

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022020\
 Data File : VN060167.D
 Acq On : 20 Feb 2020 12:53
 Operator : JC/MD
 Sample : L1589-01 10X
 Misc : 11.95µ/5mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SB3-9.5-10.0

Manual Integrations
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MMDadoda
 2/21/2020 9:14:43 AM

Quant Time: Feb 21 02:59:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	186519	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	294222	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	286756	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	162172	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	109224	48.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.24%	
35) Dibromofluoromethane	7.56	113	88474	48.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.84%	
50) Toluene-d8	10.08	98	369946	51.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.88%	
62) 4-Bromofluorobenzene	12.40	95	150656	57.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.14%	
Target Compounds						
					Qvalue	
31) Cyclohexane	7.63	56	36703	11.434	ug/l #	95
39) Methylcyclohexane	9.06	83	130498	38.576	ug/l	98
40) Benzene	8.02	78	34781	4.302	ug/l	99
52) Toluene	10.14	92	450056	86.817	ug/l	98
67) Ethyl Benzene	11.50	91	815670	77.411	ug/l	100
68) m/p-Xylenes	11.61	106	837296	211.724	ug/l	100
69) o-Xylene	11.94	106	406239	106.689	ug/l	99
73) Isopropylbenzene	12.24	105	419165	34.613	ug/l	100
78) n-propylbenzene	12.59	91	719862	52.174	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	352679	35.026	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	1494921	150.403	ug/l	99
85) sec-Butylbenzene	13.17	105	535374	45.385	ug/l	96
86) p-Isopropyltoluene	13.28	119	210810	19.724	ug/l	99
89) n-Butylbenzene	13.61	91	248859m	26.472	ug/l	
95) Naphthalene	15.13	128	340821	41.245	ug/l	97

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

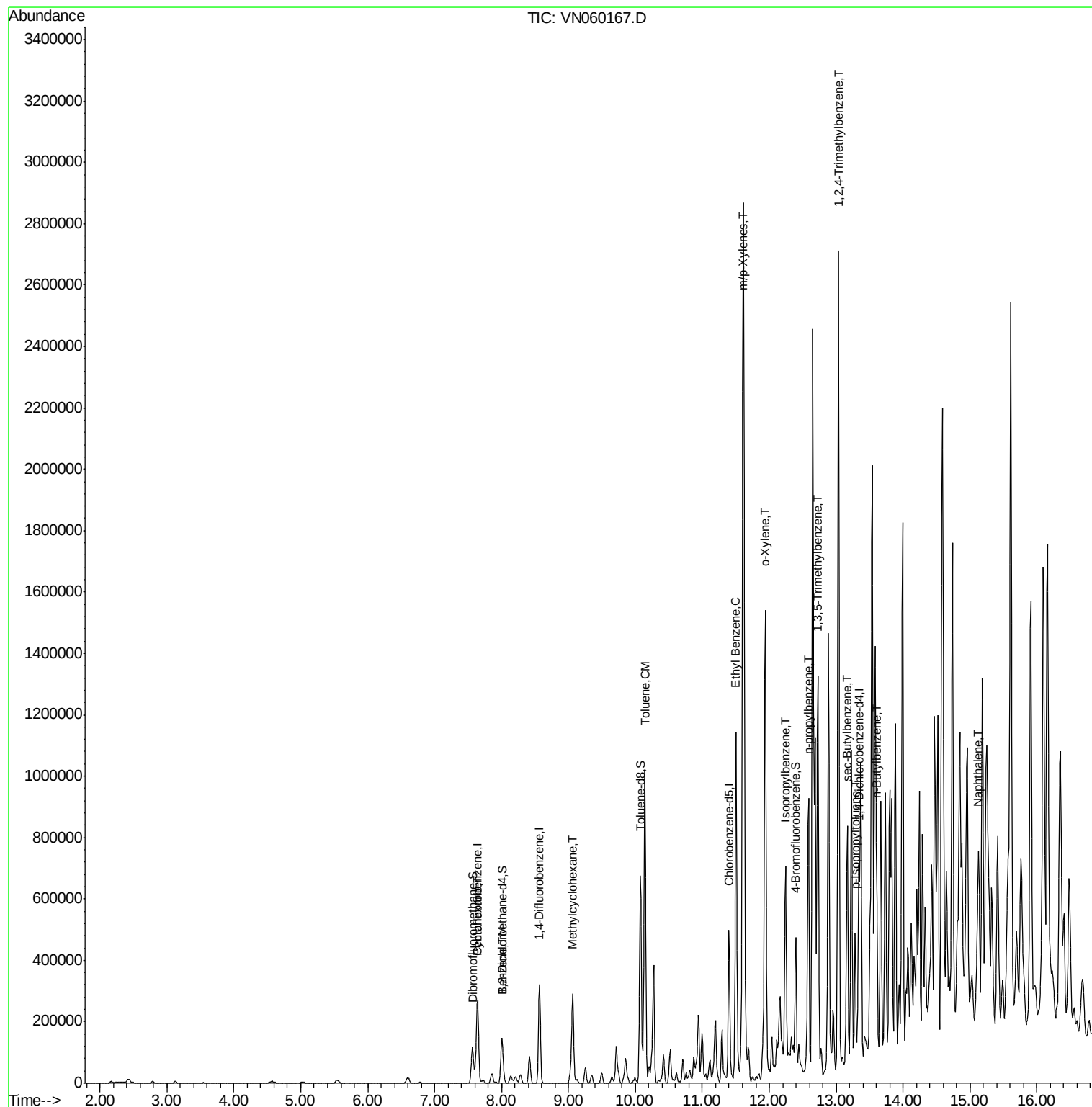
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN022020\
Data File : VN060167.D
Acq On : 20 Feb 2020 12:53
Operator : JC/MD
Sample : L1589-01 10X
Misc : 11.95µ/5mL/100µL/5.00mL/MSVOA_N/MEOH
ALS Vial : 8 Sample Multiplier: 1

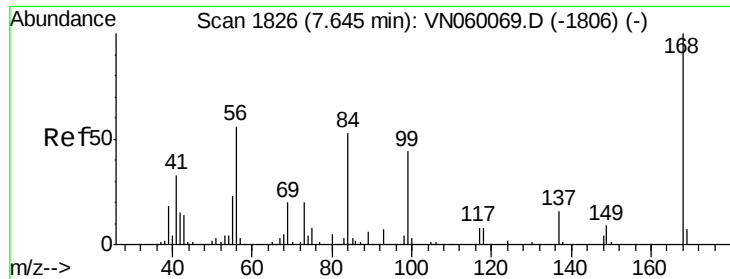
Instrument :
MSVOA_N
ClientSampleId :
SB3-9.5-10.0

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2/21/2020 9:14:43 AM

Quant Time: Feb 21 02:59:27 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 12 14:12:21 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060167.D

Acq: 20 Feb 2020 12:53

Instrument :

MSVOA_N

ClientSampleId :

SB3-9.5-10.0

Tot Ion:168 Resp: 186519

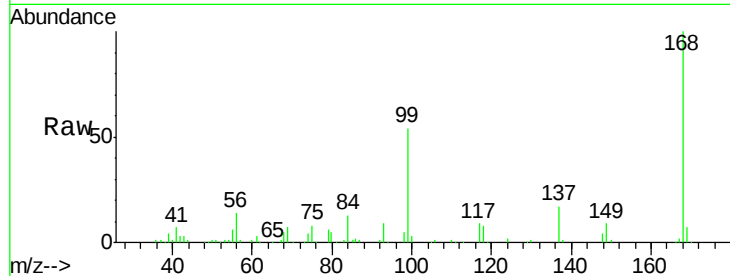
Ion Ratio Lower Upper

168 100

99 54.0 42.7 64.1

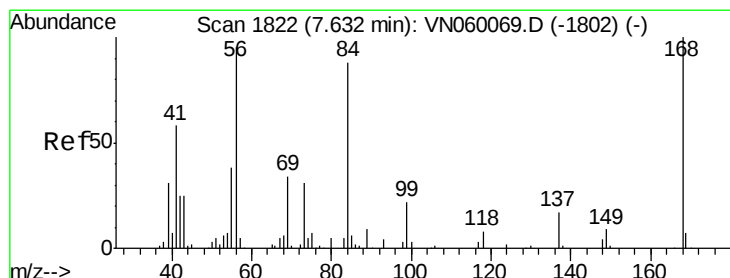
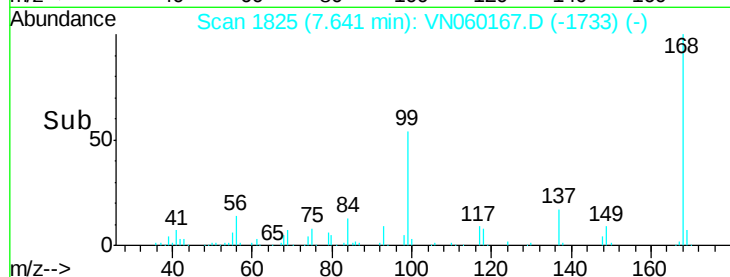
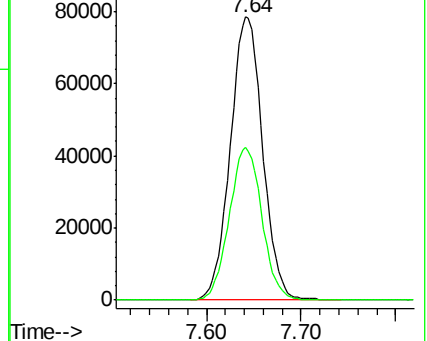
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#31

