

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN122218\
 Data File : VN053134.D
 Acq On : 22 Dec 2018 15:51
 Operator : MD\SY
 Sample : J6392-21ME
 Misc : 6.3g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 KY001SB106-121218-(20-22)-FDME

Manual Integrations
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 12/24/2018 12:21:58 PM

Quant Time: Dec 24 06:37:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1137547	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1724447	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1478399	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	688962	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	534254	46.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.56%	
35) Dibromofluoromethane	7.59	113	426833	54.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.38%	
50) Toluene-d8	10.09	98	2273018	53.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.50%	
62) 4-Bromofluorobenzene	12.40	95	728242	49.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.10%	
Target Compounds						
					Qvalue	
31) Cyclohexane	7.63	56	1179979	59.257	ug/l #	57
39) Methylcyclohexane	9.08	83	3645588	181.310	ug/l	92
40) Benzene	8.04	78	428942	8.713	ug/l	99
52) Toluene	10.16	92	47970	1.572	ug/l	99
67) Ethyl Benzene	11.50	91	18297047m	324.651	ug/l	
68) m/p-Xylenes	11.63	106	12996969	606.617	ug/l #	1
69) o-Xylene	11.95	106	8185806	398.155	ug/l	90
73) Isopropylbenzene	12.25	105	8609808	159.721	ug/l	99
78) n-propylbenzene	12.59	91	15421266	251.188	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	15355894m	349.495	ug/l	
84) 1,2,4-Trimethylbenzene	13.03	105	22999157m	520.702	ug/l	
85) sec-Butylbenzene	13.17	105	1662332	31.627	ug/l #	49
86) p-Isopropyltoluene	13.29	119	939638	20.689	ug/l	99
89) n-Butylbenzene	13.62	91	2802190	71.718	ug/l #	74
95) Naphthalene	15.13	128	5944722	215.571	ug/l	100

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

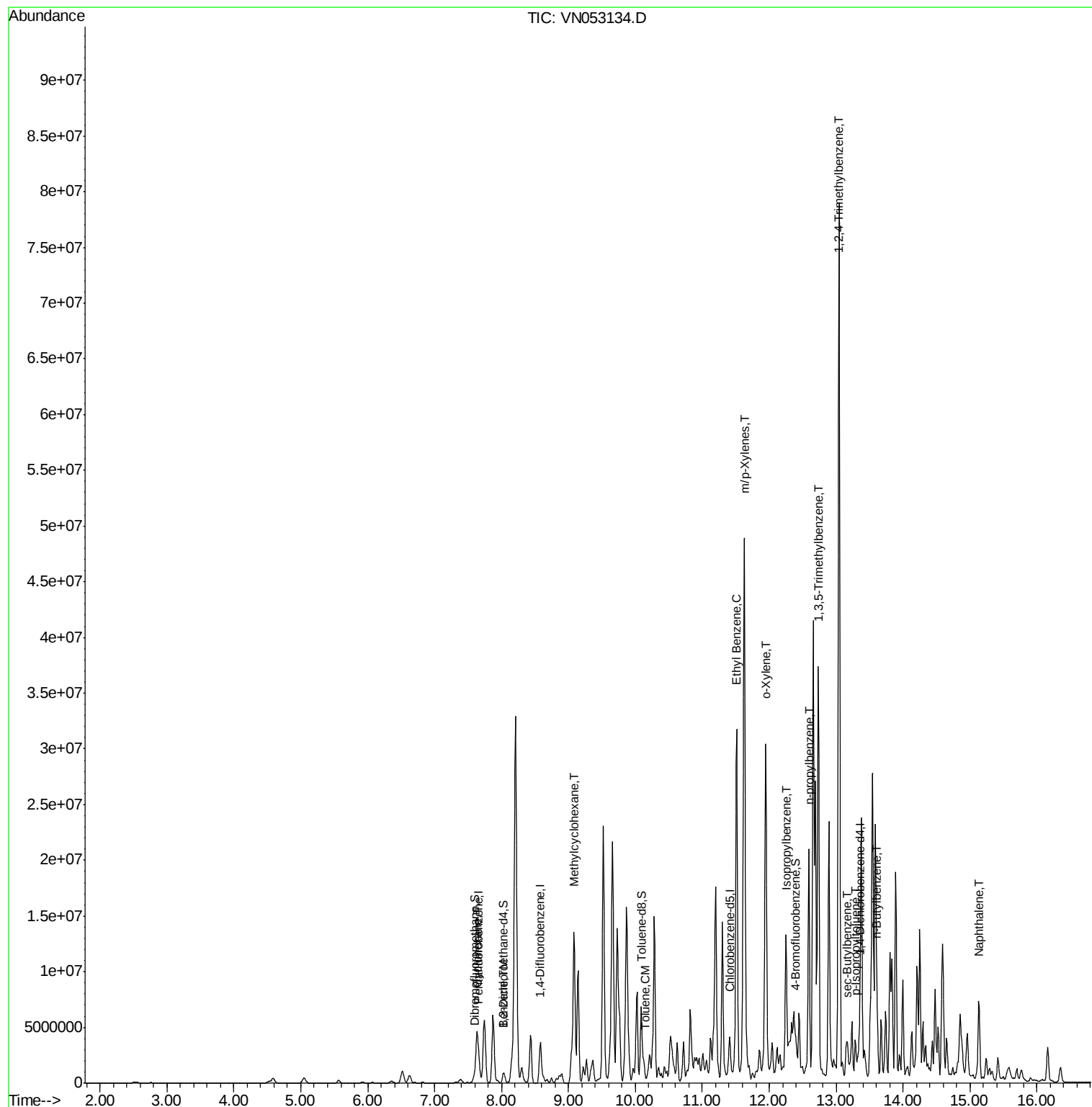
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN122218\
Data File : VN053134.D
Acq On : 22 Dec 2018 15:51
Operator : MD\SY
Sample : J6392-21ME
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ALS Vial : 12 Sample Multiplier: 28

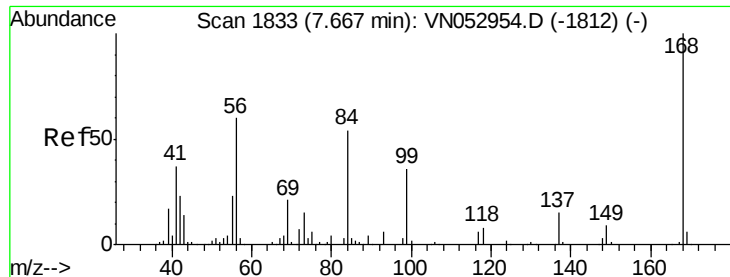
Instrument :
MSVOA_N
ClientSampleId :
KY001SB106-121218-(20-22)-FDME

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Quant Time: Dec 24 06:37:06 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053134.D

Acq: 22 Dec 2018 15:51

Instrument :

MSVOA_N

ClientSampleId :

KY001SB106-121218-(20-22)-FDME

Tgt Ion:168 Resp: 1137547

Ion Ratio Lower Upper

168 100

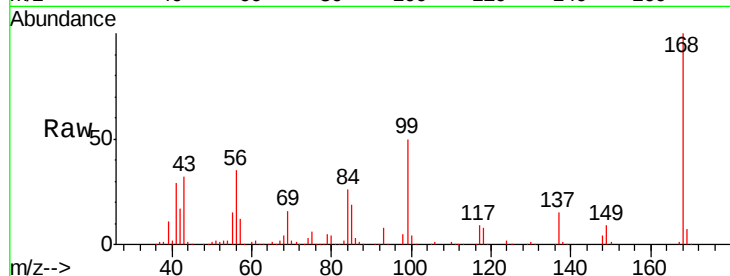
99 50.2 40.2 60.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

500000

400000

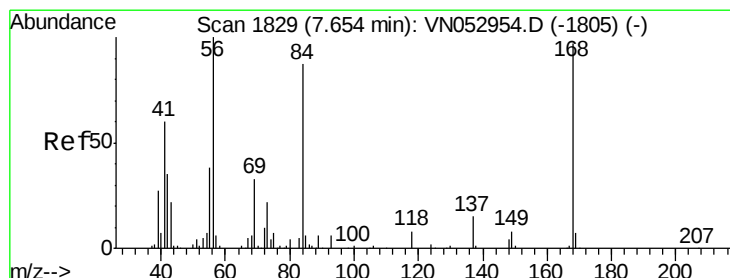
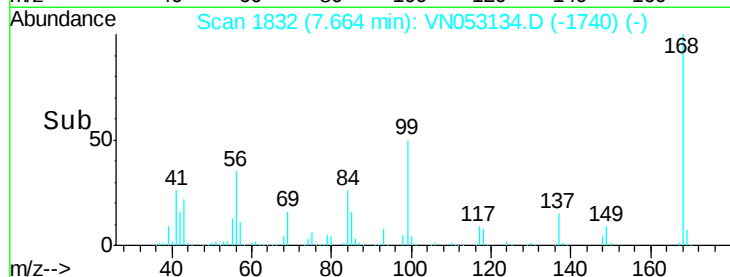
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#31

