

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050219\
 Data File : VN055365.D
 Acq On : 2 May 2019 22:37
 Operator : JC/SP
 Sample : K2658-01 10X
 Misc : 6.10g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SB-W2(14-17)

Quant Time: May 03 05:43:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

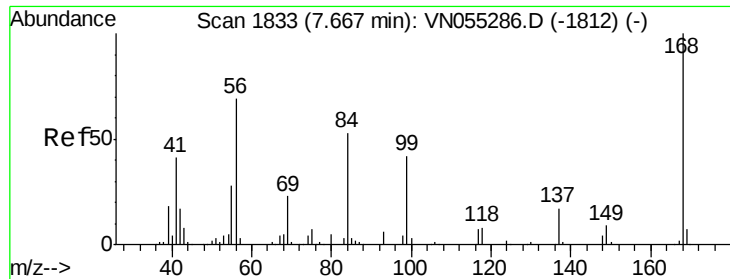
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	408412	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	700811	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	651909	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	282967	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	274445	51.37	ug/l	0.00
Spiked Amount						
			Recovery	=	102.74%	
35) Dibromofluoromethane	7.59	113	219361	47.69	ug/l	0.00
Spiked Amount						
			Recovery	=	95.38%	
50) Toluene-d8	10.09	98	887914	53.46	ug/l	0.00
Spiked Amount						
			Recovery	=	106.92%	
62) 4-Bromofluorobenzene	12.40	95	374022	72.05	ug/l	0.00
Spiked Amount						
			Recovery	=	144.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
39) Methylcyclohexane	9.09	83	12780	1.791	ug/l	92
67) Ethyl Benzene	11.51	91	30068	1.306	ug/l	93
73) Isopropylbenzene	12.25	105	361613	13.769	ug/l	100
78) n-propylbenzene	12.59	91	1727422	59.430	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	968915	43.677	ug/l	100
83) tert-Butylbenzene	12.99	119	164237	8.016	ug/l	90
84) 1,2,4-Trimethylbenzene	13.04	105	6246146	314.827	ug/l	100
85) sec-Butylbenzene	13.17	105	1211336	50.239	ug/l #	77
86) p-Isopropyltoluene	13.29	119	1149527	58.005	ug/l	99
89) n-Butylbenzene	13.61	91	1030409	73.171	ug/l #	79
95) Naphthalene	15.13	128	51833	9.480	ug/l #	96

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

```
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN050219\  
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Acq On    : 2 May 2019 22:37  
Operator  : JC/SP  
Sample    : K2658-01 10X  
Misc      : 6.10g/5mL/100uL/5.00mL/MSVOA_N/MEOH  
ALS Vial  : 34 Sample Multiplier: 1
```



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055365.D

Acq: 2 May 2019 22:37

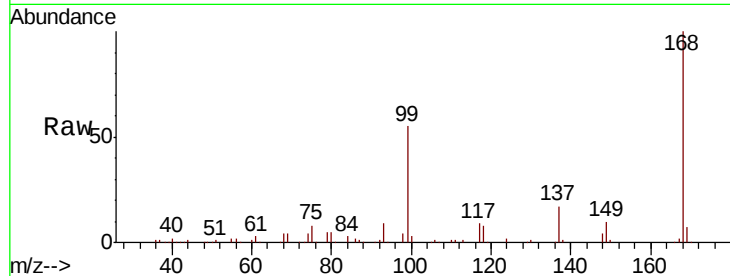
Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-W2(14-17)

Tgt Ion:168 Resp: 408412

Ion Ratio Lower Upper

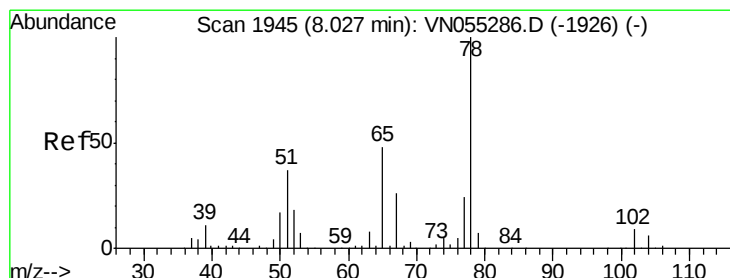
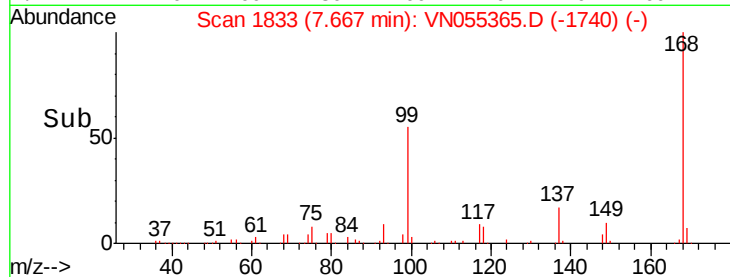
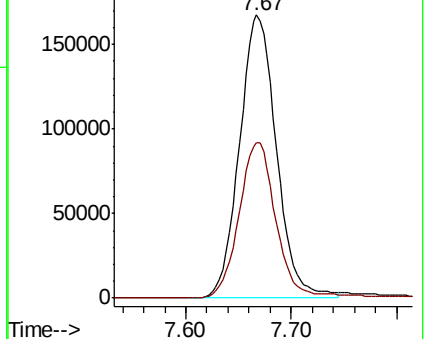
168 100

99 55.1 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#33

1,2-Dichloroethane-d4

Concen: 51.366 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN055365.D

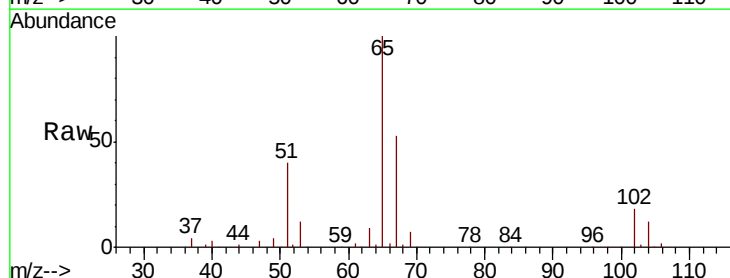
Acq: 2 May 2019 22:37

Tgt Ion: 65 Resp: 274445

Ion Ratio Lower Upper

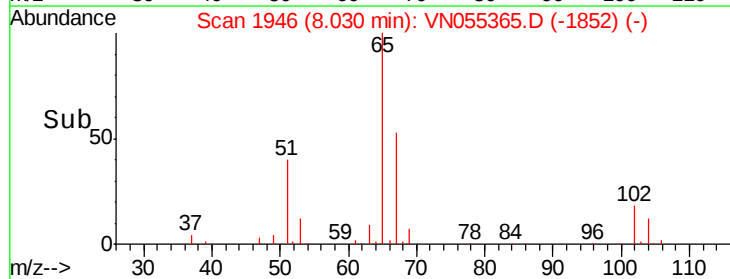
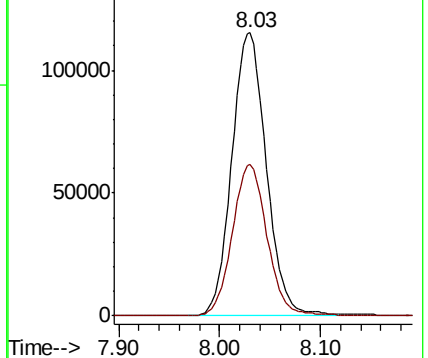
65 100

