

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092619\
 Data File : VN058395.D
 Acq On : 26 Sep 2019 19:02
 Operator : JC/SP
 Sample : K5037-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30334

Quant Time: Sep 27 05:53:26 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	544079	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	914385	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	635958	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	186791	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	340860	44.98	ug/l	0.00
Spiked Amount						
			Recovery	=	89.96%	
35) Dibromofluoromethane	7.57	113	245770	44.21	ug/l	0.00
Spiked Amount						
			Recovery	=	88.42%	
50) Toluene-d8	10.08	98	1089779	50.32	ug/l	0.00
Spiked Amount						
			Recovery	=	100.64%	
62) 4-Bromofluorobenzene	12.41	95	251229	31.23	ug/l	0.00
Spiked Amount						
			Recovery	=	62.46%	

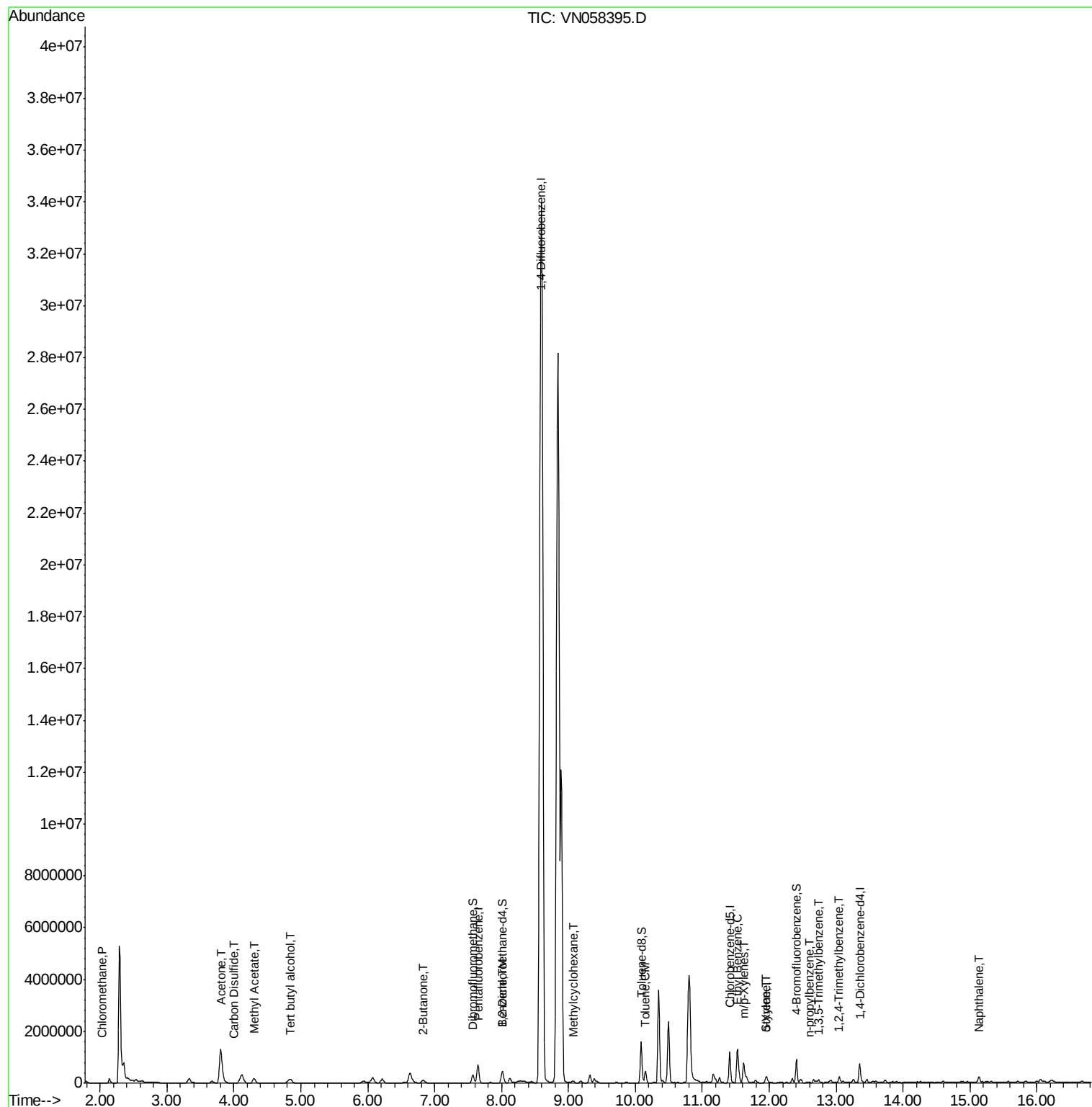
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	8934	1.592	ug/l	97
11) Tert butyl alcohol	4.84	59	323840	359.257	ug/l	100
16) Acetone	3.80	43	2552755	992.416	ug/l	98
17) Carbon Disulfide	4.00	76	5017	1.333	ug/l #	94
18) Methyl Acetate	4.30	43	353587	52.240	ug/l	99
25) 2-Butanone	6.82	43	259725	74.114	ug/l	97
39) Methylcyclohexane	9.07	83	24313	3.879	ug/l	97
40) Benzene	8.02	78	91262	4.531	ug/l	95
52) Toluene	10.15	92	197445	15.643	ug/l	99
67) Ethyl Benzene	11.51	91	95889	5.003	ug/l	97
68) m/p-Xylenes	11.62	106	135621	18.787	ug/l	94
69) o-Xylene	11.95	106	50387	7.098	ug/l	96
70) Styrene	11.97	104	54736	4.475	ug/l	93
78) n-propylbenzene	12.60	91	26256	1.976	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	49476	5.004	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	134008	13.620	ug/l	96
95) Naphthalene	15.14	128	166462	18.657	ug/l	98

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092619\
Data File : VN058395.D
Acq On : 26 Sep 2019 19:02
Operator : JC/SP
Sample : K5037-06
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
30334

Quant Time: Sep 27 05:53:26 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
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: VN058395.D

Acq: 26 Sep 2019 19:02

Instrument :

MSVOA_N

ClientSampled :

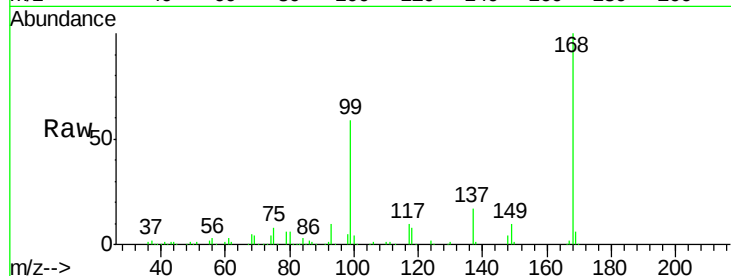
30334

Tot Ion:168 Resp: 544079

Ion Ratio Lower Upper

168 100

99 58.9 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

250000

200000

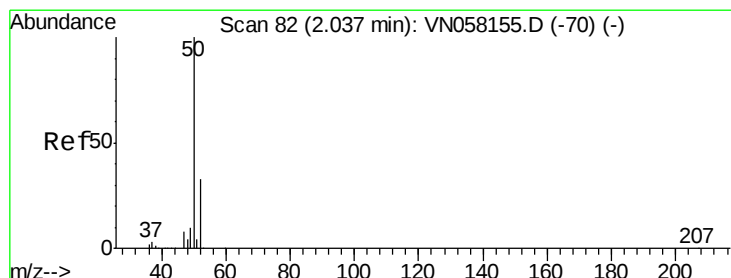
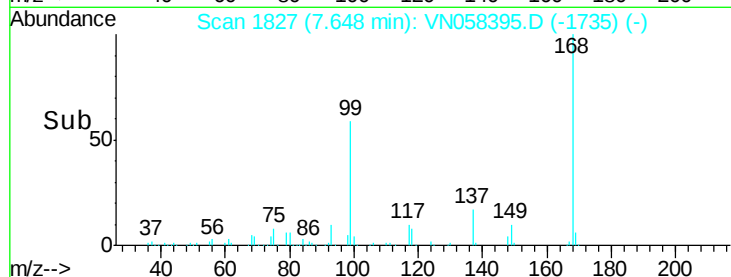
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 1.592 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058395.D