Cyclohexane

Concen: 59.257 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. -0.02 min

Lab File: VN053134.D

Acq: 22 Dec 2018 15:51

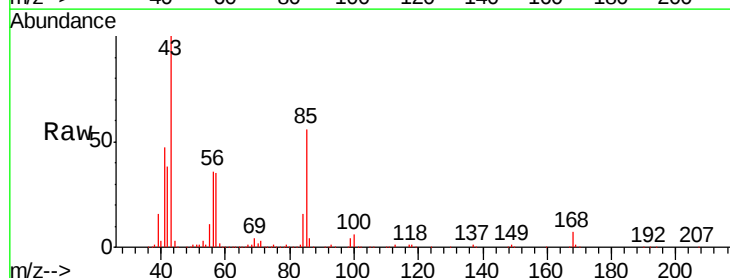
Tgt Ion: 56 Resp: 1179979

Ion Ratio Lower Upper

56 100

69 10.6 26.6 39.8#

84 44.9 68.4 102.6#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 69.00 (68.70 to 69.70): VN

Ion 84.00 (83.70 to 84.70): VN

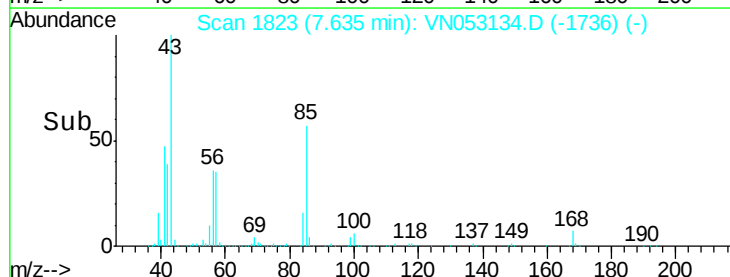
1500000

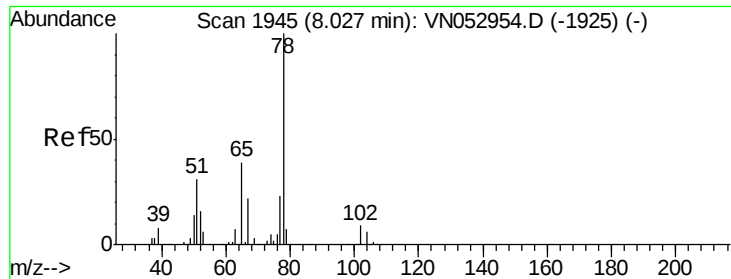
1000000

500000

0

Time--> 7.55 7.60 7.65 7.70





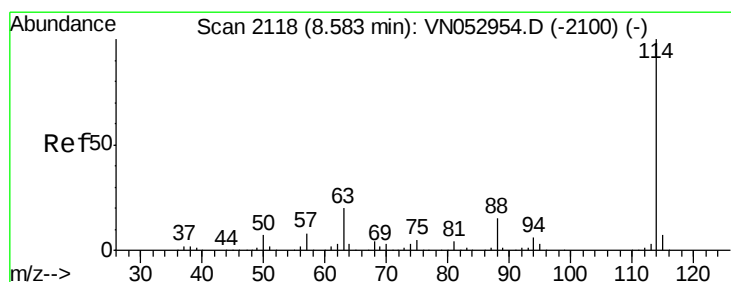
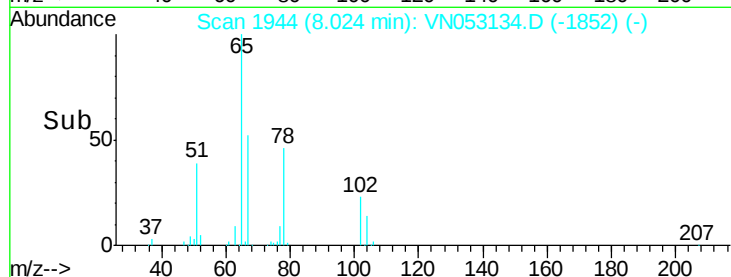
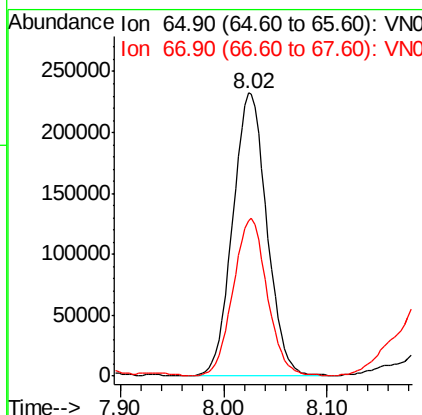
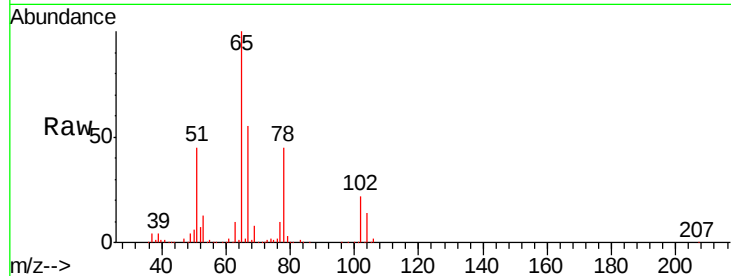
#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053134.D
 Acq: 22 Dec 2018 15:51

Instrument :
 MSVOA_N
 ClientSampleId :
 KY001SB106-121218-(20-22)-FDME

Tgt Ion: 65 Resp: 534254
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 110.4

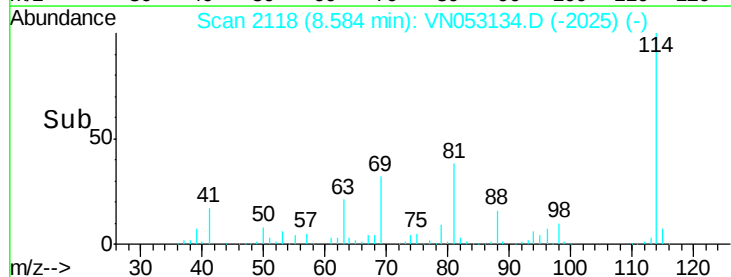
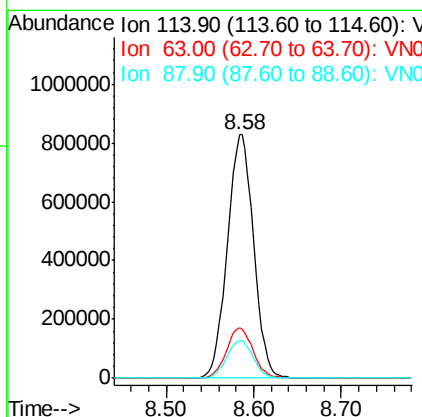
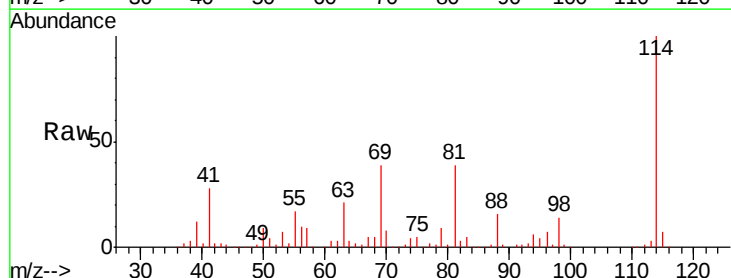
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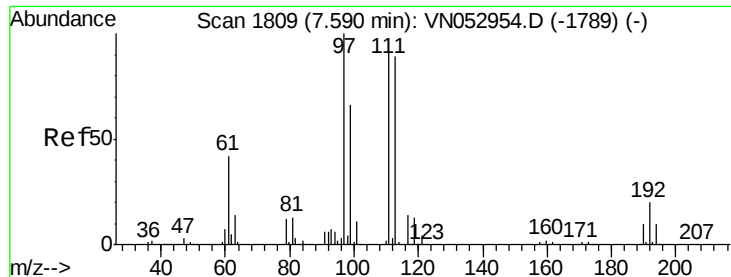
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN053134.D
 Acq: 22 Dec 2018 15:51

Tgt Ion: 114 Resp: 1724447
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 39.8
 88 15.7 0.0 31.0