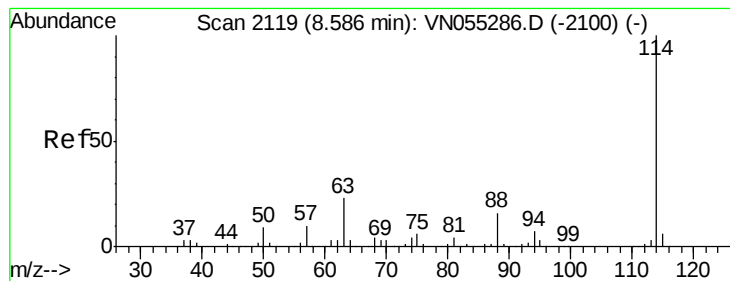
67 53.7 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VNO

Ion 66.90 (66.60 to 67.60): VNO





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055365.D

Acq: 2 May 2019 22:37

Instrument :

MSVOA_N

ClientSampleId :

EP1-SB-W2(14-17)

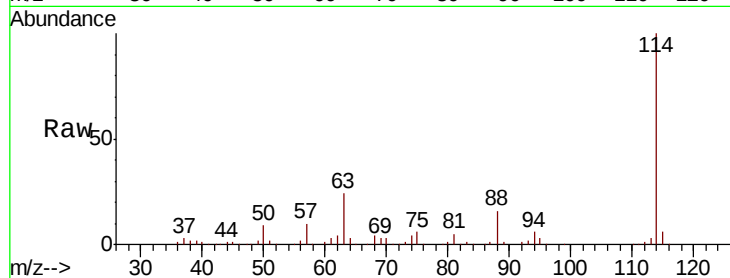
Tgt Ion:114 Resp: 700811

Ion Ratio Lower Upper

114 100

63 23.8 0.0 45.2

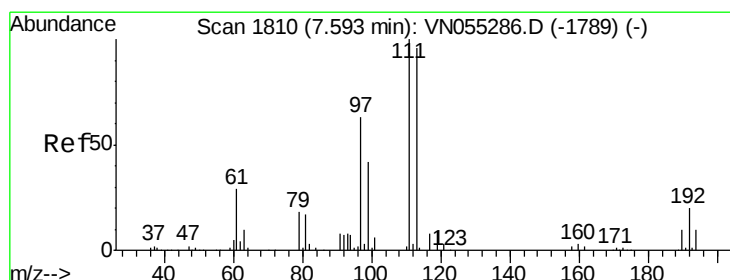
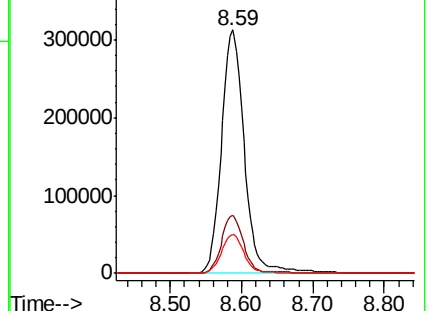
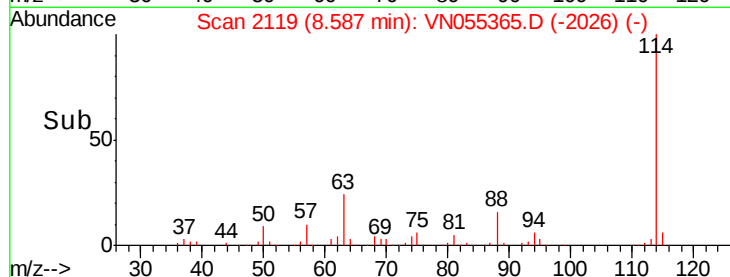
88 16.0 0.0 31.6



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: 47.688 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN055365.D

Acq: 2 May 2019 22:37

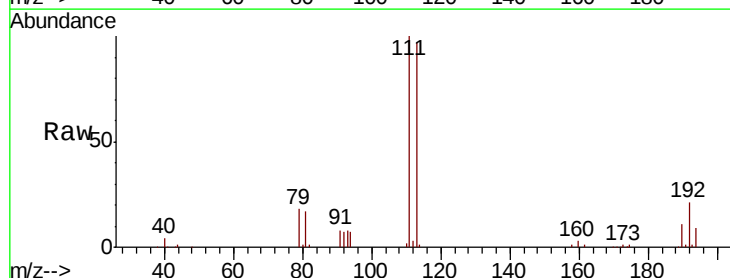
Tgt Ion:113 Resp: 219361

Ion Ratio Lower Upper

113 100

111 104.2 82.3 123.5

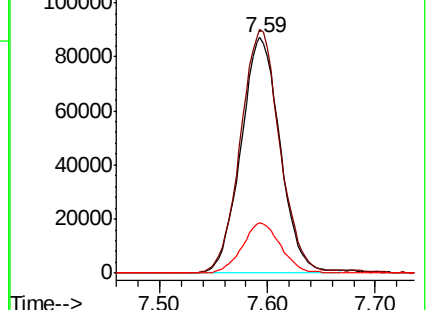
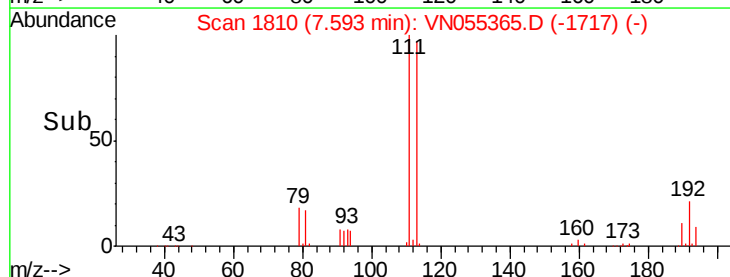
192 20.9 17.0 25.6