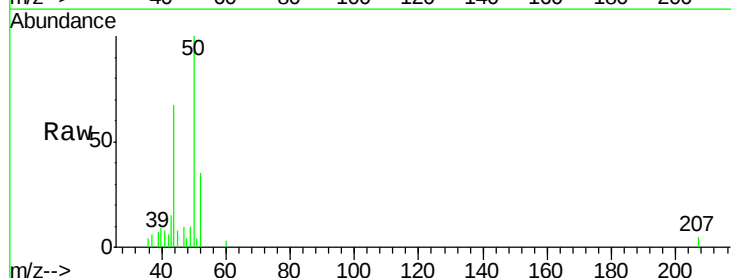
Acq: 26 Sep 2019 19:02

Tgt Ion: 50 Resp: 8934

Ion Ratio Lower Upper

50 100

52 34.5 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

6000

5000

4000

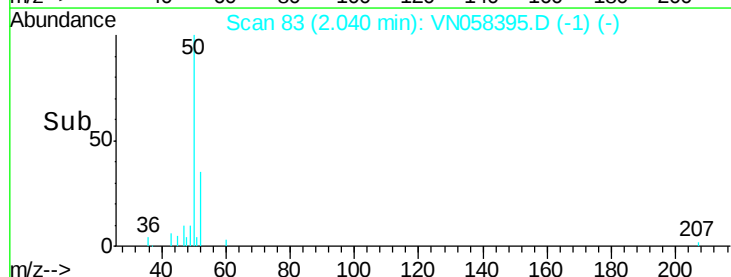
3000

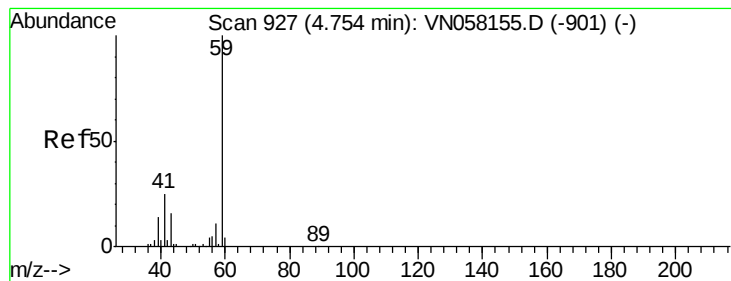
2000

1000

0

Time-->



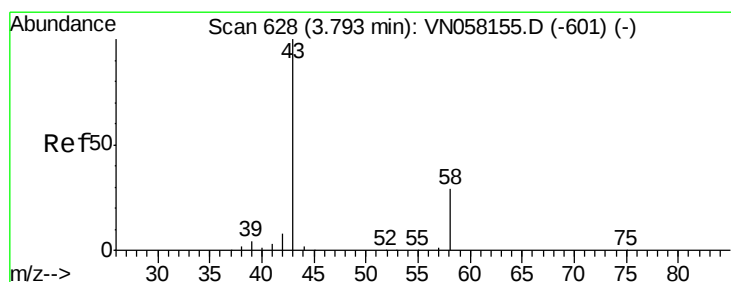
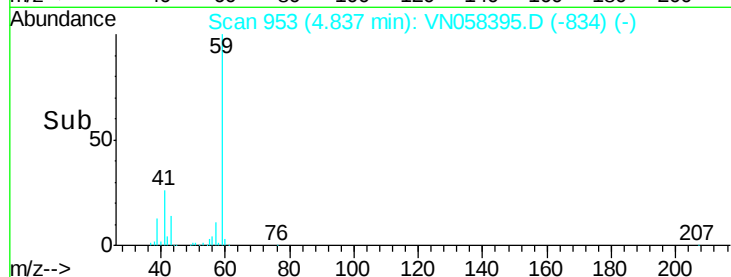
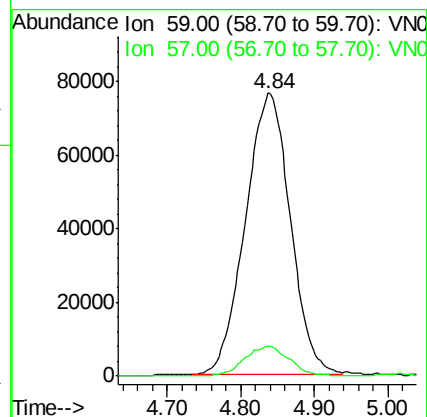
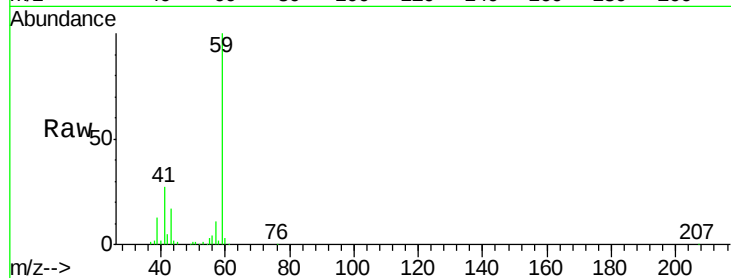


#11

Tert butyl alcohol
 Concen: 359.257 ug/l
 RT: 4.84 min Scan# 953
 Delta R.T. 0.08 min
 Lab File: VN058395.D
 Acq: 26 Sep 2019 19:02

Instrument :
 MSVOA_N
 ClientSampleId :
 30334

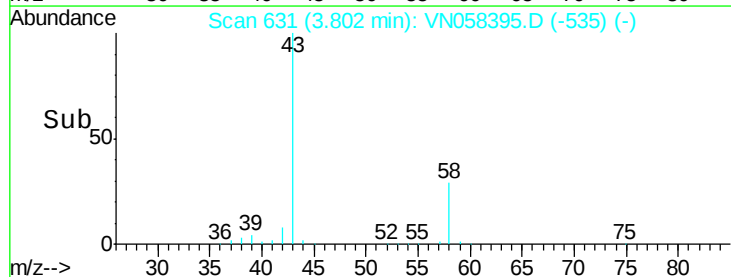
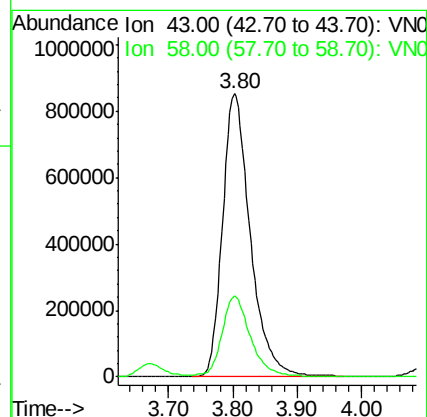
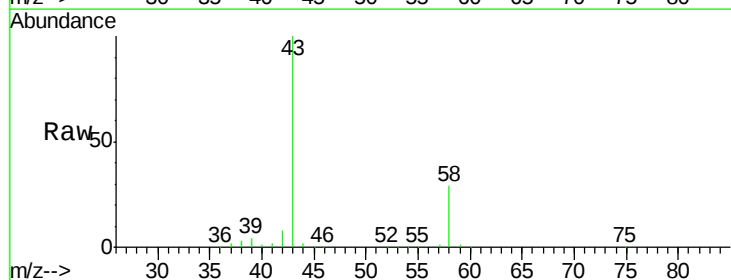
Tot Ion: 59 Resp: 323840
 Ion Ratio Lower Upper
 59 100
 57 10.7 8.6 13.0

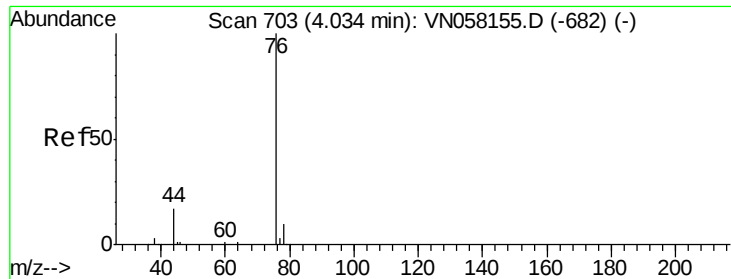


#16

Acetone
 Concen: 992.416 ug/l
 RT: 3.80 min Scan# 631
 Delta R.T. 0.01 min
 Lab File: VN058395.D
 Acq: 26 Sep 2019 19:02

Tgt Ion: 43 Resp: 2552755
 Ion Ratio Lower Upper
 43 100
 58 28.5 23.4 35.2





#17

Carbon Disulfide

Concen: 1.333 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.03 min

Lab File: VN058395.D

Acq: 26 Sep 2019 19:02

Instrument :

MSVOA_N

ClientSampled :

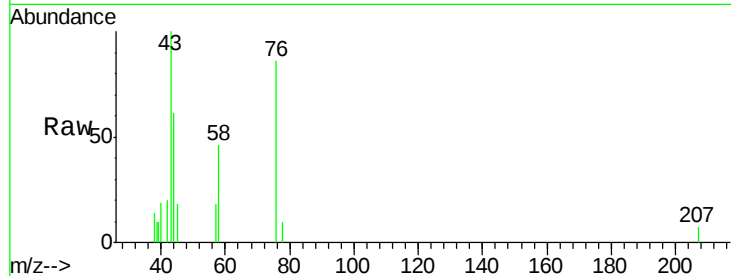
30334

Tot Ion: 76 Resp: 5017

Ion Ratio Lower Upper

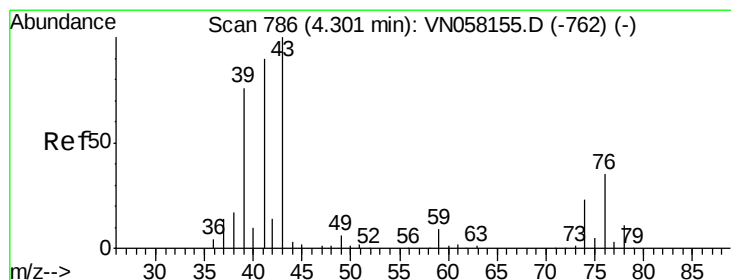
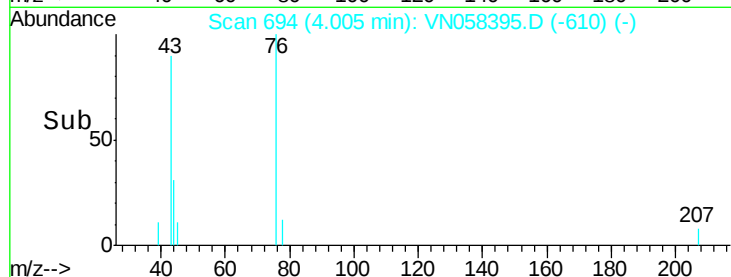
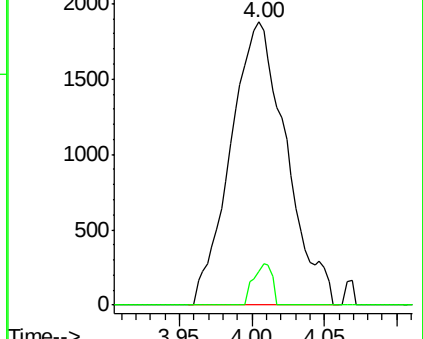
76 100