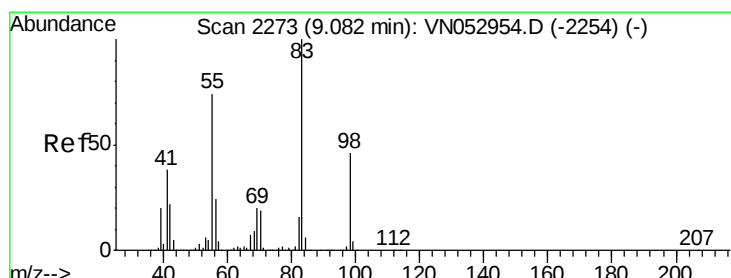
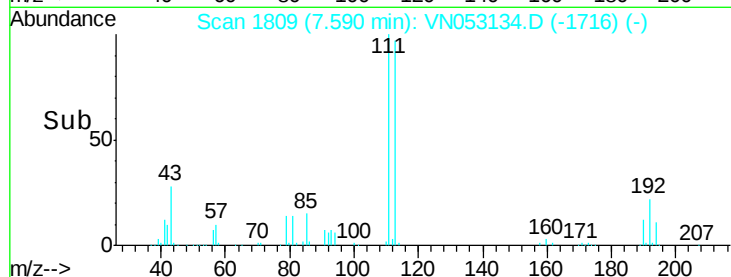
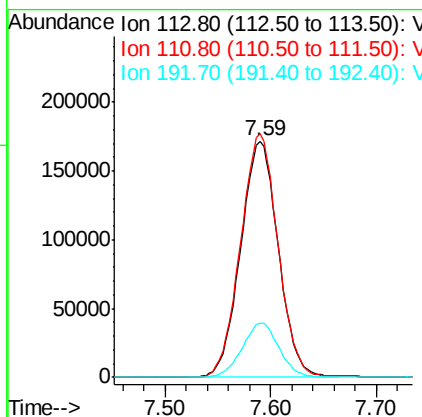
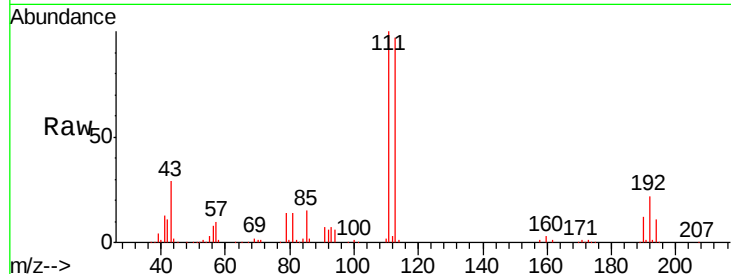
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN053134.D
Acq: 22 Dec 2018 15:51

Instrument :
MSVOA_N
ClientSampleId :
KY001SB106-121218-(20-22)-FDME

Tgt Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.2	83.0	124.4	
192	22.5	17.5	26.3	

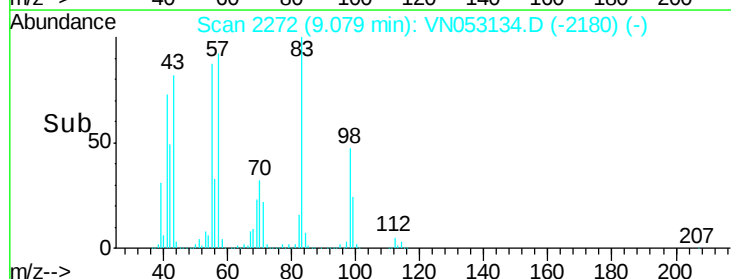
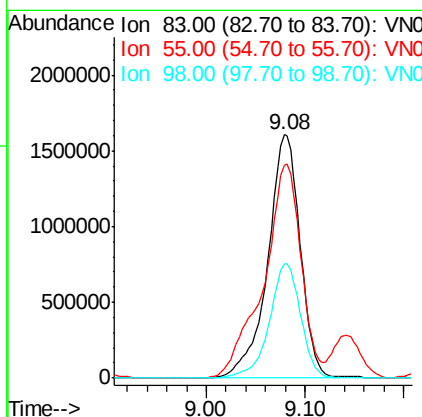
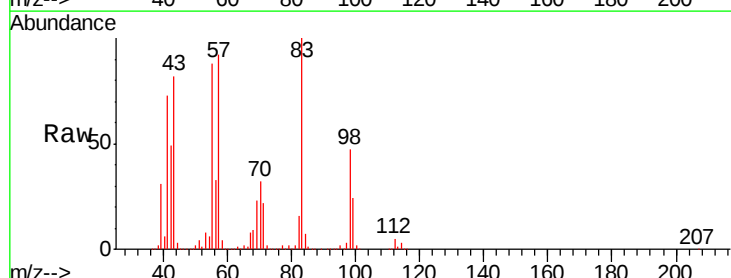
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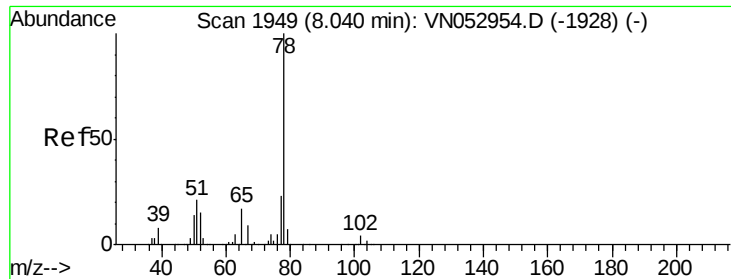
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#39
Methylcyclohexane
Concen: 181.310 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN053134.D
Acq: 22 Dec 2018 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
55	87.5	61.3	91.9	
98	46.7	37.0	55.4	





#40

Benzene

Concen: 8.713 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. 0.00 min

Lab File: VN053134.D

Acq: 22 Dec 2018 15:51

Instrument :

MSVOA_N

ClientSampleId :

KY001SB106-121218-(20-22)-FDME

Tgt Ion: 78 Resp: 428942

Ion Ratio Lower Upper

78 100

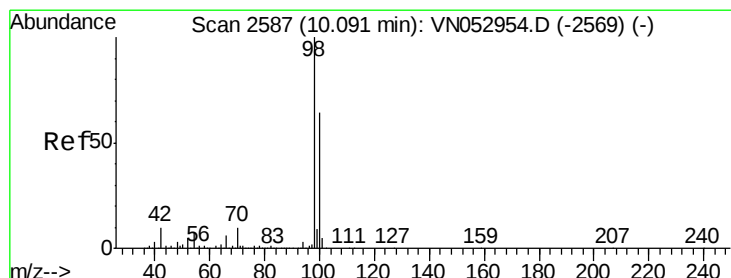
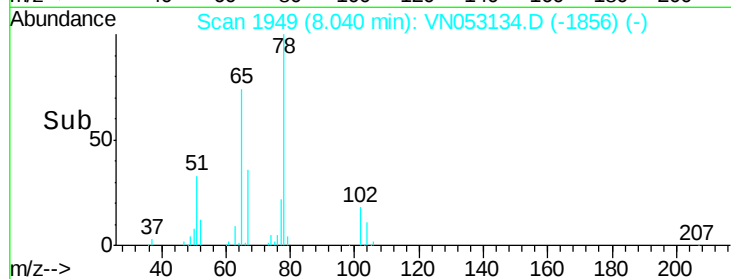
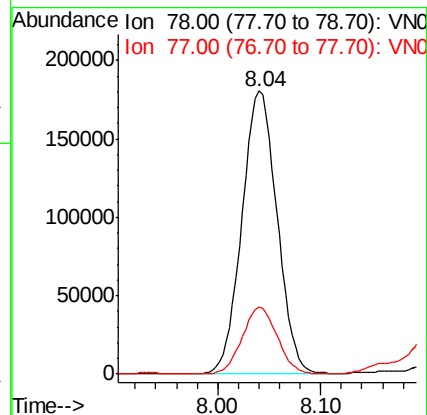
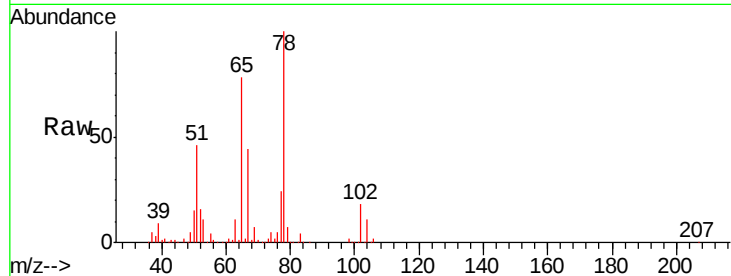
77 23.6 18.5 27.7

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#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053134.D

