

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062520\
 Data File : VN062118.D
 Acq On : 25 Jun 2020 18:05
 Operator : JC/MD
 Sample : L3071-04
 Misc : 10.62g/5.0mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SB-B

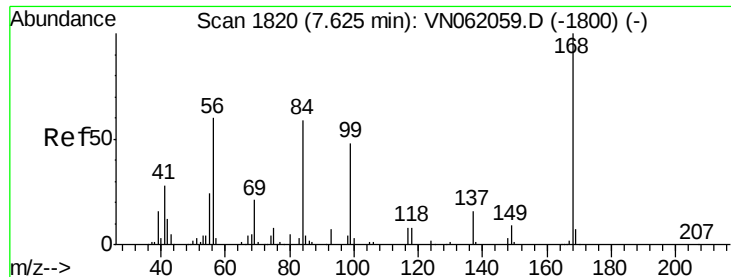
Manual Integrations
 APPROVED

MMDadoda
 6/26/2020 7:01:22 PM

Quant Time: Jun 26 06:48:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 24 15:33:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	243305	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	444681	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	491071	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	253055	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.98	65	154646	45.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.58%	
35) Dibromofluoromethane	7.54	113	127395	44.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.32%	
50) Toluene-d8	10.06	98	661163	57.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.96%	
62) 4-Bromofluorobenzene	12.38	95	290162	75.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	150.62%	
Target Compounds						
					Qvalue	
31) Cyclohexane	7.59	56	766923m	162.577	ug/l	
39) Methylcyclohexane	9.04	83	619986	126.595	ug/l #	62
40) Benzene	8.00	78	86290	6.334	ug/l	95
52) Toluene	10.12	92	491172	59.089	ug/l	100
67) Ethyl Benzene	11.48	91	4755167	261.089	ug/l #	86
68) m/p-Xylenes	11.60	106	2674738	379.696	ug/l	90
69) o-Xylene	11.92	106	160244	24.110	ug/l	96
73) Isopropylbenzene	12.22	105	2890735	147.573	ug/l	99
78) n-propylbenzene	12.57	91	4703033	209.897	ug/l	93
80) 1,3,5-Trimethylbenzene	12.71	105	2878752	181.288	ug/l	97
84) 1,2,4-Trimethylbenzene	13.01	105	4730330	298.265	ug/l	89
85) sec-Butylbenzene	13.15	105	455560	25.369	ug/l #	54
86) p-Isopropyltoluene	13.26	119	134953	8.578	ug/l	97
89) n-Butylbenzene	13.59	91	865704m	66.187	ug/l	
95) Naphthalene	15.10	128	1221018	97.136	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1818

Delta R.T. -0.01 min

Lab File: VN062118.D

Acq: 25 Jun 2020 18:05

Instrument :

MSVOA_N

ClientSampled :