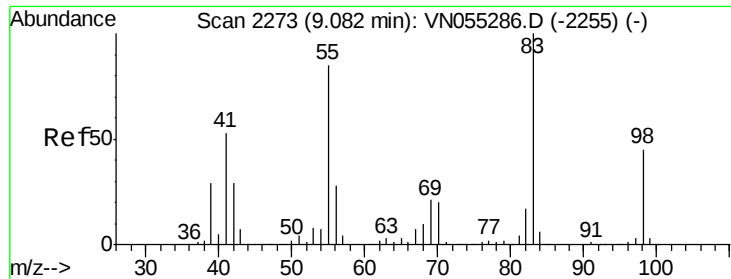


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

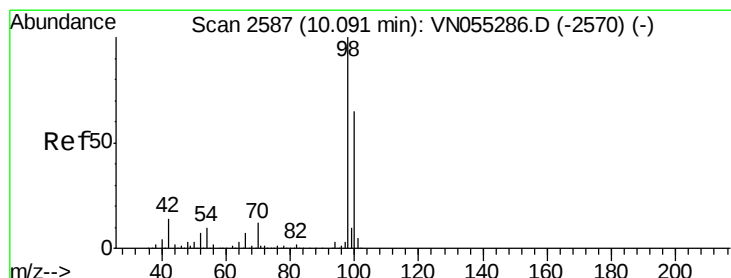
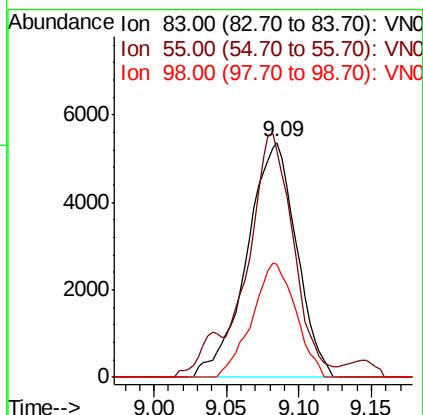
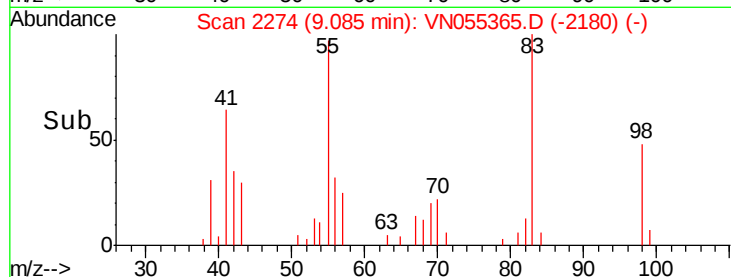
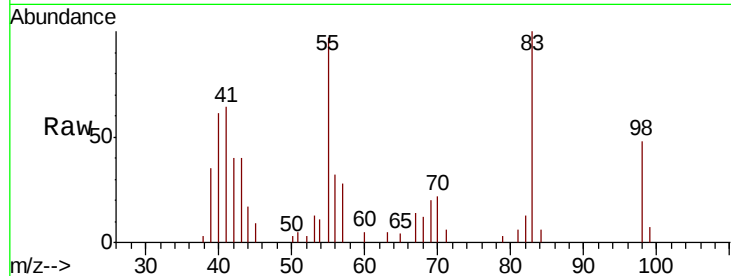




#39
Methylcyclohexane
Concen: 1.791 ug/l
RT: 9.09 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VN055365.D
Acq: 2 May 2019 22:37

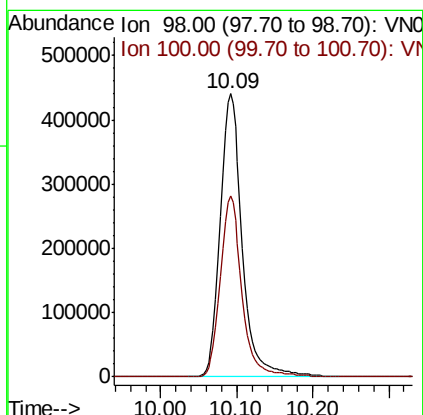
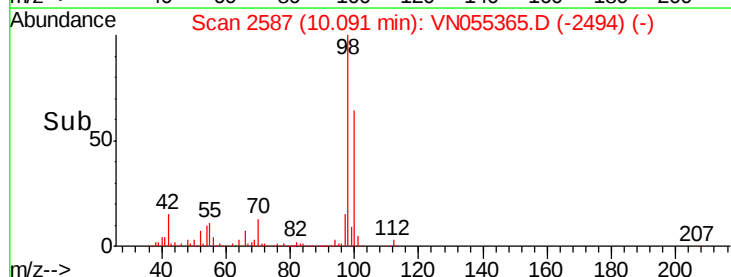
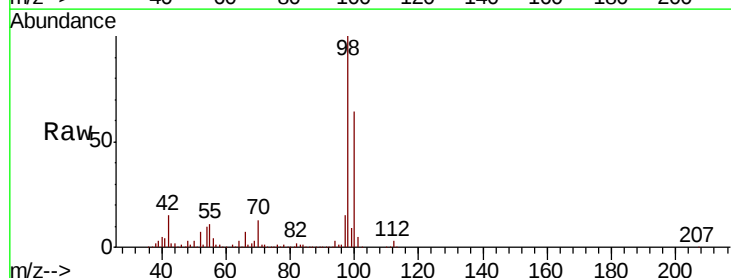
Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-W2(14-17)

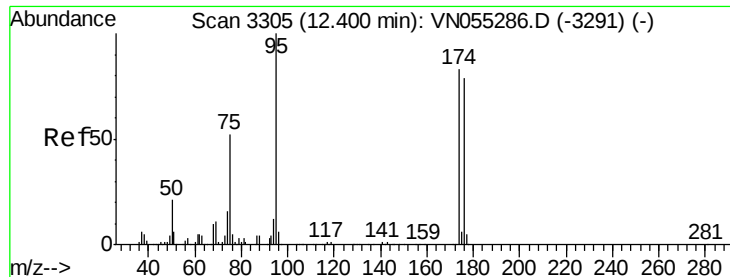
Tgt Ion: 83 Resp: 12780
Ion Ratio Lower Upper
83 100
55 93.5 67.8 101.6
98 48.1 36.2 54.4



#50
Toluene-d8
Concen: 53.458 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055365.D
Acq: 2 May 2019 22:37

Tgt Ion: 98 Resp: 887914
Ion Ratio Lower Upper
98 100
100 62.8 51.7 77.5





#62

4-Bromofluorobenzene

Concen: 72.050 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055365.D

Acq: 2 May 2019 22:37

Instrument :

MSVOA_N

ClientSampleId :

EP1-SB-W2(14-17)

