

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092619\
 Data File : VN058384.D
 Acq On : 26 Sep 2019 14:36
 Operator : JC/SP
 Sample : K5039-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30476-80

Quant Time: Sep 27 04:34:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	459030	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	775009	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	669259	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	310637	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	332060	51.94	ug/l	0.00
Spiked Amount			Recovery	=	103.88%	
35) Dibromofluoromethane	7.57	113	224191	47.58	ug/l	0.00
Spiked Amount			Recovery	=	95.16%	
50) Toluene-d8	10.09	98	945248	51.49	ug/l	0.00
Spiked Amount			Recovery	=	102.98%	
62) 4-Bromofluorobenzene	12.41	95	326471	47.88	ug/l	0.00
Spiked Amount			Recovery	=	95.76%	

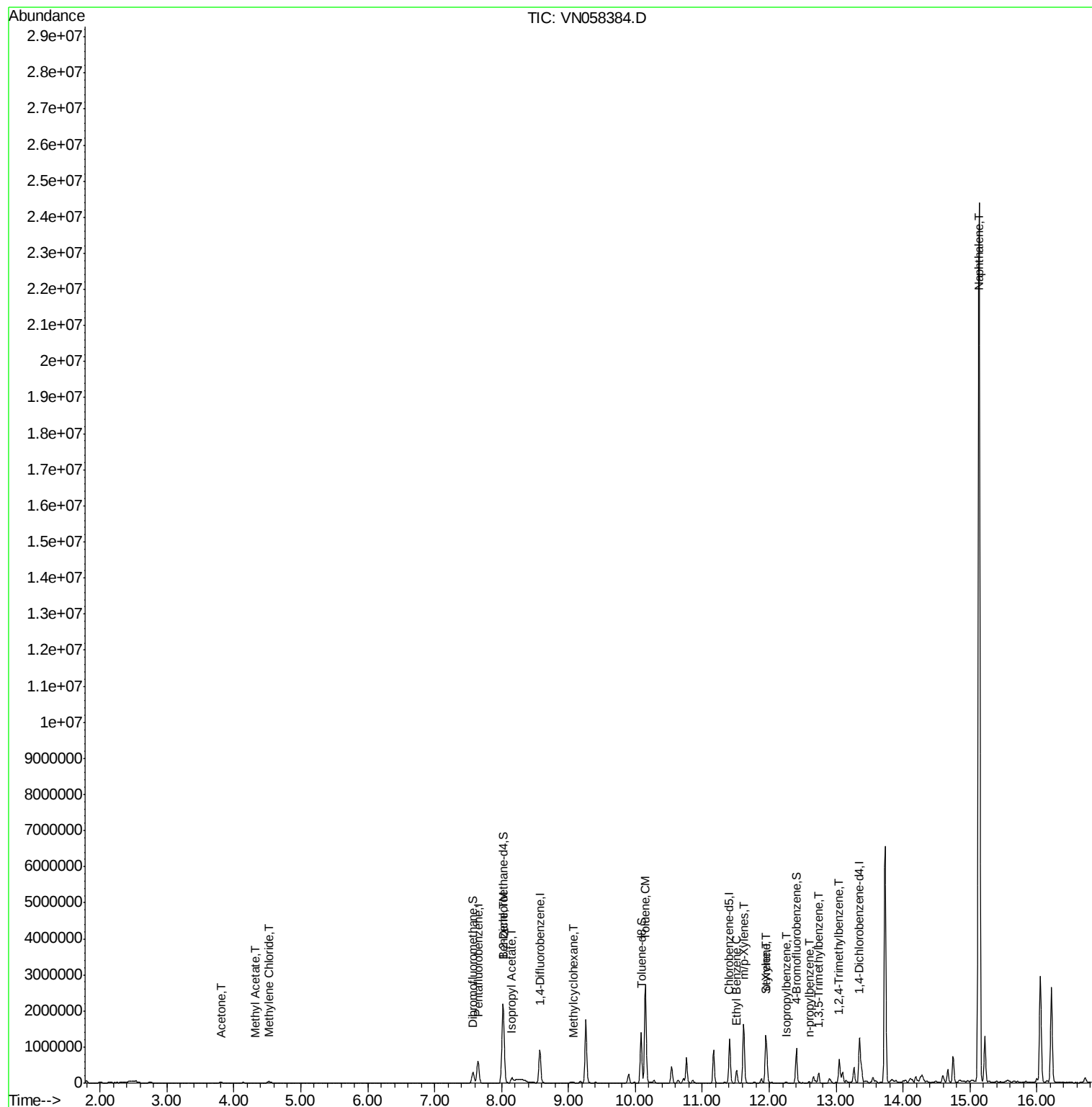
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	35333	16.281	ug/l	99
18) Methyl Acetate	4.31	43	8609	1.508	ug/l	96
20) Methylene Chloride	4.52	84	30502	7.841	ug/l	98
39) Methylcyclohexane	9.07	83	7148	1.392	ug/l #	82
40) Benzene	8.02	78	2010264	117.761	ug/l	100
43) Isopropyl Acetate	8.15	43	174209	16.082	ug/l #	79
52) Toluene	10.15	92	1171209	109.476	ug/l	99
67) Ethyl Benzene	11.51	91	249803	12.384	ug/l	99
68) m/p-Xylenes	11.62	106	476489	62.721	ug/l	95
69) o-Xylene	11.95	106	307652	41.185	ug/l	99
70) Styrene	11.97	104	221015	17.172	ug/l #	86
73) Isopropylbenzene	12.25	105	19617	1.009	ug/l	99
78) n-propylbenzene	12.60	91	28714	1.300	ug/l	96
80) 1,3,5-Trimethylbenzene	12.74	105	151298	9.202	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	388116	23.720	ug/l	90
95) Naphthalene	15.14	128	7851863	529.176	ug/l #	16

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

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Quant Title : SW846 8260
QLast Update : Thu Sep 19 09:27:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058384.D

Acq: 26 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

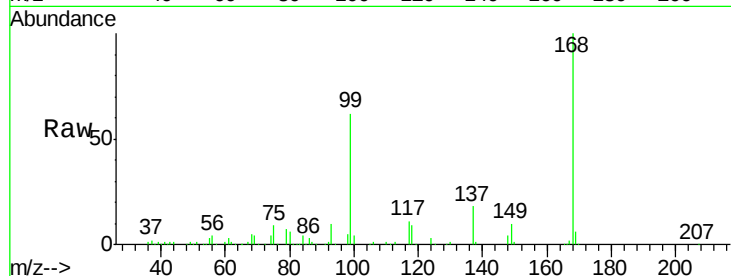
30476-80

Tot Ion:168 Resp: 459030

Ion Ratio Lower Upper

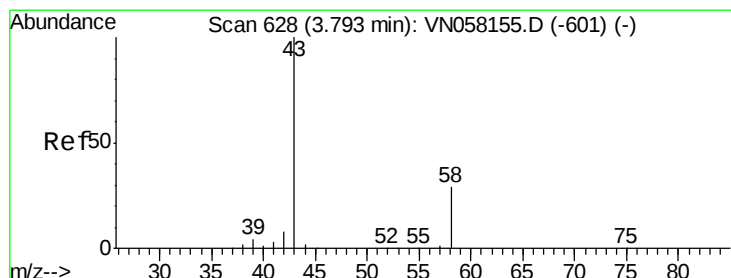
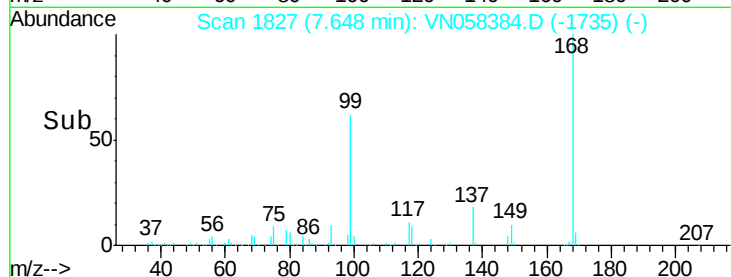
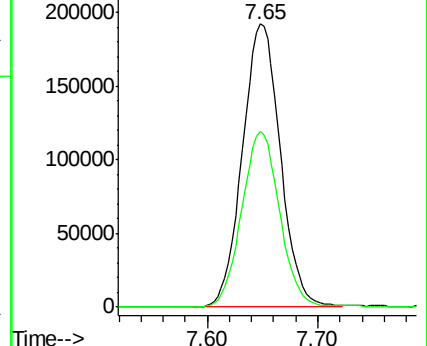
168 100

