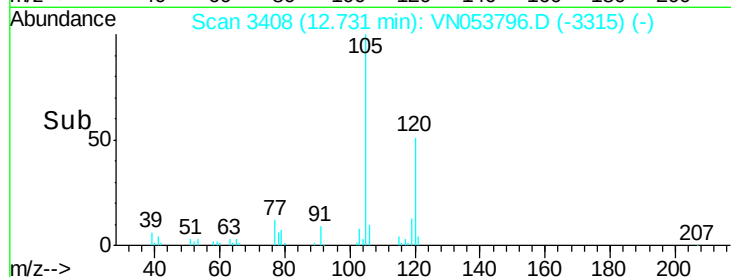
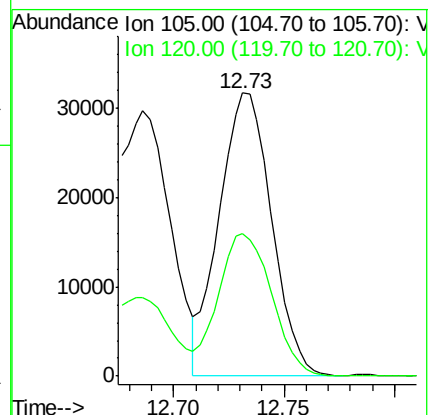
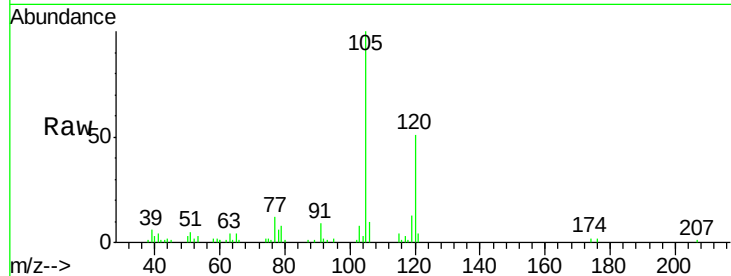
M-3-S

Tot Ion:105 Resp: 52247

Ion Ratio Lower Upper

105 100

120 51.3 24.9 74.6



#84

1,2,4-Trimethylbenzene

Concen: 5.732 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053796.D

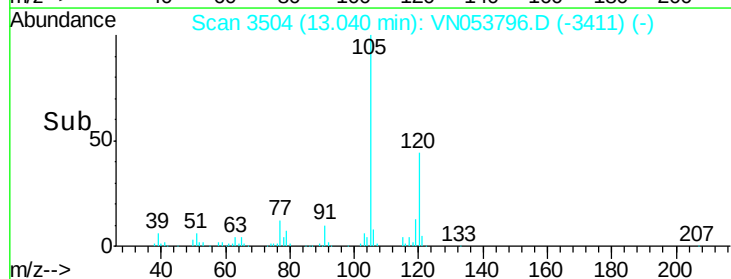
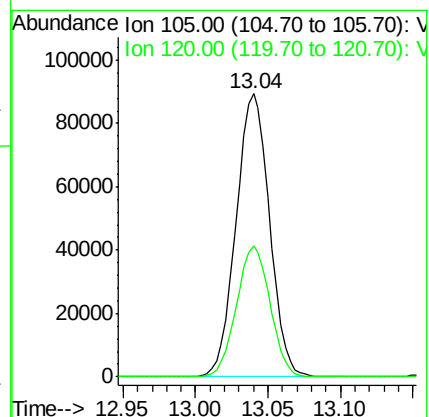
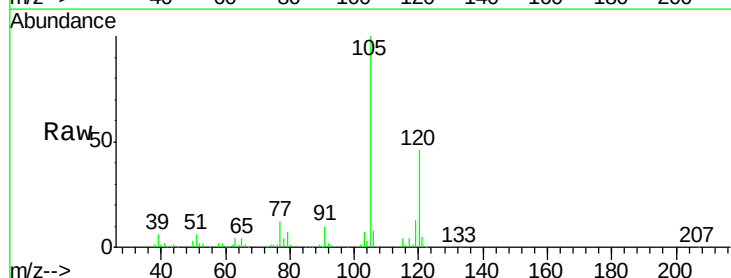
Acq: 15 Feb 2019 13:30