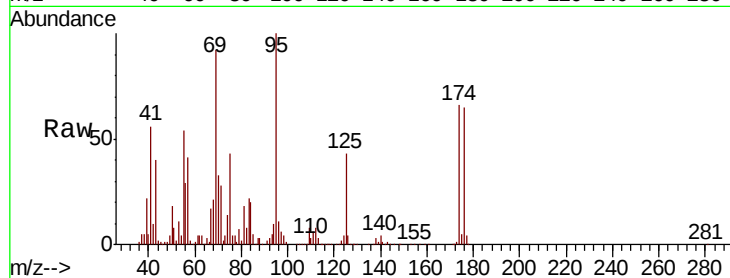
Tgt Ion: 95 Resp: 374022

Ion Ratio Lower Upper

95 100

174 66.7 0.0 166.6

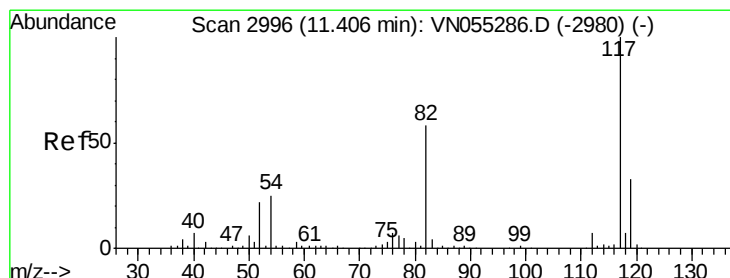
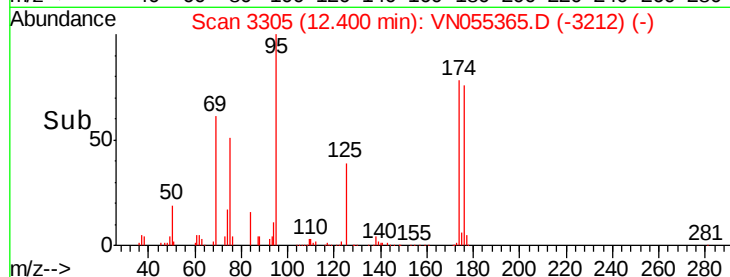
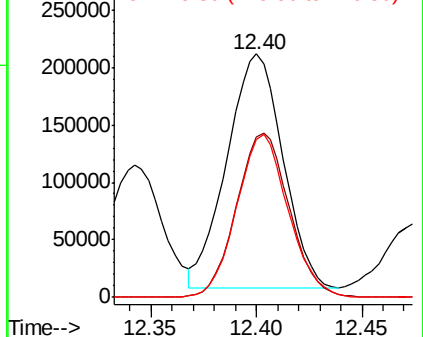
176 64.6 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): VN055286.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055286.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055286.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN055365.D

Acq: 2 May 2019 22:37

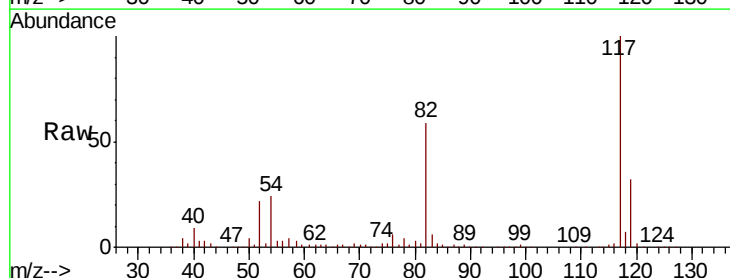
Tgt Ion: 117 Resp: 651909

Ion Ratio Lower Upper

117 100

82 53.9 46.2 69.4

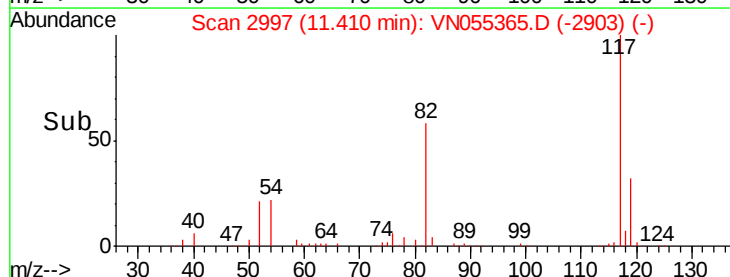
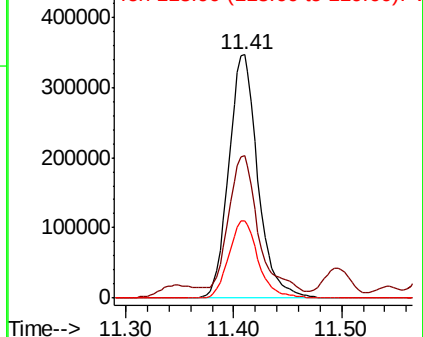
119 32.0 26.6 40.0

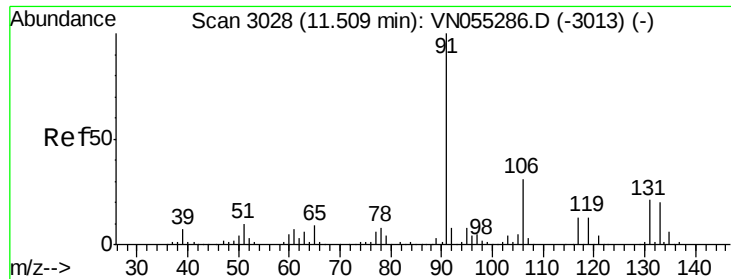


Abundance Ion 116.90 (116.60 to 117.60): VN055286.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN055286.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN055286.D (-2980) (-)

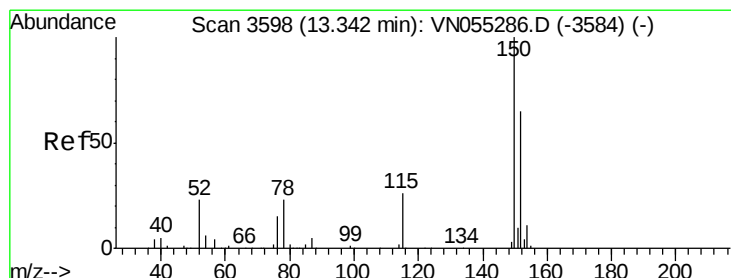
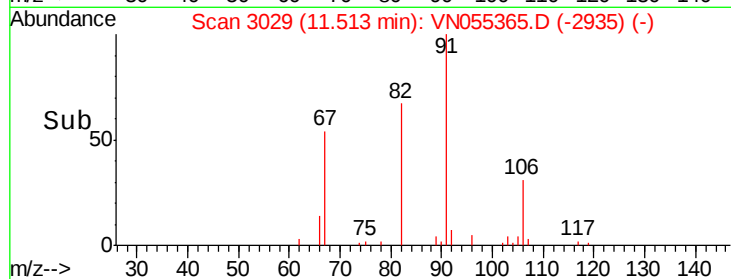
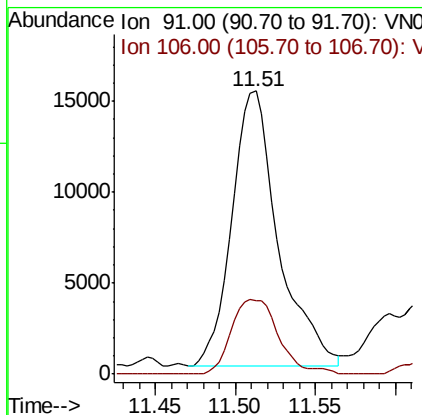
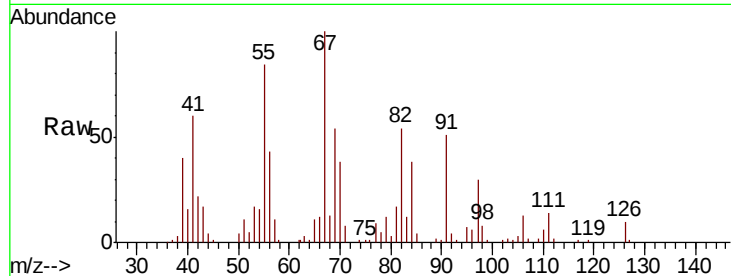