78 11.8 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 52.240 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN058395.D

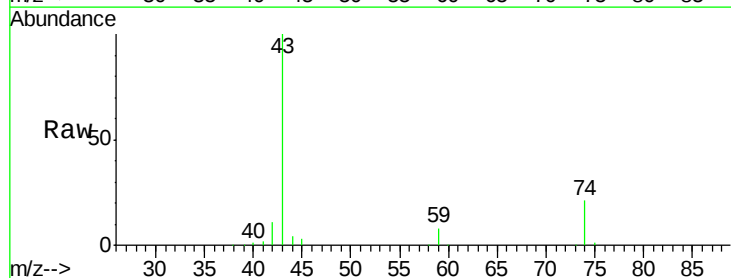
Acq: 26 Sep 2019 19:02

Tgt Ion: 43 Resp: 353587

Ion Ratio Lower Upper

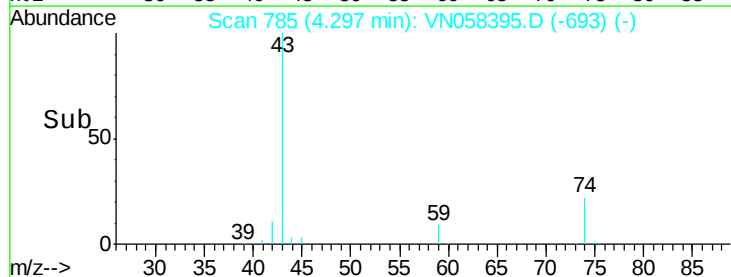
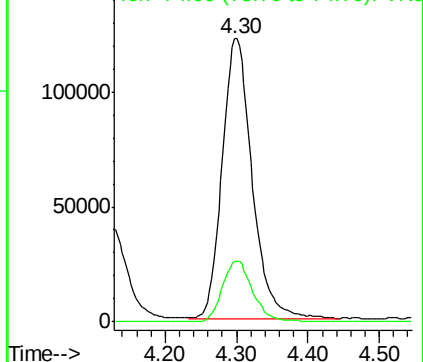
43 100

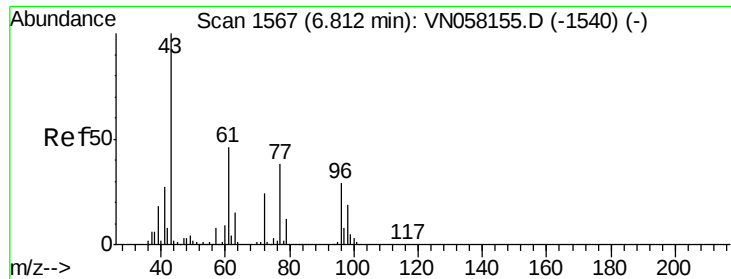
74 21.9 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC





#25

2-Butanone

Concen: 74.114 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.01 min

Lab File: VN058395.D

Acq: 26 Sep 2019 19:02

Instrument :

MSVOA_N

ClientSampled :

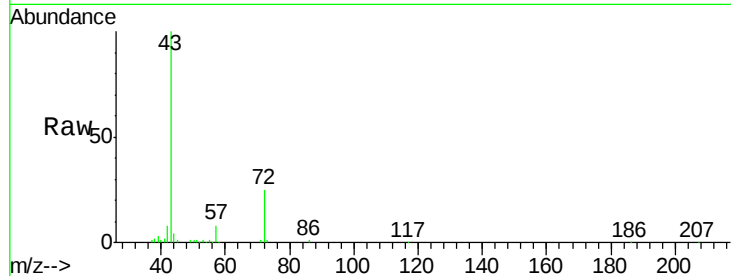
30334

Tot Ion: 43 Resp: 259725

Ion Ratio Lower Upper

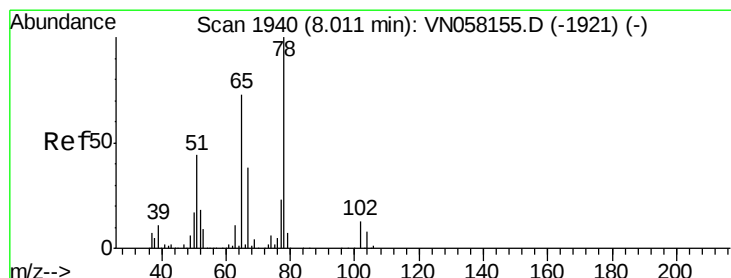
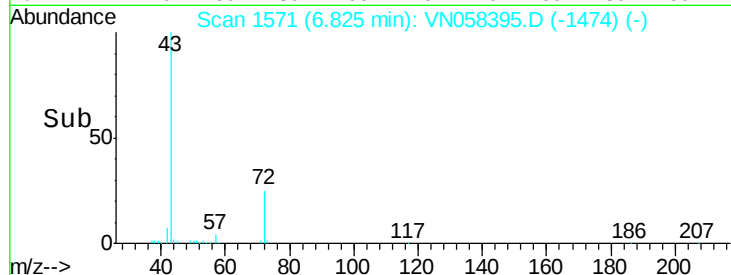
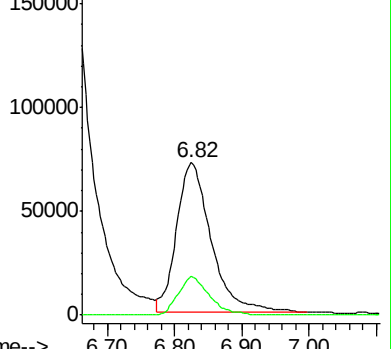
43 100

72 25.7 19.5 29.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 44.981 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. -0.00 min

Lab File: VN058395.D

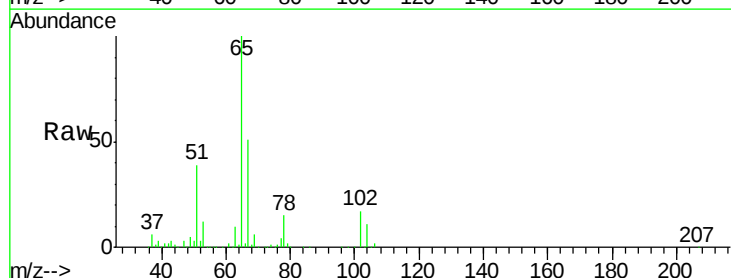
Acq: 26 Sep 2019 19:02

Tgt Ion: 65 Resp: 340860

Ion Ratio Lower Upper

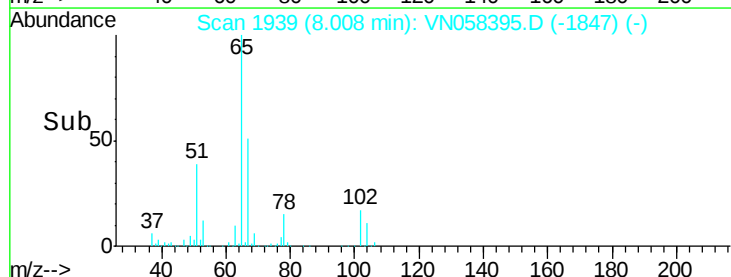
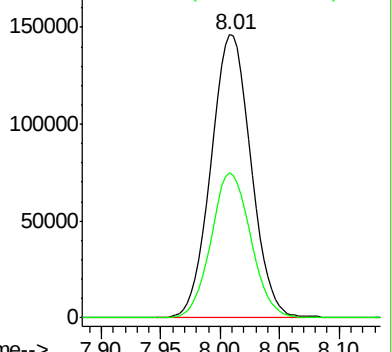
65 100

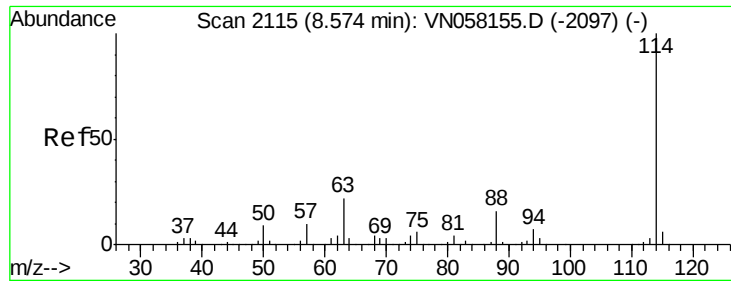
67 50.9 0.0 103.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