99 62.0 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#16

Acetone

Concen: 16.281 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN058384.D

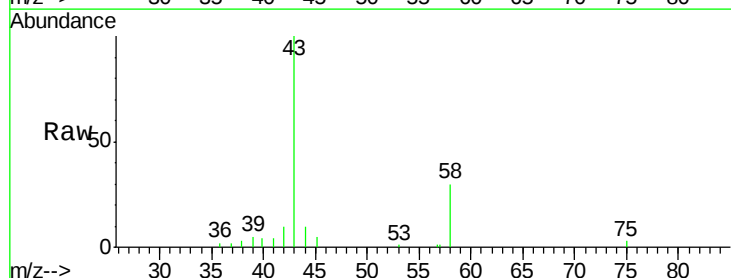
Acq: 26 Sep 2019 14:36

Tgt Ion: 43 Resp: 35333

Ion Ratio Lower Upper

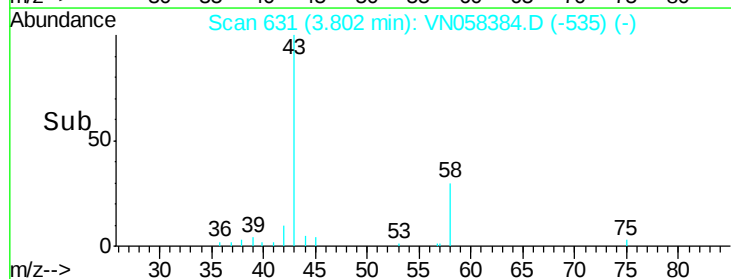
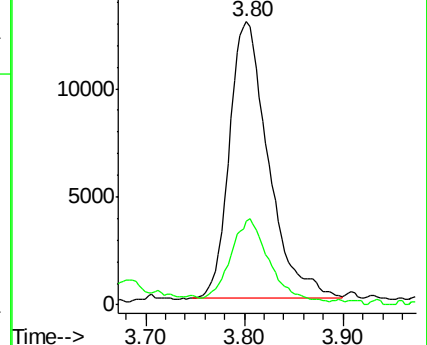
43 100

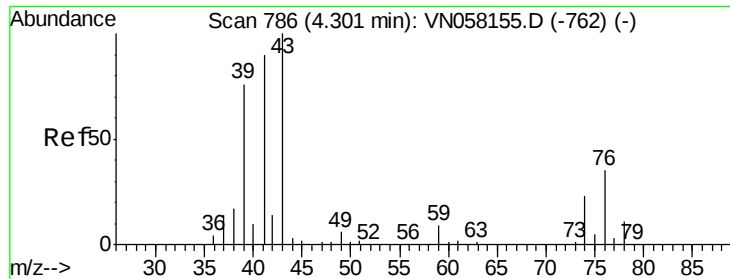
58 28.7 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

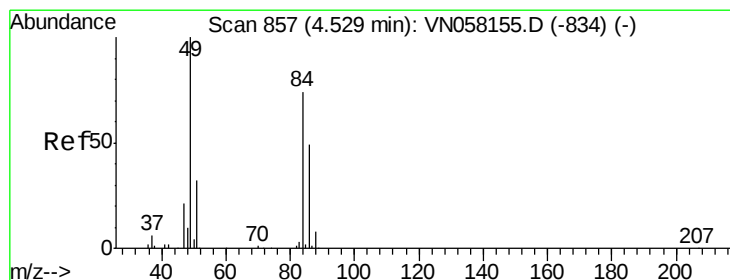
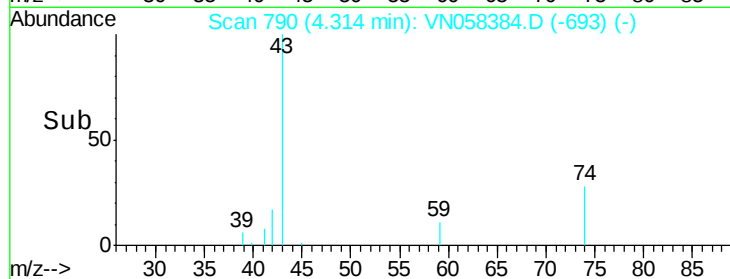
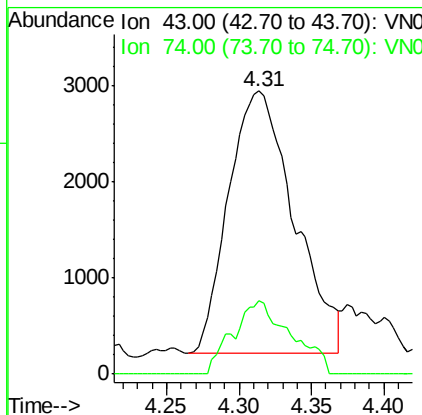
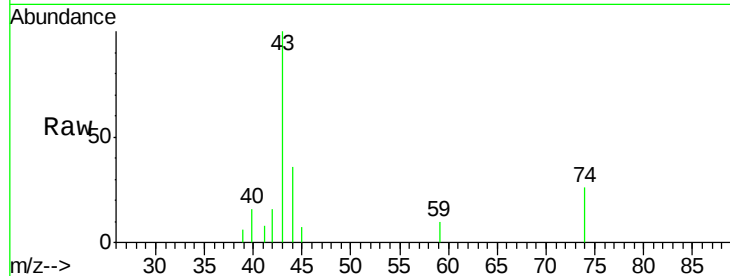




#18
Methvl Acetate
Concen: 1.508 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.01 min
Lab File: VN058384.D
Acq: 26 Sep 2019 14:36

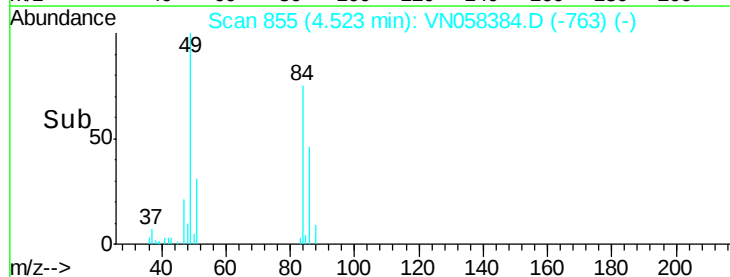
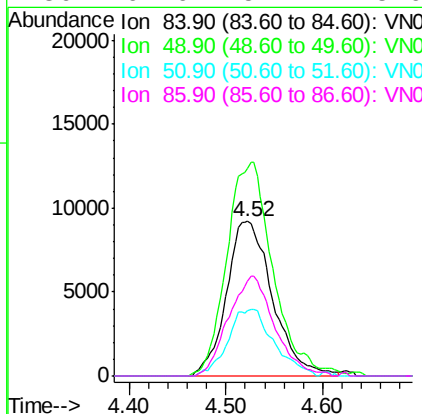
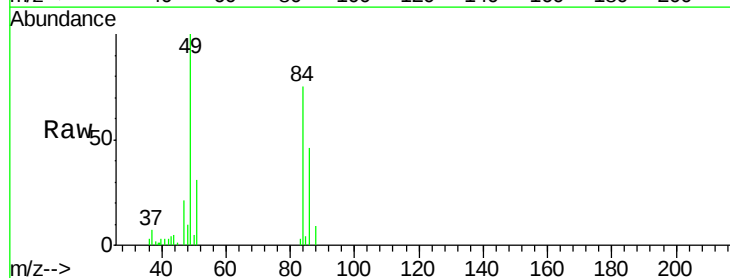
Instrument :
MSVOA_N
ClientSampled :
30476-80

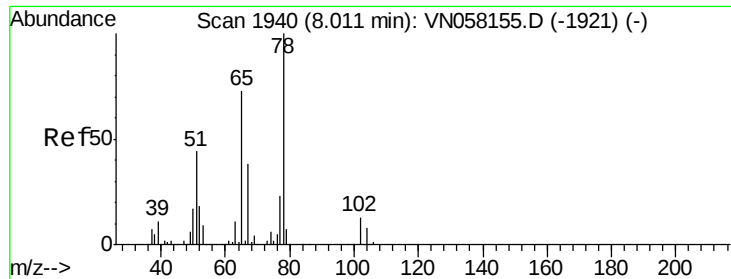
Tot Ion: 43 Resp: 8609
Ion Ratio Lower Upper
43 100
74 24.5 18.0 27.0



#20
Methylene Chloride
Concen: 7.841 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.01 min
Lab File: VN058384.D
Acq: 26 Sep 2019 14:36

Tgt Ion: 84 Resp: 30502
Ion Ratio Lower Upper
84 100
49 134.1 107.5 161.3
51 41.8 33.9 50.9
86 61.6 52.4 78.6