#67
Ethyl Benzene
Concen: 1.306 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN055365.D
Acq: 2 May 2019 22:37

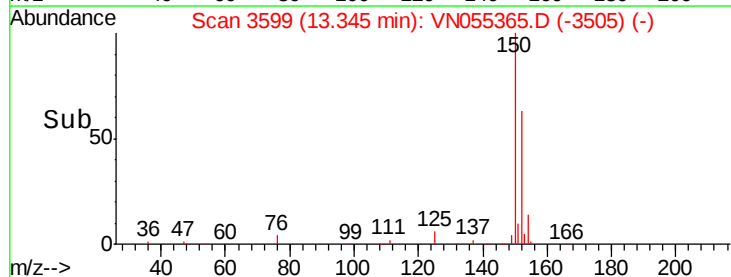
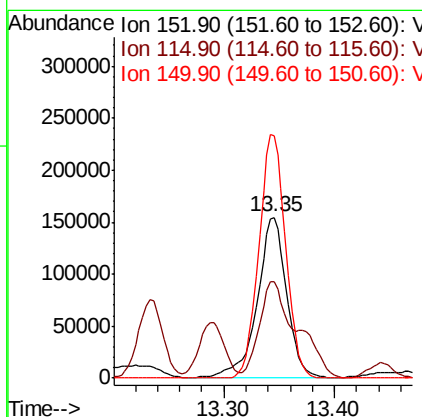
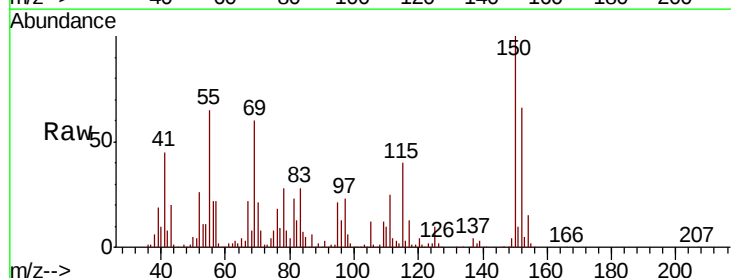
Instrument :
MSVOA_N
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EP1-SB-W2(14-17)

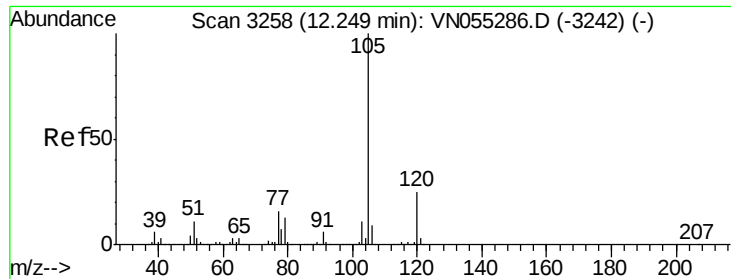
Tgt Ion: 91 Resp: 30068
Ion Ratio Lower Upper
91 100
106 26.9 24.6 36.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN055365.D
Acq: 2 May 2019 22:37

Tgt Ion: 152 Resp: 282967
Ion Ratio Lower Upper
152 100
115 76.7 29.0 87.0
150 138.4 0.0 345.6





#73

Isopropylbenzene

Concen: 13.769 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055365.D

Acq: 2 May 2019 22:37

Instrument :

MSVOA_N

ClientSampleId :

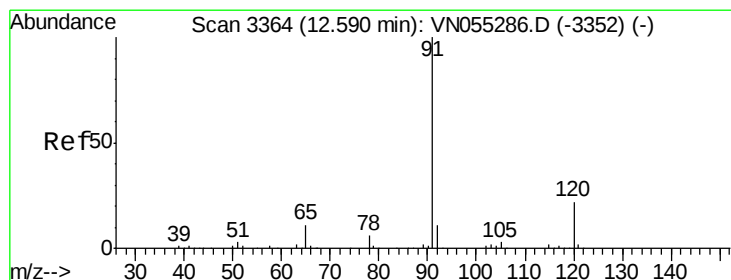
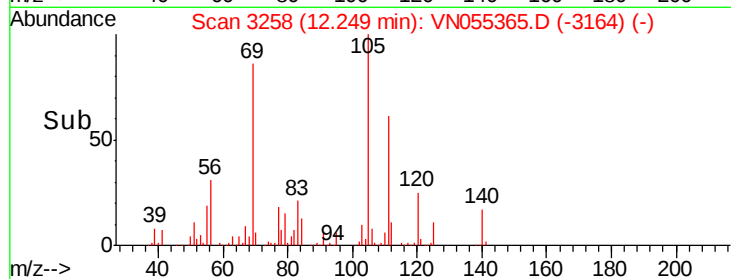
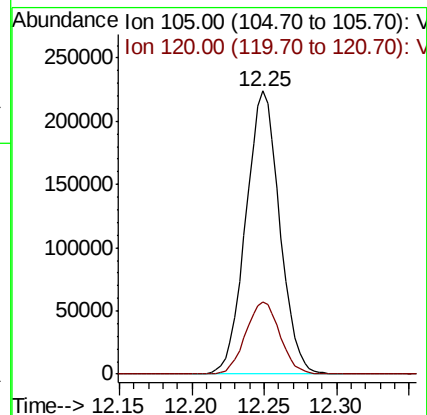
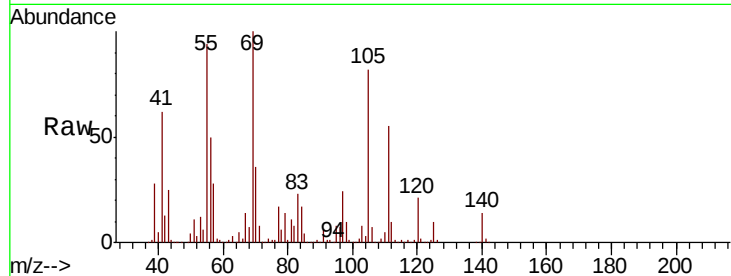
EP1-SB-W2(14-17)