Cyclohexane

Concen: 11.434 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN060167.D

Acq: 20 Feb 2020 12:53

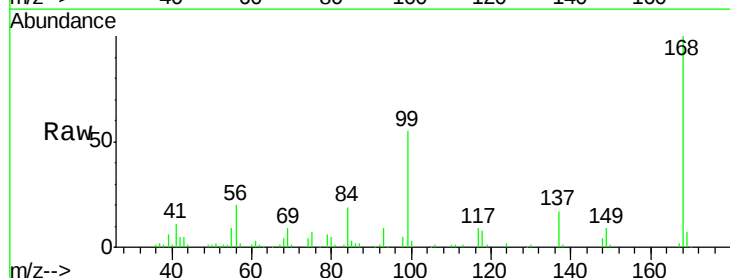
Tgt Ion: 56 Resp: 36703

Ion Ratio Lower Upper

56 100

69 43.2 28.3 42.5#

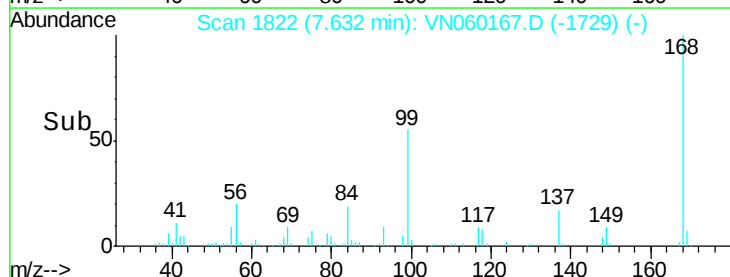
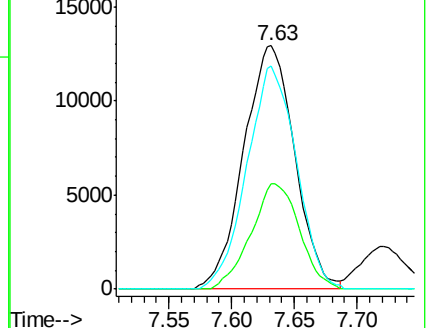
84 91.9 72.6 108.8

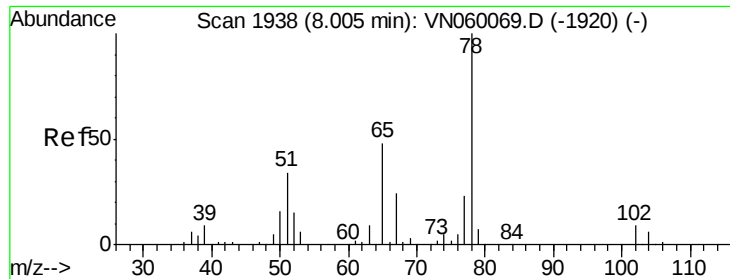


Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 69.00 (68.70 to 69.70): VN

Ion 84.00 (83.70 to 84.70): VN





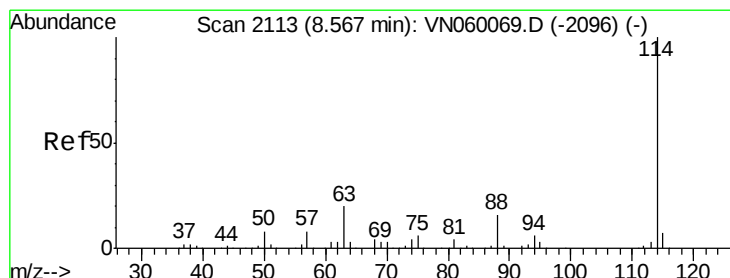
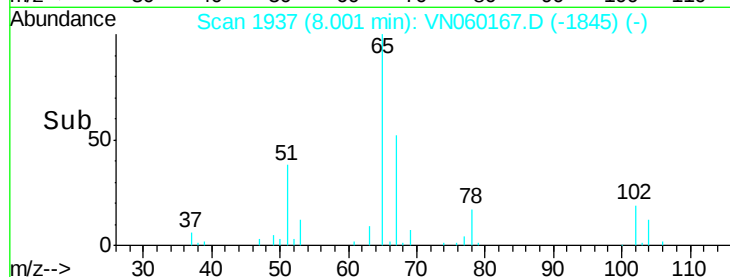
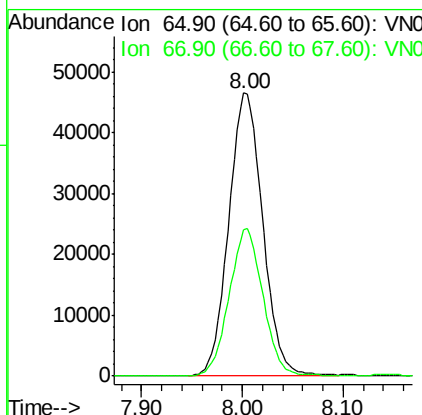
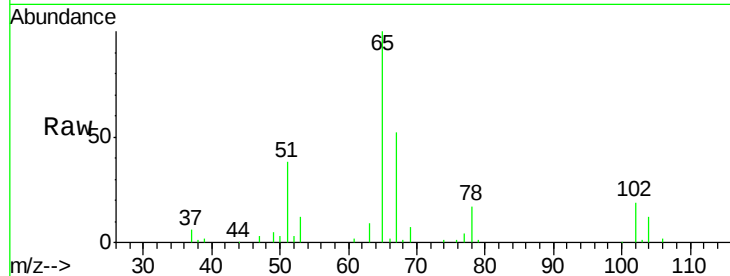
#33
 1,2-Dichloroethane-d4
 Concen: 48.124 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060167.D
 Acq: 20 Feb 2020 12:53

Instrument :
 MSVOA_N
 ClientSampled :
 SB3-9.5-10.0

Tot Ion	Ratio	Resp	Lower	Upper
65	100	109224		
67	51.7	0.0	104.0	

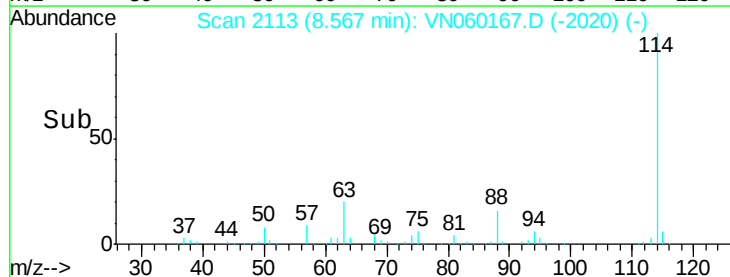
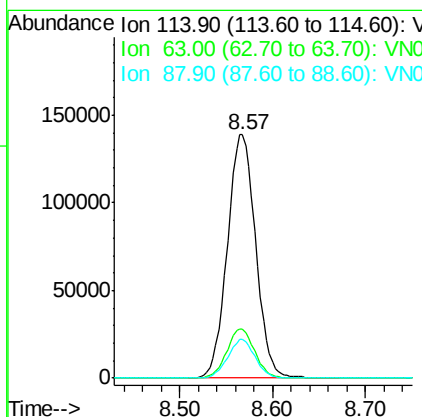
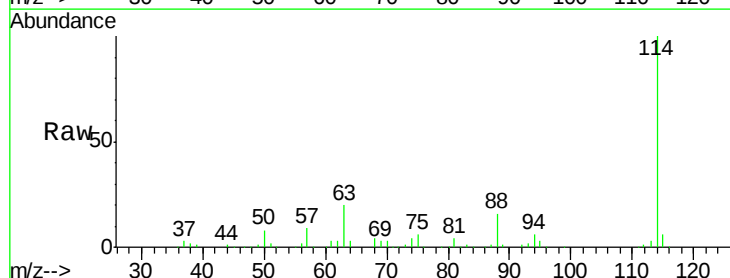
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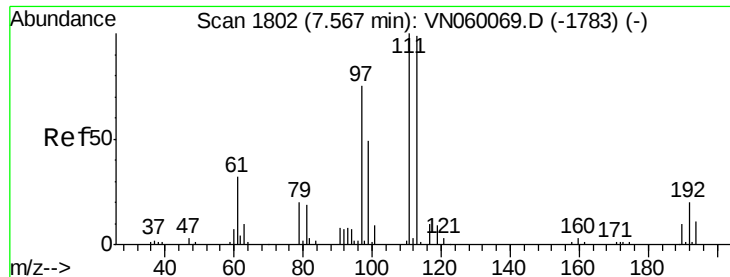
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060167.D
 Acq: 20 Feb 2020 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	294222		
63	20.2	0.0	40.0	
88	16.0	0.0	31.6	