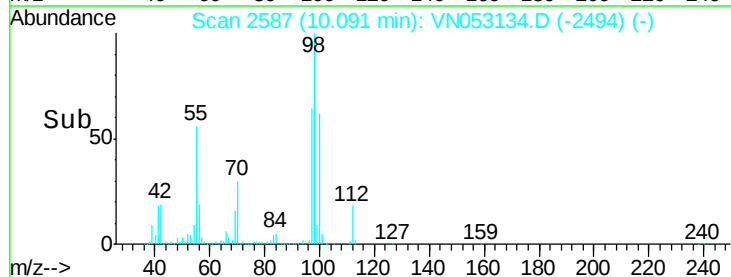
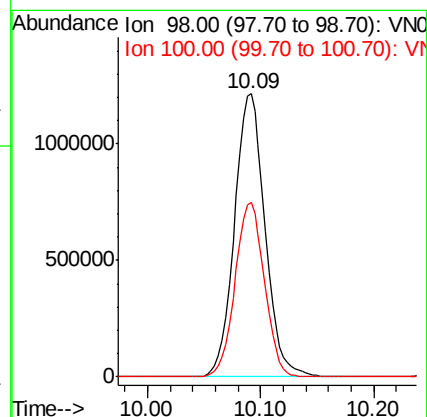
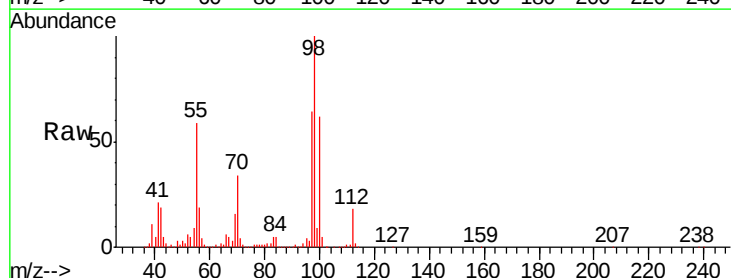
Acq: 22 Dec 2018 15:51

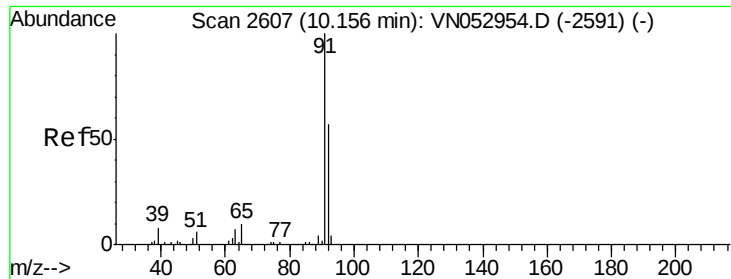
Tgt Ion: 98 Resp: 2273018

Ion Ratio Lower Upper

98 100

100 59.4 51.6 77.4





#52

Toluene

Concen: 1.572 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053134.D

Acq: 22 Dec 2018 15:51

Instrument :

MSVOA_N

ClientSampleId :

KY001SB106-121218-(20-22)-FDME

Tgt Ion: 92 Resp: 47970

Ion Ratio Lower Upper

92 100

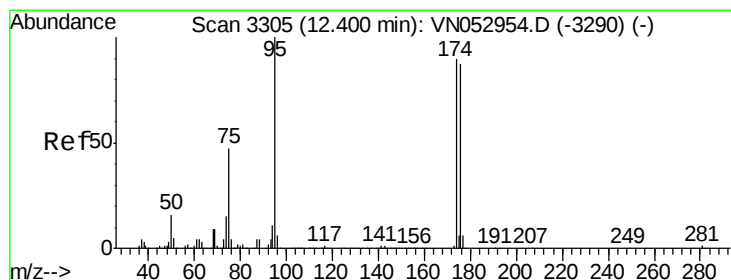
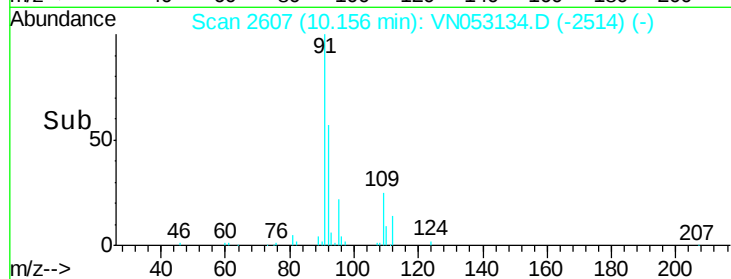
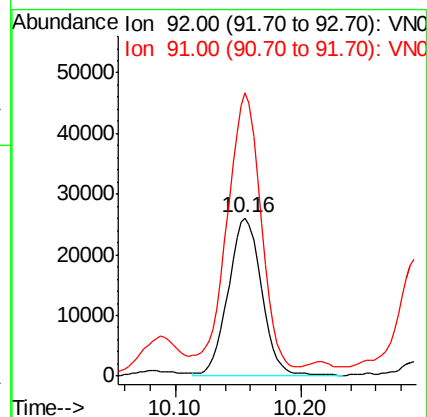
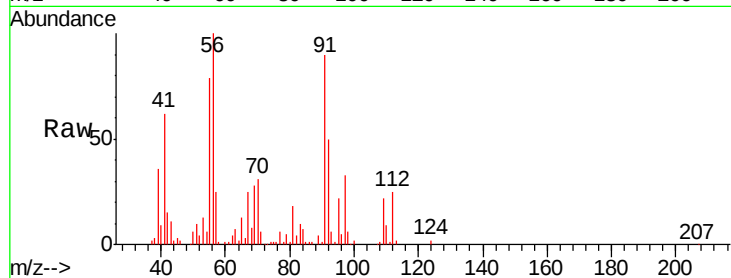
91 175.9 139.8 209.6

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053134.D

Acq: 22 Dec 2018 15:51

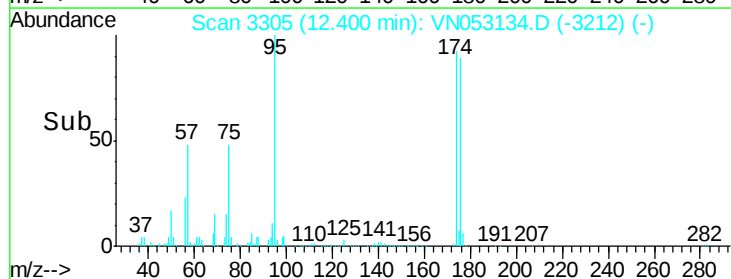
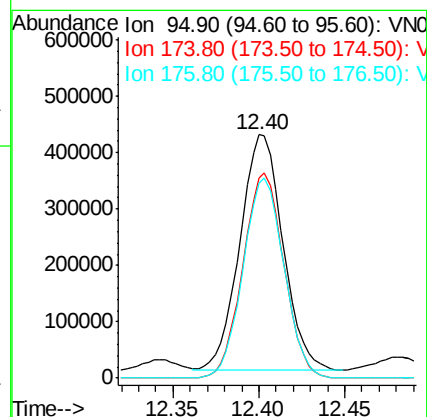
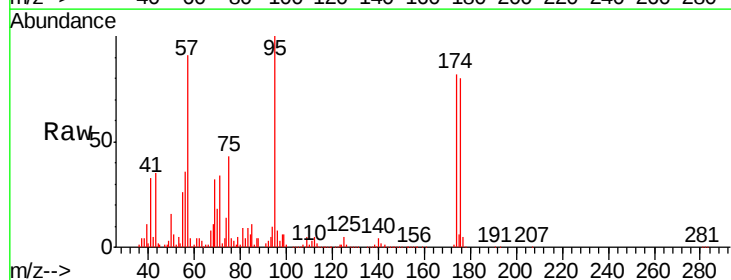
Tgt Ion: 95 Resp: 728242