SB-B

Tot Ion:168 Resp: 243305

Ion Ratio Lower Upper

168 100

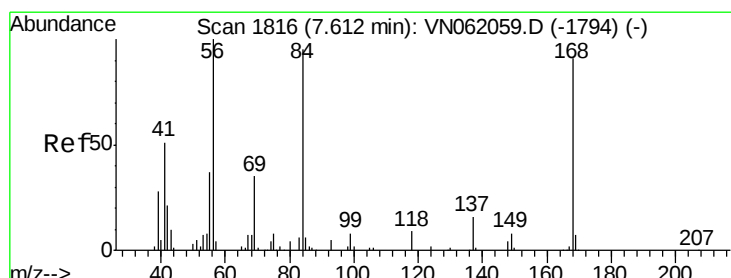
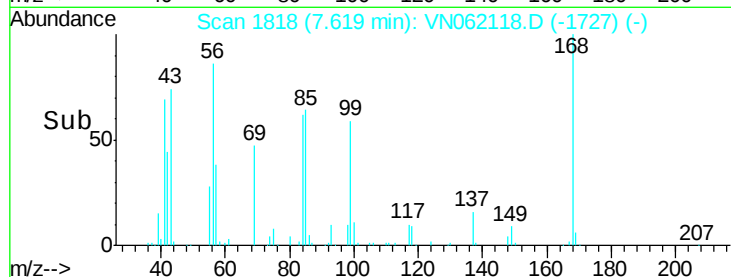
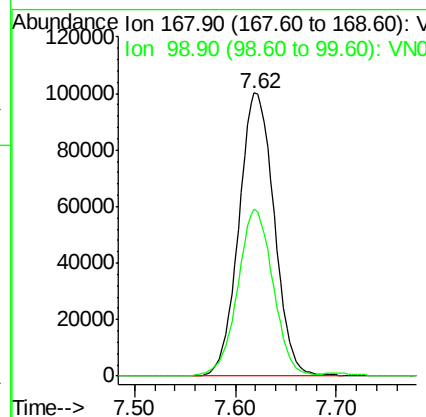
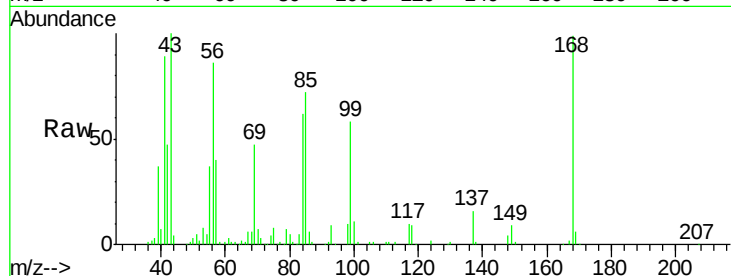
99 58.8 45.8 68.8

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#31

Cyclohexane

Concen: 162.577 ug/l m

RT: 7.59 min Scan# 1809

Delta R.T. -0.02 min

Lab File: VN062118.D

Acq: 25 Jun 2020 18:05

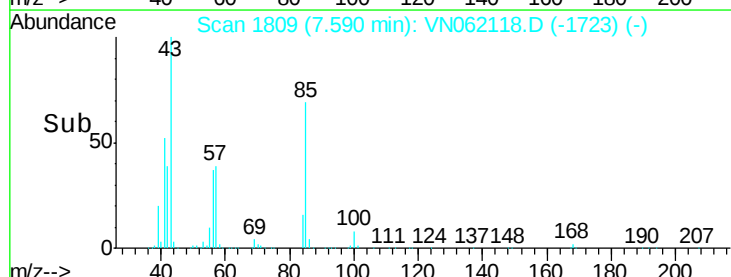
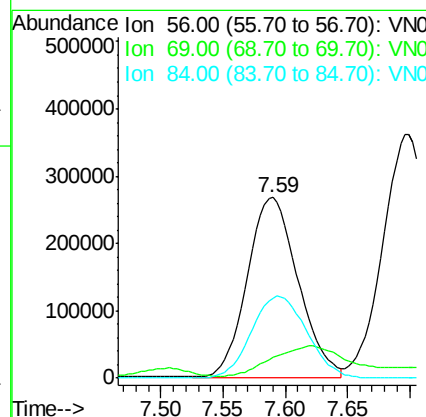
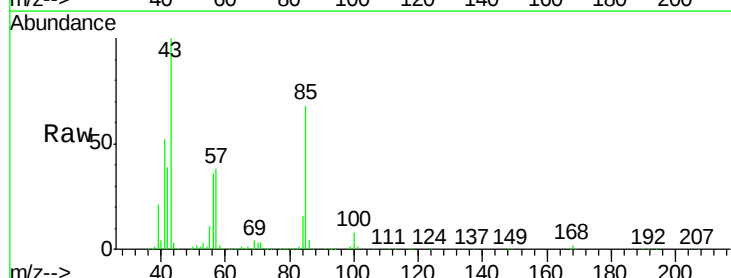
Tgt Ion: 56 Resp: 766923