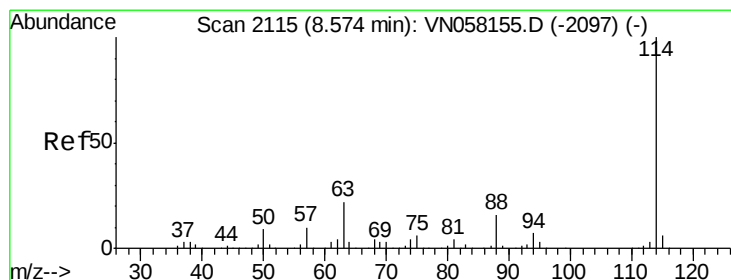
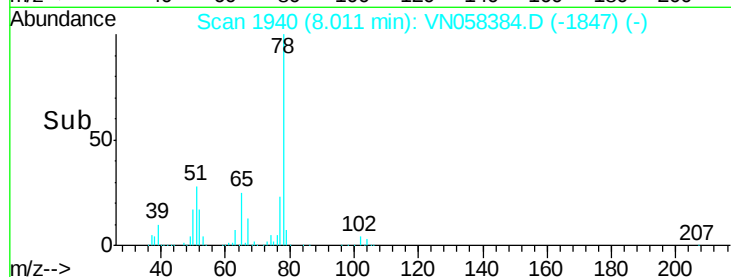
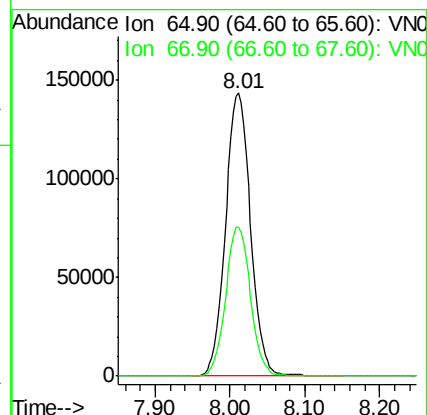
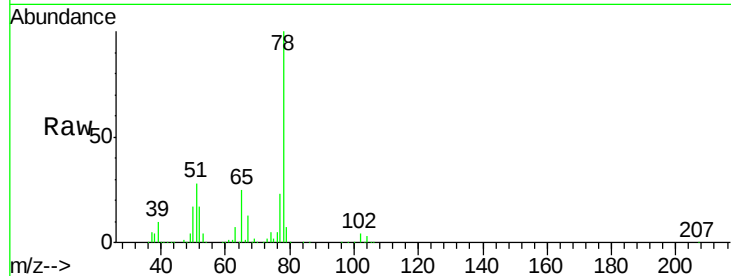




#33
 1,2-Dichloroethane-d4
 Concen: 51.938 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058384.D
 Acq: 26 Sep 2019 14:36

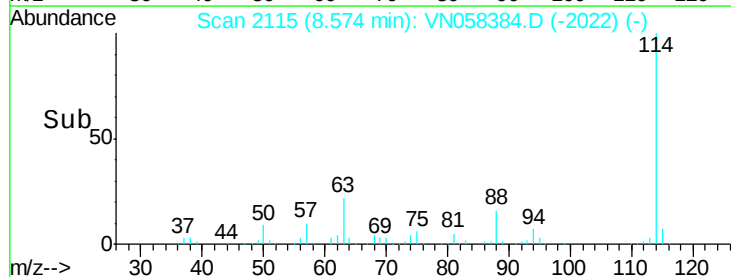
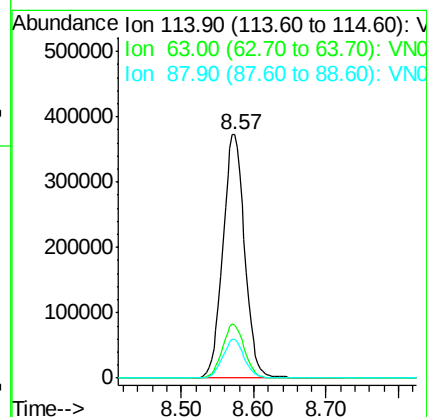
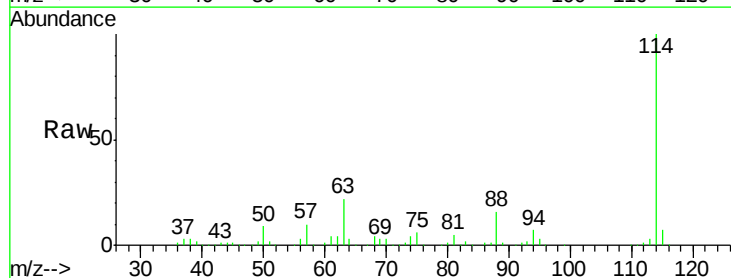
Instrument :
 MSVOA_N
 ClientSampleId :
 30476-80

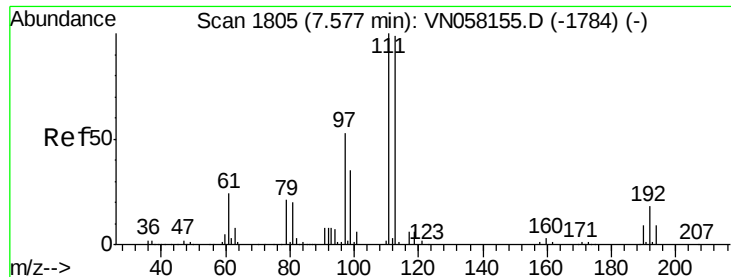
Tot Ion: 65 Resp: 332060
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 103.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058384.D
 Acq: 26 Sep 2019 14:36

Tgt Ion: 114 Resp: 775009
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 44.2
 88 15.8 0.0 31.6

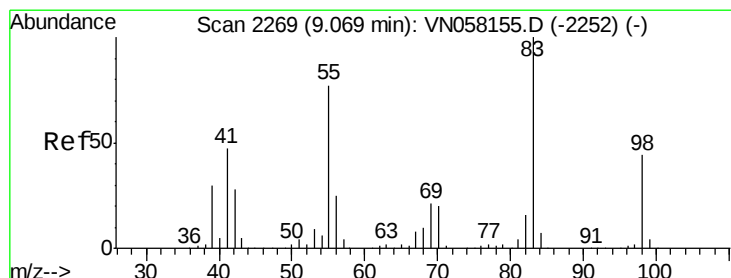
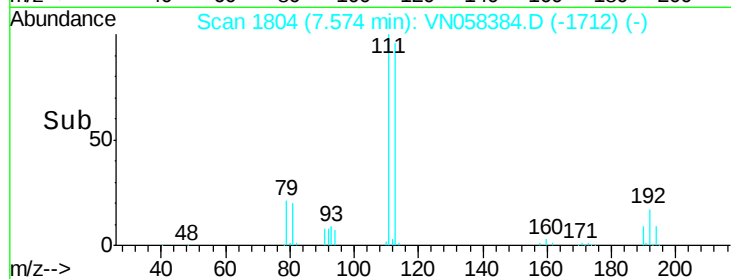
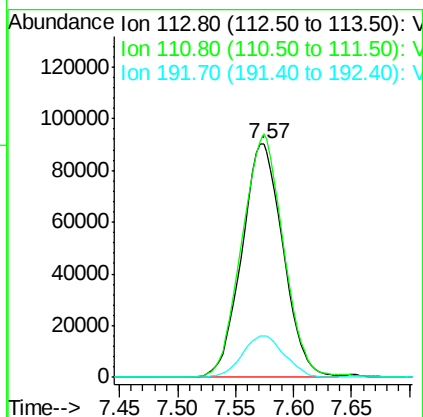
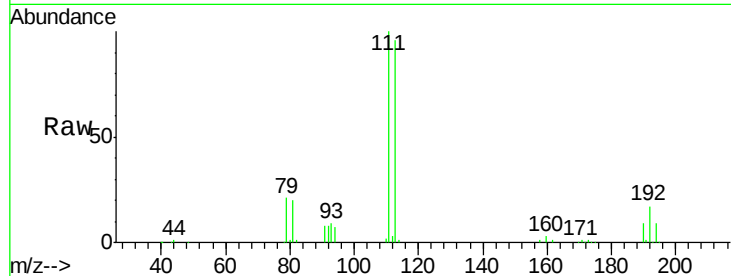




#35
Dibromofluoromethane
Concen: 47.585 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN058384.D
Acq: 26 Sep 2019 14:36