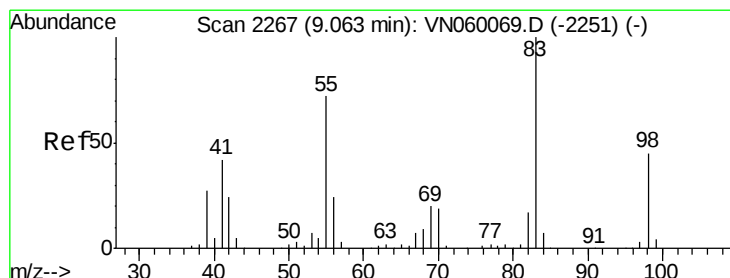
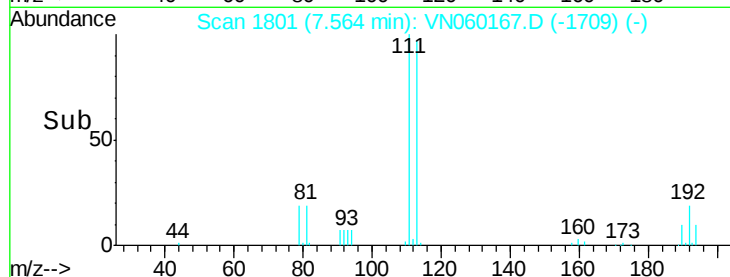
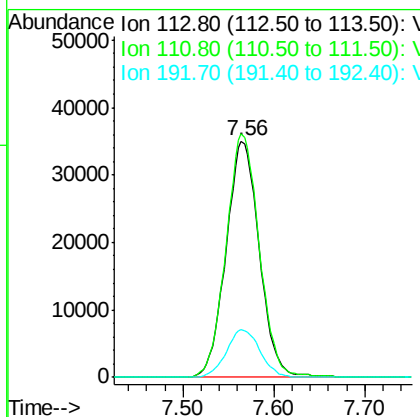
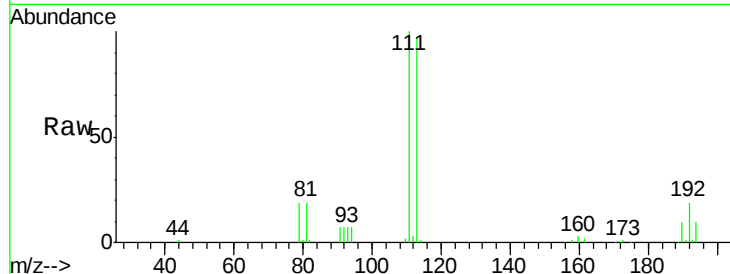
#35
Dibromofluoromethane
Concen: 48.919 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.00 min
Lab File: VN060167.D
Acq: 20 Feb 2020 12:53

Instrument :
MSVOA_N
ClientSampleId :
SB3-9.5-10.0

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.4	122.2
192	20.4	16.2	24.2

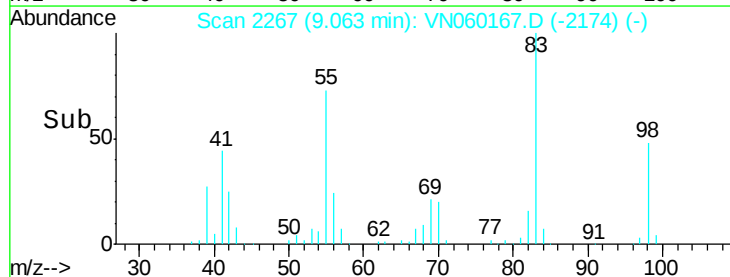
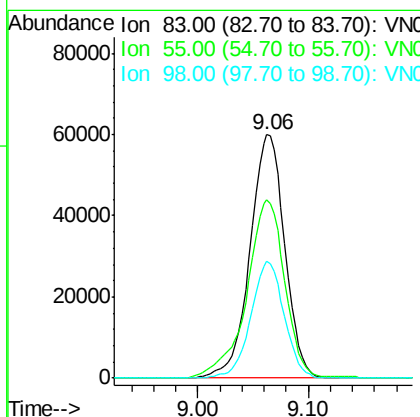
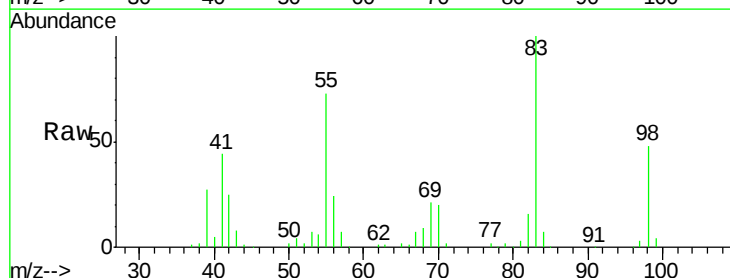
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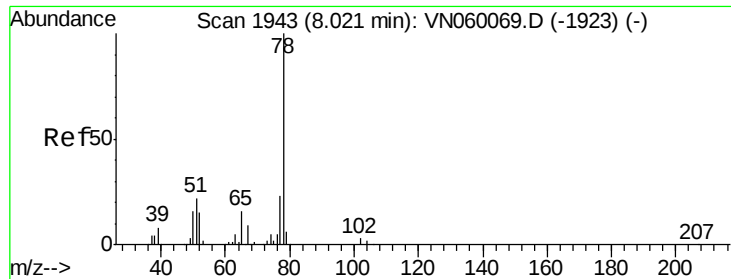
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#39
Methylcyclohexane
Concen: 38.576 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN060167.D
Acq: 20 Feb 2020 12:53

Tgt Ion	Ratio	Lower	Upper
83	100		
55	72.8	57.8	86.8
98	48.0	36.4	54.6





#40

Benzene

Concen: 4.302 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN060167.D

Acq: 20 Feb 2020 12:53

Instrument :

MSVOA_N

ClientSampled :

SB3-9.5-10.0

Tot Ion: 78 Resp: 34781

Ion Ratio Lower Upper

78 100

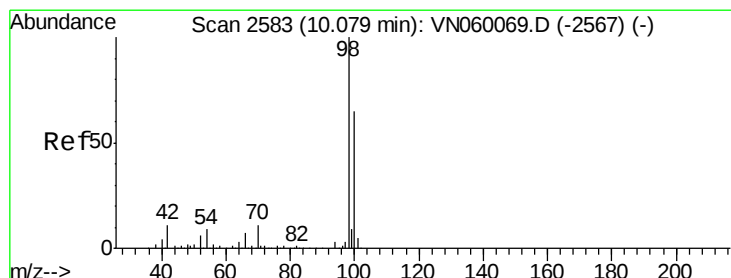
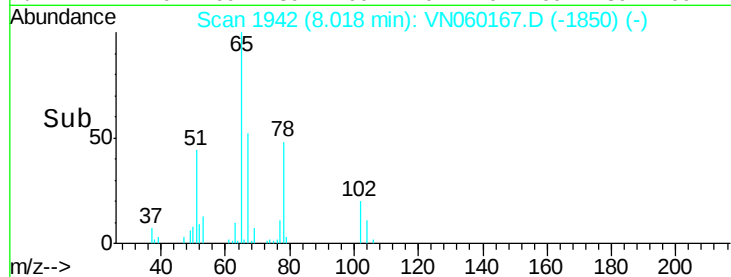
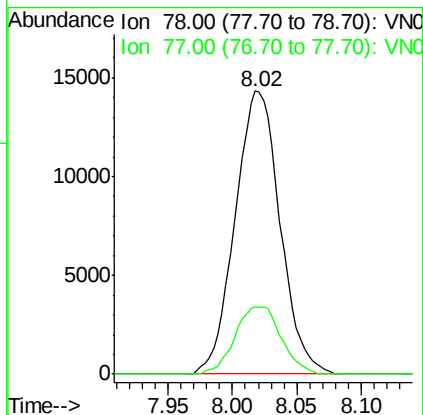
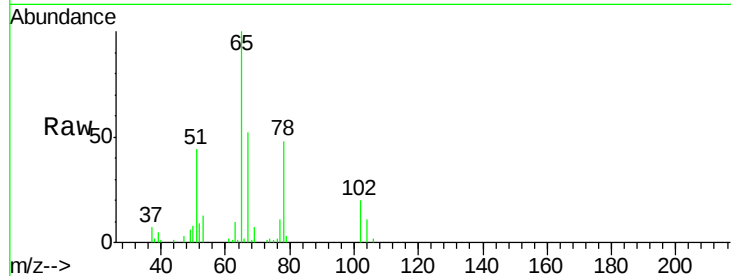
77 23.8 18.8 28.2