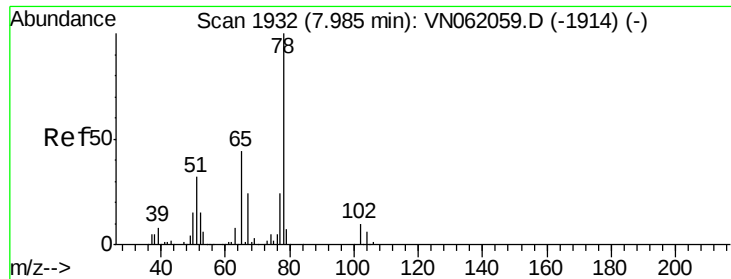
Ion Ratio Lower Upper

56 100

69 11.3 28.0 42.0#

84 44.6 76.1 114.1#





#33

1,2-Dichloroethane-d4

Concen: 45.292 ug/l

RT: 7.98 min Scan# 1931

Delta R.T. -0.00 min

Lab File: VN062118.D

Acq: 25 Jun 2020 18:05

Instrument :

MSVOA_N

ClientSampled :

SB-B

Tot Ion: 65 Resp: 154646

Ion Ratio Lower Upper

65 100

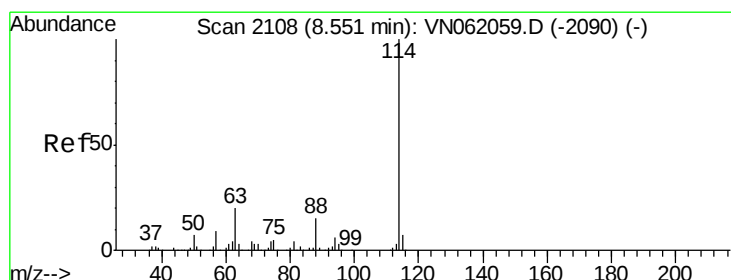
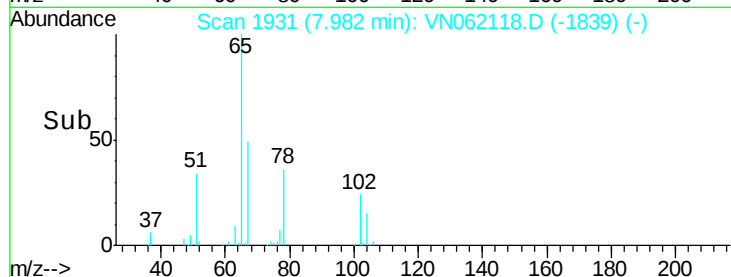
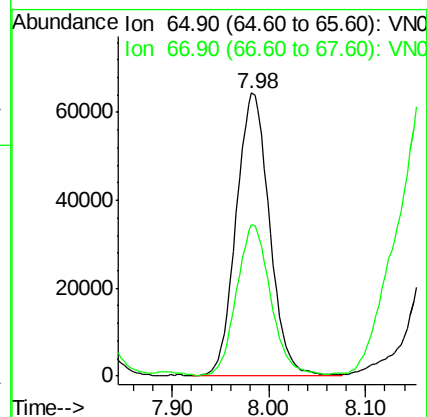
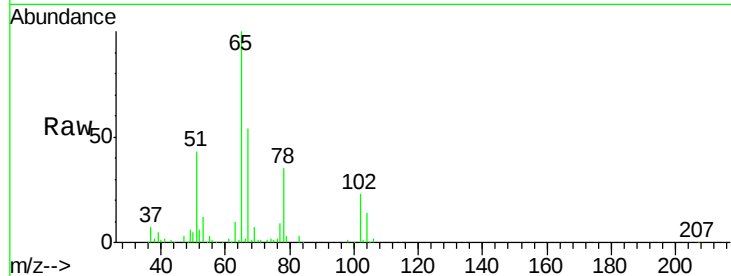
67 53.7 0.0 106.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2107