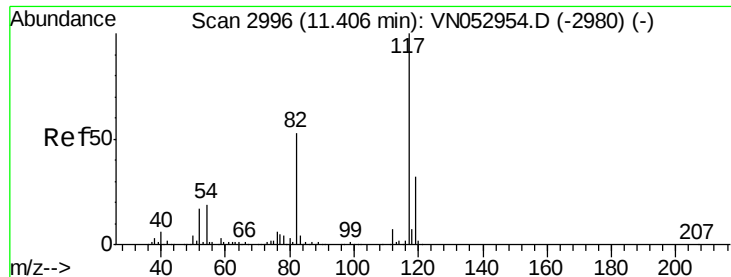
Ion Ratio Lower Upper

95 100

174 82.6 0.0 178.8

176 80.7 0.0 173.8





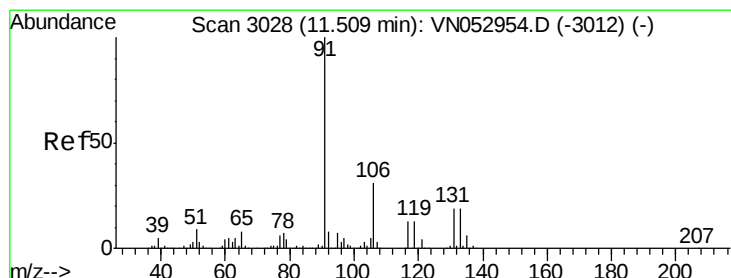
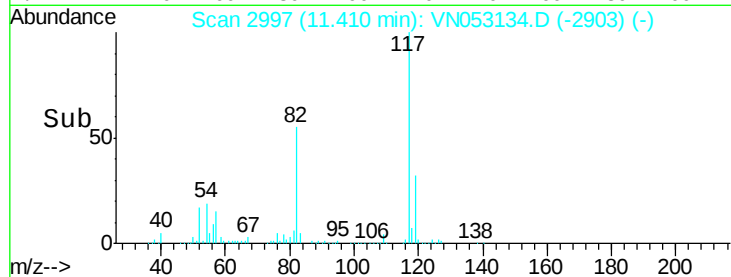
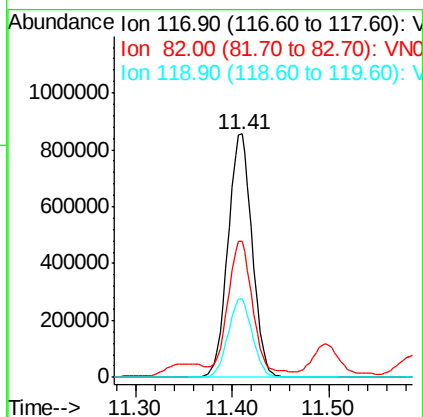
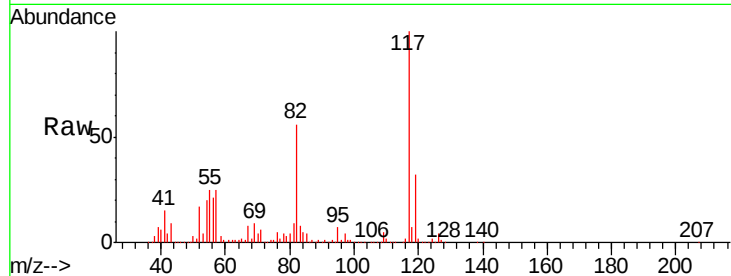
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053134.D
Acq: 22 Dec 2018 15:51

Instrument :
MSVOA_N
ClientSampleId :
KY001SB106-121218-(20-22)-FDME

Tgt Ion: 117 Resp: 1478399
Ion Ratio Lower Upper
117 100
82 50.6 42.8 64.2
119 32.4 25.5 38.3

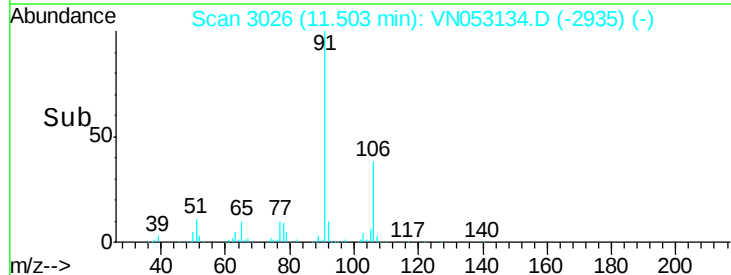
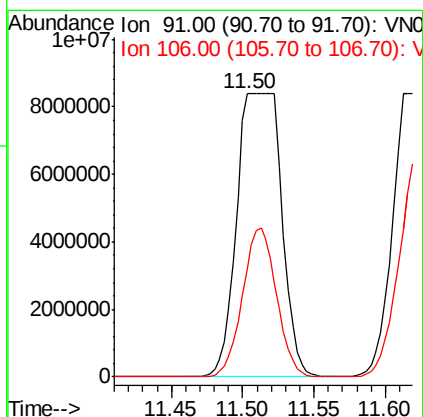
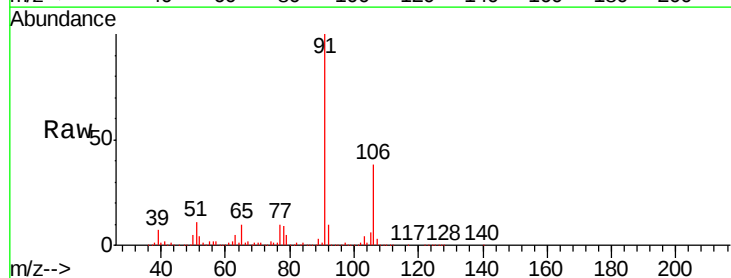
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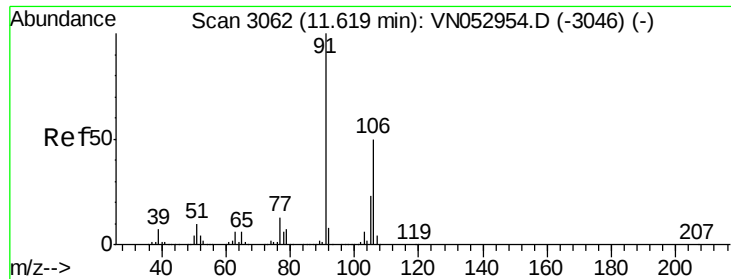
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#67
Ethyl Benzene
Concen: 324.651 ug/l m
RT: 11.50 min Scan# 3026
Delta R.T. -0.01 min
Lab File: VN053134.D
Acq: 22 Dec 2018 15:51

Tgt Ion: 91 Resp: 18297047
Ion Ratio Lower Upper
91 100
106 38.3 24.9 37.3#





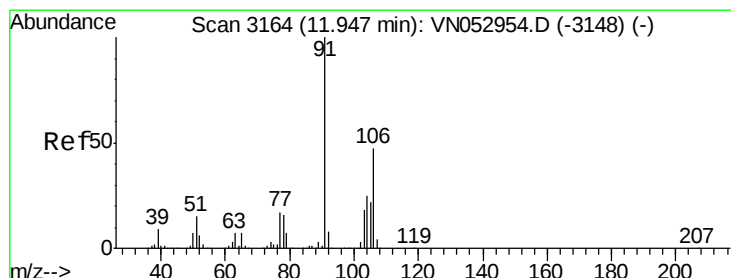
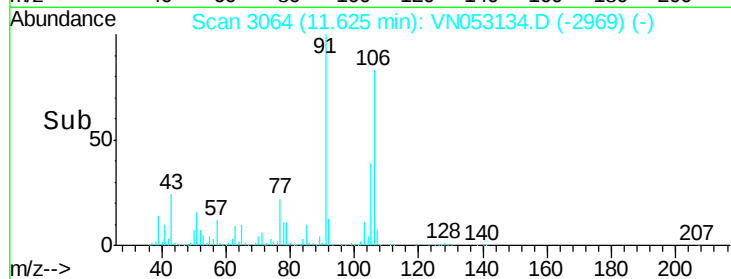
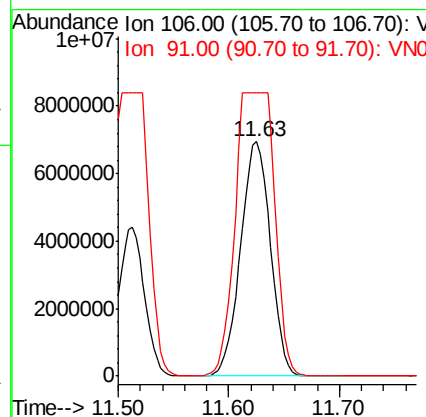
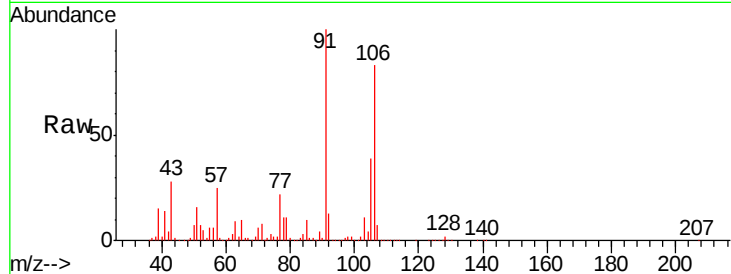
#68
m/p-Xylenes
Concen: 606.617 ug/l
RT: 11.63 min Scan# 3064
Delta R.T. 0.01 min
Lab File: VN053134.D
Acq: 22 Dec 2018 15:51

