

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060520\
 Data File : VN061676.D
 Acq On : 5 Jun 2020 17:51
 Operator : JC/MD
 Sample : L2889-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FDW-115

Quant Time: Jun 08 11:44:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	298251	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	493099	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	469398	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	226183	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	160143	45.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.14%	
35) Dibromofluoromethane	7.55	113	134266	53.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.36%	
50) Toluene-d8	10.06	98	578718	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
62) 4-Bromofluorobenzene	12.38	95	214954	50.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.66%	

Target Compounds

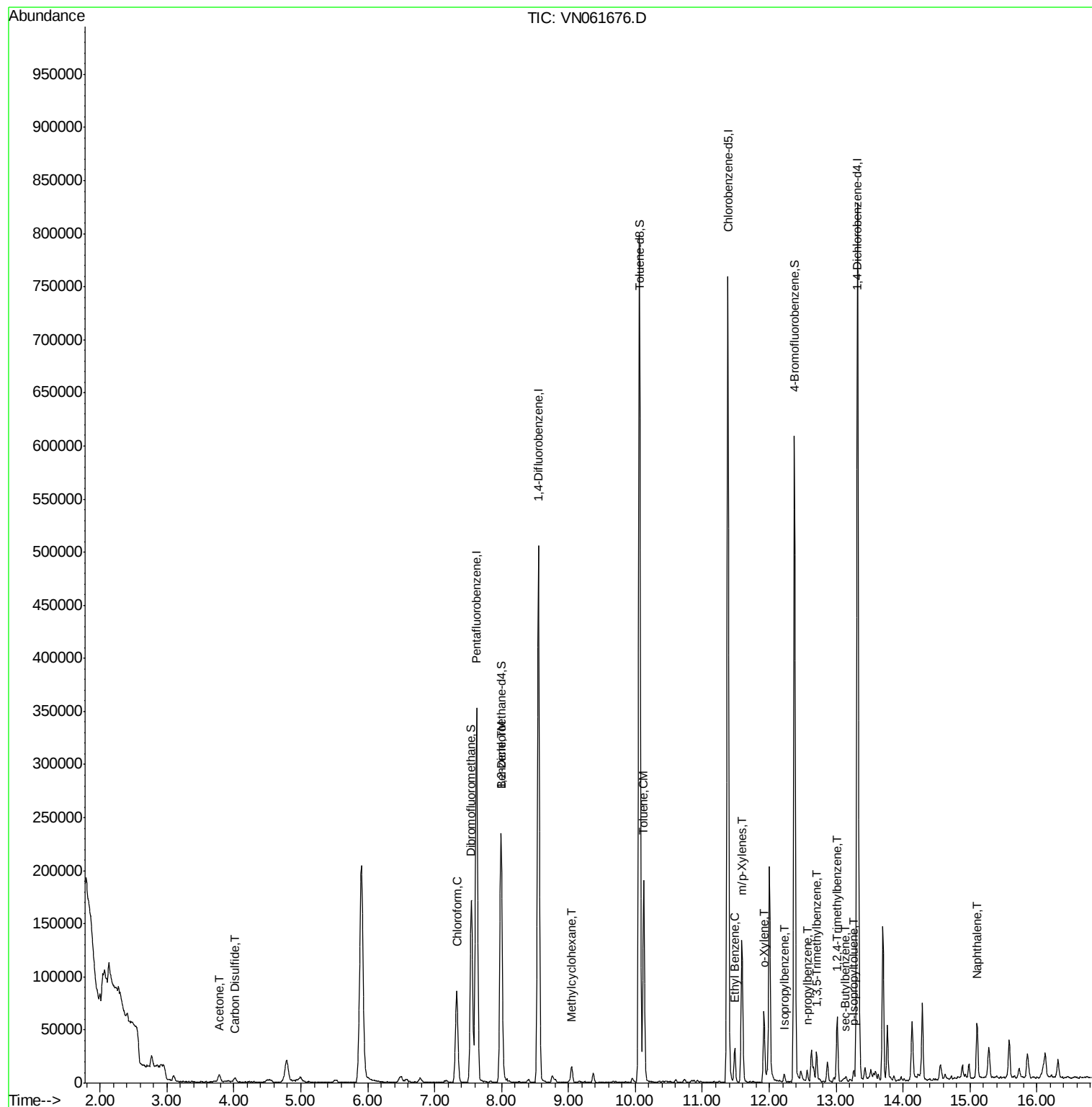
						Qvalue
16) Acetone	3.78	43	12548	6.780	ug/l	98
17) Carbon Disulfide	4.01	76	6713	1.001	ug/l	95
30) Chloroform	7.33	83	93046	15.104	ug/l	98
39) Methylcyclohexane	9.05	83	6820	1.268	ug/l	97
40) Benzene	8.00	78	76409	5.673	ug/l	94
52) Toluene	10.12	92	87340	9.935	ug/l	99
67) Ethyl Benzene	11.48	91	24056	1.426	ug/l	95
68) m/p-Xylenes	11.59	106	47928	7.168	ug/l	98
69) o-Xylene	11.92	106	19049	2.999	ug/l	96
73) Isopropylbenzene	12.22	105	5426	0.329	ug/l	98
78) n-propylbenzene	12.57	91	9531	0.517	ug/l	98
80) 1,3,5-Trimethylbenzene	12.71	105	15251	1.105	ug/l	95
84) 1,2,4-Trimethylbenzene	13.01	105	35874	2.617	ug/l	98
85) sec-Butylbenzene	13.15	105	3689	0.235	ug/l	80
86) p-Isopropyltoluene	13.26	119	4255	0.294	ug/l	95
95) Naphthalene	15.10	128	48495	3.820	ug/l	98

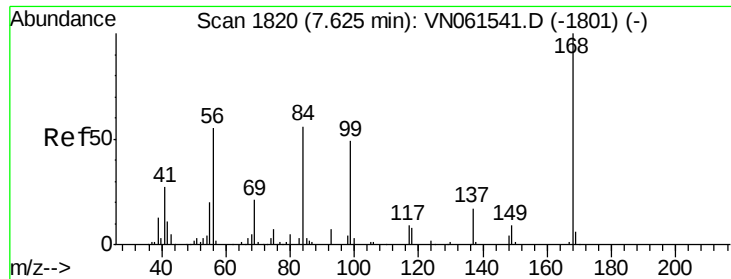
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN060520\
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Quant Time: Jun 08 11:44:39 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
Quant Title : SW846 8260
QLast Update : Fri May 29 02:14:10 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061676.D

Acq: 5 Jun 2020 17:51

Instrument :

MSVOA_N

ClientSampleId :

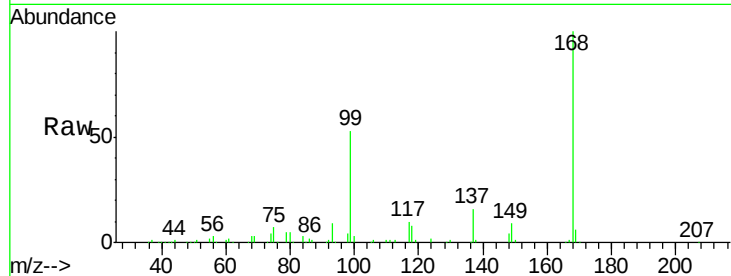
FDW-115

Tot Ion:168 Resp: 298251

Ion Ratio Lower Upper

168 100

99 53.4 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

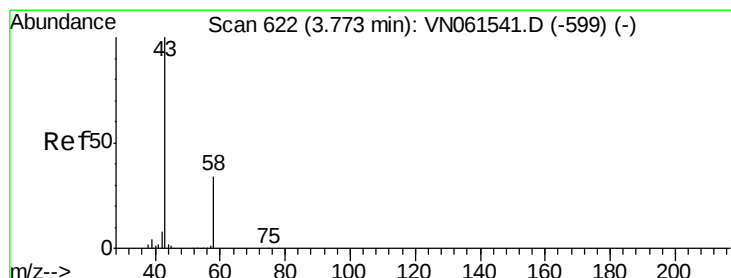
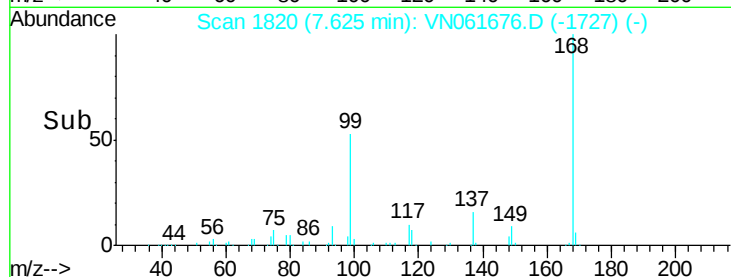
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 6.780 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN061676.D