Delta R.T. -0.00 min

Lab File: VN062118.D

Acq: 25 Jun 2020 18:05

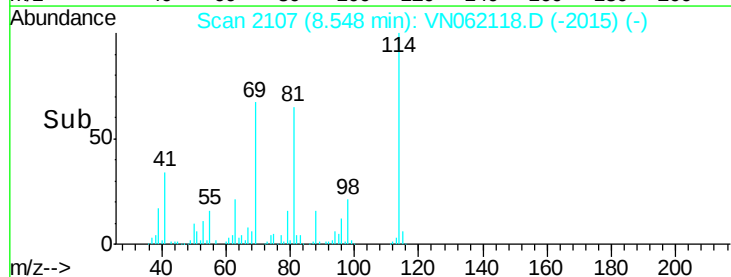
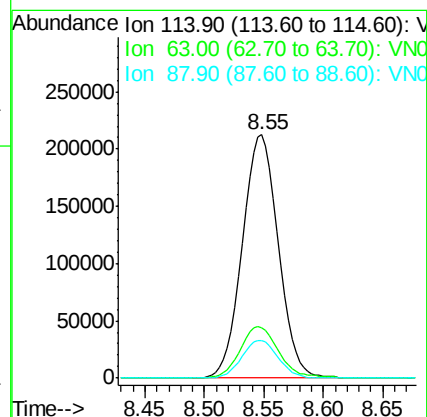
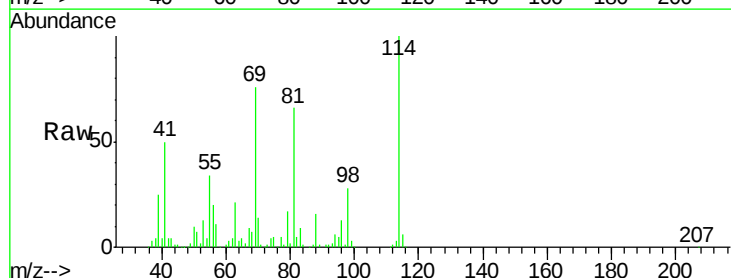
Tgt Ion: 114 Resp: 444681

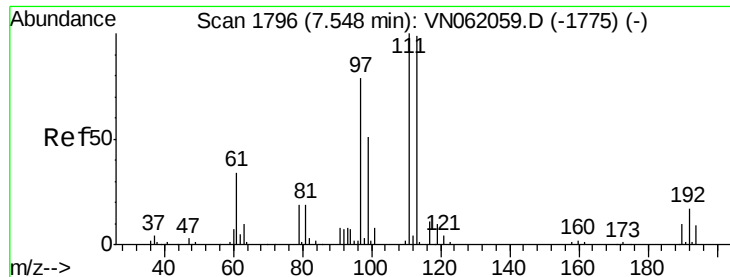
Ion Ratio Lower Upper

114 100

63 20.8 0.0 39.2

88 15.6 0.0 30.8





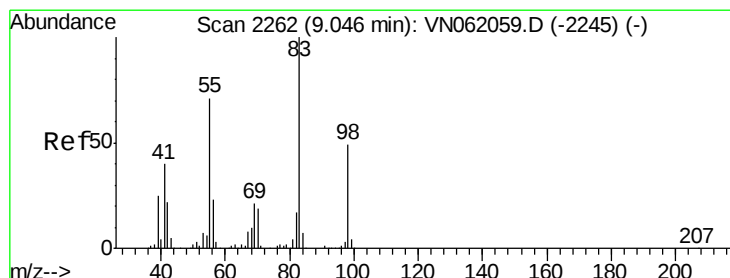
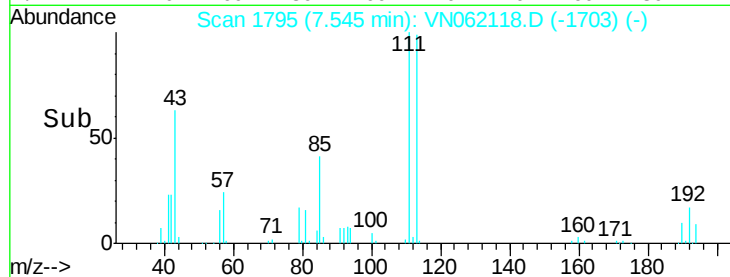
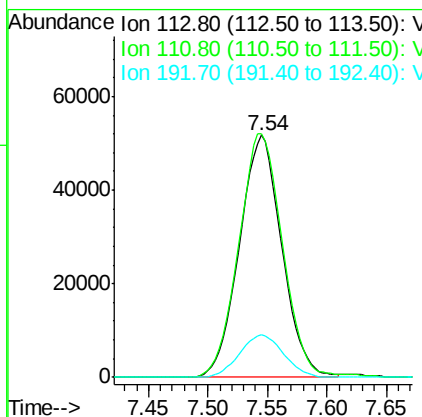
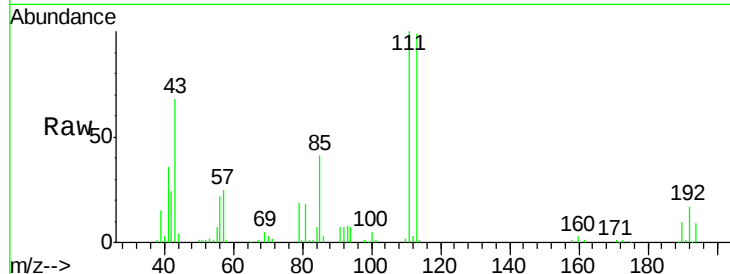
#35
 Dibromofluoromethane
 Concen: 44.655 ug/l
 RT: 7.54 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VN062118.D
 Acq: 25 Jun 2020 18:05