Instrument :
MSVOA_N
ClientSampleId :
KY001SB106-121218-(20-22)-FDME

Tgt Ion:106 Resp:12996969
Ion Ratio Lower Upper
106 100
91 0.0 162.2 243.4#

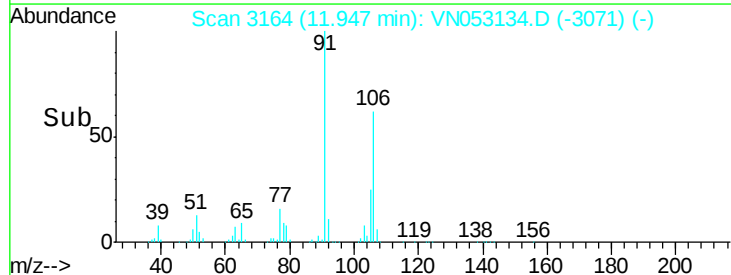
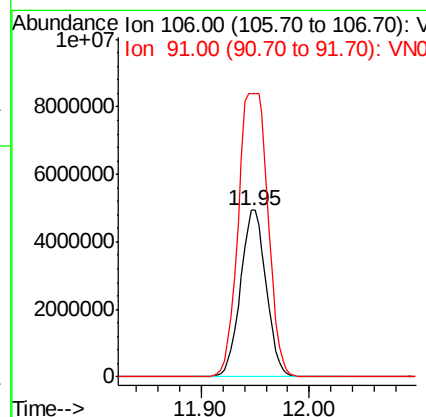
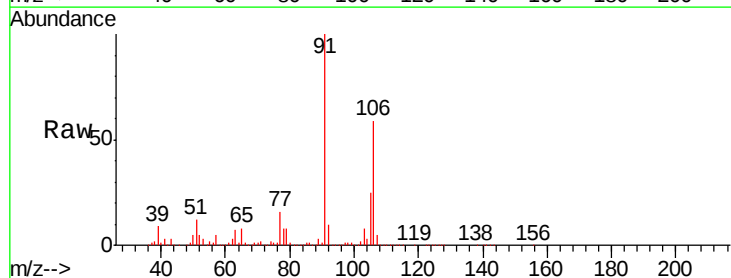
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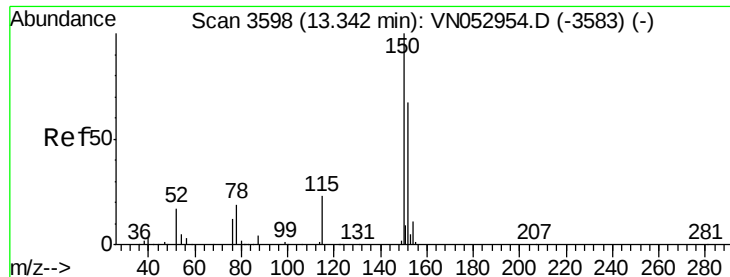
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#69
o-Xylene
Concen: 398.155 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053134.D
Acq: 22 Dec 2018 15:51

Tgt Ion:106 Resp: 8185806
Ion Ratio Lower Upper
106 100
91 197.0 106.6 319.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053134.D

Acq: 22 Dec 2018 15:51

Instrument :

MSVOA_N

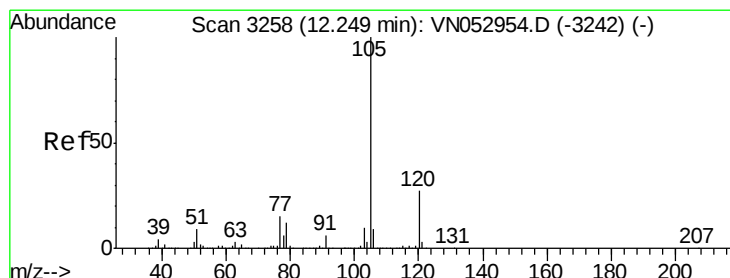
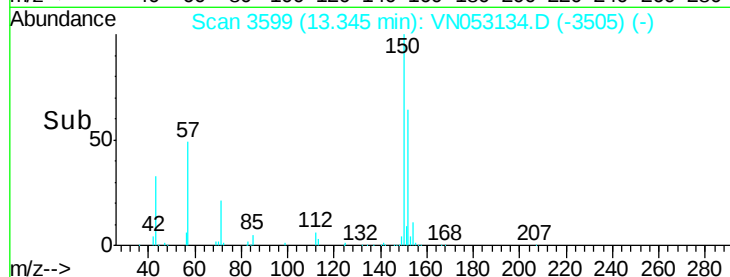
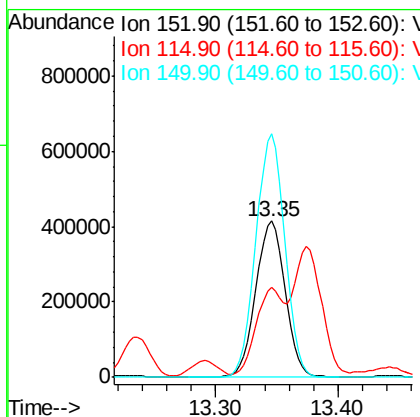
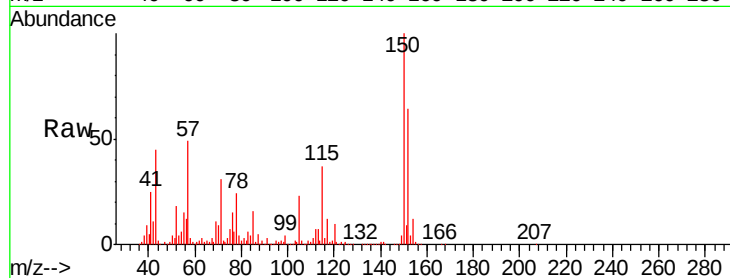
ClientSampleId :

KY001SB106-121218-(20-22)-FDME

Tgt Ion:	152	Resp:	688962
Ion Ratio	Lower	Upper	
152	100		
115	53.3	28.3	85.0
150	153.6	0.0	347.8

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#73

Isopropylbenzene

Concen: 159.721 ug/l

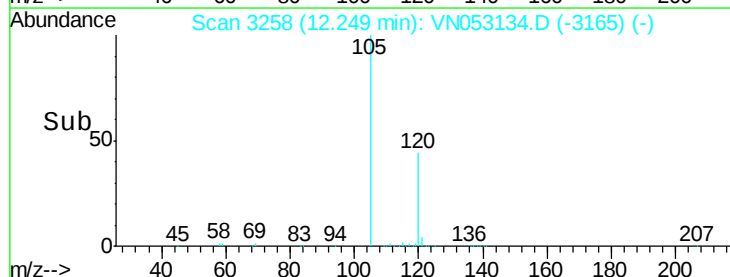
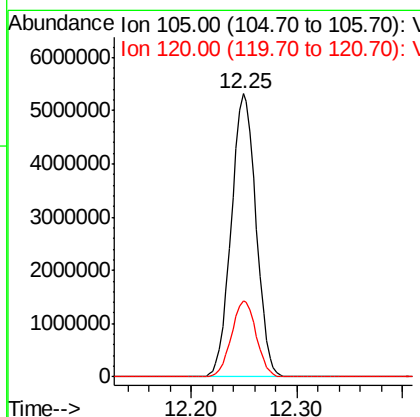
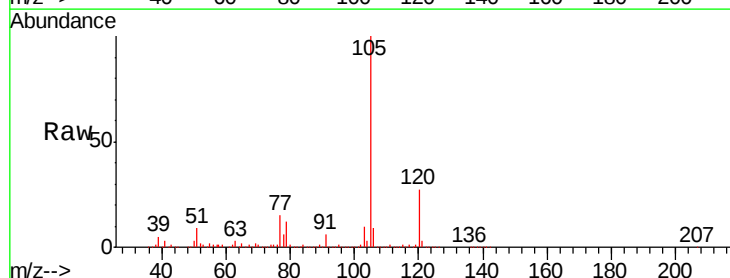
RT: 12.25 min Scan# 3258

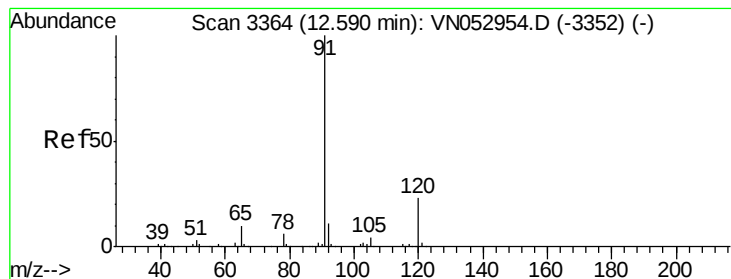
Delta R.T. 0.00 min

Lab File: VN053134.D

Acq: 22 Dec 2018 15:51

Tgt Ion:	105	Resp:	8609808
Ion Ratio	Lower	Upper	
105	100		
120	27.1	13.3	39.9





#78

n-propylbenzene

Concen: 251.188 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN053134.D

Acq: 22 Dec 2018 15:51

Instrument :

MSVOA_N

ClientSampleId :