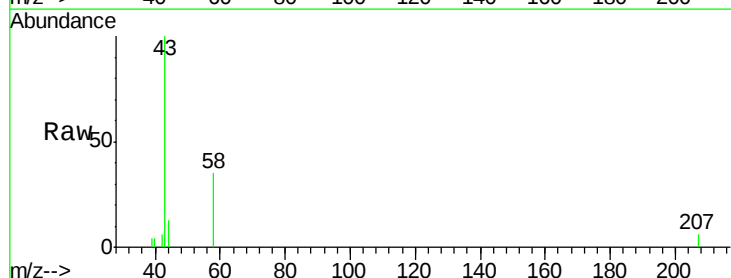
Acq: 5 Jun 2020 17:51

Tgt Ion: 43 Resp: 12548

Ion Ratio Lower Upper

43 100

58 35.0 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.78

5000

4000

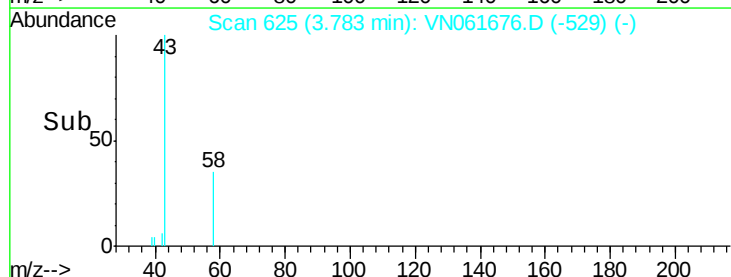
3000

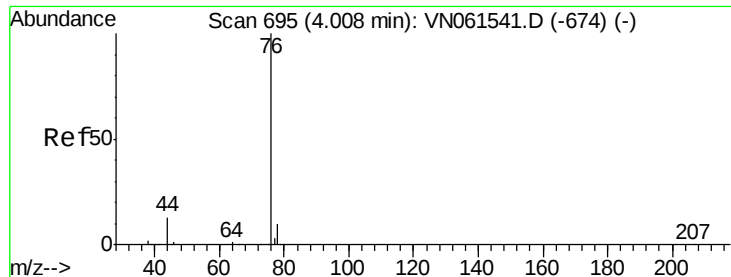
2000

1000

0

Time--> 3.70 3.75 3.80 3.85

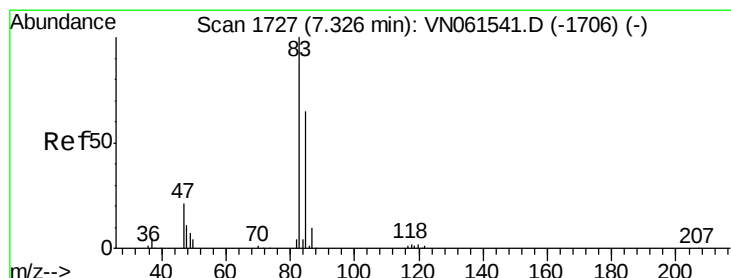
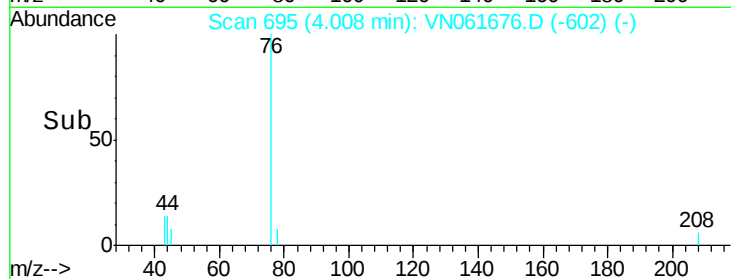
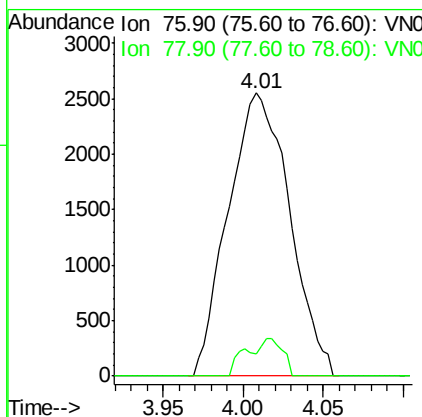
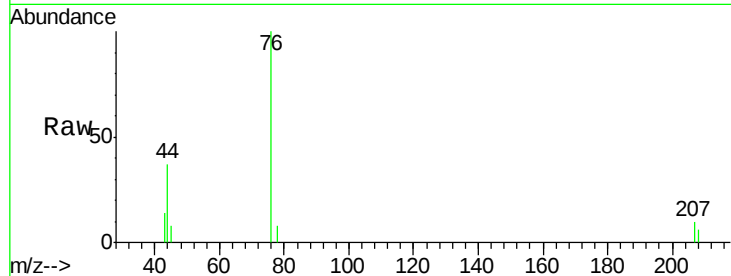




#17
Carbon Disulfide
Concen: 1.001 ug/l
RT: 4.01 min Scan# 695
Delta R.T. -0.00 min
Lab File: VN061676.D
Acq: 5 Jun 2020 17:51

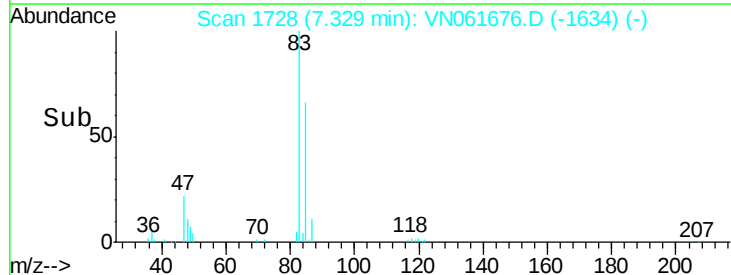
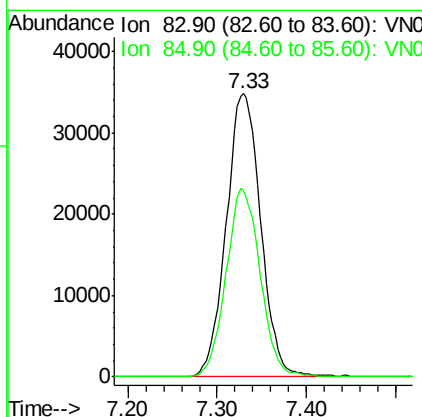
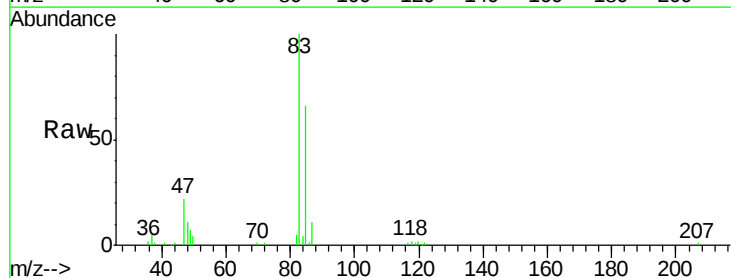
Instrument :
MSVOA_N
ClientSampled :
FDW-115

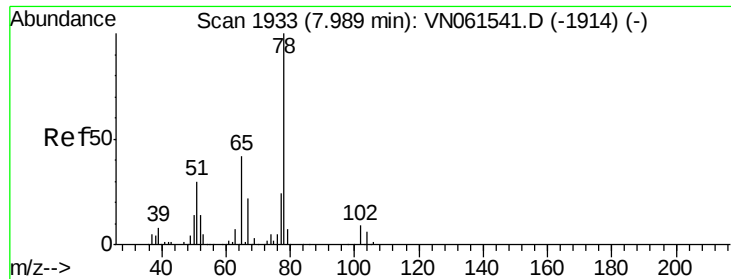
Tot Ion: 76 Resp: 6713
Ion Ratio Lower Upper
76 100
78 7.9 7.8 11.6



#30
Chloroform
Concen: 15.104 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN061676.D
Acq: 5 Jun 2020 17:51

Tgt Ion: 83 Resp: 93046
Ion Ratio Lower Upper
83 100
85 65.8 51.7 77.5





#33

1,2-Dichloroethane-d4

Concen: 45.067 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN061676.D

Acq: 5 Jun 2020 17:51

Instrument :

MSVOA_N

ClientSampleId :