Instrument :
 MSVOA_N
 ClientSampled :
 SB-B

Tot Ion	Ratio	Resp	Lower	Upper
113	100	127395		
111	104.3	82.2	123.4	
192	18.2	14.0	21.0	

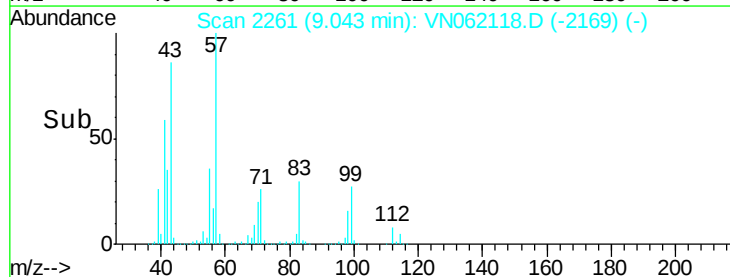
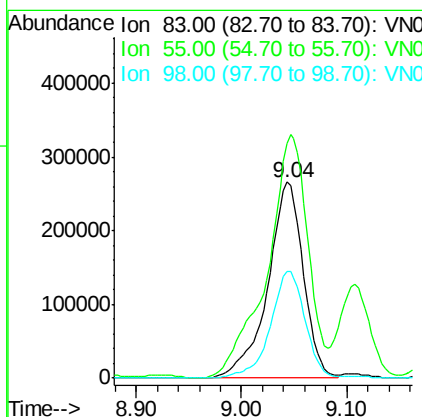
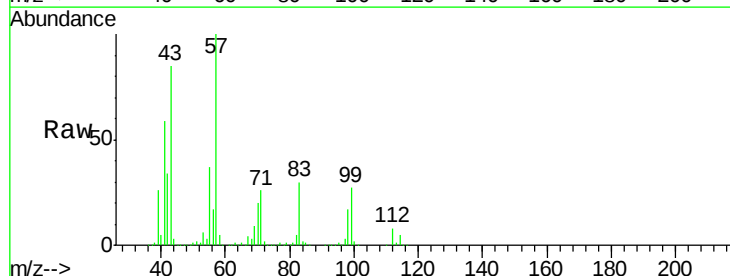
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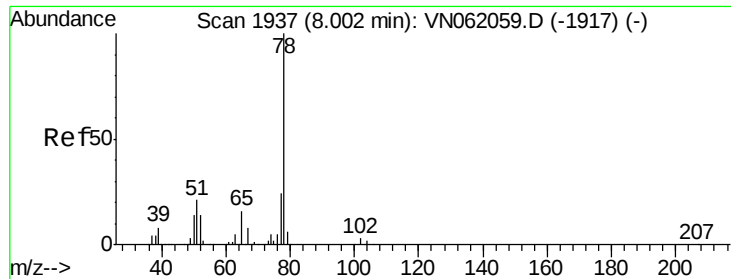
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#39
 Methylcyclohexane
 Concen: 126.595 ug/l
 RT: 9.04 min Scan# 2261
 Delta R.T. -0.00 min
 Lab File: VN062118.D
 Acq: 25 Jun 2020 18:05