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#50

Toluene-d8

Concen: 51.943 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060167.D

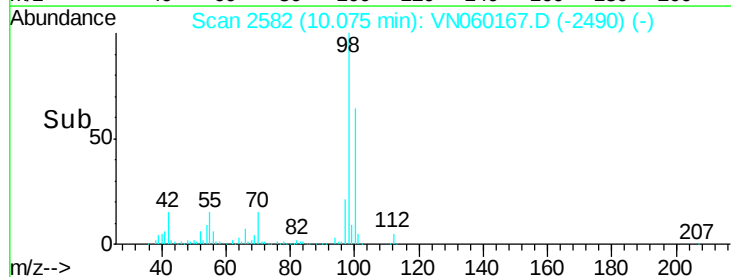
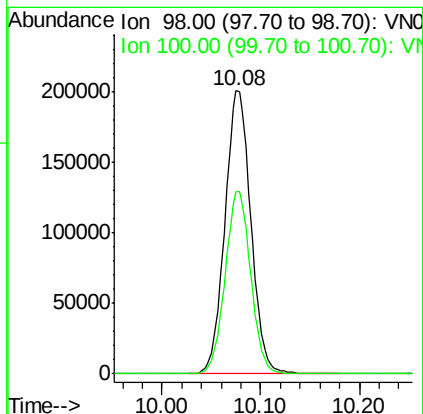
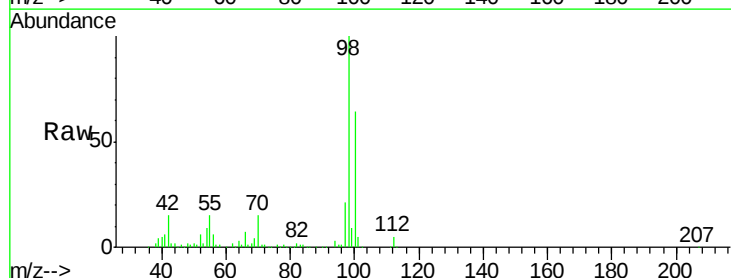
Acq: 20 Feb 2020 12:53

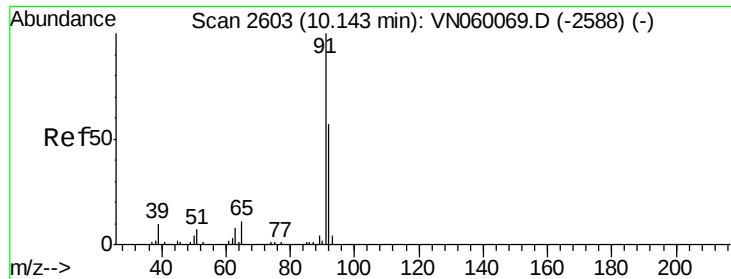
Tgt Ion: 98 Resp: 369946

Ion Ratio Lower Upper

98 100

100 63.5 51.7 77.5





#52

Toluene

Concen: 86.817 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN060167.D

Acq: 20 Feb 2020 12:53

Instrument :

MSVOA_N

ClientSampleId :

SB3-9.5-10.0

Tot Ion: 92 Resp: 450056

Ion Ratio Lower Upper

92 100

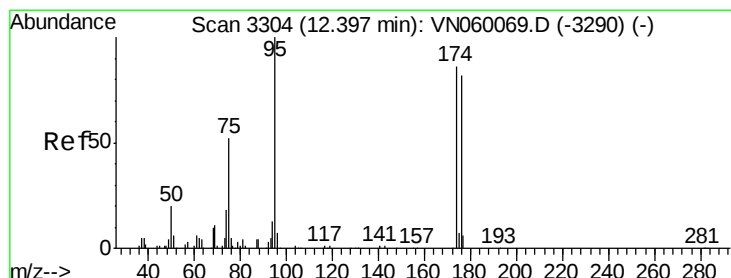
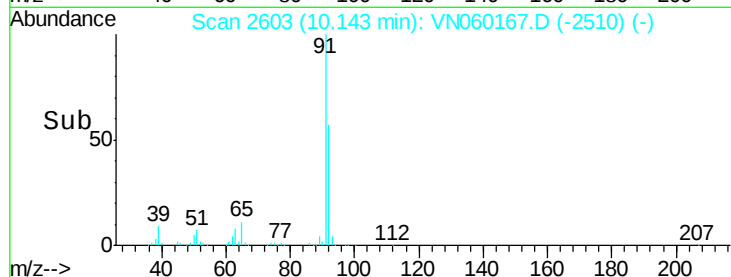
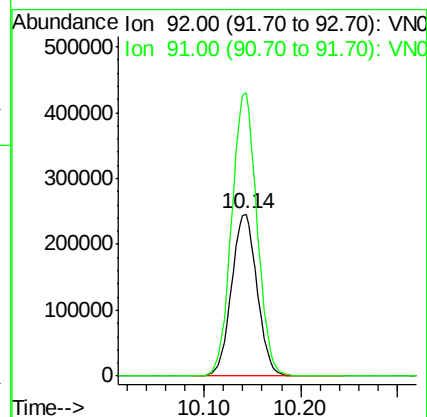
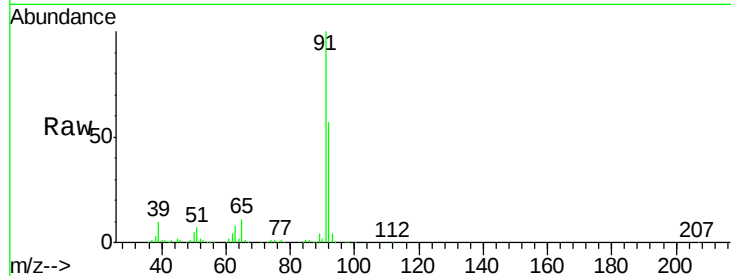
91 173.7 140.9 211.3

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 57.567 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060167.D

Acq: 20 Feb 2020 12:53

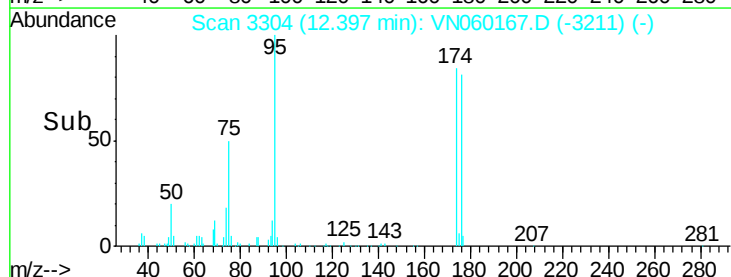
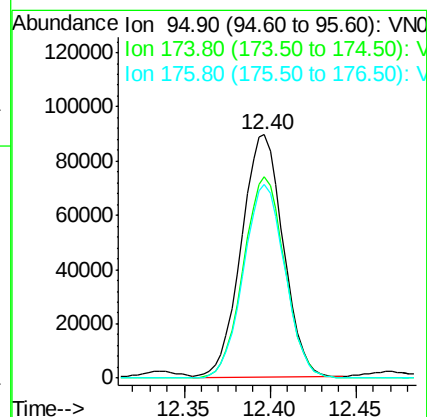
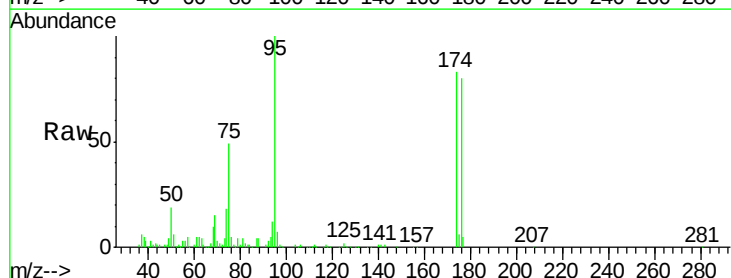
Tgt Ion: 95 Resp: 150656