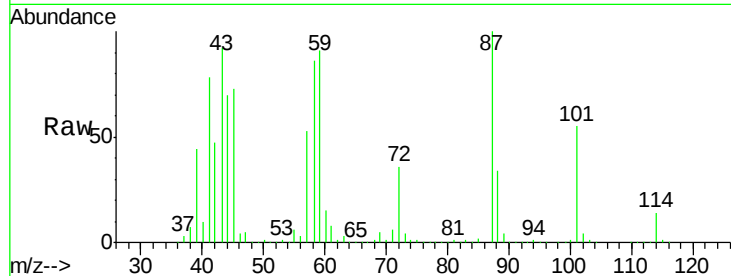




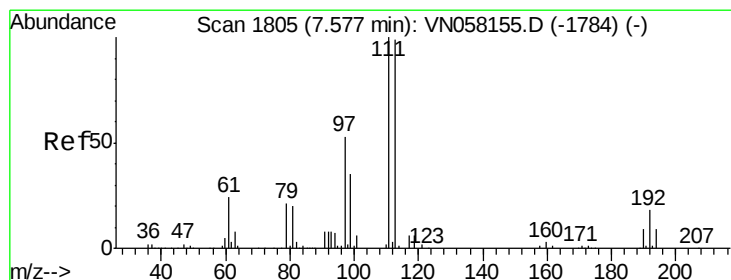
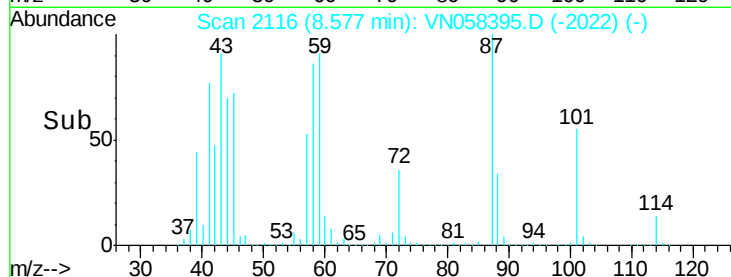
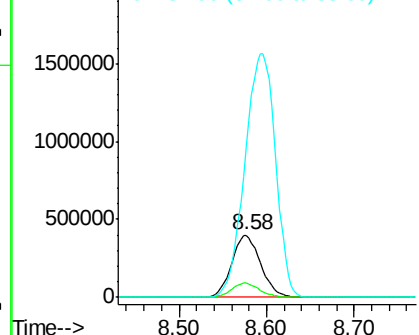
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2116
Delta R.T. 0.00 min
Lab File: VN058395.D
Acq: 26 Sep 2019 19:02

Instrument :
MSVOA_N
ClientSampleId :
30334

Tot Ion:114 Resp: 914385
Ion Ratio Lower Upper
114 100
63 22.7 0.0 44.2
88 240.6 0.0 31.6#

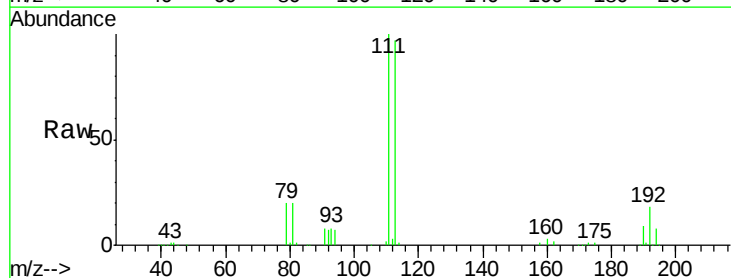


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

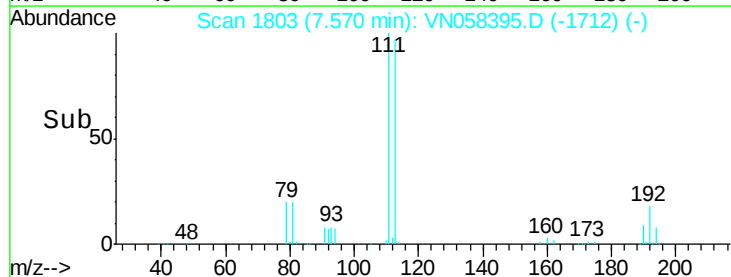
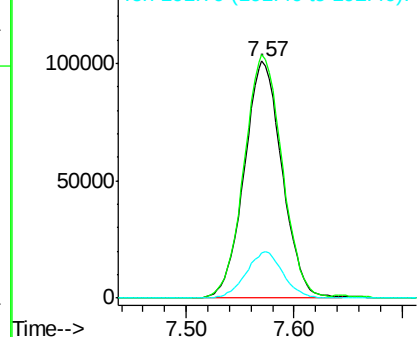


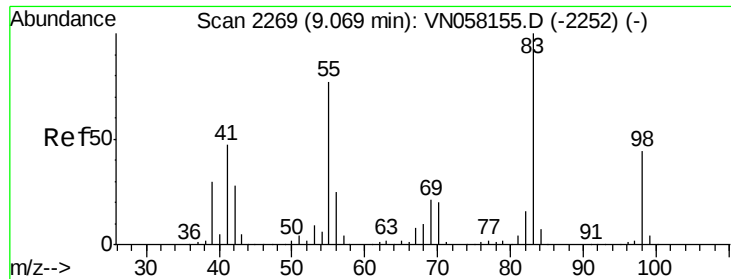
#35
Dibromofluoromethane
Concen: 44.214 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VN058395.D
Acq: 26 Sep 2019 19:02

Tgt Ion:113 Resp: 245770
Ion Ratio Lower Upper
113 100
111 103.4 81.8 122.6
192 19.0 14.5 21.7



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

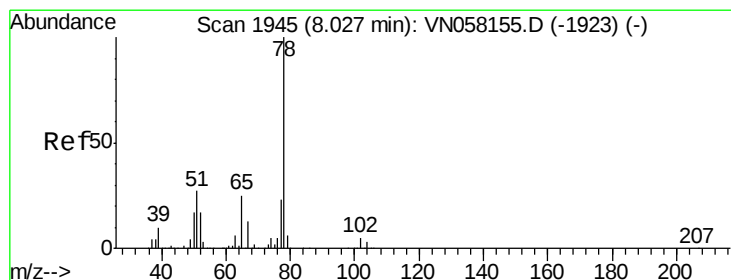
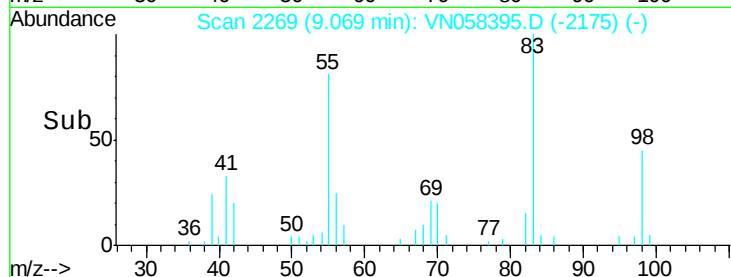
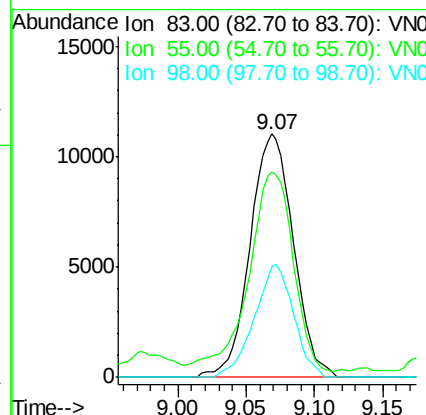
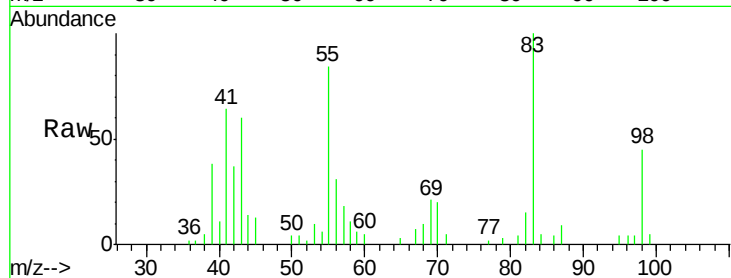




#39
Methvlcvclohexane
Concen: 3.879 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058395.D
Acq: 26 Sep 2019 19:02