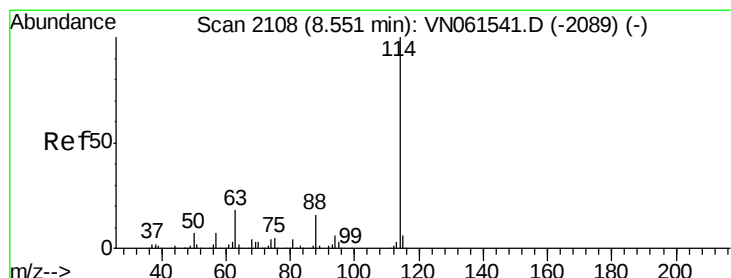
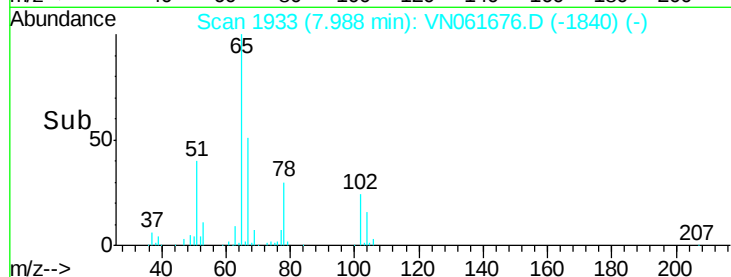
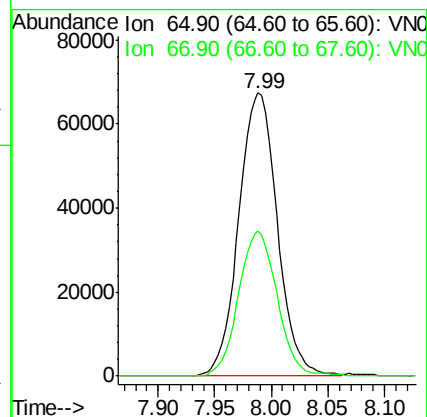
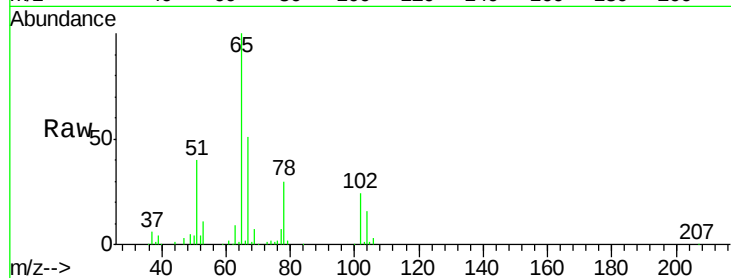
FDW-115

Tot Ion: 65 Resp: 160143

Ion Ratio Lower Upper

65 100

67 51.4 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN061676.D

Acq: 5 Jun 2020 17:51

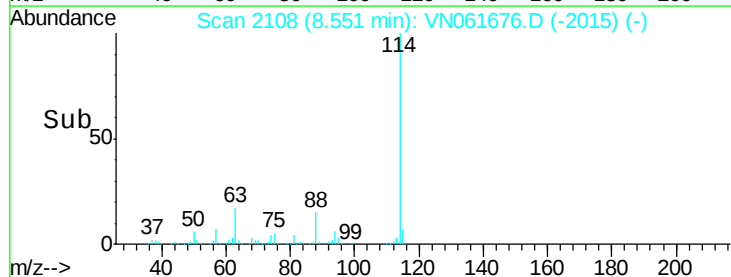
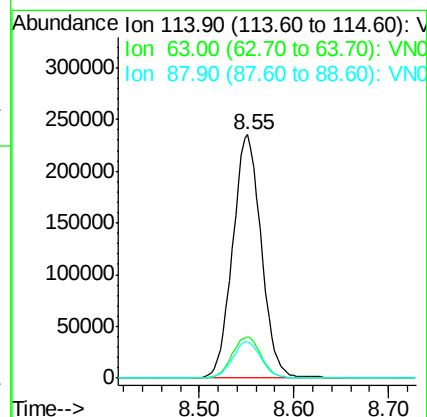
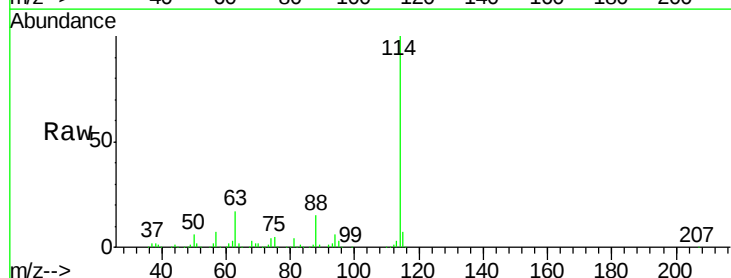
Tgt Ion: 114 Resp: 493099

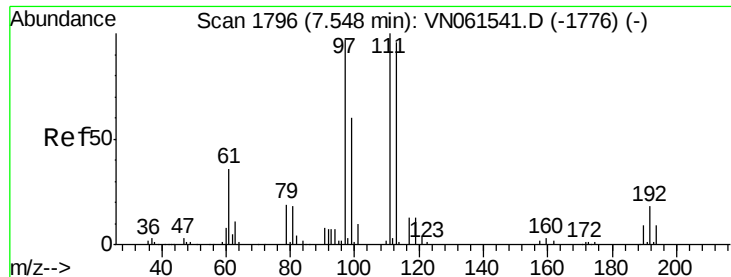
Ion Ratio Lower Upper

114 100

63 16.9 0.0 35.8

88 15.0 0.0 31.0

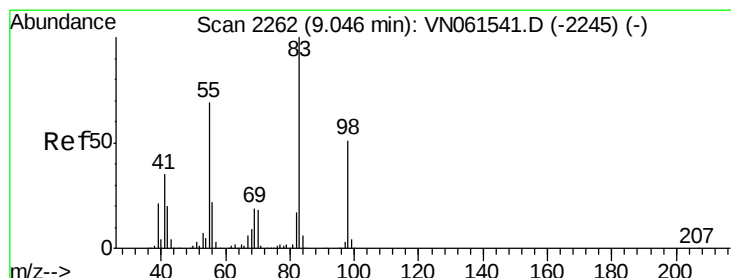
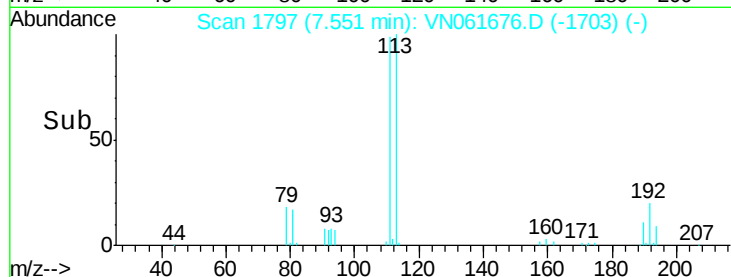
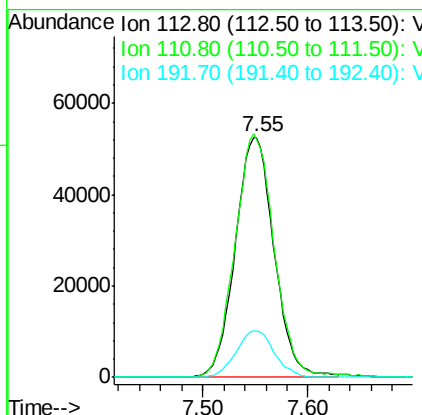
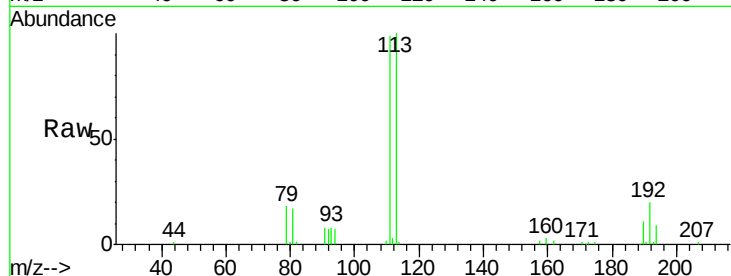




#35
 Dibromofluoromethane
 Concen: 53.676 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN061676.D
 Acq: 5 Jun 2020 17:51

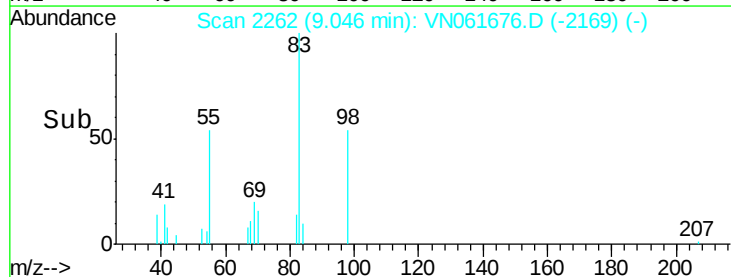
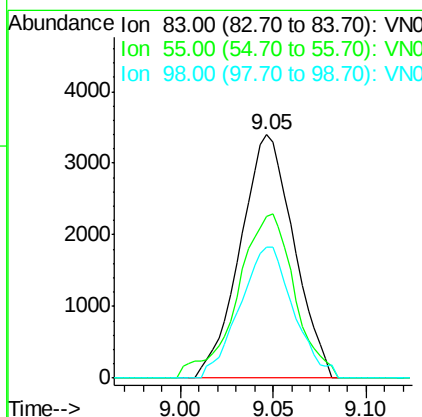
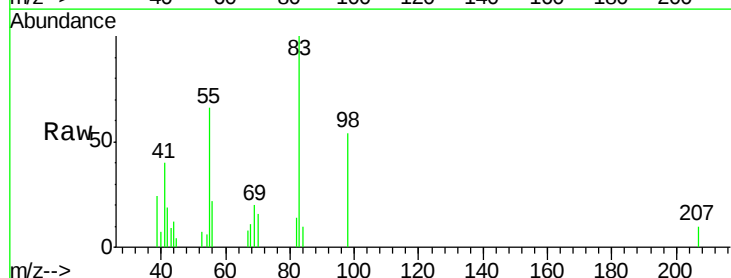
Instrument :
 MSVOA_N
 ClientSampleId :
 FDW-115