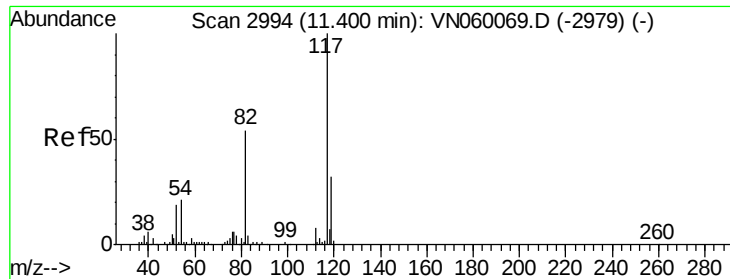
Ion Ratio Lower Upper

95 100

174 82.6 0.0 169.8

176 79.6 0.0 164.8





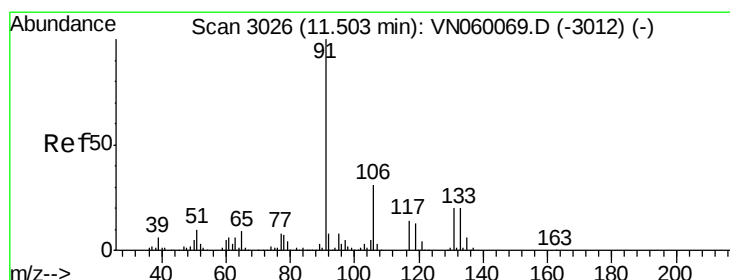
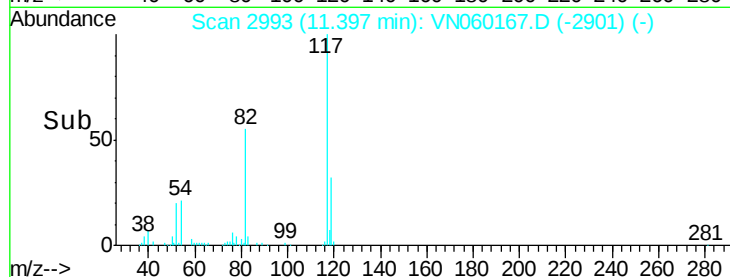
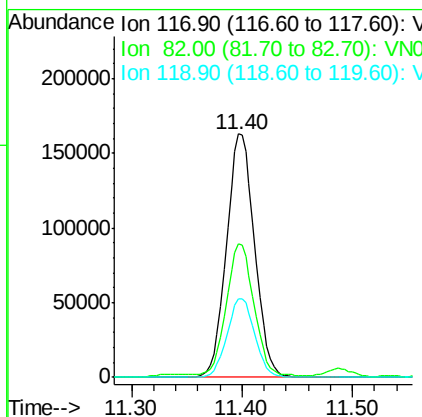
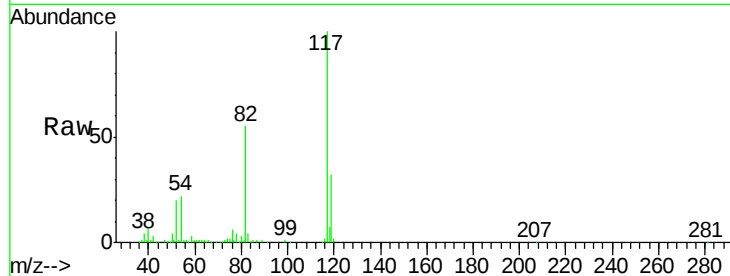
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. -0.00 min
Lab File: VN060167.D
Acq: 20 Feb 2020 12:53

Instrument :
MSVOA_N
ClientSampleId :
SB3-9.5-10.0

Tot Ion	Ratio	Resp	Lower	Upper
117	100	286756		
82	53.5		43.4	65.0
119	32.2		25.8	38.6

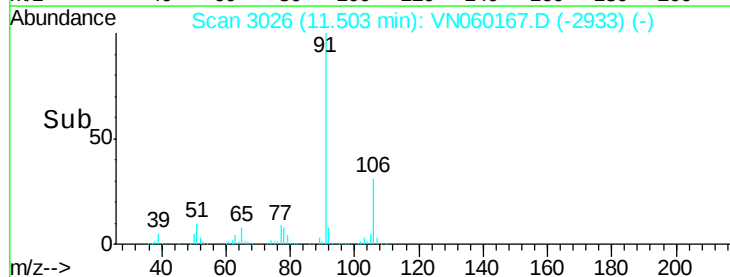
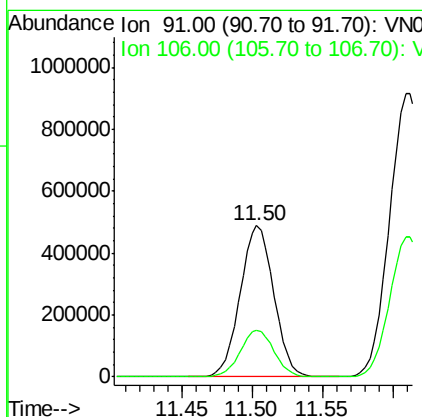
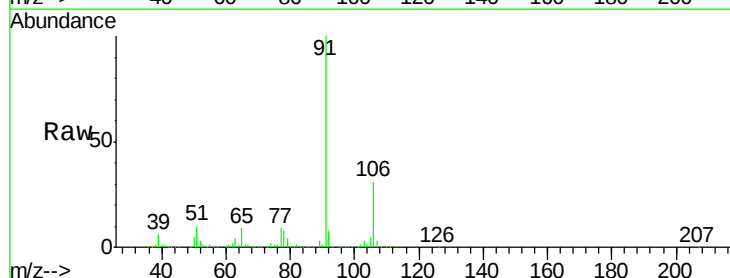
Manual Integrations
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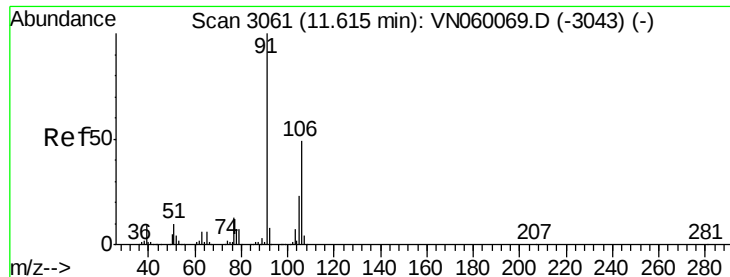
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#67
Ethyl Benzene
Concen: 77.411 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. -0.00 min
Lab File: VN060167.D
Acq: 20 Feb 2020 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	815670		
106	31.2		25.1	37.7





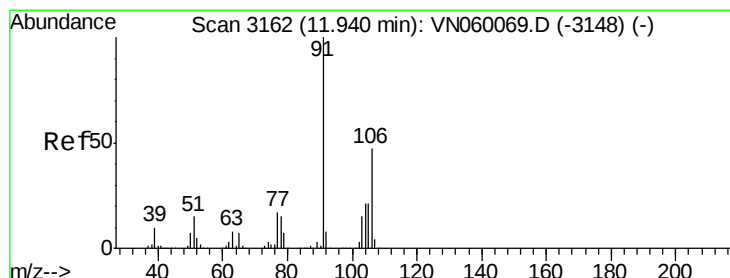
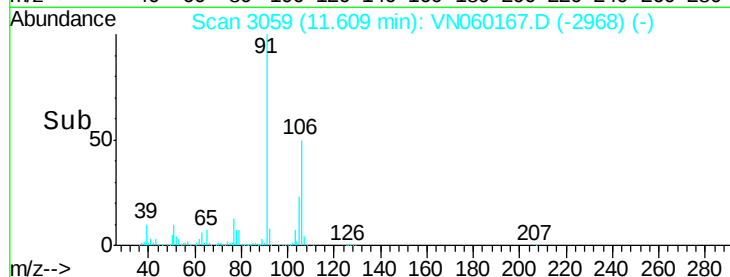
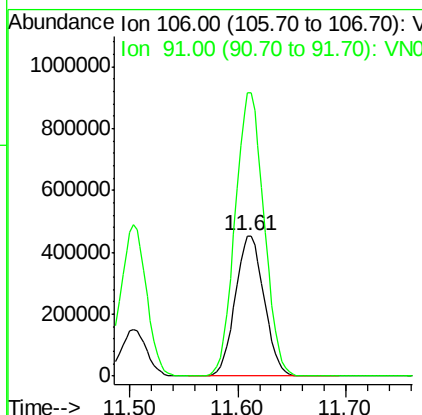
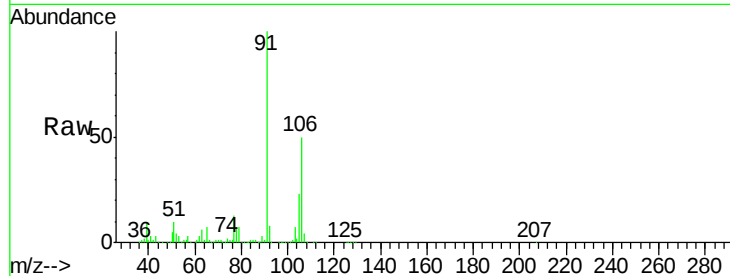
#68
m/p-Xylenes
Concen: 211.724 ug/l
RT: 11.61 min Scan# 3059
Delta R.T. -0.01 min
Lab File: VN060167.D
Acq: 20 Feb 2020 12:53