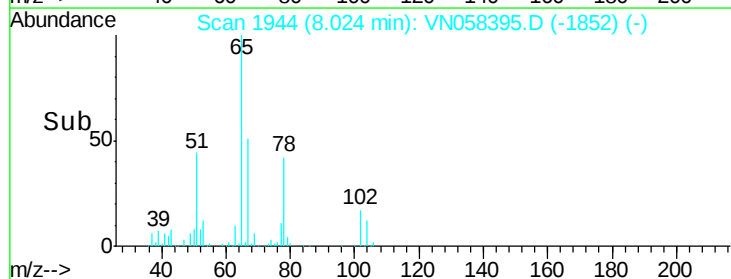
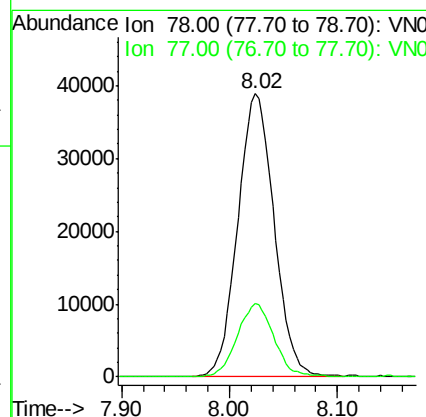
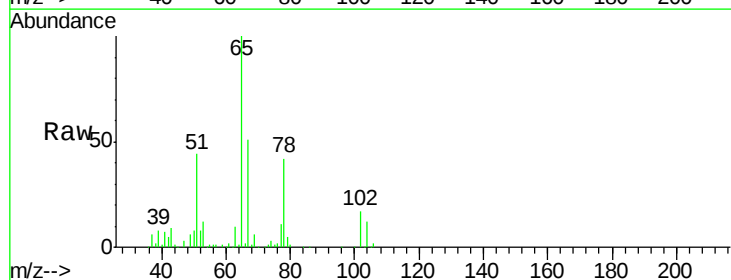
Instrument :
MSVOA_N
ClientSampled :
30334

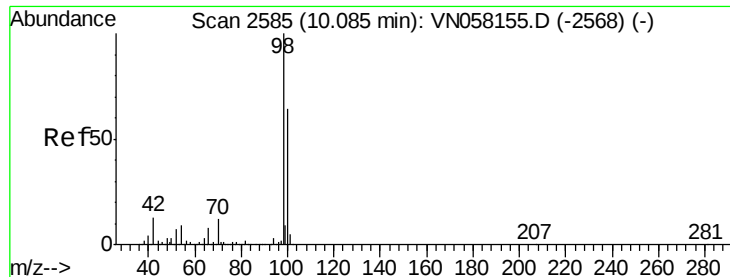
Tot Ion: 83 Resp: 24313
Ion Ratio Lower Upper
83 100
55 81.1 61.9 92.9
98 45.5 35.4 53.2



#40
Benzene
Concen: 4.531 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058395.D
Acq: 26 Sep 2019 19:02

Tgt Ion: 78 Resp: 91262
Ion Ratio Lower Upper
78 100
77 25.9 18.8 28.2





#50

Toluene-d8

Concen: 50.318 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058395.D

Acq: 26 Sep 2019 19:02

Instrument :

MSVOA_N

ClientSampled :

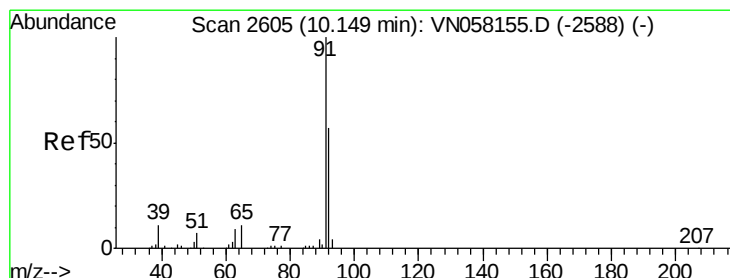
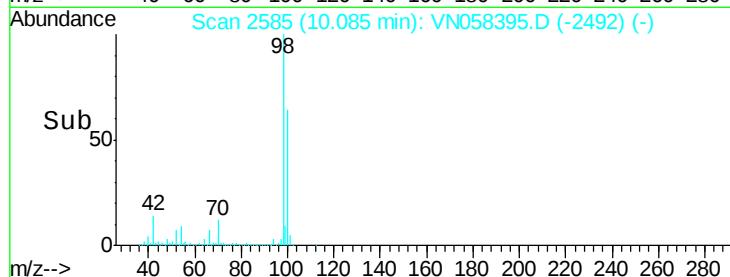
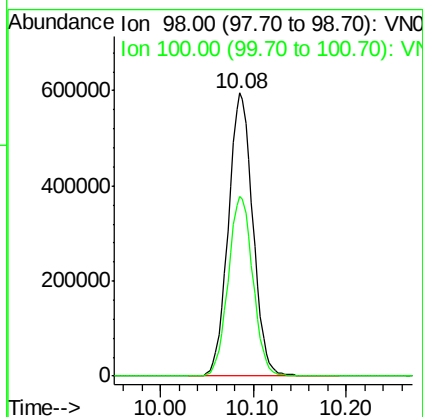
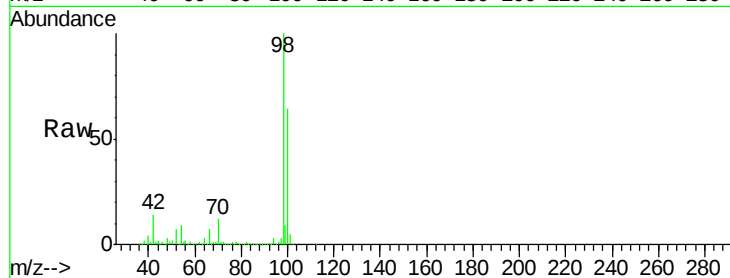
30334

Tot Ion: 98 Resp: 1089779

Ion Ratio Lower Upper

98 100

100 64.1 51.1 76.7



#52

Toluene

Concen: 15.643 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058395.D

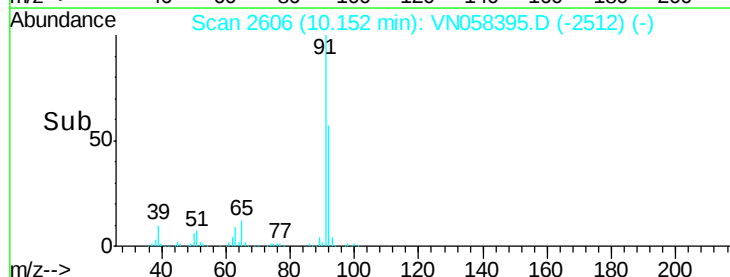
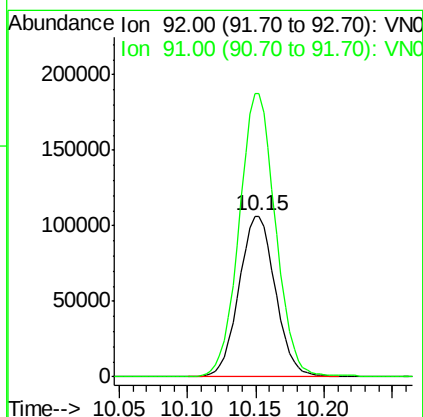
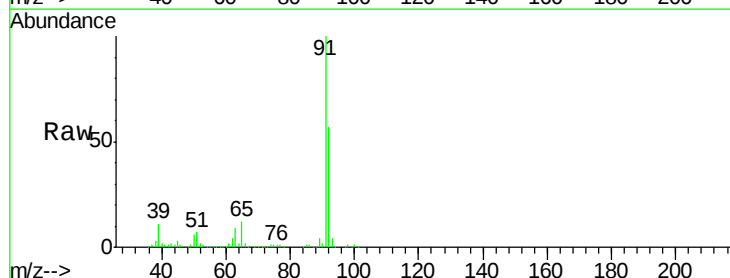
Acq: 26 Sep 2019 19:02

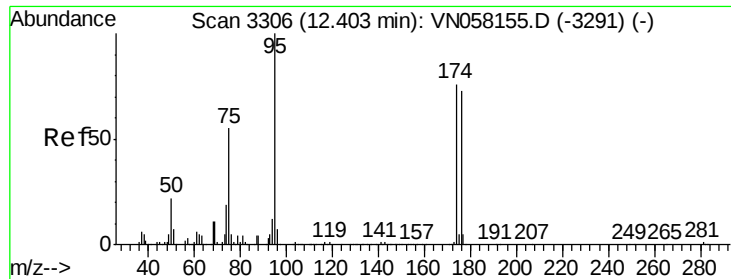
Tgt Ion: 92 Resp: 197445

Ion Ratio Lower Upper

92 100

91 176.0 140.2 210.2





#62

4-Bromofluorobenzene

Concen: 31.228 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058395.D

Acq: 26 Sep 2019 19:02

Instrument :

MSVOA_N

ClientSampled :
30334

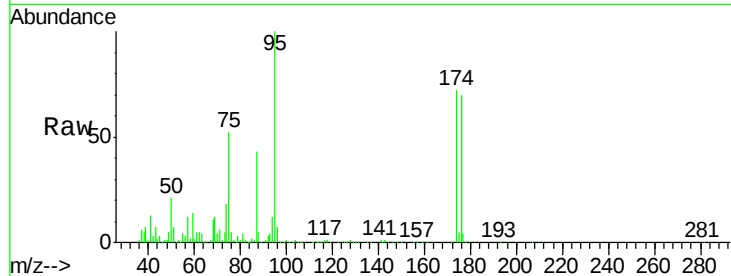
Tot Ion: 95 Resp: 251229

Ion Ratio Lower Upper

95 100

174 73.8 0.0 152.2

176 72.4 0.0 148.0

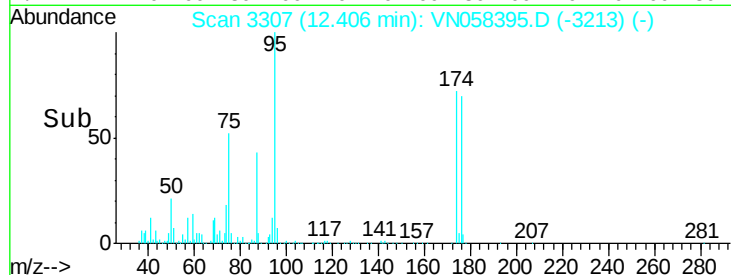


Abundance Ion 94.90 (94.60 to 95.60): VN058155.D (-3291) (-)