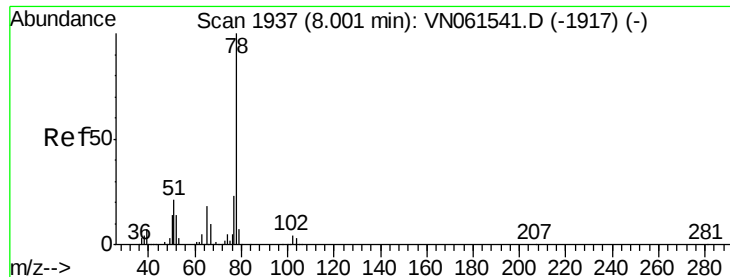
Tot Ion:113 Resp: 134266
 Ion Ratio Lower Upper
 113 100
 111 103.2 83.4 125.0
 192 19.2 15.4 23.2



#39
 Methylcyclohexane
 Concen: 1.268 ug/l
 RT: 9.05 min Scan# 2262
 Delta R.T. -0.00 min
 Lab File: VN061676.D
 Acq: 5 Jun 2020 17:51

Tgt Ion: 83 Resp: 6820
 Ion Ratio Lower Upper
 83 100
 55 66.4 54.9 82.3
 98 53.8 41.0 61.4





#40

Benzene

Concen: 5.673 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN061676.D

Acq: 5 Jun 2020 17:51

Instrument :

MSVOA_N

ClientSampleId :

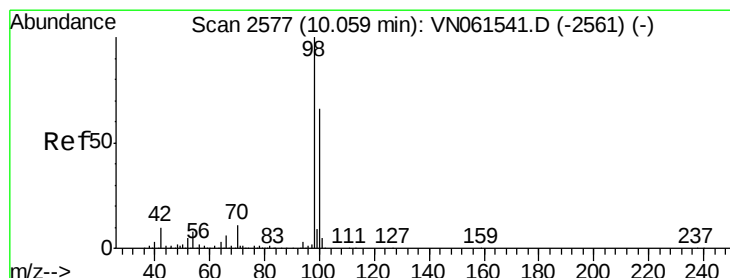
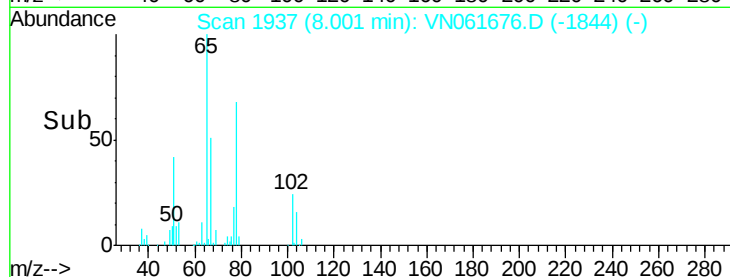
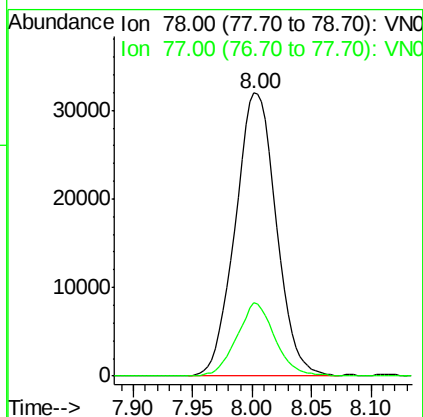
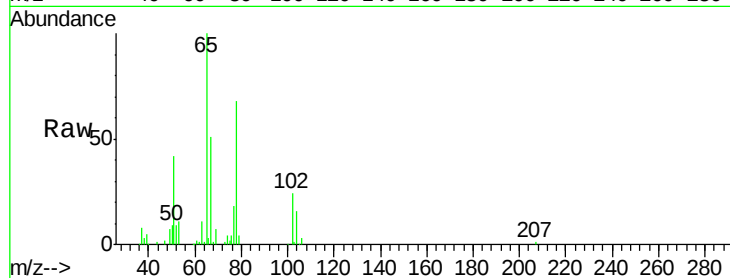
FDW-115

Tot Ion: 78 Resp: 76409

Ion Ratio Lower Upper

78 100

77 26.1 18.6 28.0



#50

Toluene-d8

Concen: 49.925 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061676.D

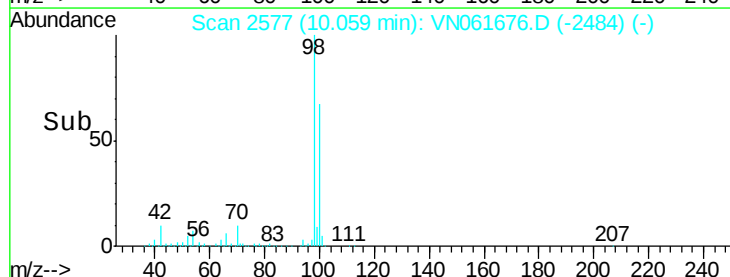
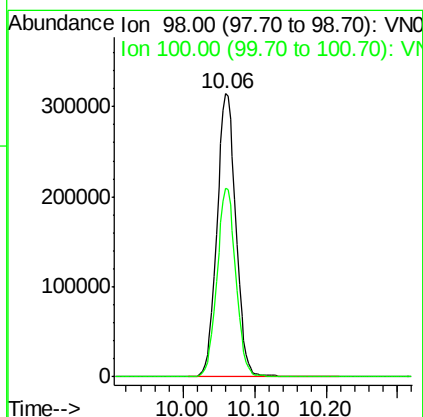
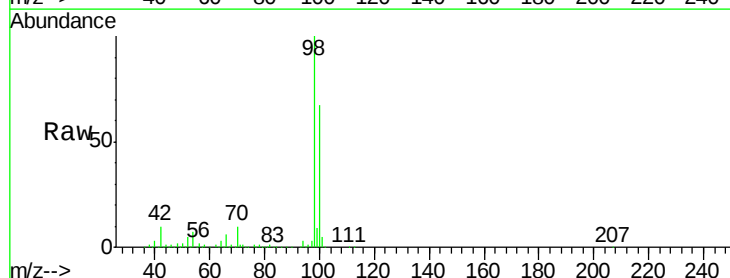
Acq: 5 Jun 2020 17:51

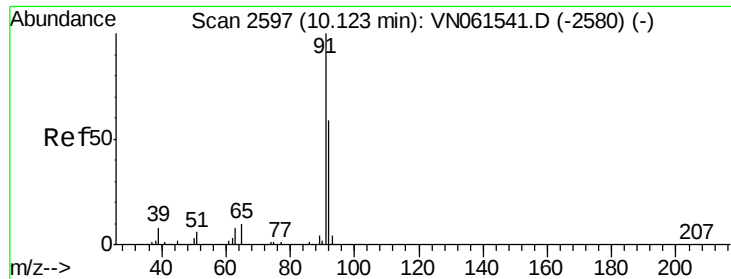
Tgt Ion: 98 Resp: 578718

Ion Ratio Lower Upper

98 100

100 66.1 52.8 79.2





#52

Toluene

Concen: 9.935 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN061676.D

Acq: 5 Jun 2020 17:51

Instrument :

MSVOA_N

ClientSampleId :

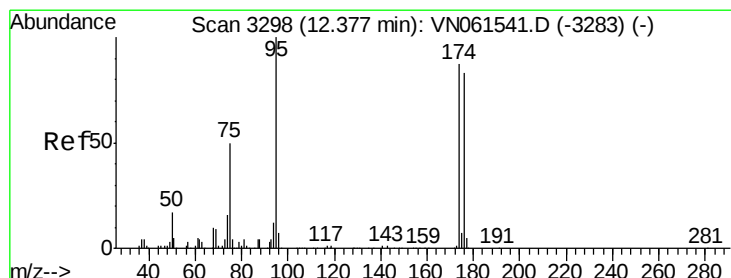
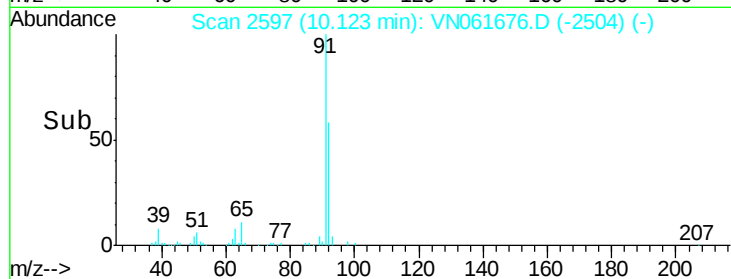
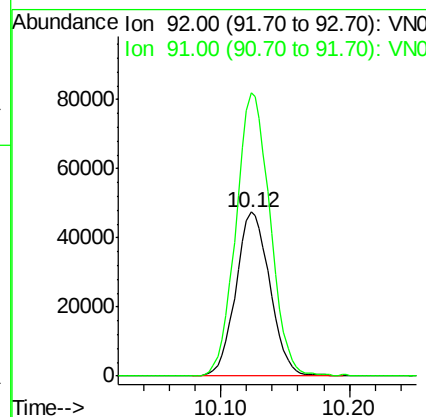
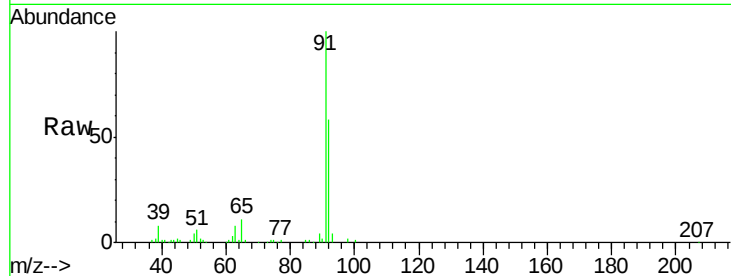
FDW-115