Tgt Ion:105 Resp: 361613

Ion Ratio Lower Upper

105 100

120 25.8 12.9 38.7



#78

n-propylbenzene

Concen: 59.430 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055365.D

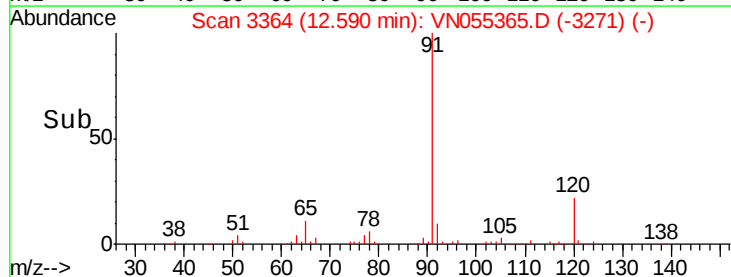
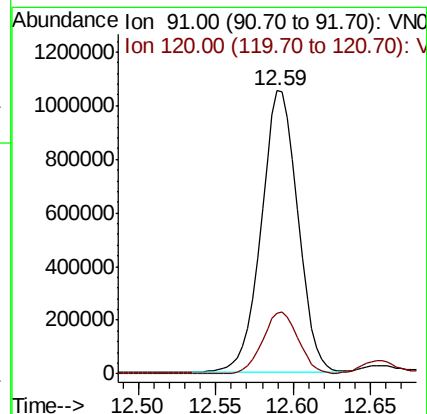
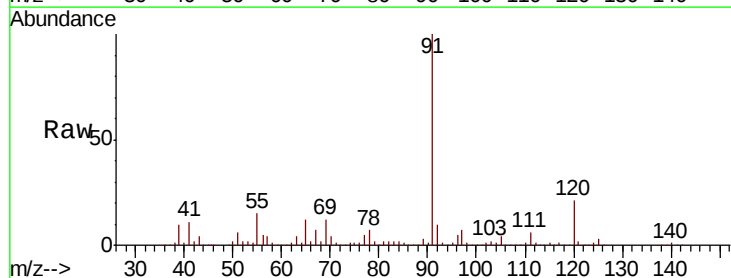
Acq: 2 May 2019 22:37

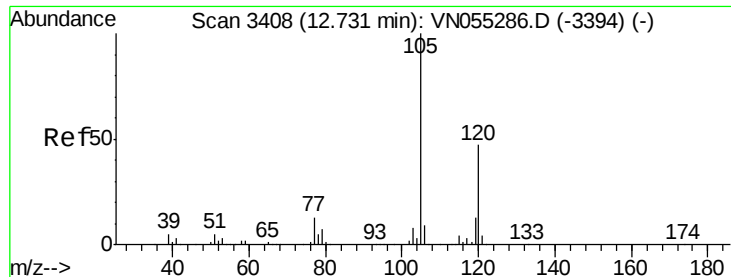
Tgt Ion: 91 Resp: 1727422

Ion Ratio Lower Upper

91 100

120 21.5 11.0 33.0

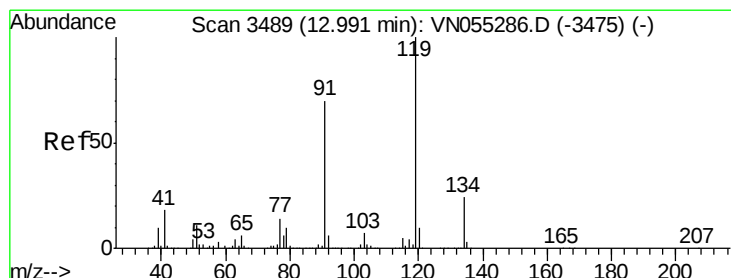
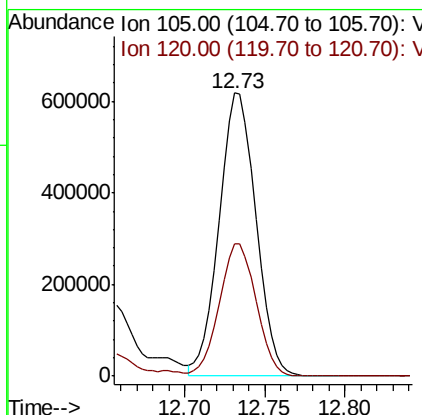
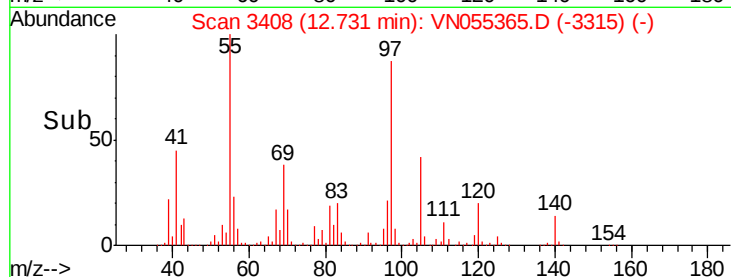
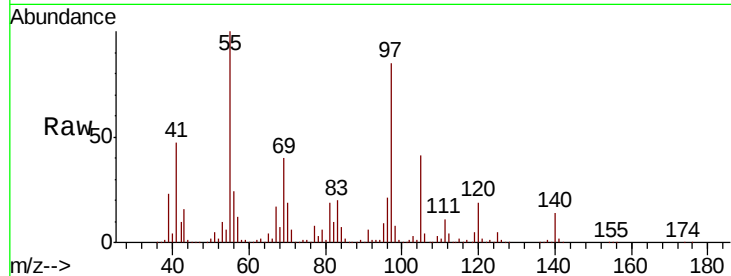




#80
 1,3,5-Trimethylbenzene
 Concen: 43.677 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055365.D
 Acq: 2 May 2019 22:37

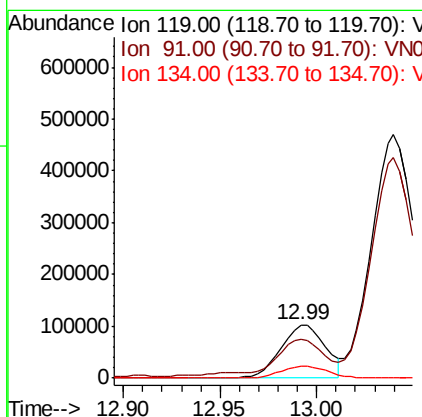
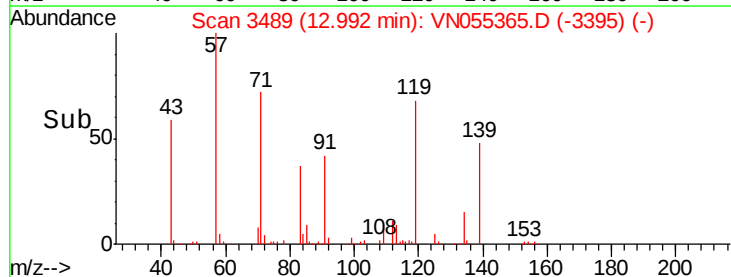
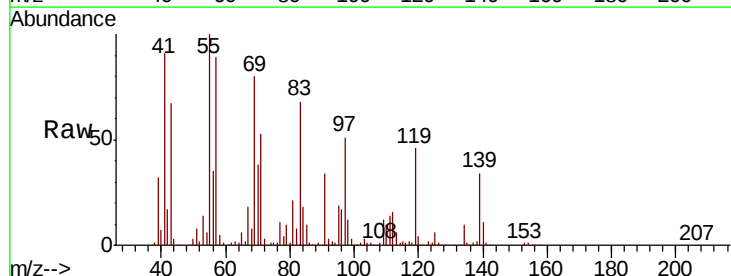
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SB-W2(14-17)