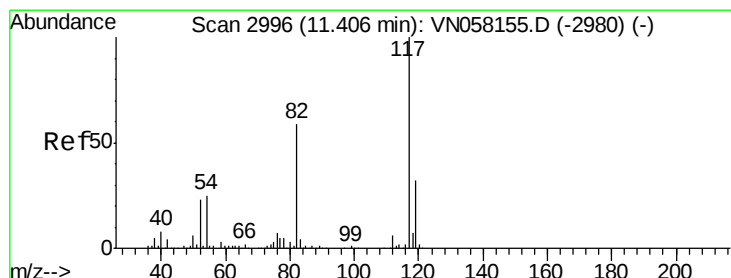
Ion 173.80 (173.50 to 174.50): VN058155.D (-3291) (-)

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

12.41



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN058395.D

Acq: 26 Sep 2019 19:02

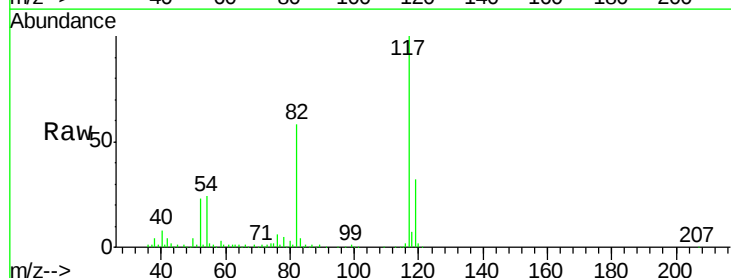
Tgt Ion: 117 Resp: 635958

Ion Ratio Lower Upper

117 100

82 58.3 46.9 70.3

119 32.4 25.3 37.9

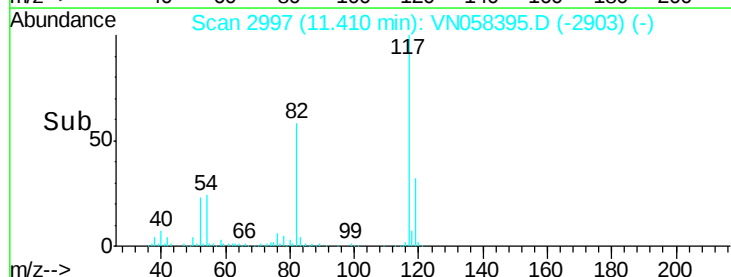


Abundance Ion 116.90 (116.60 to 117.60): VN058155.D (-2980) (-)

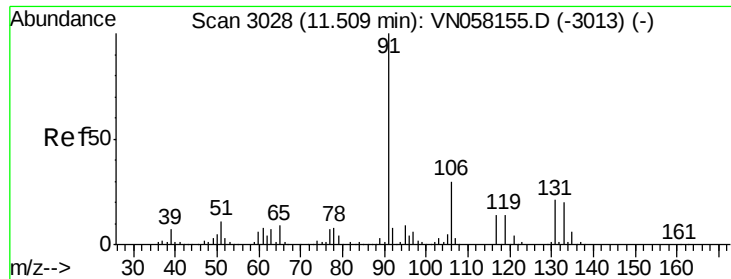
Ion 82.00 (81.70 to 82.70): VN058155.D (-2980) (-)

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

11.41



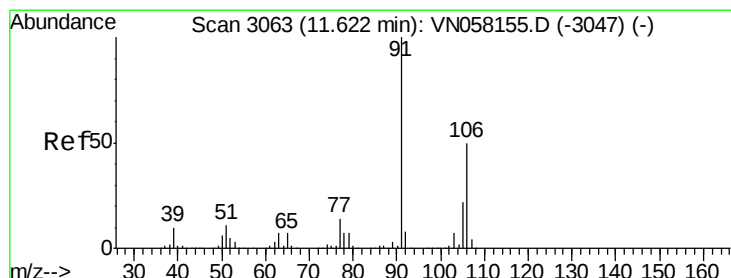
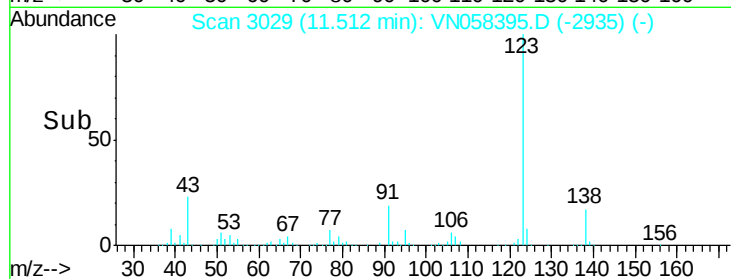
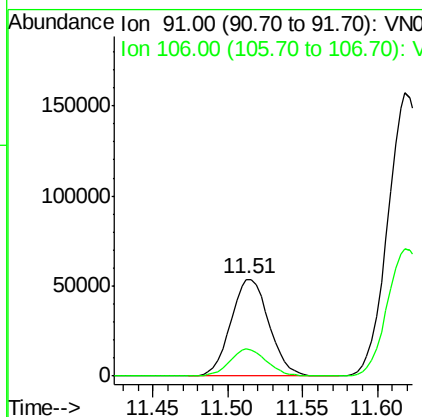
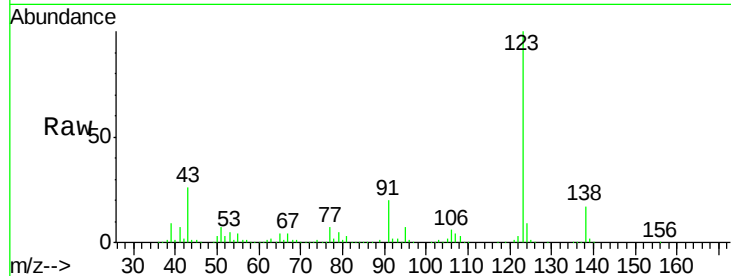
Time-->



#67
Ethyl Benzene
Concen: 5.003 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058395.D
Acq: 26 Sep 2019 19:02

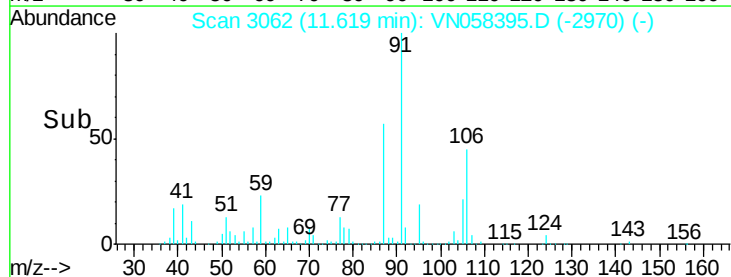
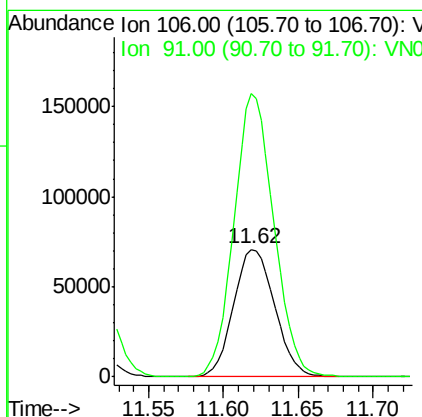
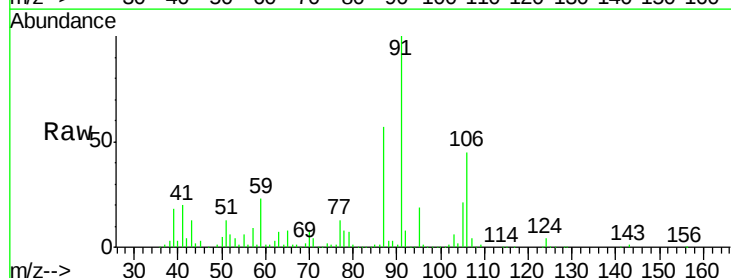
Instrument :
MSVOA_N
ClientSampled :
30334

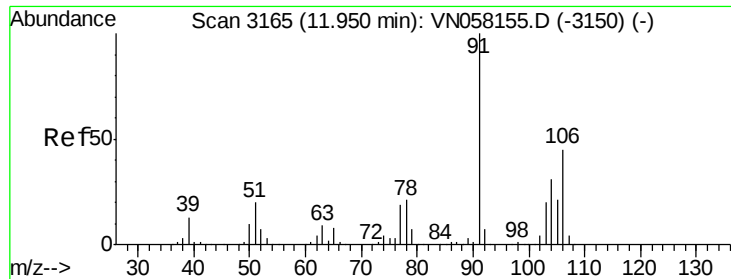
Tot Ion: 91 Resp: 95889
Ion Ratio Lower Upper
91 100
106 28.1 24.0 36.0