Tot Ion: 92 Resp: 87340

Ion Ratio Lower Upper

92 100

91 172.4 136.4 204.6



#62

4-Bromofluorobenzene

Concen: 50.827 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN061676.D

Acq: 5 Jun 2020 17:51

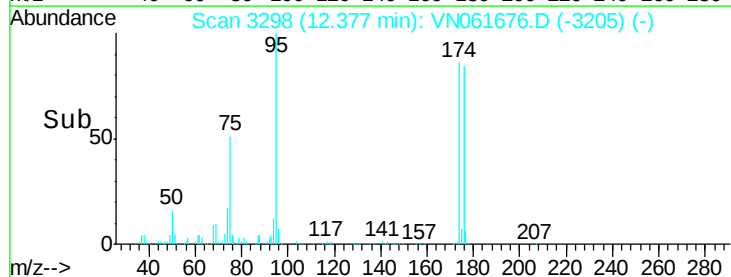
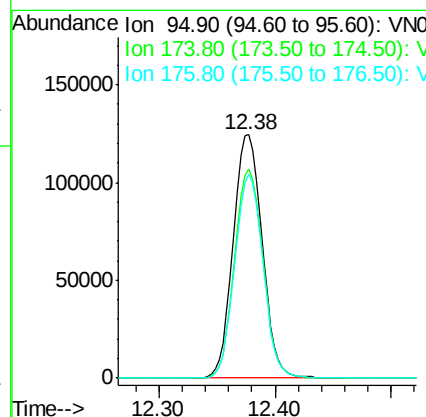
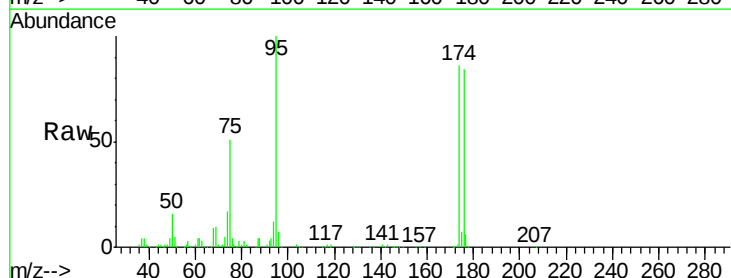
Tgt Ion: 95 Resp: 214954

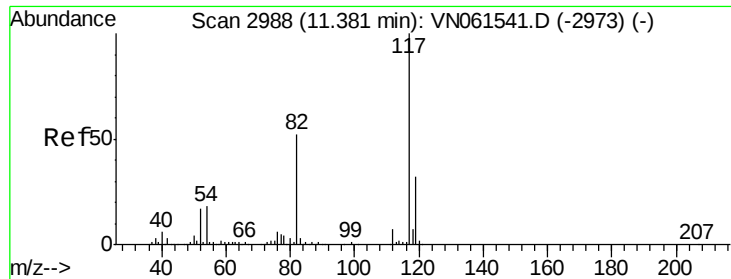
Ion Ratio Lower Upper

95 100

174 84.5 0.0 172.8

176 81.7 0.0 164.8

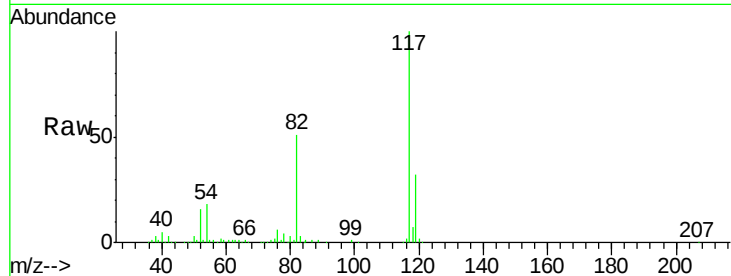




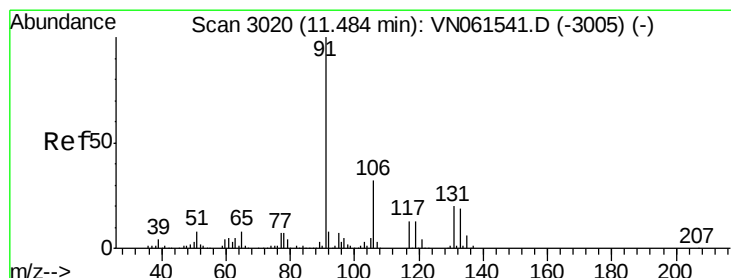
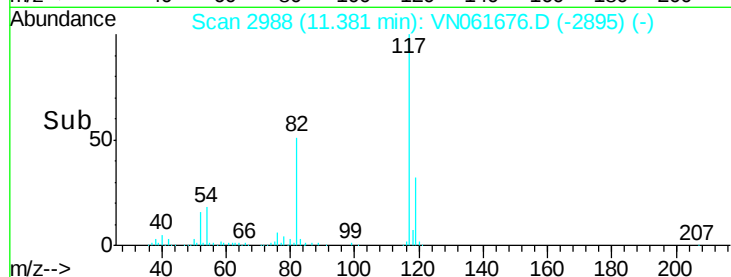
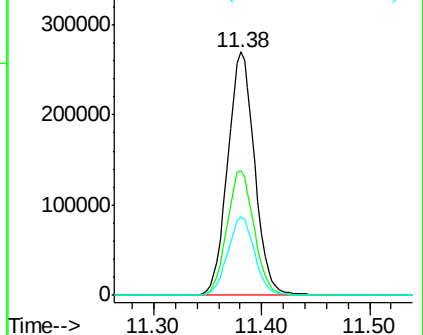
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061676.D
Acq: 5 Jun 2020 17:51

Instrument :
MSVOA_N
ClientSampleId :
FDW-115

Tot Ion:117 Resp: 469398
Ion Ratio Lower Upper
117 100
82 51.4 41.5 62.3
119 32.3 25.6 38.4

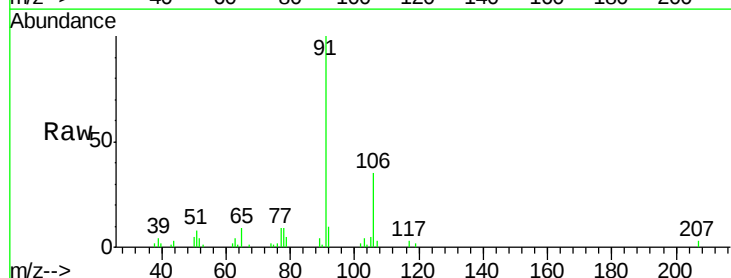


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

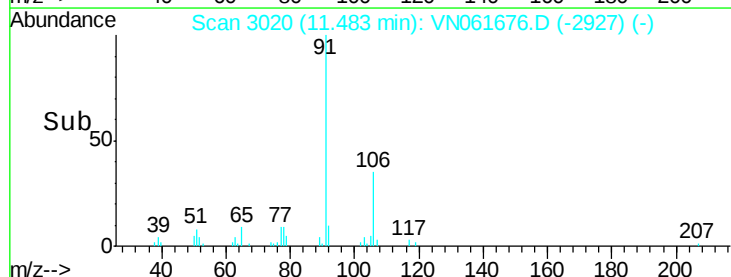
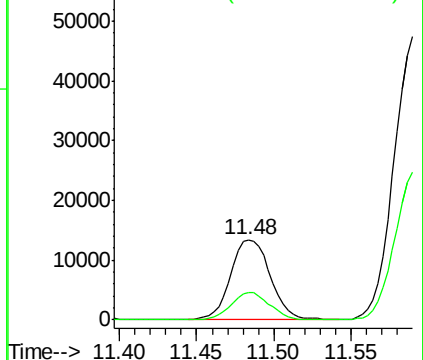