Instrument :
MSVOA_N
ClientSampleId :
SB3-9.5-10.0

Tot Ion:106 Resp: 837296
Ion Ratio Lower Upper
106 100
91 203.0 162.7 244.1

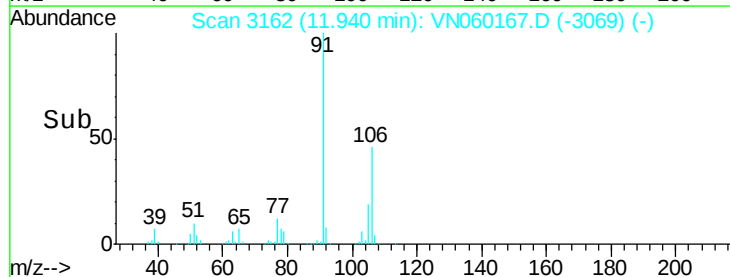
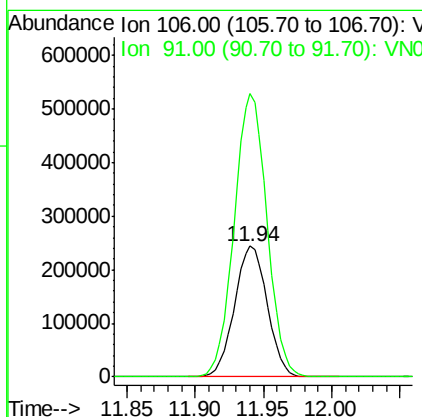
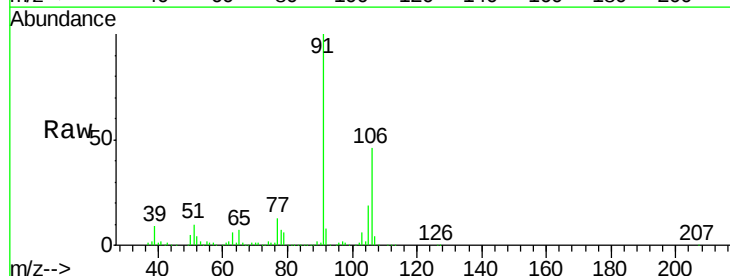
Manual Integrations
APPROVED

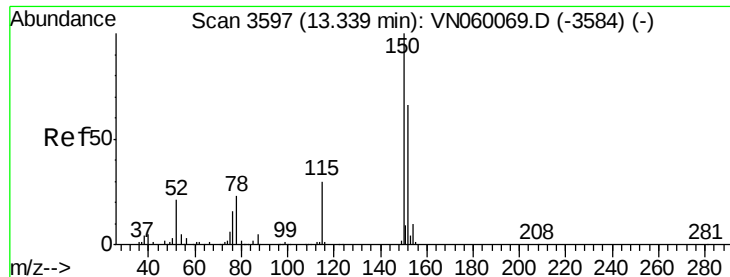
MMDadoda
2/21/2020 9:14:43 AM



#69
o-Xylene
Concen: 106.689 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN060167.D
Acq: 20 Feb 2020 12:53

Tgt Ion:106 Resp: 406239
Ion Ratio Lower Upper
106 100
91 216.1 107.2 321.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060167.D

Acq: 20 Feb 2020 12:53

Instrument :

MSVOA_N

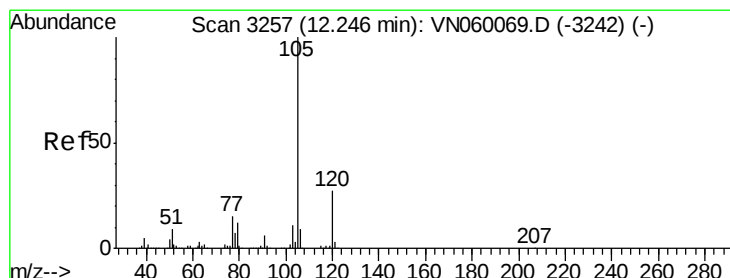
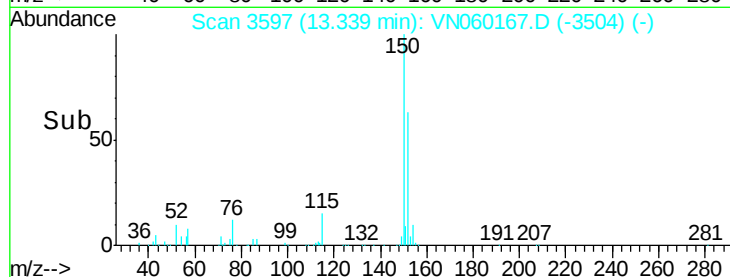
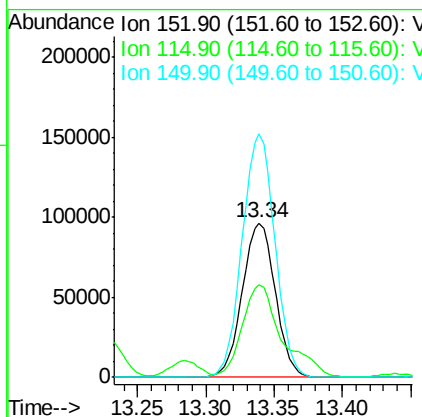
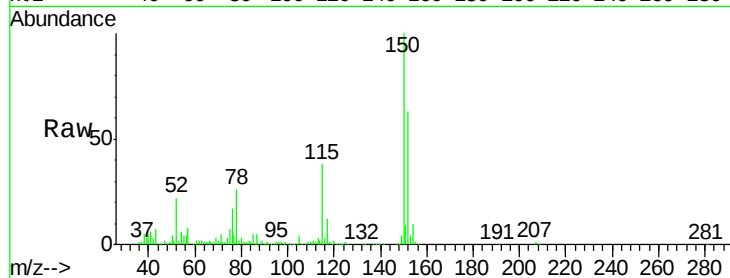
ClientSampleId :

SB3-9.5-10.0

Tot Ion:	152	Resp:	162172
Ion Ratio	Lower	Upper	
152	100		
115	71.5	28.9	86.8
150	156.5	0.0	342.4

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#73

Isopropylbenzene

Concen: 34.613 ug/l

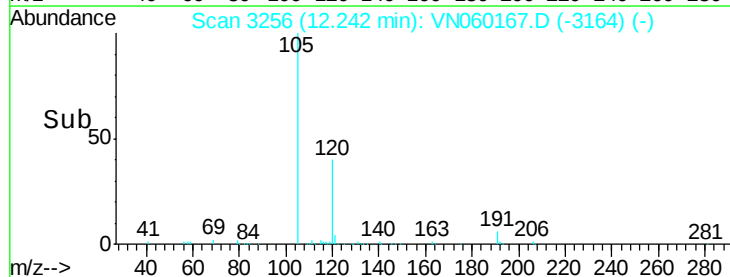
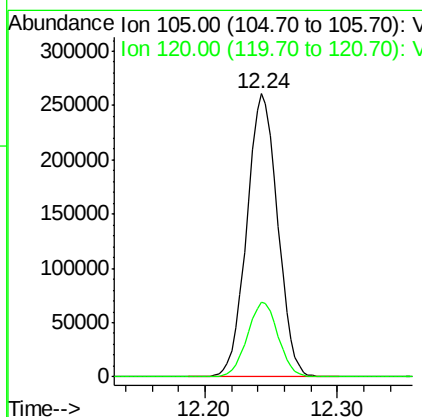
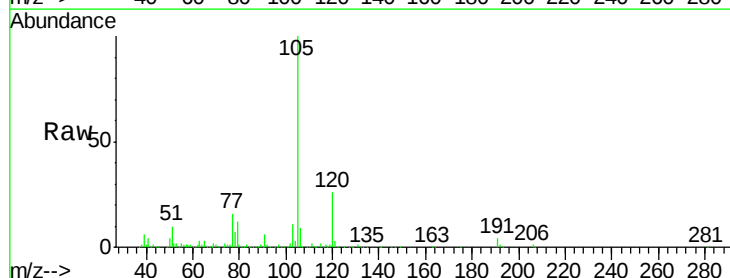
RT: 12.24 min Scan# 3256