KY001SB106-121218-(20-22)-FDME

Tgt Ion: 91 Resp:15421266

Ion Ratio Lower Upper

91 100

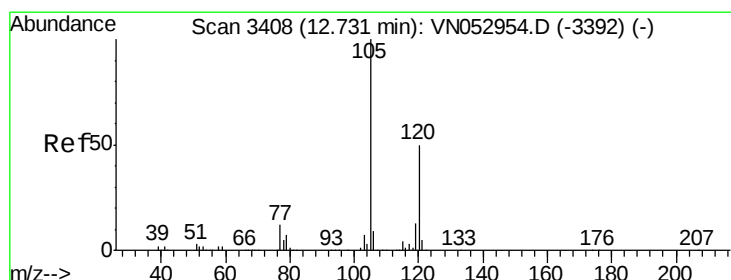
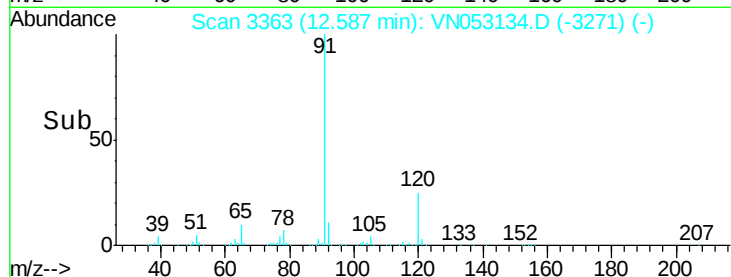
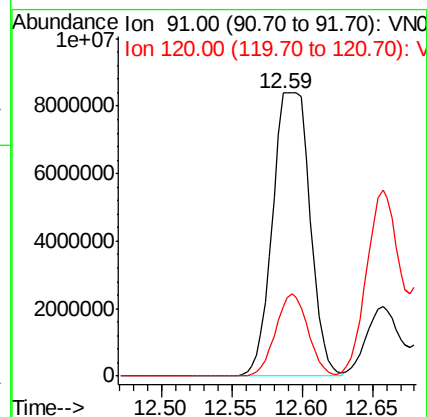
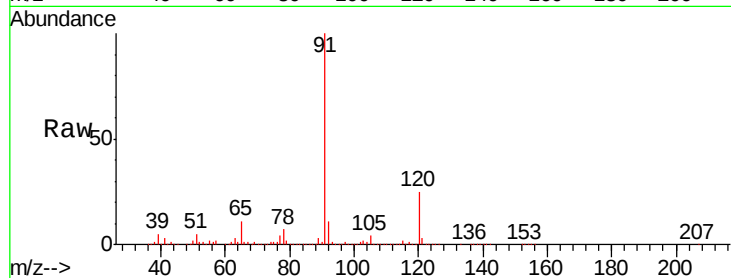
120 25.2 11.5 34.5

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#80

1,3,5-Trimethylbenzene

Concen: 349.495 ug/l m

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN053134.D

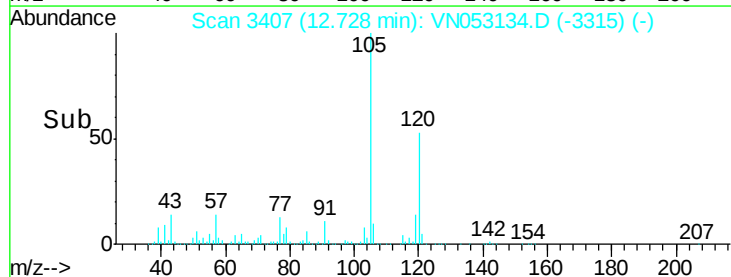
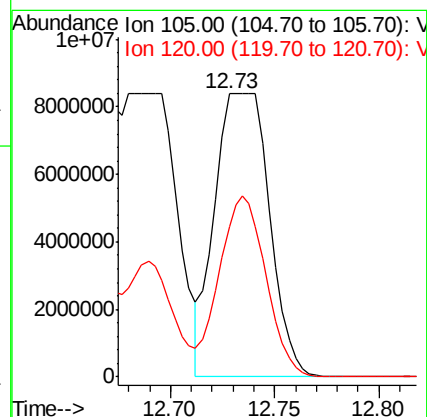
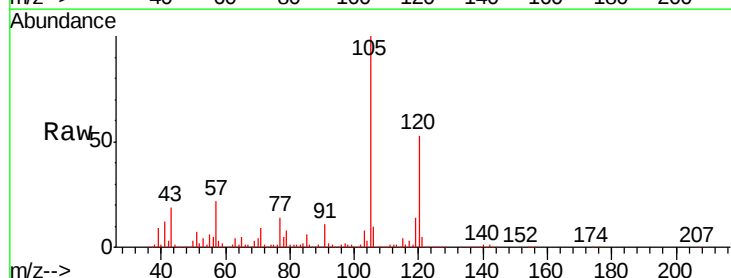
Acq: 22 Dec 2018 15:51

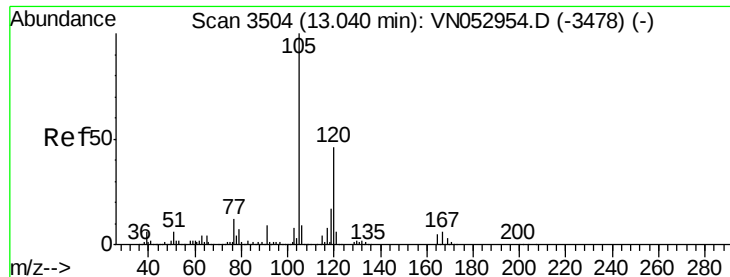
Tgt Ion:105 Resp:15355894

Ion Ratio Lower Upper

105 100

120 30.3 24.4 73.2





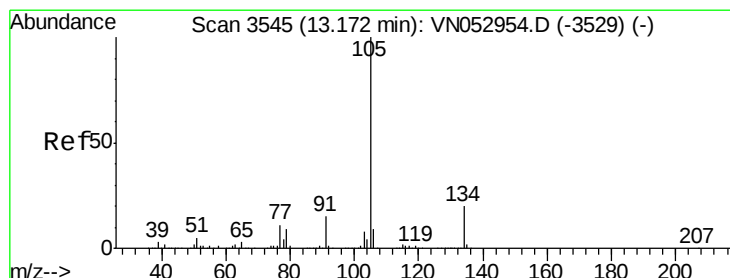
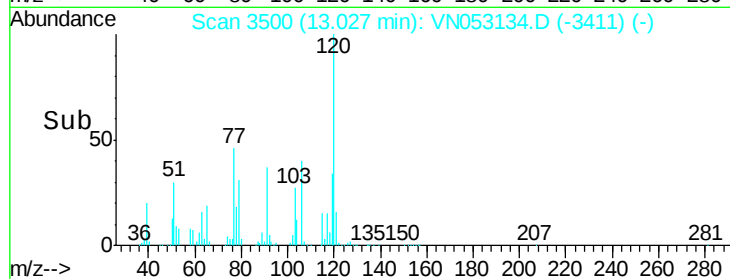
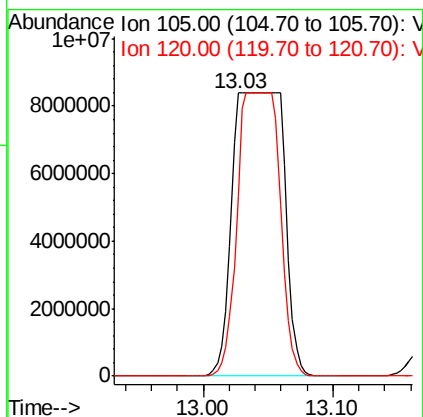
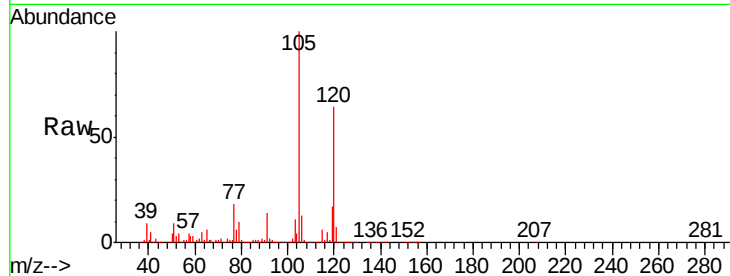
#84
 1,2,4-Trimethylbenzene
 Concen: 520.702 ug/l m
 RT: 13.03 min Scan# 3500
 Delta R.T. -0.01 min
 Lab File: VN053134.D
 Acq: 22 Dec 2018 15:51