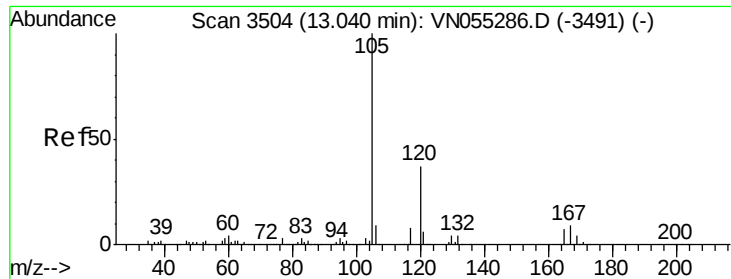
Tgt Ion:105 Resp: 968915
 Ion Ratio Lower Upper
 105 100
 120 47.0 23.4 70.0



#83
 tert-Butylbenzene
 Concen: 8.016 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055365.D
 Acq: 2 May 2019 22:37

Tgt Ion:119 Resp: 164237
 Ion Ratio Lower Upper
 119 100
 91 78.2 34.3 102.9
 134 23.8 13.1 39.3

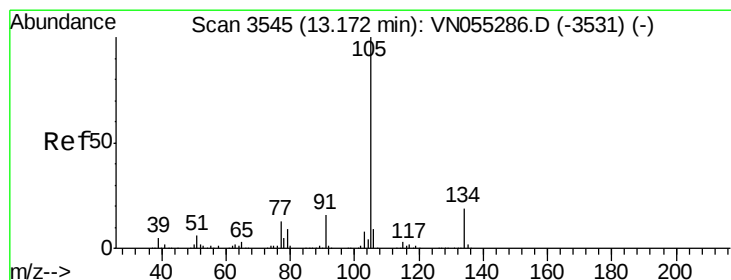
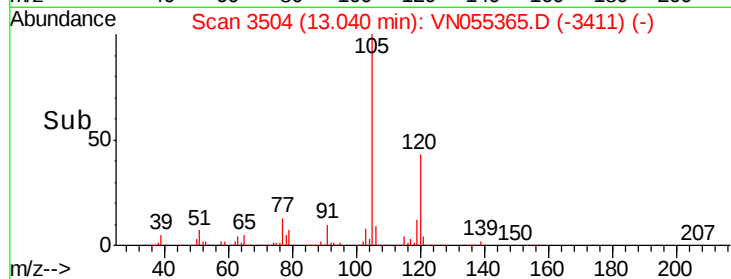
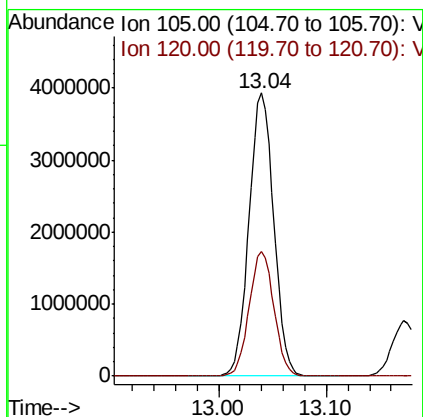
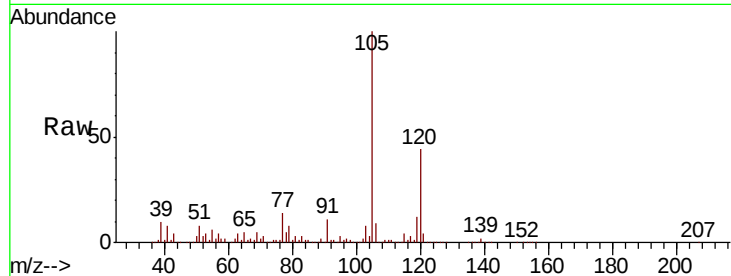




#84
 1,2,4-Trimethylbenzene
 Concen: 314.827 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055365.D
 Acq: 2 May 2019 22:37

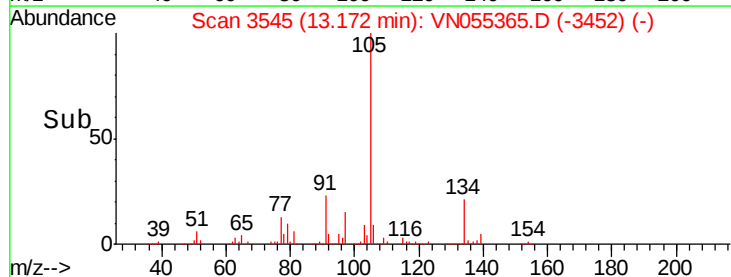
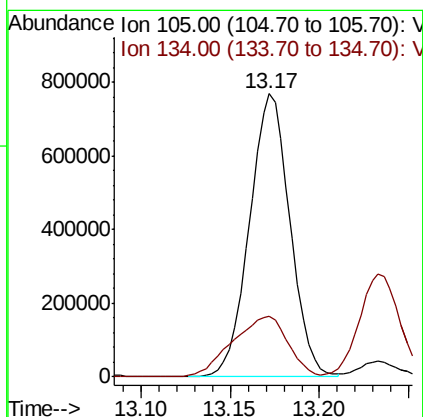
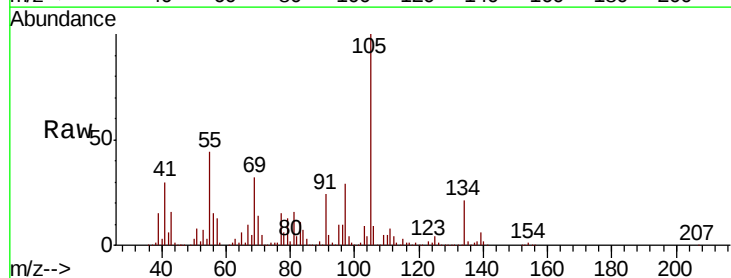
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-SB-W2(14-17)

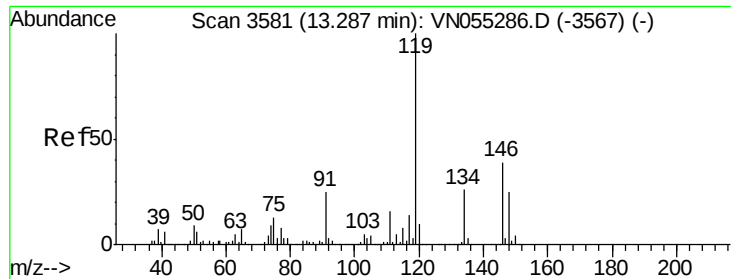
Tgt Ion:105 Resp: 6246146
 Ion Ratio Lower Upper
 105 100
 120 44.1 22.1 66.5



#85
 sec-Butylbenzene
 Concen: 50.239 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055365.D
 Acq: 2 May 2019 22:37