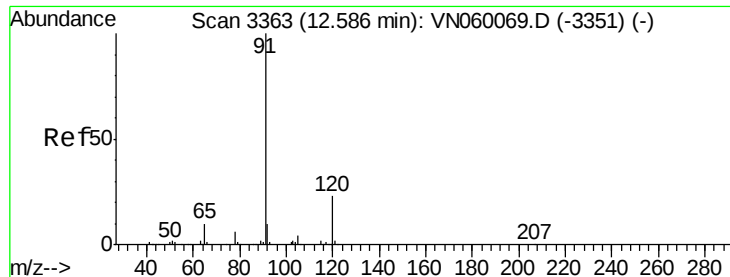
Delta R.T. -0.00 min

Lab File: VN060167.D

Acq: 20 Feb 2020 12:53

Tgt Ion:	105	Resp:	419165
Ion Ratio	Lower	Upper	
105	100		
120	26.5	13.3	39.8





#78

n-propylbenzene

Concen: 52.174 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN060167.D

Acq: 20 Feb 2020 12:53

Instrument :

MSVOA_N

ClientSampled :

SB3-9.5-10.0

Tot Ion: 91 Resp: 719862

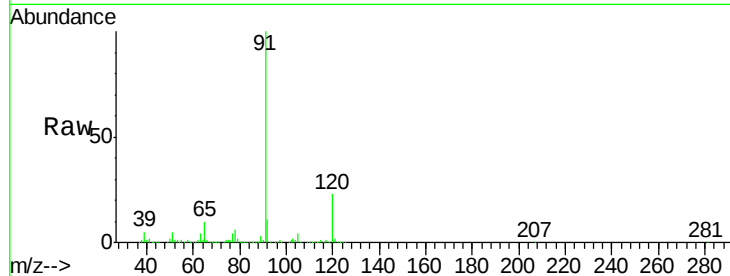
Ion Ratio Lower Upper

91 100

120 22.8 11.5 34.5

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Abundance Ion 91.00 (90.70 to 91.70): VN060167.D (-3270) (-)

Ion 120.00 (119.70 to 120.70): VN060167.D (-3270) (-)

12.59

400000

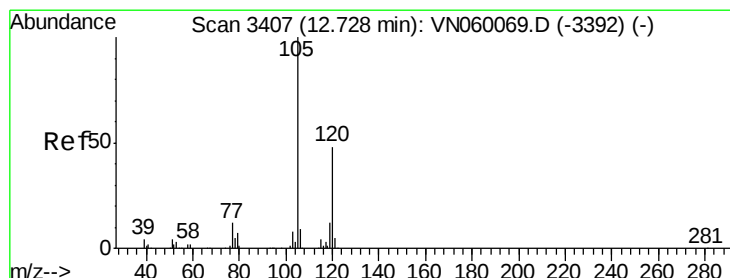
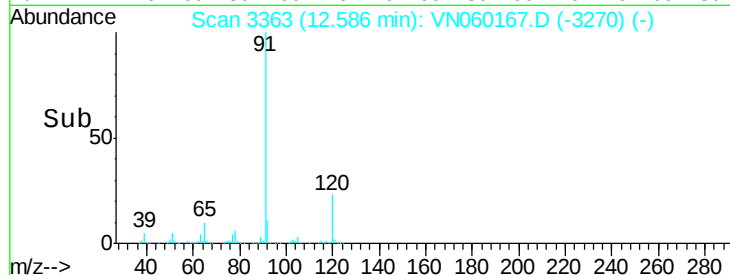
300000

200000

100000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 35.026 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN060167.D

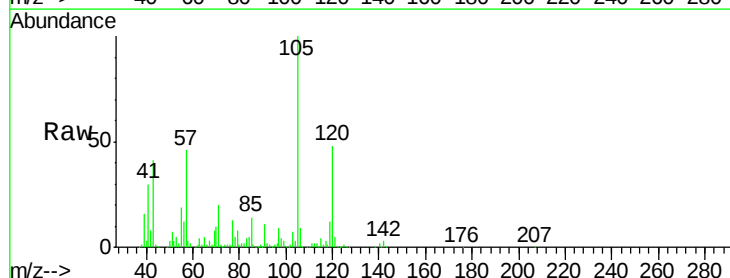
Acq: 20 Feb 2020 12:53

Tgt Ion: 105 Resp: 352679

Ion Ratio Lower Upper

105 100

120 49.5 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VN060167.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN060167.D (-3314) (-)

12.73

1000000

800000

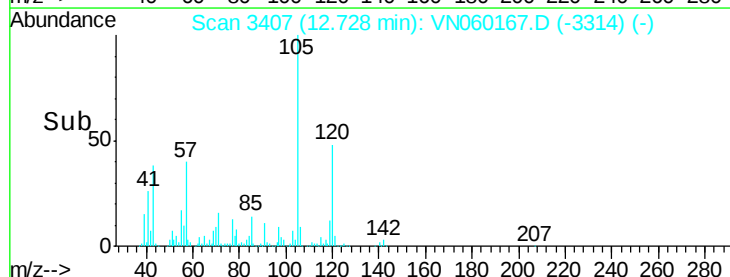
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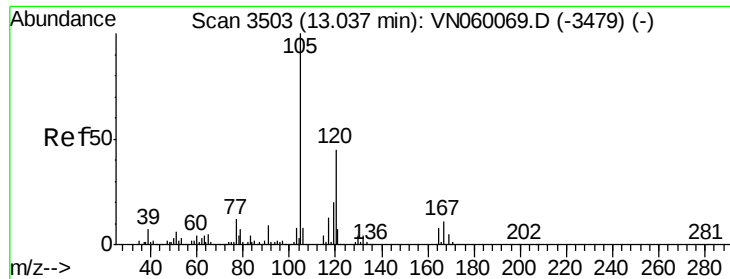
400000

200000

0

Time-->





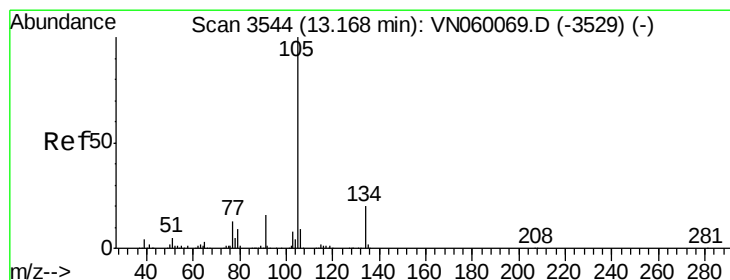
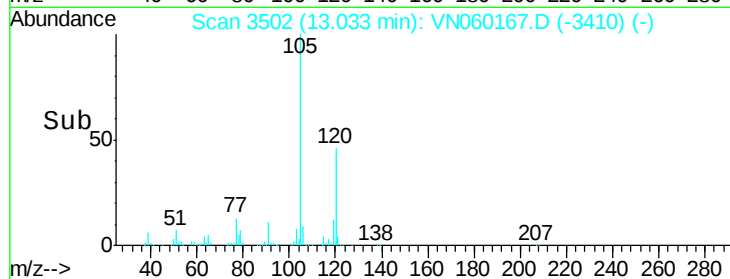
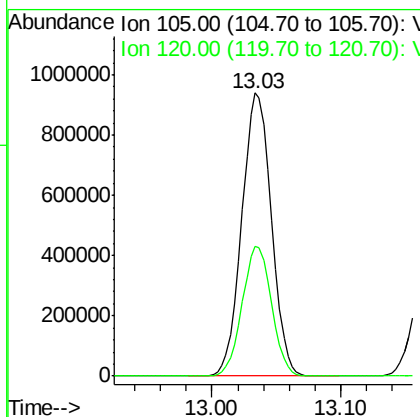
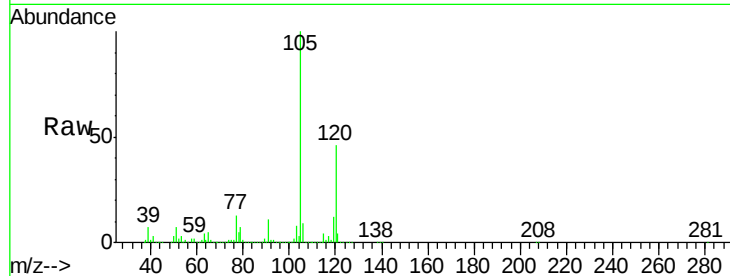
#84
 1,2,4-Trimethylbenzene
 Concen: 150.403 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. -0.00 min
 Lab File: VN060167.D
 Acq: 20 Feb 2020 12:53

Instrument :
 MSVOA_N
 ClientSampleId :
 SB3-9.5-10.0

Tot Ion:105 Resp: 1494921
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.4 67.3