Instrument :
 MSVOA_N
 ClientSampleId :
 KY001SB106-121218-(20-22)-FDME

Tgt Ion:105 Resp:22999157
 Ion Ratio Lower Upper
 105 100
 120 20.2 22.9 68.8#

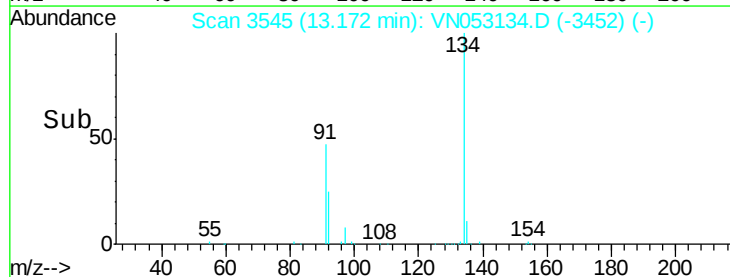
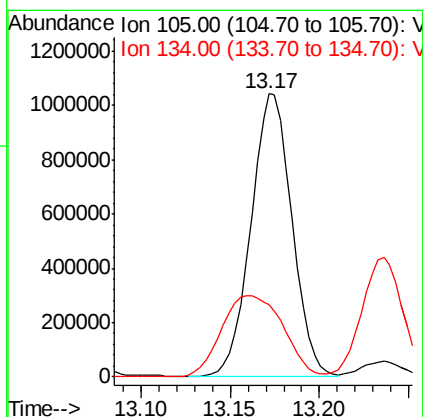
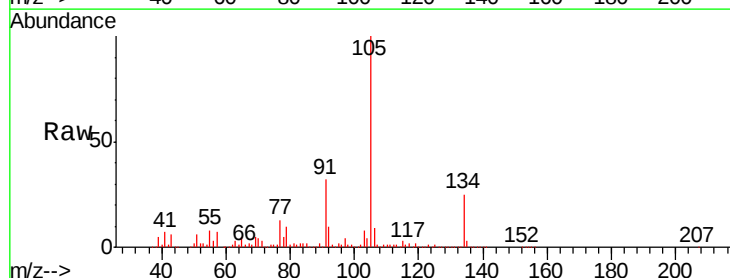
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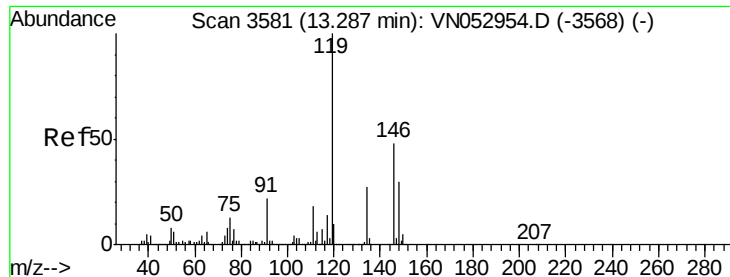
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#85
 sec-Butylbenzene
 Concen: 31.627 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN053134.D
 Acq: 22 Dec 2018 15:51

Tgt Ion:105 Resp: 1662332
 Ion Ratio Lower Upper
 105 100
 134 43.5 10.1 30.3#





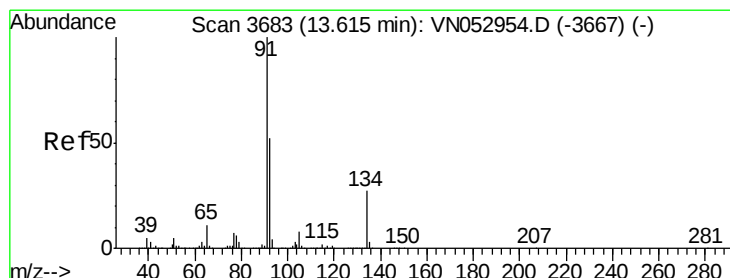
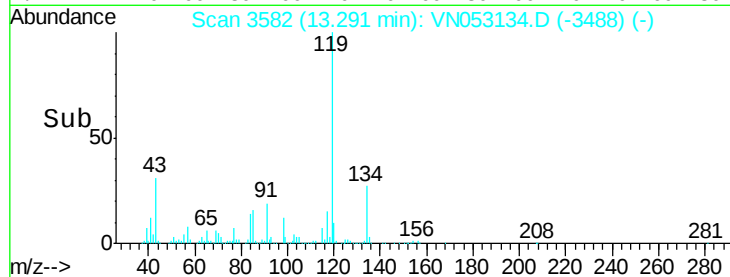
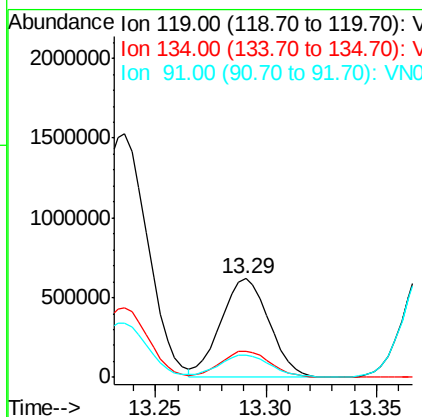
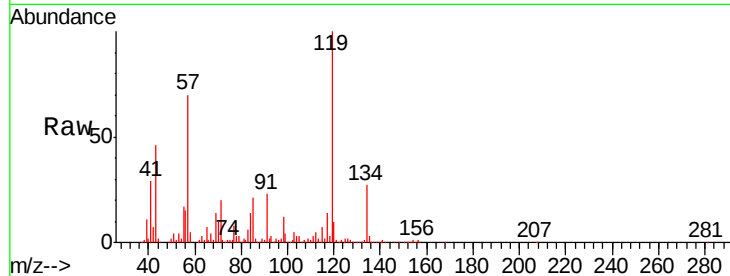
#86
p-Isopropyltoluene
Concen: 20.689 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. 0.00 min
Lab File: VN053134.D
Acq: 22 Dec 2018 15:51

Instrument :
MSVOA_N
ClientSampleId :
KY001SB106-121218-(20-22)-FDME

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.4	40.2
91	22.6	11.1	33.3

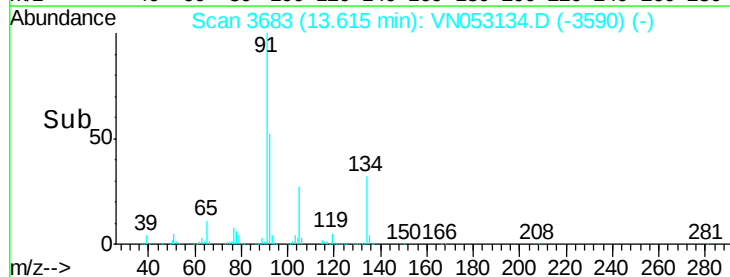
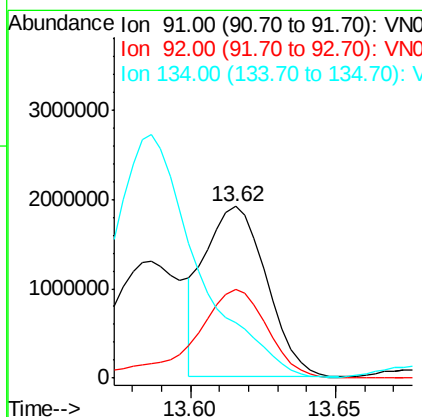
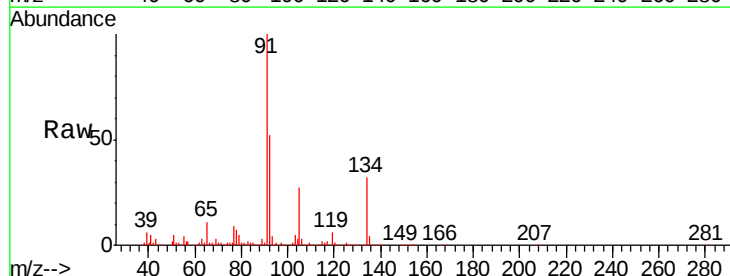
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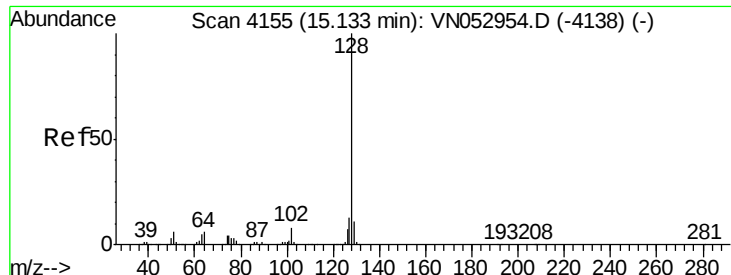
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#89
n-Butylbenzene
Concen: 71.718 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053134.D
Acq: 22 Dec 2018 15:51

Tgt Ion	Ratio	Lower	Upper
91	100		
92	62.2	26.3	78.9
134	0.0	13.3	39.8#





#95
Naphthalene
Concen: 215.571 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053134.D
Acq: 22 Dec 2018 15:51

Instrument :
MSVOA_N
ClientSampleId :
KY001SB106-121218-(20-22)-FDME

Tgt	Ion	Ratio	Lower	Upper
128	100			
127	12.9	10.2	15.4	
129	11.0	8.6	13.0	

Manual Integrations
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