#68
m/p-Xylenes
Concen: 18.787 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN058395.D
Acq: 26 Sep 2019 19:02

Tgt Ion: 106 Resp: 135621
Ion Ratio Lower Upper
106 100
91 214.2 163.6 245.4

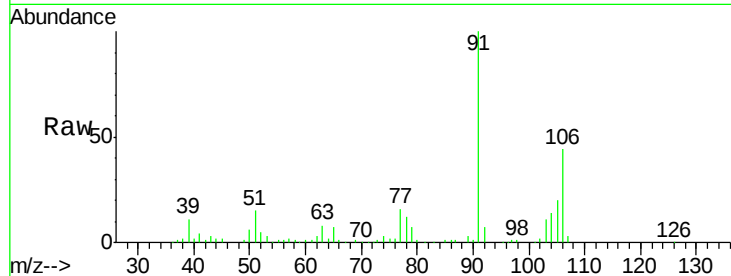




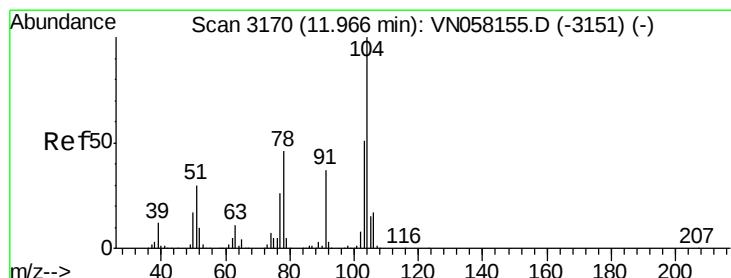
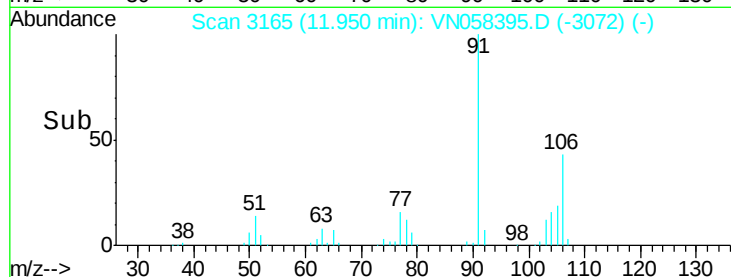
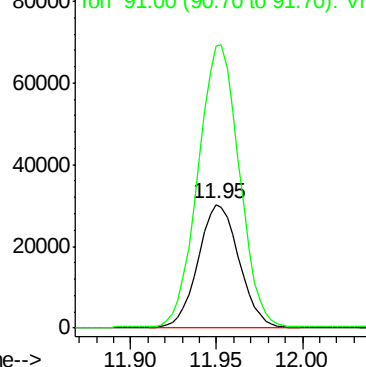
#69
o-Xylene
Concen: 7.098 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058395.D
Acq: 26 Sep 2019 19:02

Instrument :
MSVOA_N
ClientSampled :
30334

Tot Ion:106 Resp: 50387
Ion Ratio Lower Upper
106 100
91 230.7 111.8 335.3

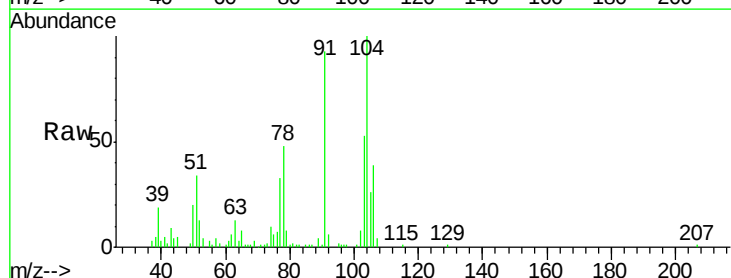


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

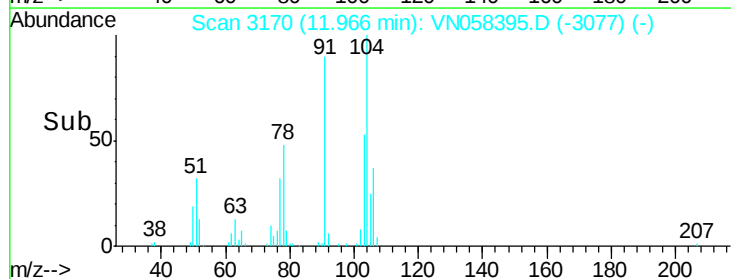
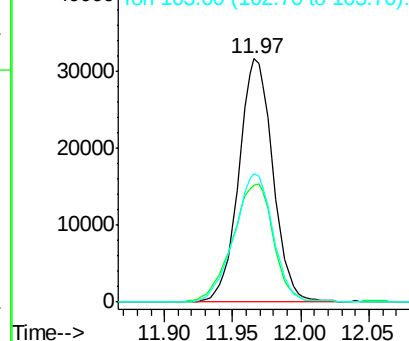


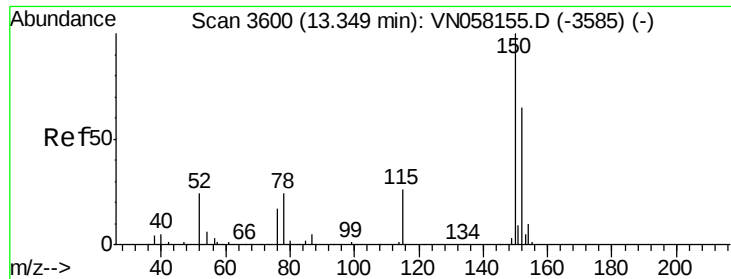
#70
Styrene
Concen: 4.475 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058395.D
Acq: 26 Sep 2019 19:02

Tgt Ion:104 Resp: 54736
Ion Ratio Lower Upper
104 100
78 58.7 41.8 62.8
103 59.5 44.2 66.2



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058395.D

Acq: 26 Sep 2019 19:02

Instrument :

MSVOA_N

ClientSampleId :

30334

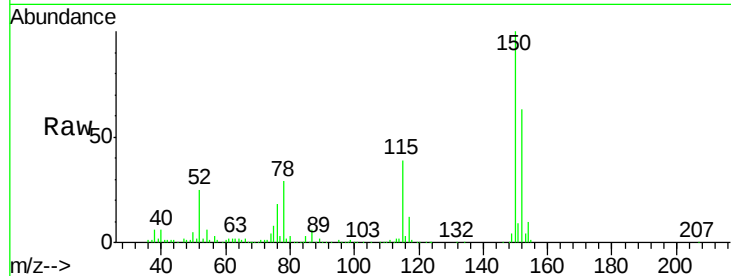
Tot Ion:152 Resp: 186791

Ion Ratio Lower Upper

152 100

115 61.5 30.1 90.3

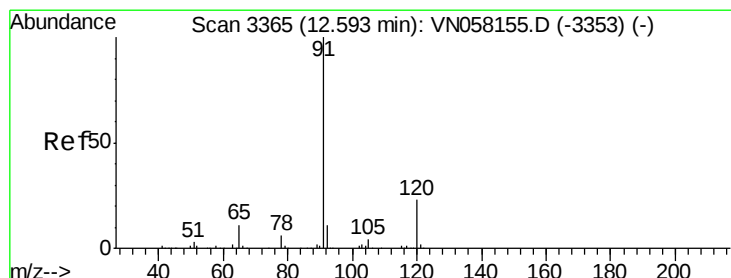
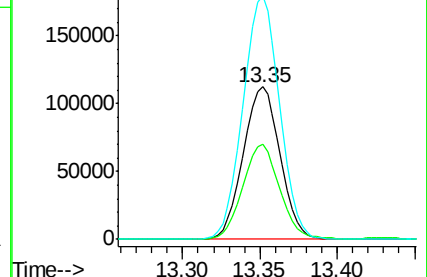
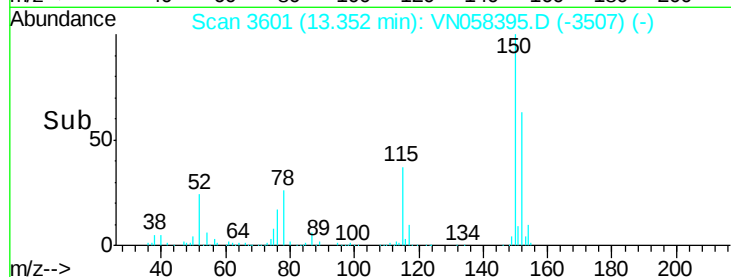
150 158.2 0.0 346.4