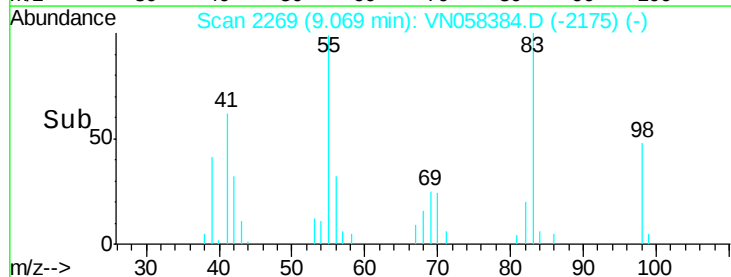
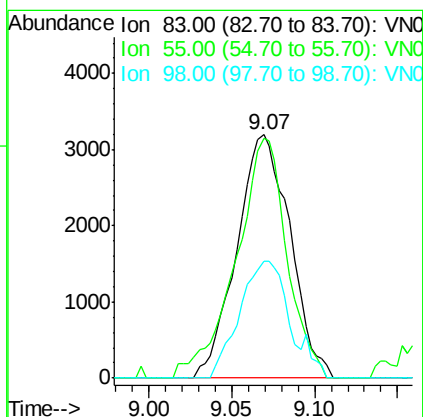
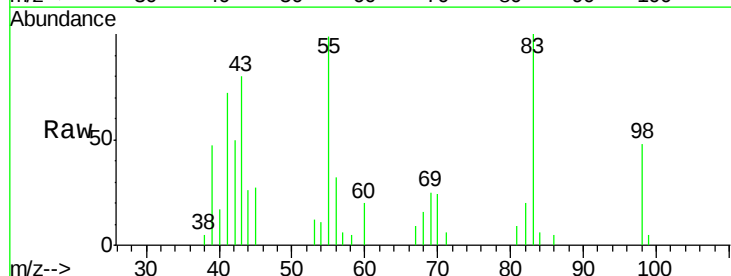
Instrument :
MSVOA_N
ClientSampled :
30476-80

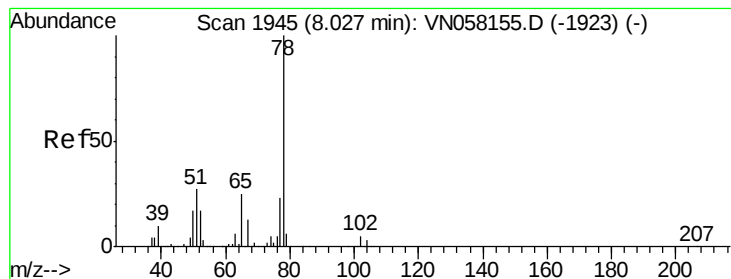
Tot Ion	Ratio	Lower	Upper
113	100		
111	105.2	81.8	122.6
192	18.3	14.5	21.7



#39
Methylcyclohexane
Concen: 1.392 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058384.D
Acq: 26 Sep 2019 14:36

Tgt Ion	Ratio	Lower	Upper
83	100		
55	98.6	61.9	92.9#
98	48.1	35.4	53.2





#40

Benzene

Concen: 117.761 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN058384.D

Acq: 26 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

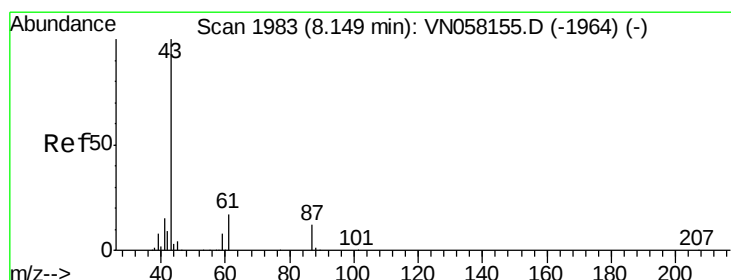
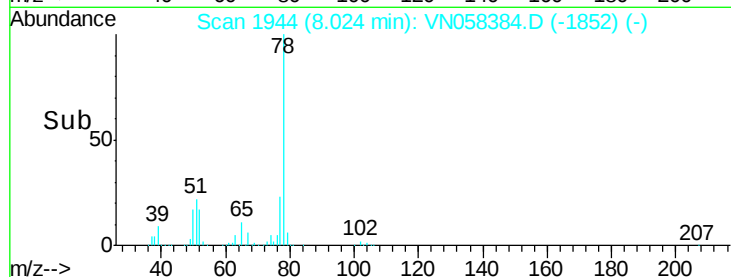
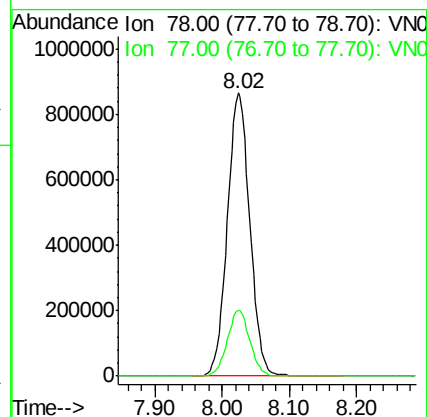
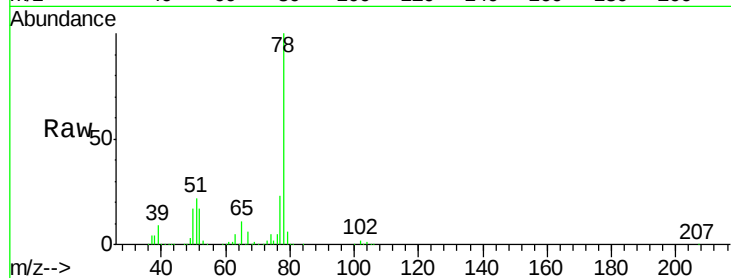
30476-80

Tot Ion: 78 Resp: 2010264

Ion Ratio Lower Upper

78 100

77 23.4 18.8 28.2



#43

Isopropyl Acetate

Concen: 16.082 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058384.D

Acq: 26 Sep 2019 14:36

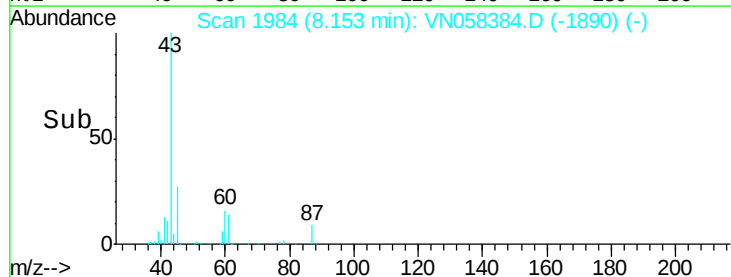
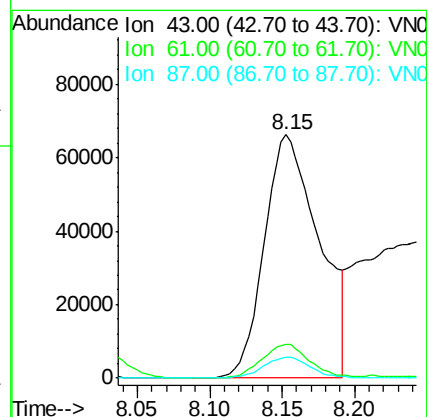
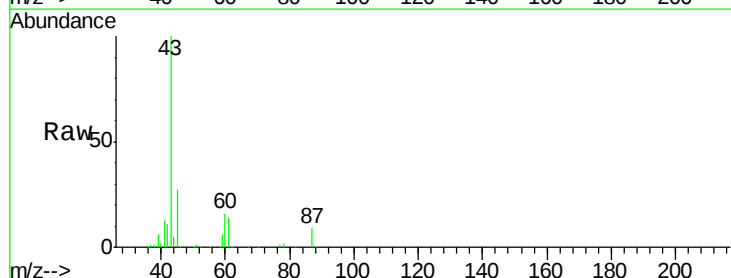
Tgt Ion: 43 Resp: 174209

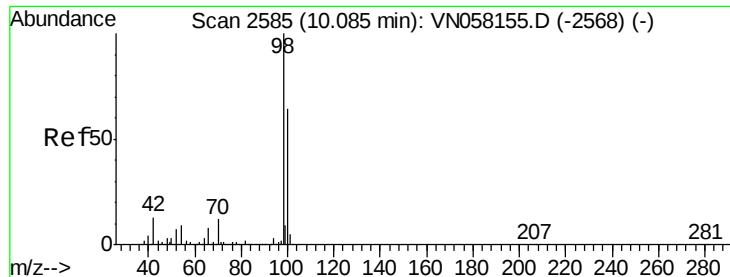
Ion Ratio Lower Upper

43 100

61 12.1 19.7 29.5#

87 7.4 9.4 14.2#





#50

Toluene-d8

Concen: 51.494 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058384.D

Acq: 26 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

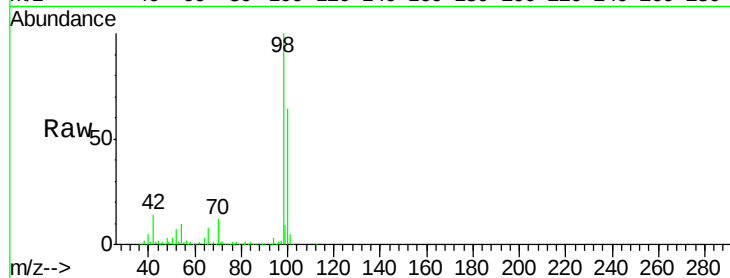
30476-80

Tot Ion: 98 Resp: 945248

Ion Ratio Lower Upper

98 100

100 64.0 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN058155.D (-2568) (-)