Tgt Ion:105 Resp: 1211336
 Ion Ratio Lower Upper
 105 100
 134 29.6 9.6 28.8#

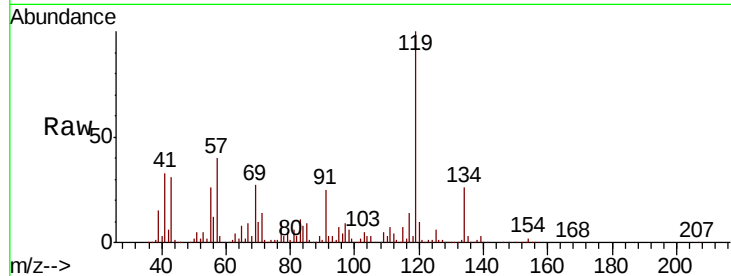




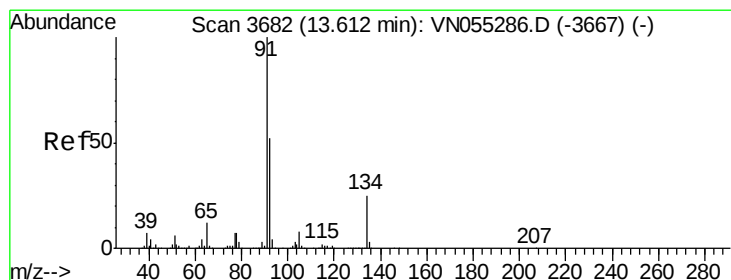
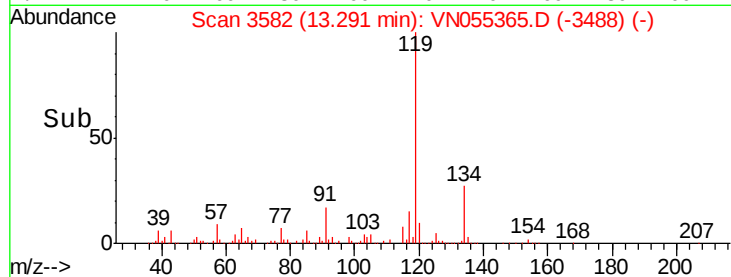
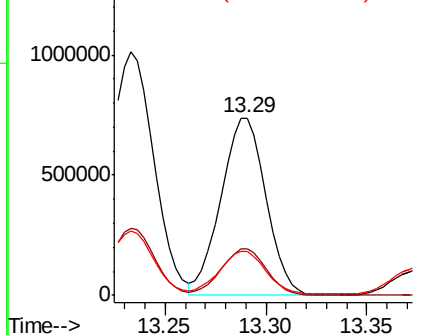
#86
p-Isopropyltoluene
Concen: 58.005 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. 0.00 min
Lab File: VN055365.D
Acq: 2 May 2019 22:37

Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-W2(14-17)

Tgt Ion:119 Resp: 1149527
Ion Ratio Lower Upper
119 100
134 26.3 13.0 38.9
91 24.6 12.2 36.6

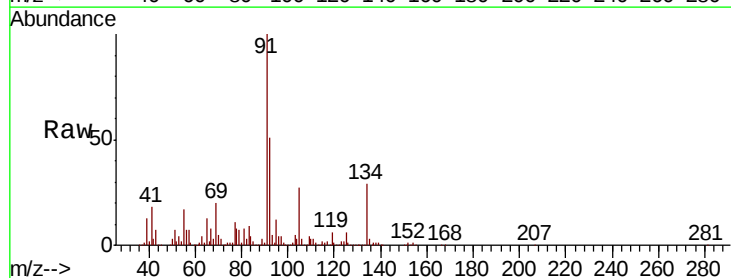


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

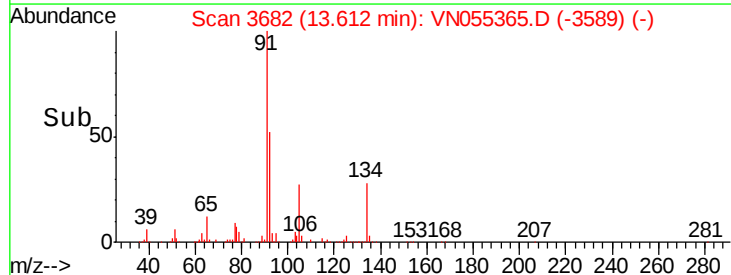
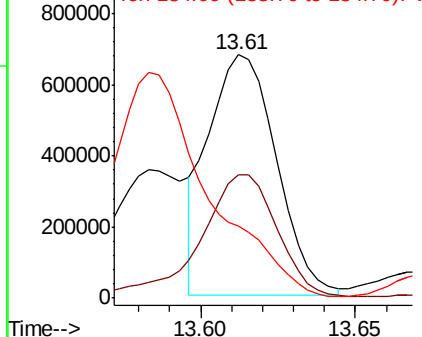


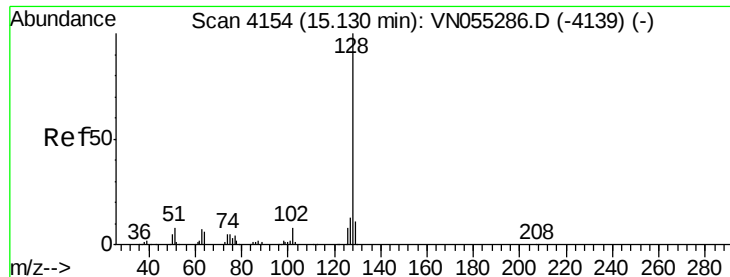
#89
n-Butylbenzene
Concen: 73.171 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055365.D
Acq: 2 May 2019 22:37

Tgt Ion: 91 Resp: 1030409
Ion Ratio Lower Upper
91 100
92 57.3 26.1 78.3
134 0.0 12.4 37.4#



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.00 (133.70 to 134.70): V

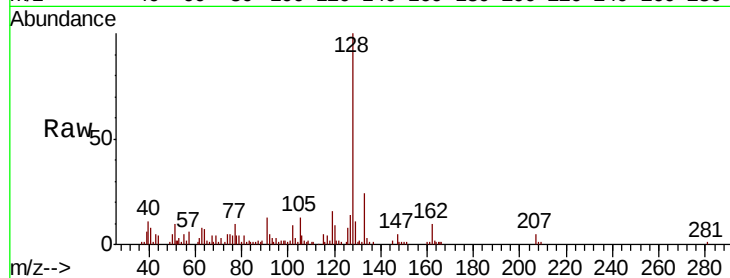




#95
Naphthalene
Concen: 9.480 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN055365.D
Acq: 2 May 2019 22:37

Instrument :
MSVOA_N
ClientSampleId :
EP1-SB-W2(14-17)

Tgt Ion:128 Resp: 51833
Ion Ratio Lower Upper
128 100
127 14.1 10.7 16.1
129 8.0 8.6 13.0#



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