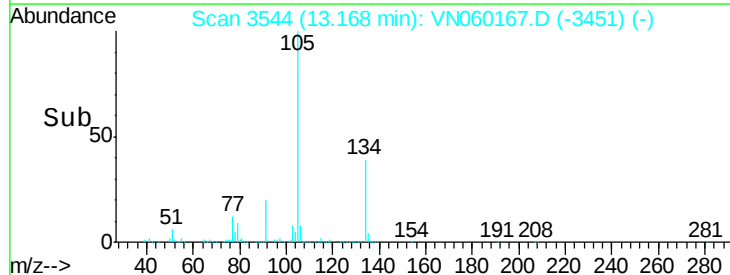
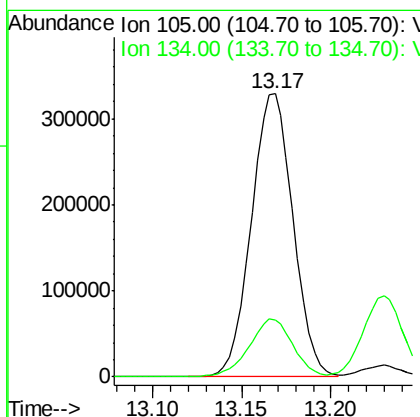
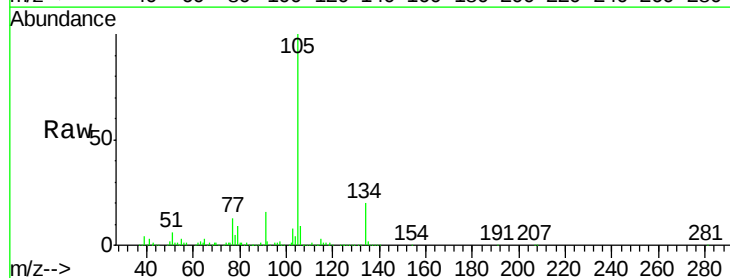
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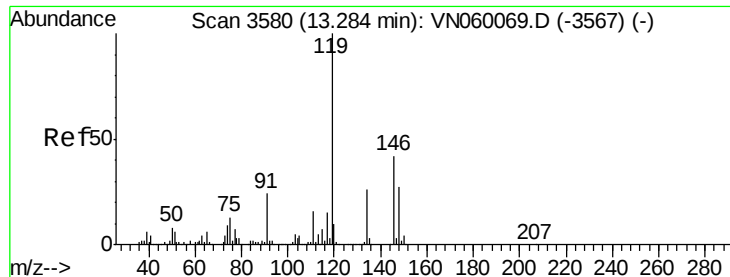
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 2/21/2020 9:14:43 AM



#85
 sec-Butylbenzene
 Concen: 45.385 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060167.D
 Acq: 20 Feb 2020 12:53

Tgt Ion:105 Resp: 535374
 Ion Ratio Lower Upper
 105 100
 134 21.5 9.9 29.7





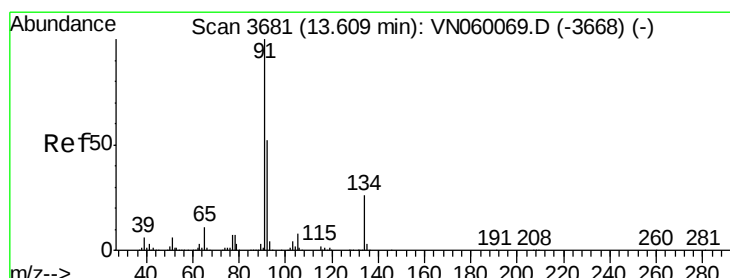
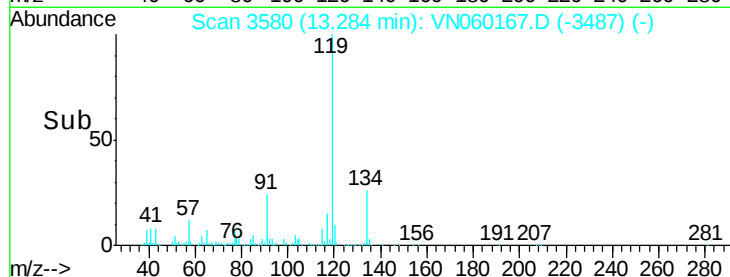
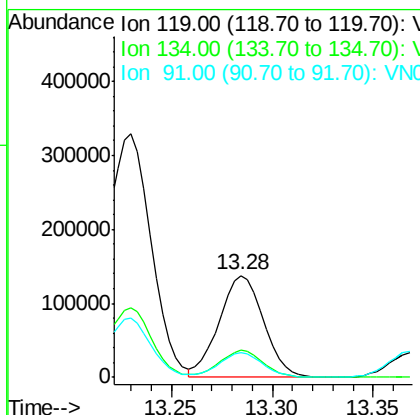
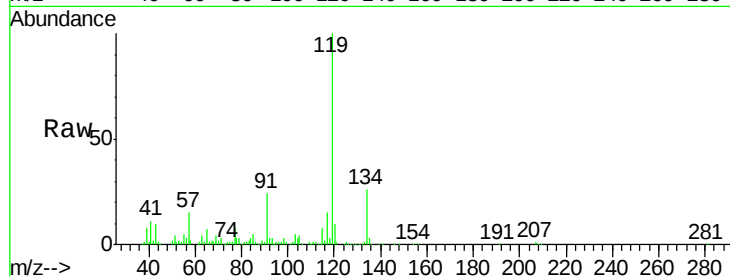
#86
p-Isopropyltoluene
Concen: 19.724 ug/l
RT: 13.28 min Scan# 3580
Delta R.T. 0.00 min
Lab File: VN060167.D
Acq: 20 Feb 2020 12:53

Instrument :
MSVOA_N
ClientSampleId :
SB3-9.5-10.0

Tot Ion	Ratio	Resp	Lower	Upper
119	100	210810		
134	26.2	13.3	39.8	
91	23.4	11.9	35.9	

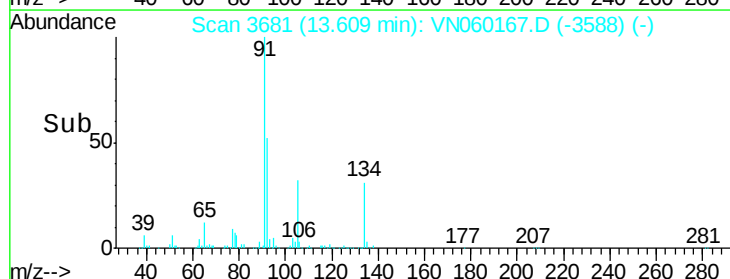
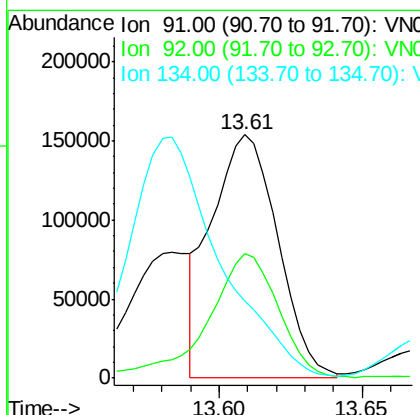
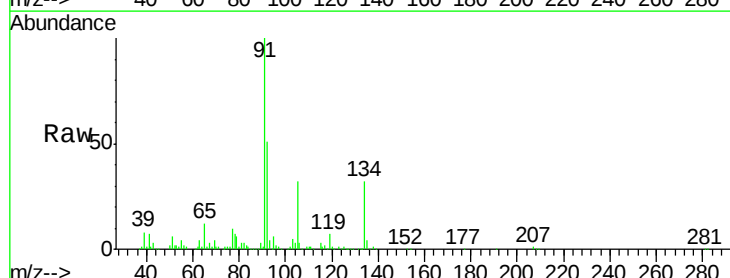
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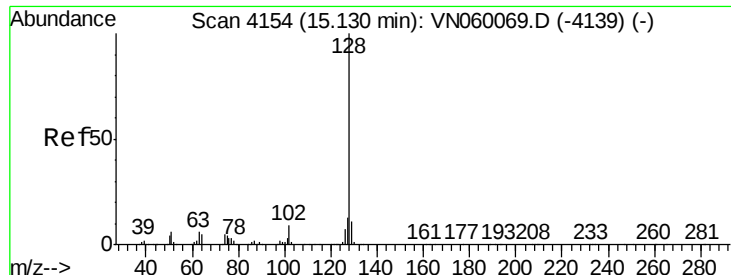
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#89
n-Butylbenzene
Concen: 26.472 ug/l m
RT: 13.61 min Scan# 3681
Delta R.T. -0.00 min
Lab File: VN060167.D
Acq: 20 Feb 2020 12:53

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	248859		
92	53.2	26.1	78.2	
134	0.0	13.1	39.3#	





#95
Naphthalene
Concen: 41.245 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN060167.D
Acq: 20 Feb 2020 12:53

Instrument :
MSVOA_N
ClientSampleId :
SB3-9.5-10.0

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	13.5	10.3	15.5
129	12.8	8.6	13.0

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2/21/2020 9:14:43 AM