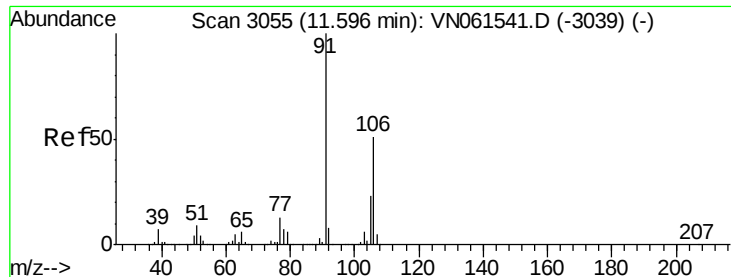
#67
Ethyl Benzene
Concen: 1.426 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN061676.D
Acq: 5 Jun 2020 17:51

Tgt Ion: 91 Resp: 24056
Ion Ratio Lower Upper
91 100
106 34.5 25.6 38.4



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

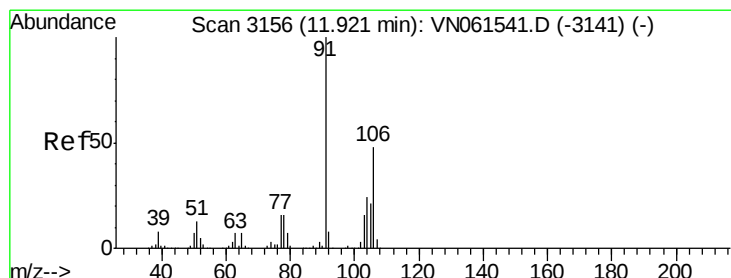
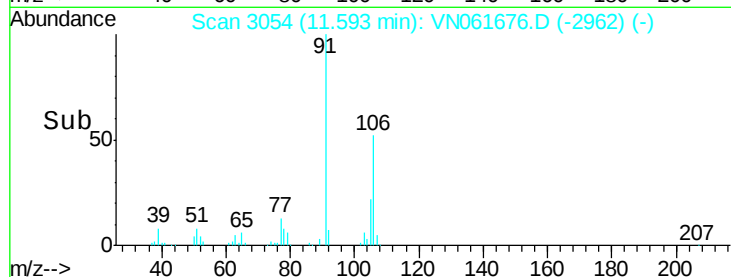
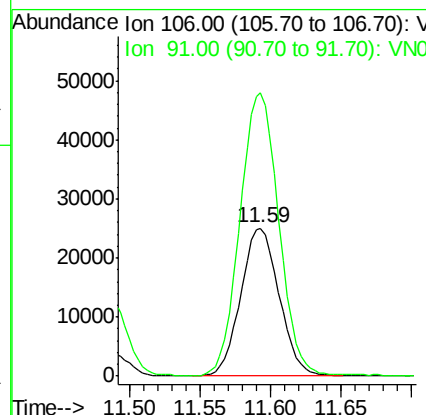
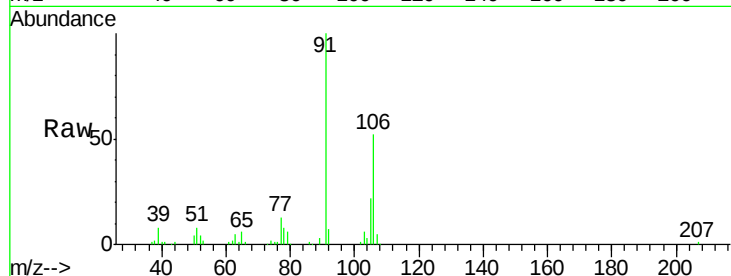




#68
m/p-Xylenes
Concen: 7.168 ug/l
RT: 11.59 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN061676.D
Acq: 5 Jun 2020 17:51

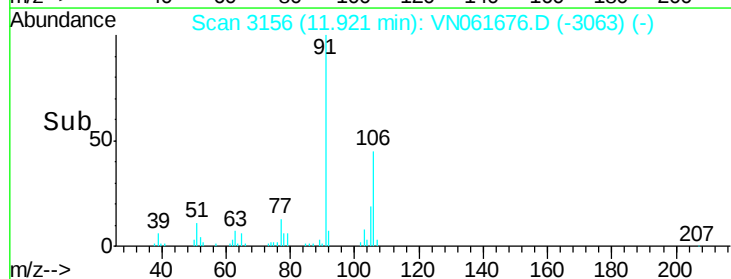
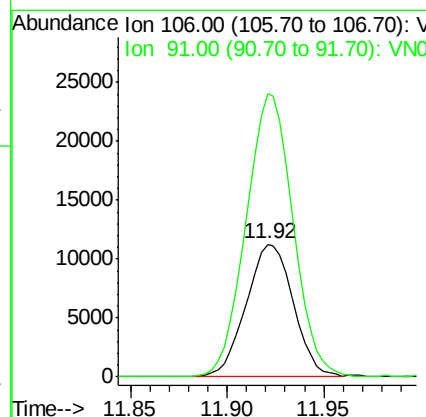
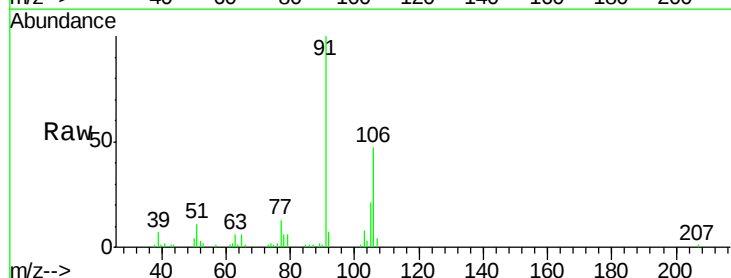
Instrument :
MSVOA_N
ClientSampled :
FDW-115

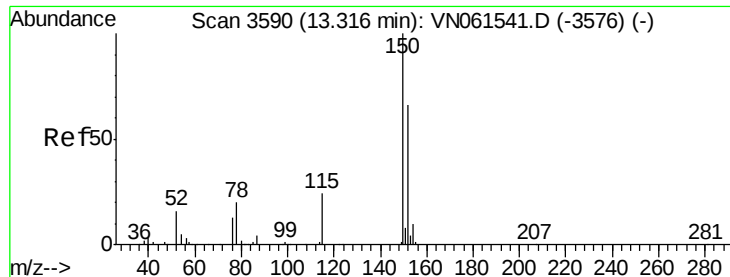
Tot Ion:106 Resp: 47928
Ion Ratio Lower Upper
106 100
91 193.0 156.2 234.4



#69
o-Xylene
Concen: 2.999 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN061676.D
Acq: 5 Jun 2020 17:51

Tgt Ion:106 Resp: 19049
Ion Ratio Lower Upper
106 100
91 212.6 103.3 309.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061676.D

Acq: 5 Jun 2020 17:51

Instrument :

MSVOA_N

ClientSampled :

FDW-115

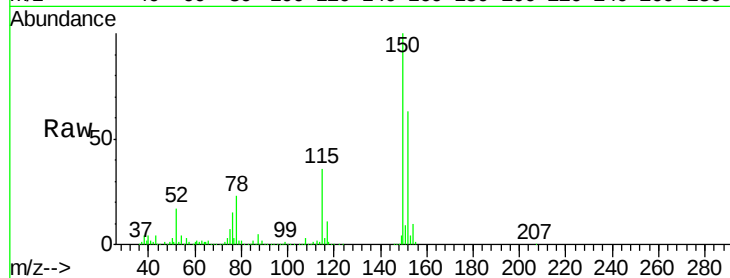
Tot Ion:152 Resp: 226183

Ion Ratio Lower Upper

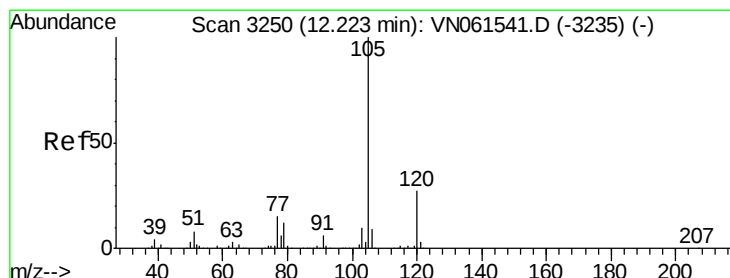
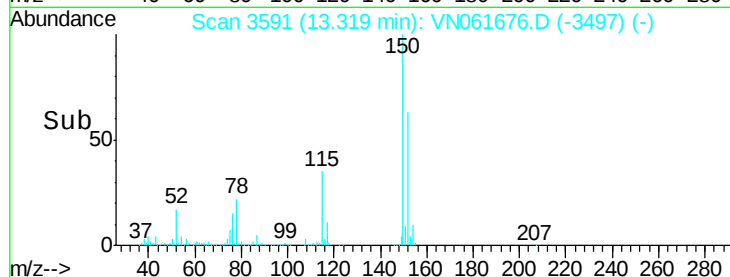
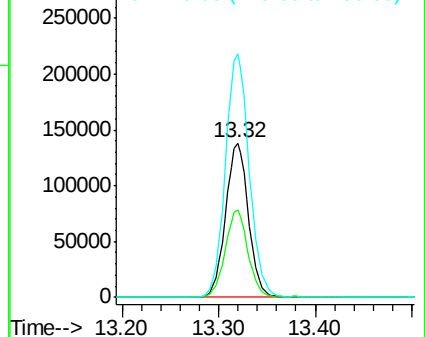
152 100