Ion 100.00 (99.70 to 100.70): VN058155.D (-2568) (-)

10.09

600000

500000

400000

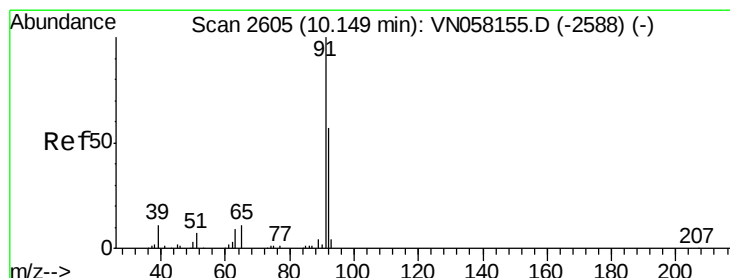
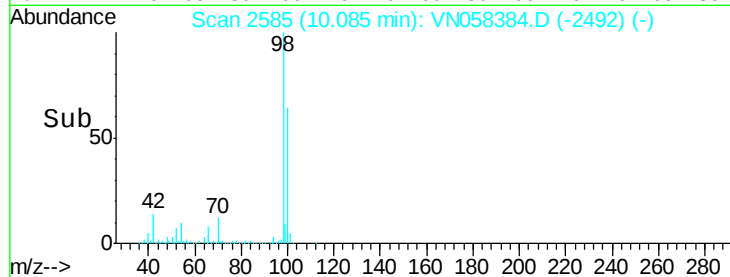
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 109.476 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058384.D

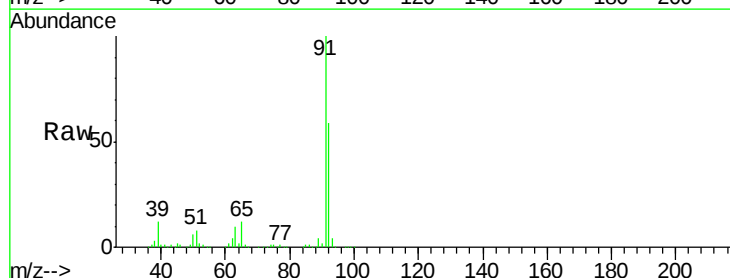
Acq: 26 Sep 2019 14:36

Tgt Ion: 92 Resp: 1171209

Ion Ratio Lower Upper

92 100

91 173.7 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN058155.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN058155.D (-2588) (-)

10.15

1200000

1000000

800000

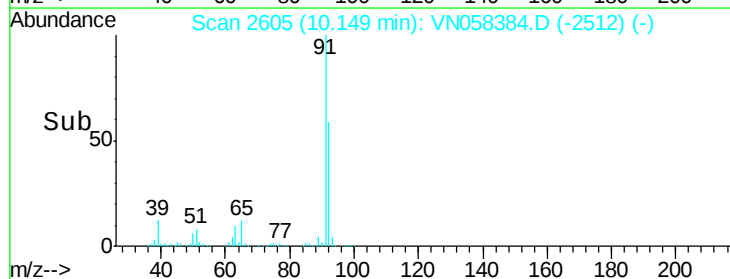
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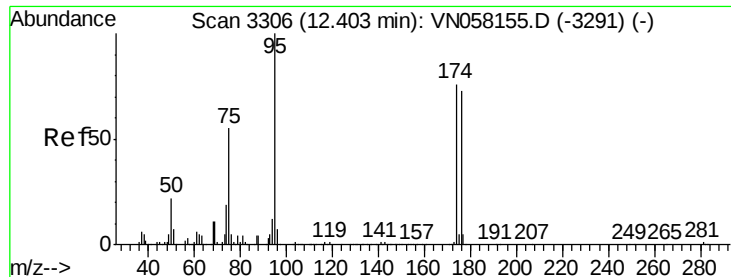
400000

200000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 47.878 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058384.D

Acq: 26 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampled :

30476-80

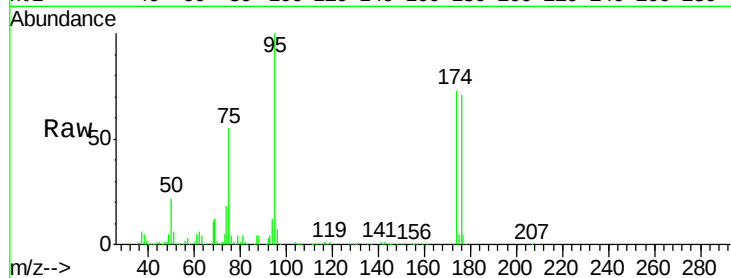
Tot Ion: 95 Resp: 326471

Ion Ratio Lower Upper

95 100

174 73.4 0.0 152.2

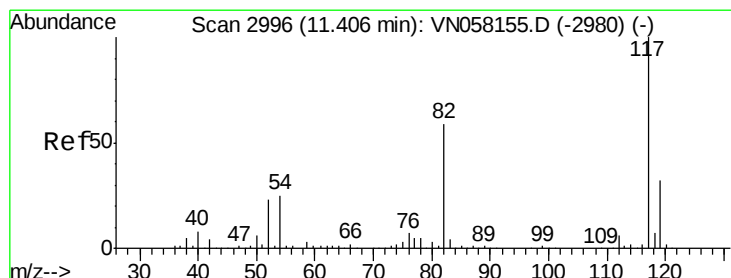
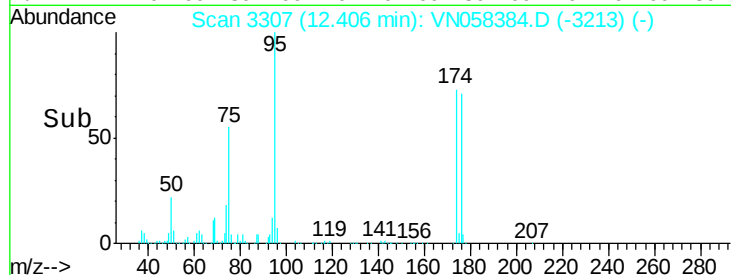
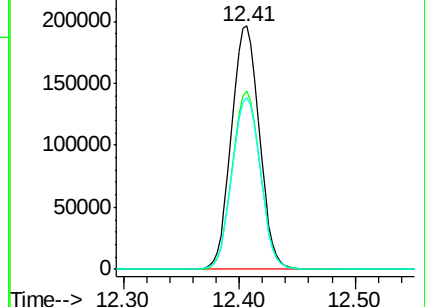
176 71.5 0.0 148.0



Abundance Ion 94.90 (94.60 to 95.60): VN058155.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN058155.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN058155.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058384.D

Acq: 26 Sep 2019 14:36

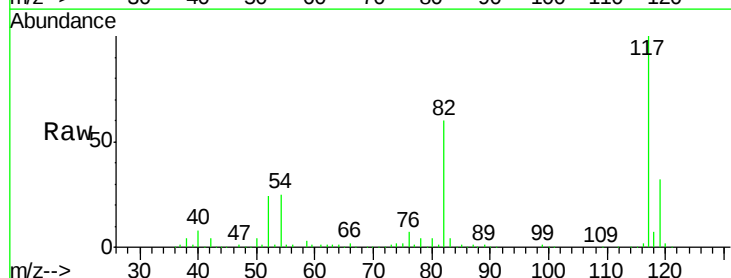
Tgt Ion: 117 Resp: 669259

Ion Ratio Lower Upper

117 100

82 59.6 46.9 70.3

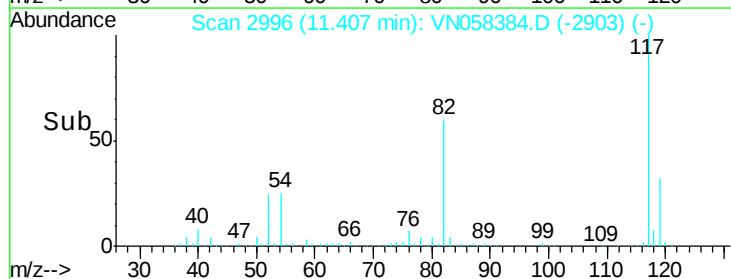
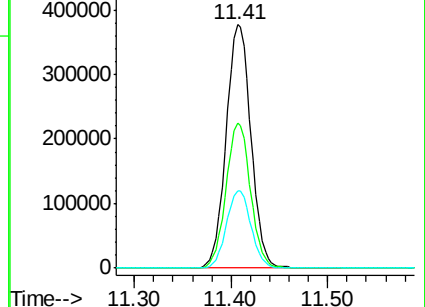
119 31.7 25.3 37.9