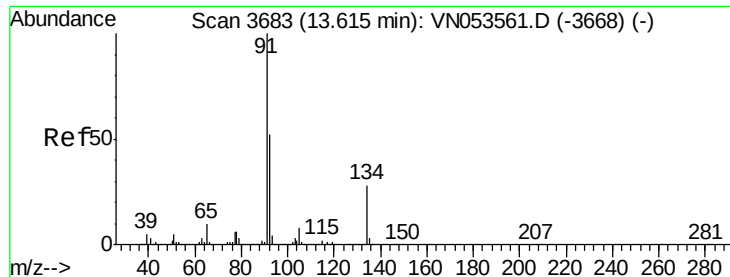
Tgt Ion:105 Resp: 143349

Ion Ratio Lower Upper

105 100

120 46.2 23.0 69.0

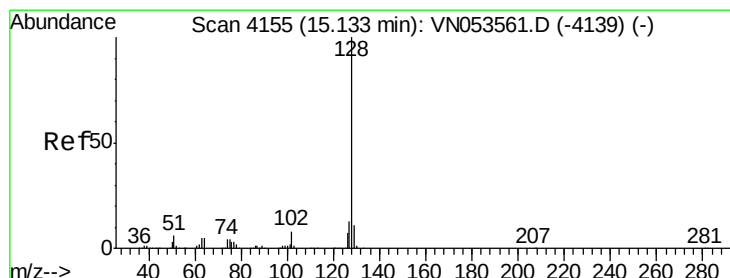
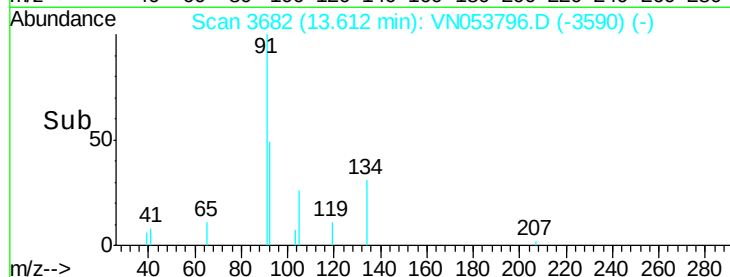
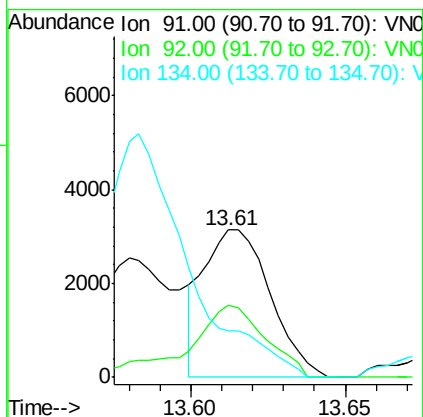
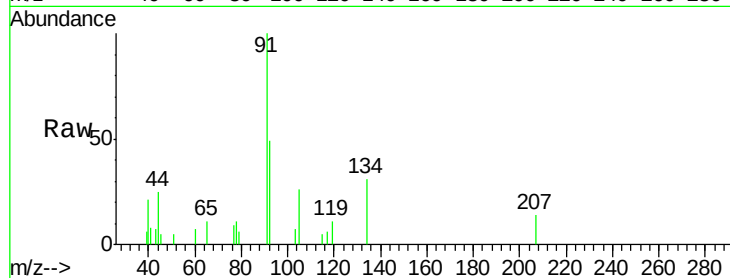




#89
n-Butylbenzene
Concen: 0.210 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN053796.D
Acq: 15 Feb 2019 13:30

Instrument :
MSVOA_N
ClientSampled :
M-3-S

Tot Ion: 91 Resp: 4694
Ion Ratio Lower Upper
91 100
92 57.3 26.3 78.8
134 0.0 13.5 40.5#



#95
Naphthalene
Concen: 2.524 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053796.D
Acq: 15 Feb 2019 13:30

Tgt Ion: 128 Resp: 15086
Ion Ratio Lower Upper
128 100
127 12.0 10.3 15.5
129 10.9 8.6 13.0