115 56.2 28.0 84.0

150 163.7 0.0 344.0



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: 0.329 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061676.D

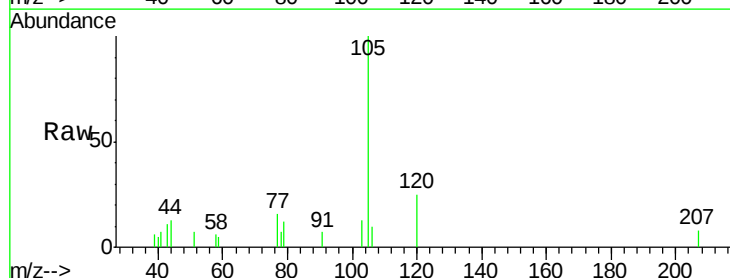
Acq: 5 Jun 2020 17:51

Tgt Ion:105 Resp: 5426

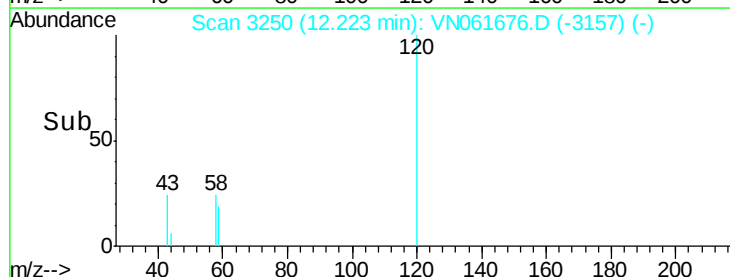
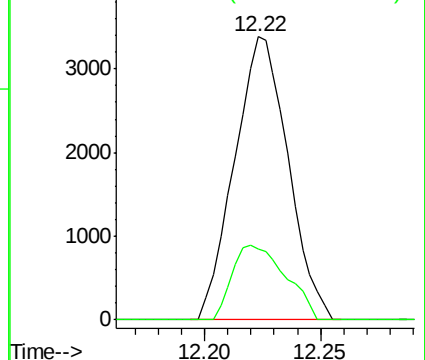
Ion Ratio Lower Upper

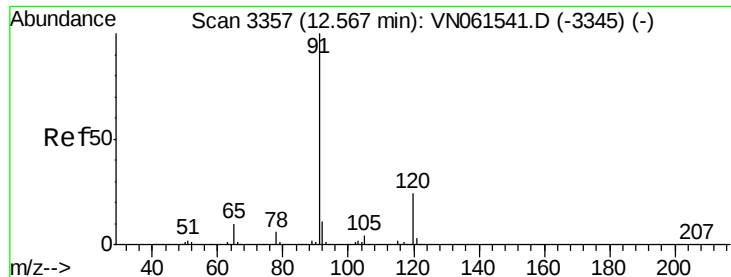
105 100

120 26.4 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 0.517 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN061676.D

Acq: 5 Jun 2020 17:51

Instrument :

MSVOA_N

ClientSampleId :

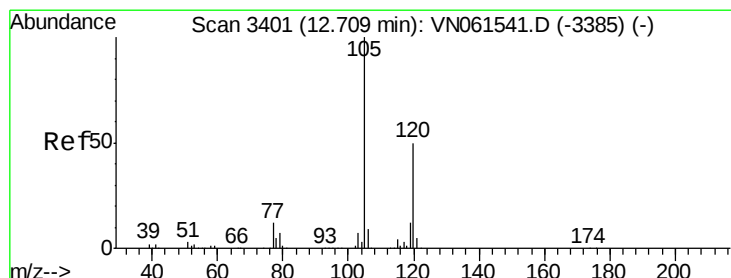
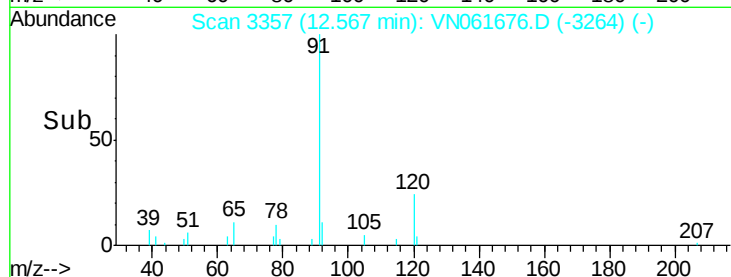
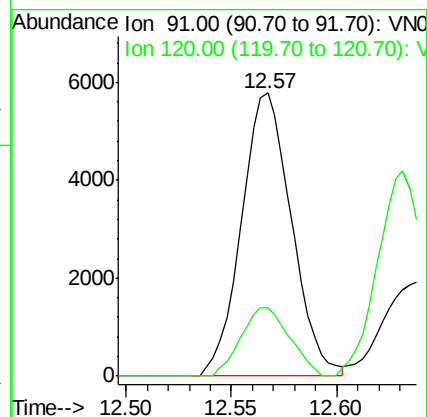
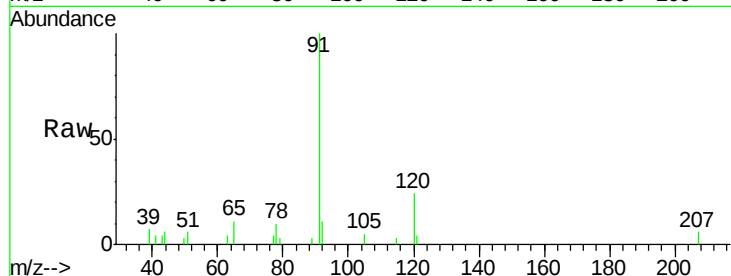
FDW-115

Tot Ion: 91 Resp: 9531

Ion Ratio Lower Upper

91 100

120 23.4 12.3 36.9



#80

1,3,5-Trimethylbenzene

Concen: 1.105 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN061676.D

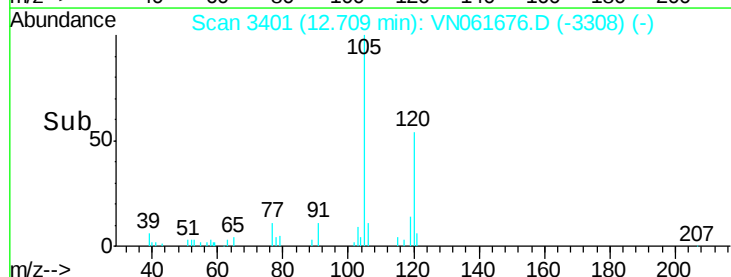
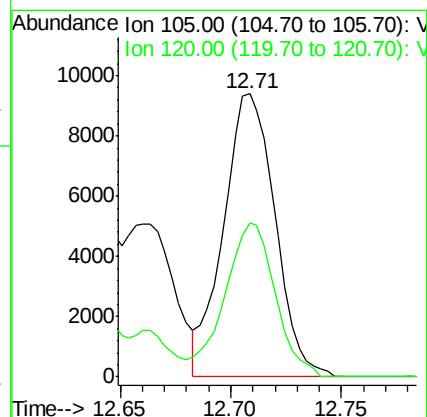
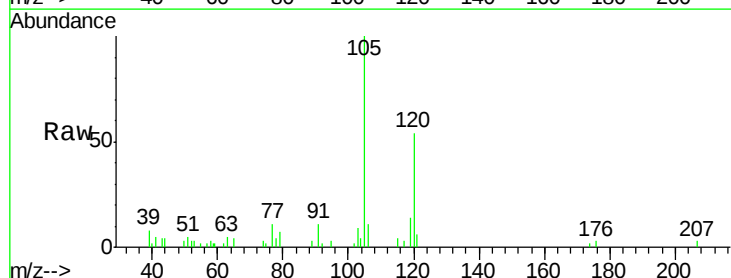
Acq: 5 Jun 2020 17:51