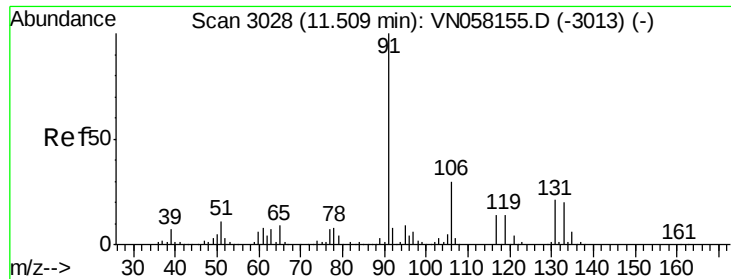


Abundance Ion 116.90 (116.60 to 117.60): VN058155.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN058155.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN058155.D (-2980) (-)





#67

Ethyl Benzene

Concen: 12.384 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058384.D

Acq: 26 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampled :

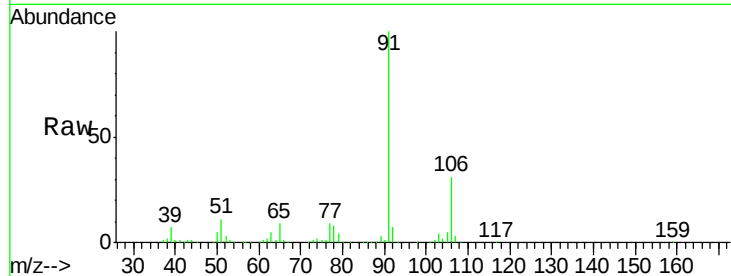
30476-80

Tot Ion: 91 Resp: 249803

Ion Ratio Lower Upper

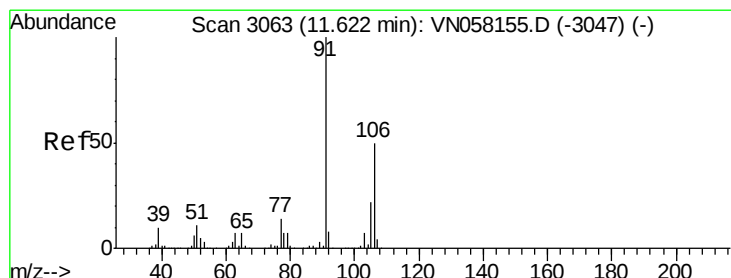
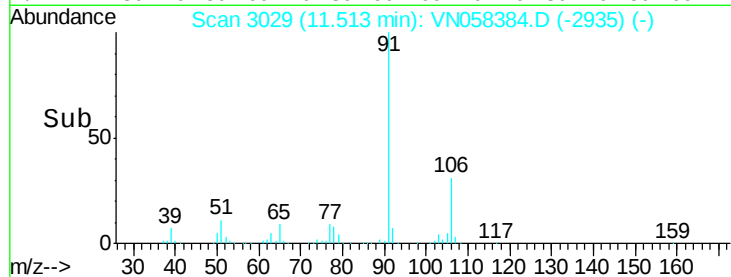
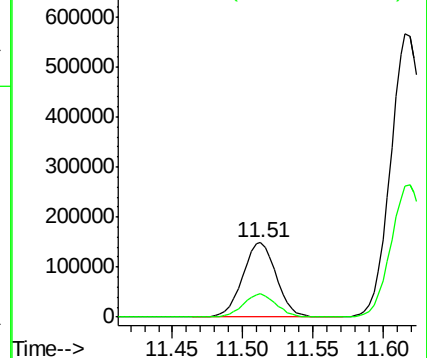
91 100

106 30.7 24.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 62.721 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN058384.D

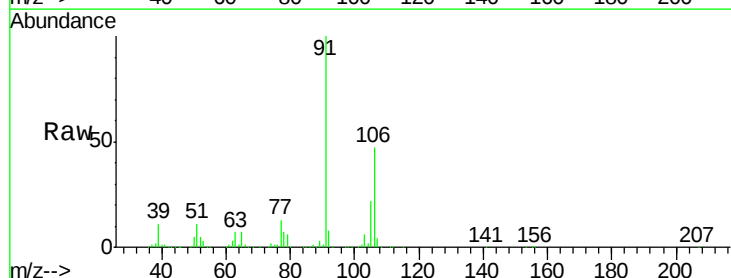
Acq: 26 Sep 2019 14:36

Tgt Ion: 106 Resp: 476489

Ion Ratio Lower Upper

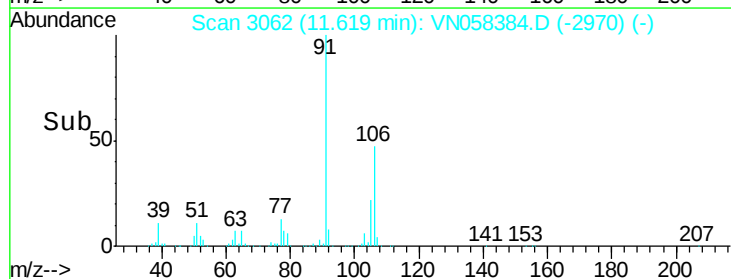
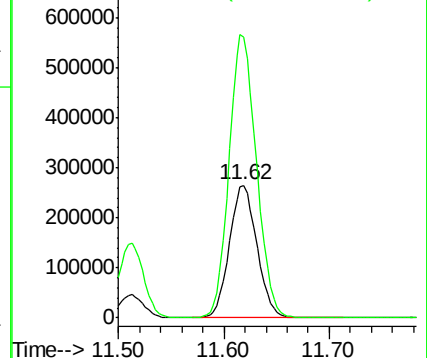
106 100

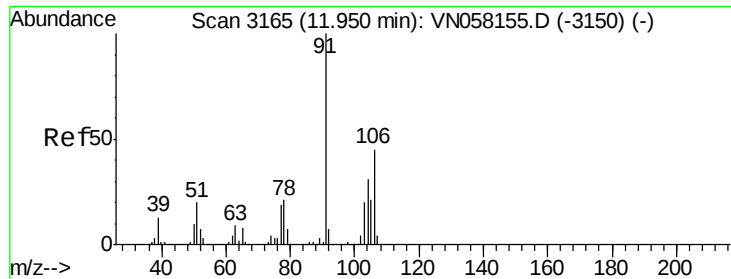
91 212.3 163.6 245.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

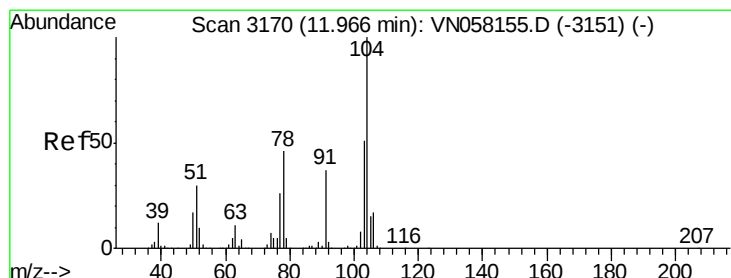
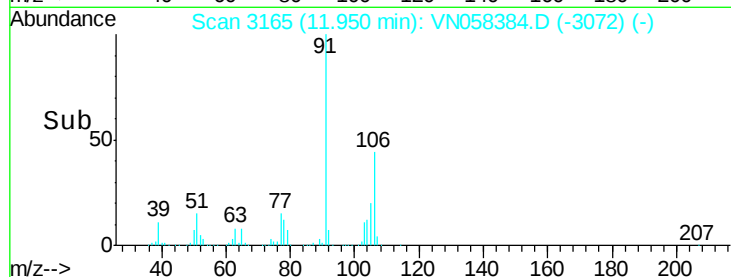
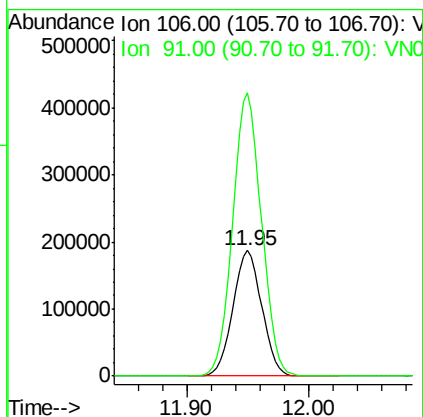
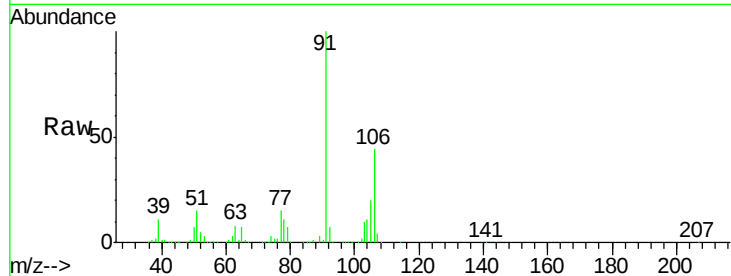




#69
o-Xylene
Concen: 41.185 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058384.D
Acq: 26 Sep 2019 14:36