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



#78

n-propylbenzene

Concen: 1.976 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058395.D

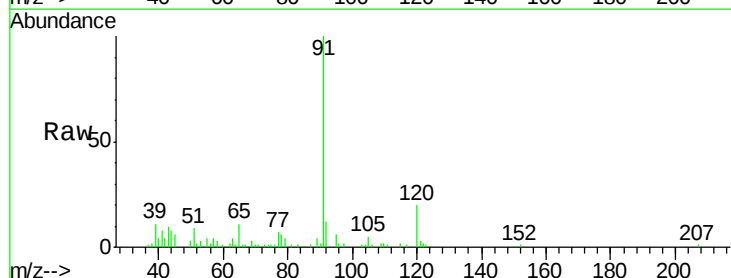
Acq: 26 Sep 2019 19:02

Tgt Ion: 91 Resp: 26256

Ion Ratio Lower Upper

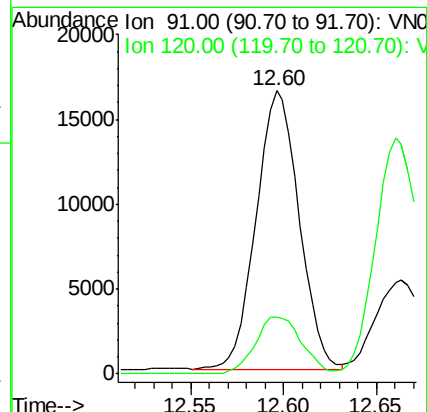
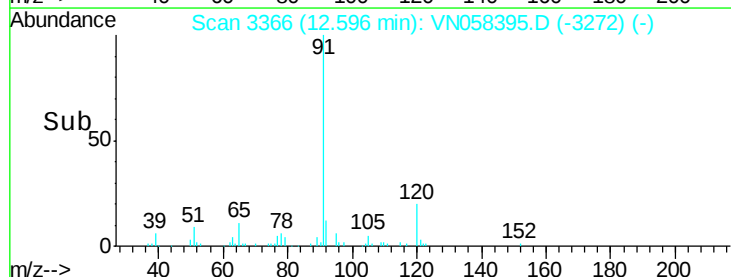
91 100

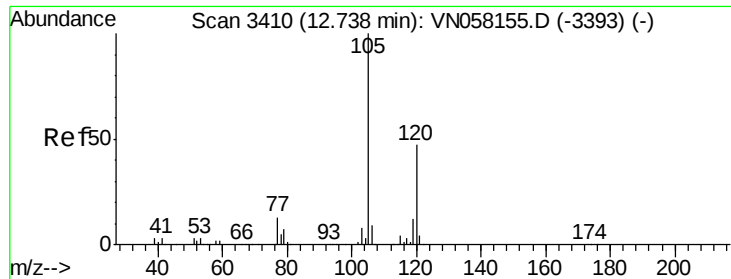
120 22.2 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V

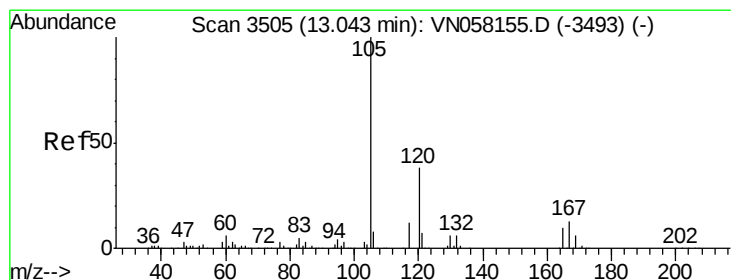
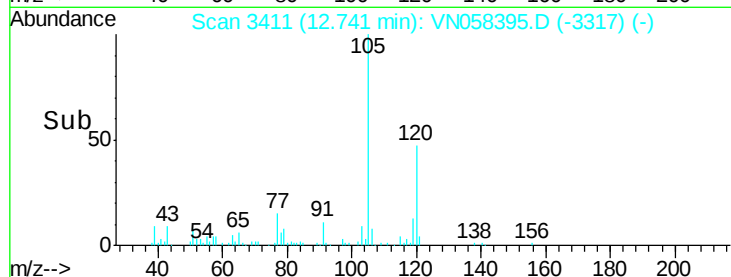
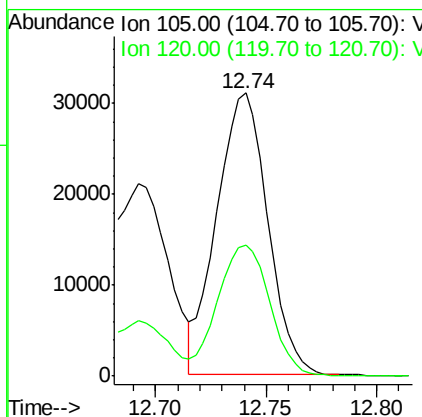
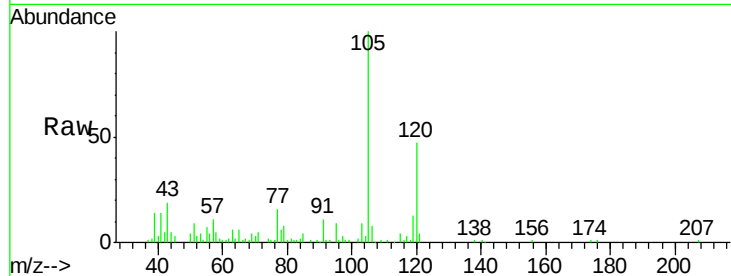




#80
 1,3,5-Trimethylbenzene
 Concen: 5.004 ug/l
 RT: 12.74 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN058395.D
 Acq: 26 Sep 2019 19:02

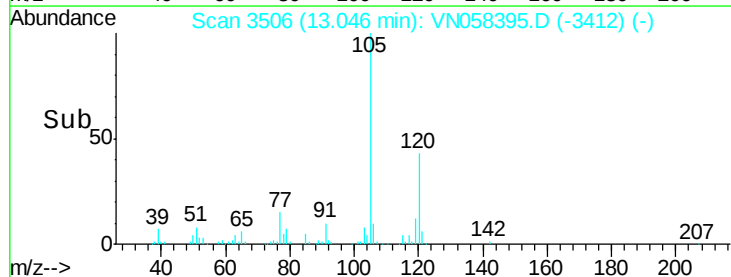
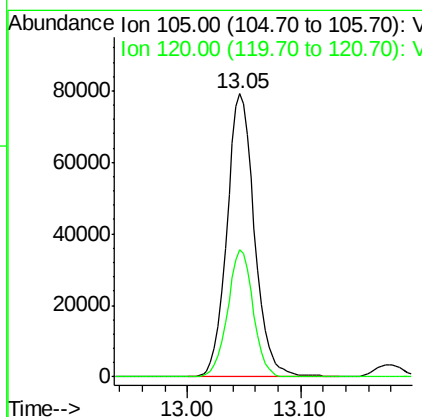
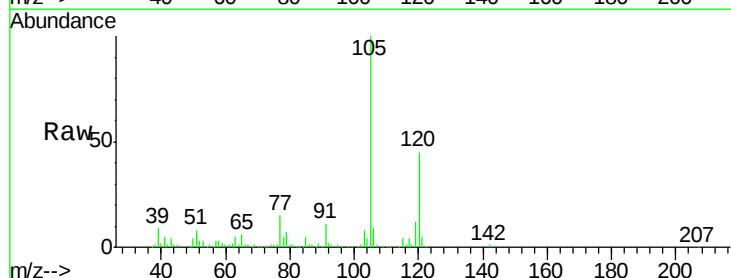
Instrument :
 MSVOA_N
 ClientSampleId :
 30334

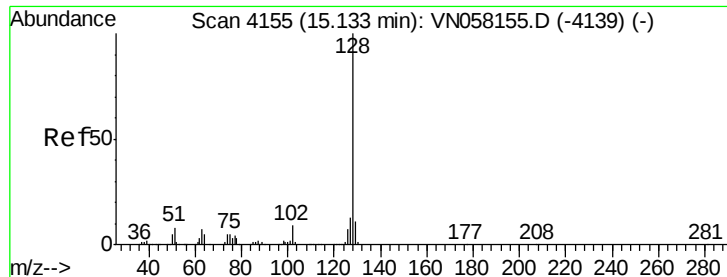
Tot Ion:105 Resp: 49476
 Ion Ratio Lower Upper
 105 100
 120 47.9 23.4 70.0



#84
 1,2,4-Trimethylbenzene
 Concen: 13.620 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058395.D
 Acq: 26 Sep 2019 19:02

Tgt Ion:105 Resp: 134008
 Ion Ratio Lower Upper
 105 100
 120 41.4 22.1 66.5





#95

Naphthalene

Concen: 18.657 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058395.D

Acq: 26 Sep 2019 19:02

Instrument :

MSVOA_N

ClientSampleId :

30334

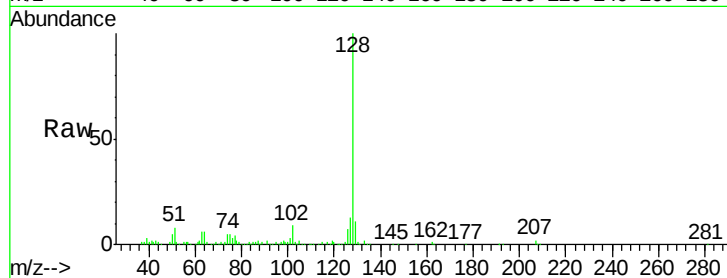
Tot Ion:128 Resp: 166462

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.2

129 11.5 8.6 12.8



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