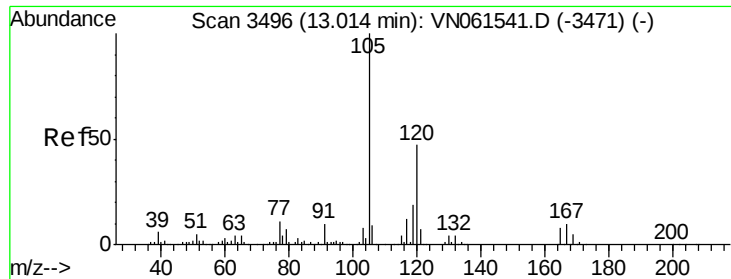
Tgt Ion: 105 Resp: 15251

Ion Ratio Lower Upper

105 100

120 53.3 25.1 75.2

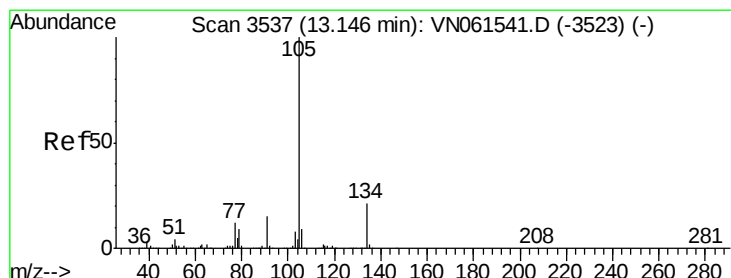
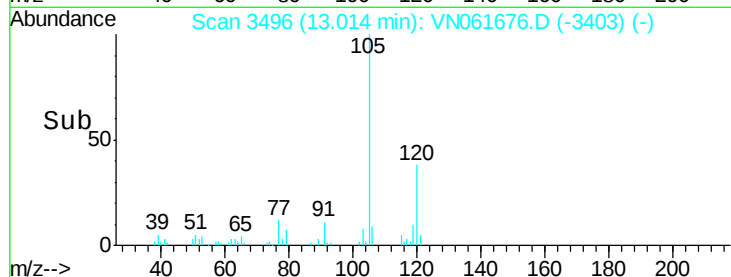
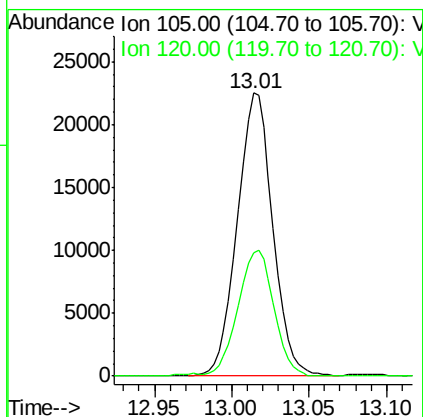
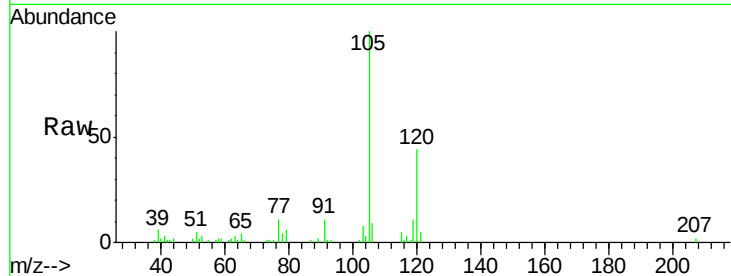




#84
 1,2,4-Trimethylbenzene
 Concen: 2.617 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. -0.00 min
 Lab File: VN061676.D
 Acq: 5 Jun 2020 17:51

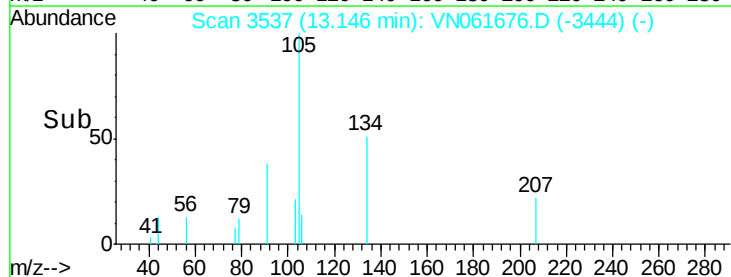
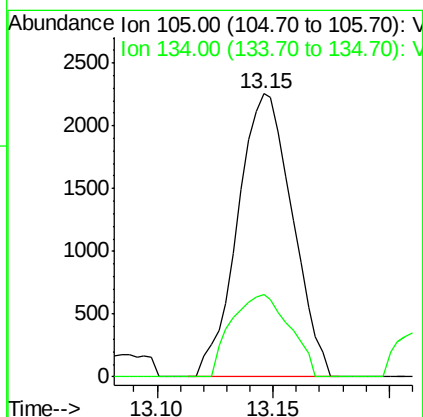
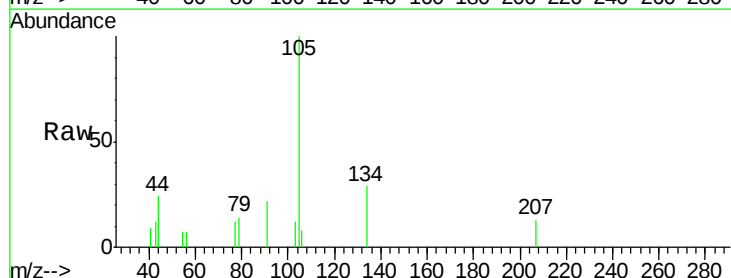
Instrument :
 MSVOA_N
 ClientSampleId :
 FDW-115

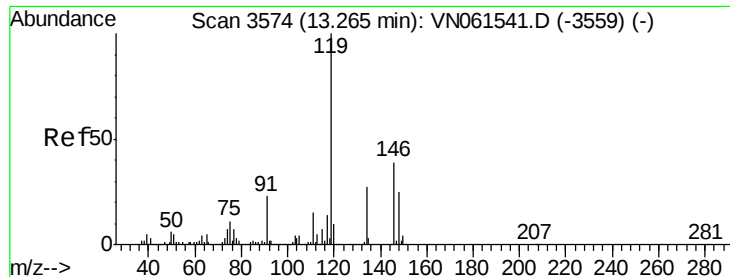
Tot Ion:105 Resp: 35874
 Ion Ratio Lower Upper
 105 100
 120 45.0 23.2 69.5



#85
 sec-Butylbenzene
 Concen: 0.235 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN061676.D
 Acq: 5 Jun 2020 17:51

Tgt Ion:105 Resp: 3689
 Ion Ratio Lower Upper
 105 100
 134 30.9 10.7 31.9

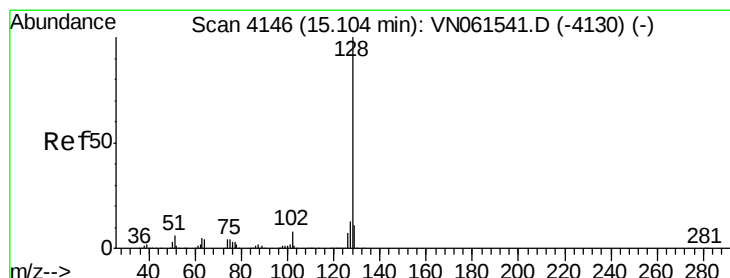
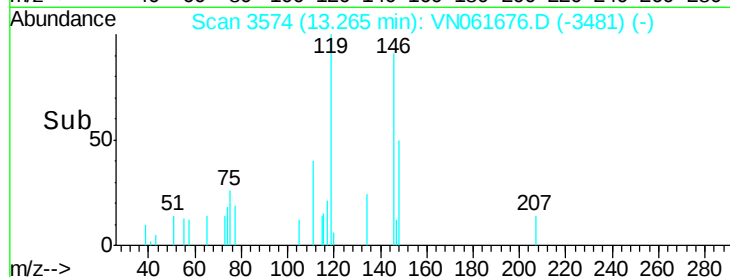
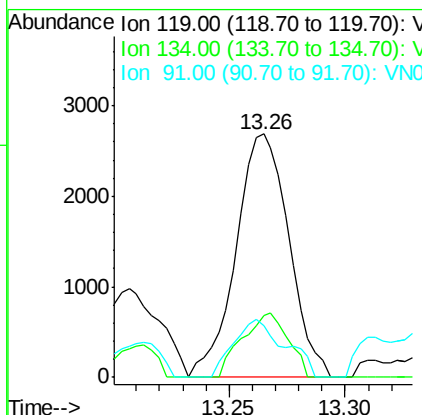
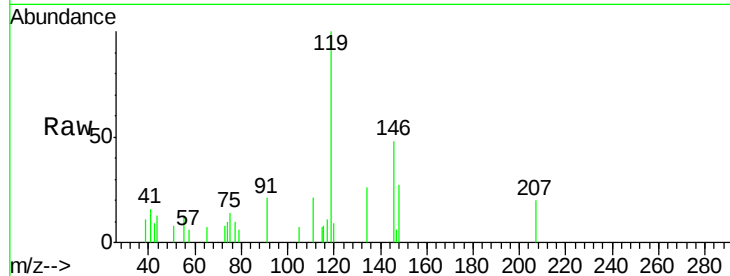




#86
 p-Isopropyltoluene
 Concen: 0.294 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN061676.D
 Acq: 5 Jun 2020 17:51

Instrument :
 MSVOA_N
 ClientSampled :
 FDW-115

Tot Ion:119 Resp: 4255
 Ion Ratio Lower Upper
 119 100
 134 23.0 13.5 40.5
 91 23.1 11.4 34.1



#95
 Naphthalene
 Concen: 3.820 ug/l
 RT: 15.10 min Scan# 4146
 Delta R.T. -0.00 min
 Lab File: VN061676.D
 Acq: 5 Jun 2020 17:51

Tgt Ion:128 Resp: 48495
 Ion Ratio Lower Upper
 128 100
 127 13.4 10.0 15.0
 129 10.2 8.5 12.7