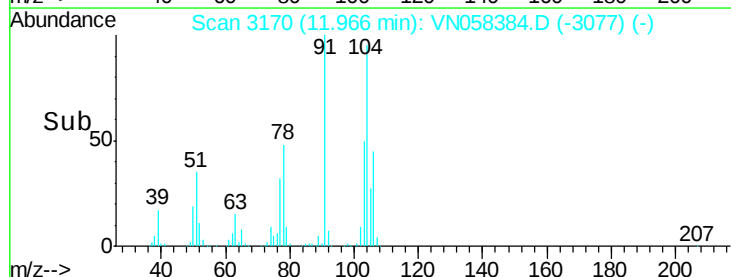
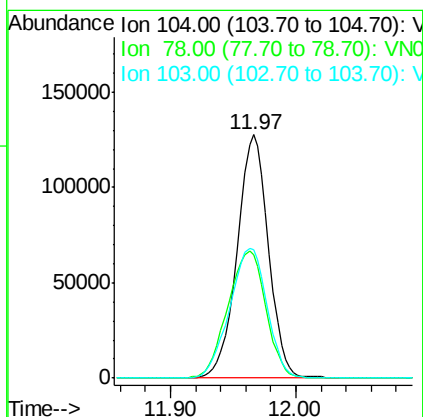
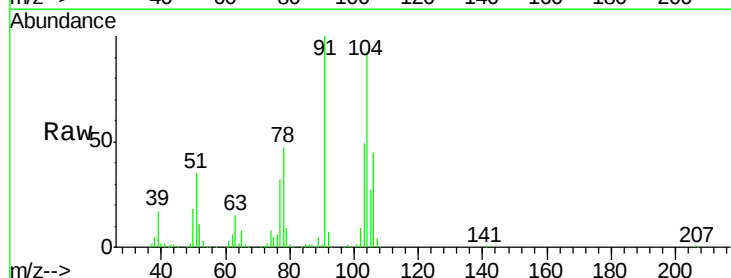
Instrument :
MSVOA_N
ClientSampled :
30476-80

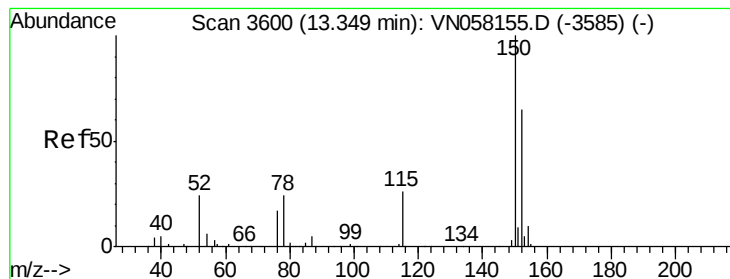
Tot Ion:106 Resp: 307652
Ion Ratio Lower Upper
106 100
91 224.6 111.8 335.3



#70
Styrene
Concen: 17.172 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058384.D
Acq: 26 Sep 2019 14:36

Tgt Ion:104 Resp: 221015
Ion Ratio Lower Upper
104 100
78 63.7 41.8 62.8#
103 63.9 44.2 66.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058384.D

Acq: 26 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampleId :

30476-80

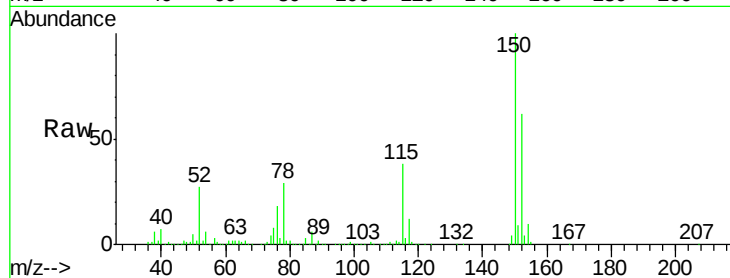
Tot Ion:152 Resp: 310637

Ion Ratio Lower Upper

152 100

115 64.2 30.1 90.3

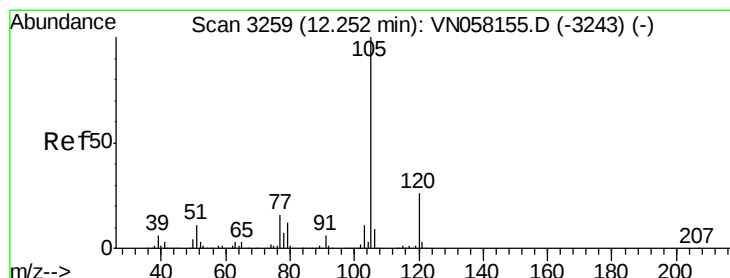
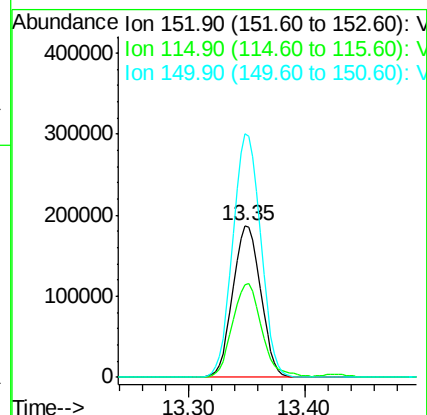
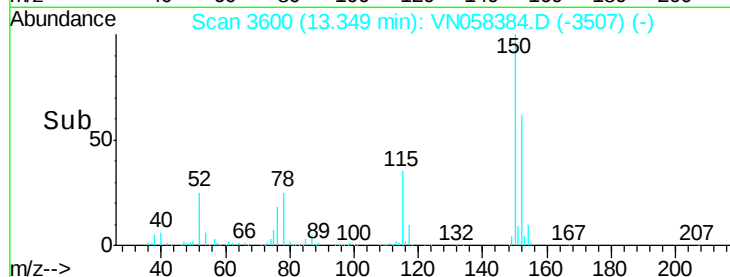
150 160.8 0.0 346.4



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: 1.009 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058384.D

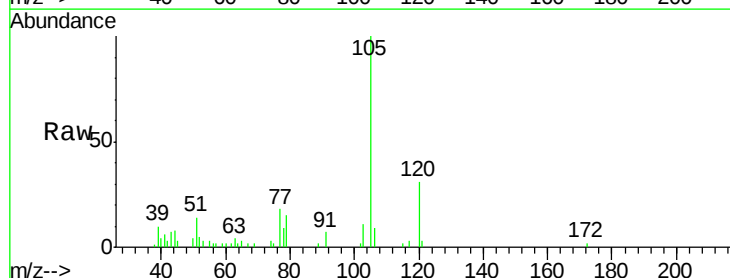
Acq: 26 Sep 2019 14:36

Tgt Ion:105 Resp: 19617

Ion Ratio Lower Upper

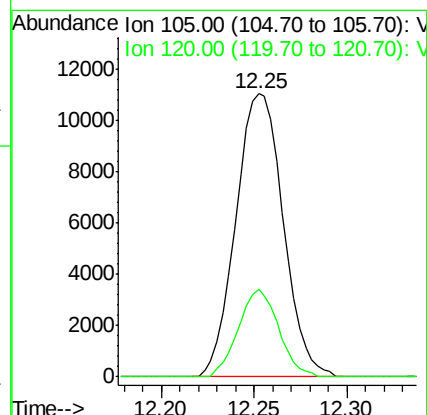
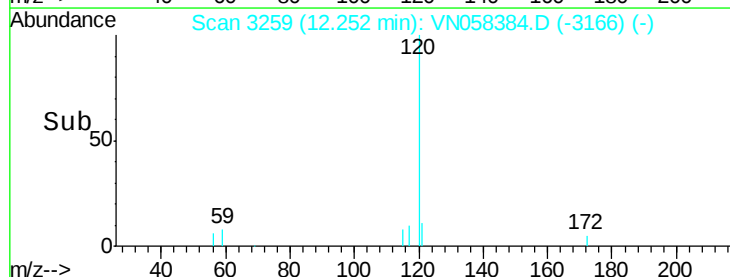
105 100

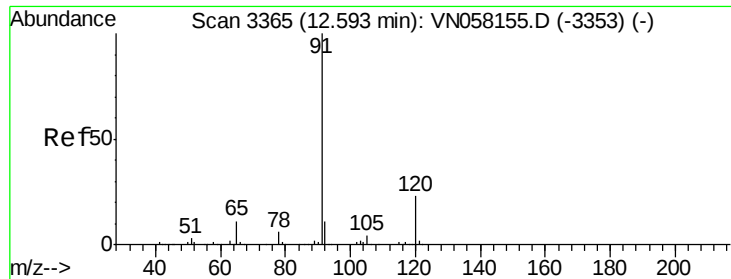
120 26.2 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 1.300 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058384.D

Acq: 26 Sep 2019 14:36

Instrument :

MSVOA_N

ClientSampled :

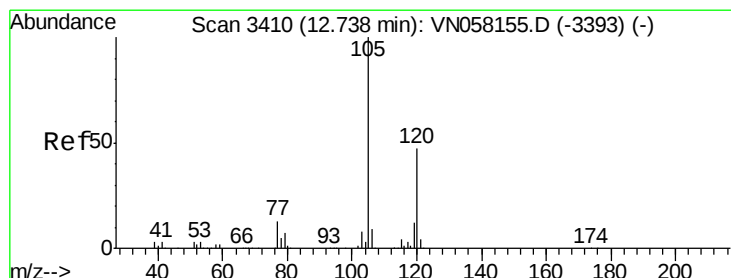
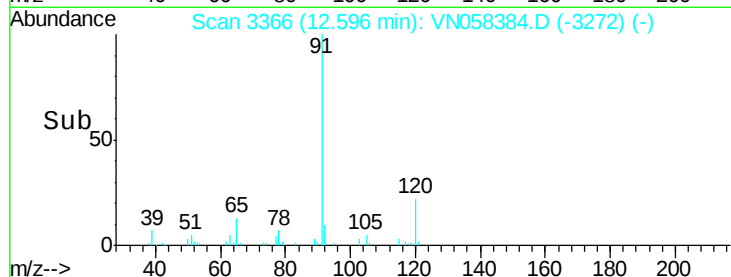
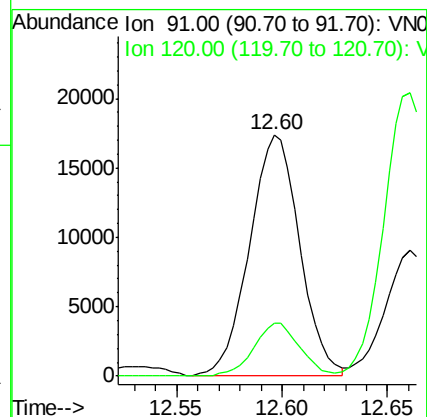
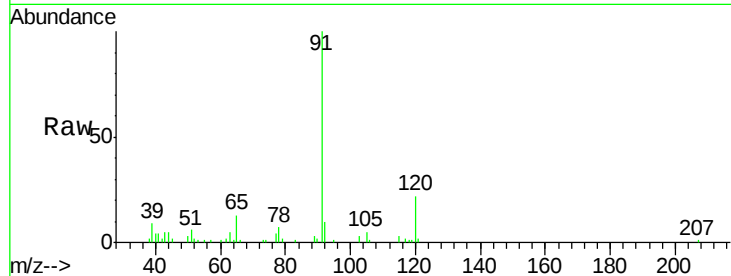
30476-80

Tot Ion: 91 Resp: 28714

Ion Ratio Lower Upper

91 100

120 20.3 11.1 33.3



#80

1,3,5-Trimethylbenzene

Concen: 9.202 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058384.D

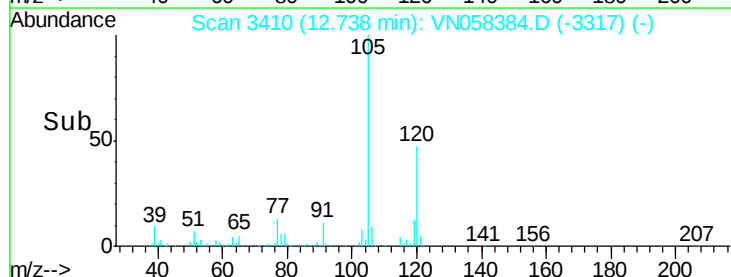
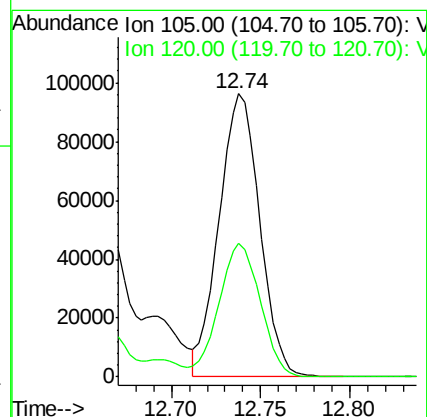
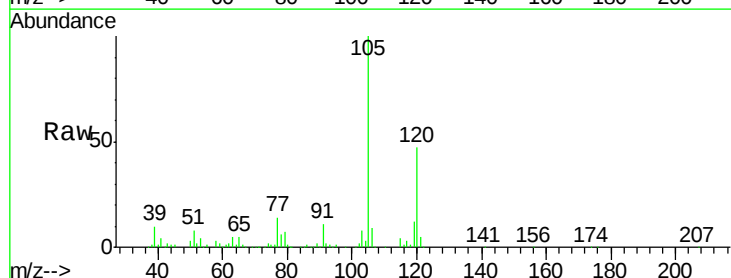
Acq: 26 Sep 2019 14:36

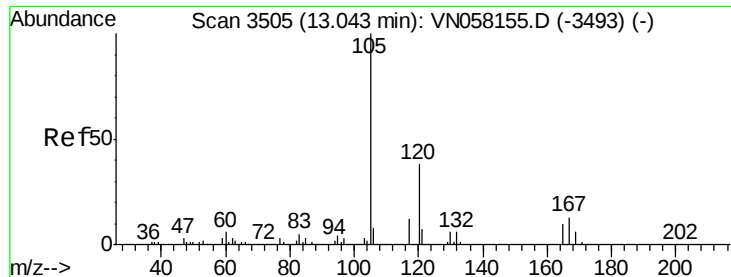
Tgt Ion: 105 Resp: 151298

Ion Ratio Lower Upper

105 100

120 48.3 23.4 70.0

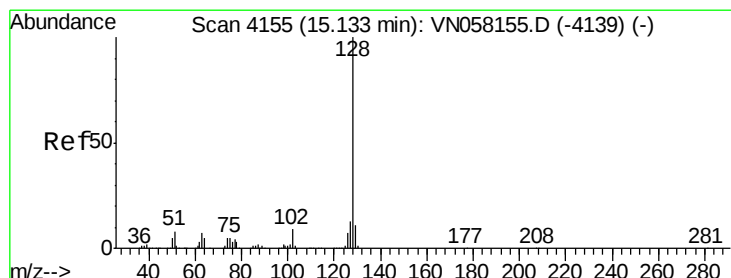
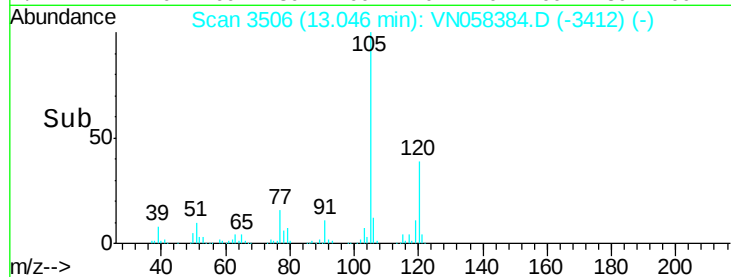
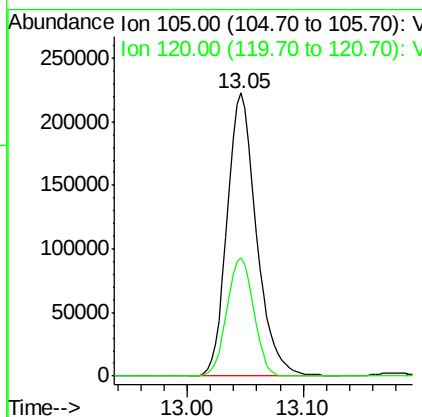
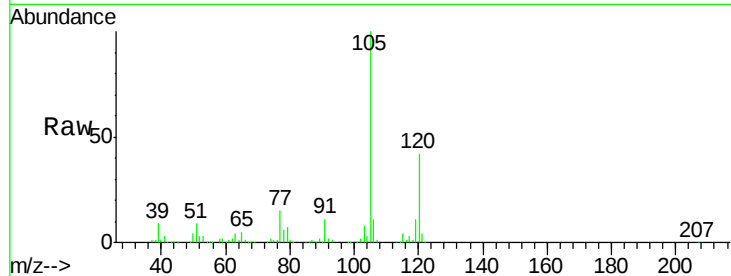




#84
 1,2,4-Trimethylbenzene
 Concen: 23.720 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058384.D
 Acq: 26 Sep 2019 14:36

Instrument :
 MSVOA_N
 ClientSampleId :
 30476-80

Tot Ion:105 Resp: 388116
 Ion Ratio Lower Upper
 105 100
 120 37.9 22.1 66.5



#95
 Naphthalene
 Concen: 529.176 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.00 min
 Lab File: VN058384.D
 Acq: 26 Sep 2019 14:36

Tgt Ion:128 Resp: 7851863
 Ion Ratio Lower Upper
 128 100
 127 44.8 10.2 15.2#
 129 43.5 8.6 12.8#