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	619986		
55	119.6	57.0	85.6#	
98	54.5	39.0	58.6	





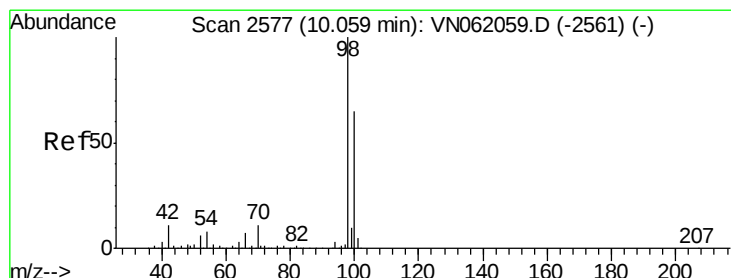
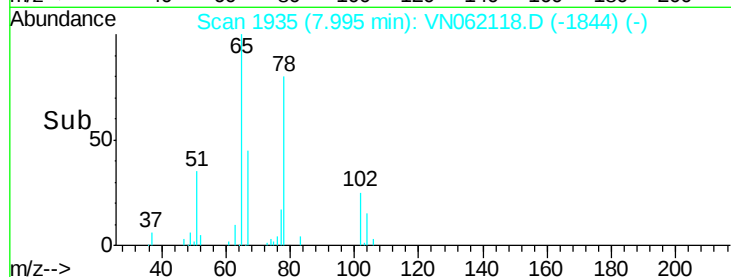
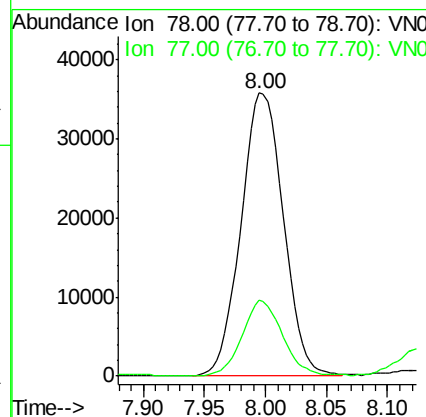
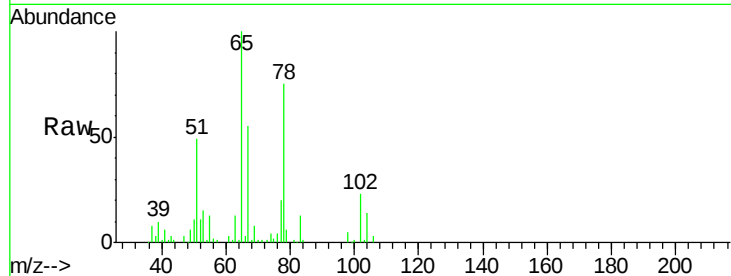
#40
Benzene
Concen: 6.334 ug/l
RT: 8.00 min Scan# 1935
Delta R.T. -0.01 min
Lab File: VN062118.D
Acq: 25 Jun 2020 18:05

Instrument :
MSVOA_N
ClientSampled :
SB-B

Tot Ion	Ion	Ratio	Lower	Upper
78	100			
77	26.7	19.5	29.3	

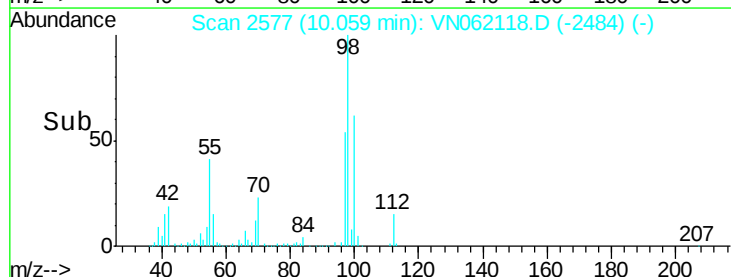
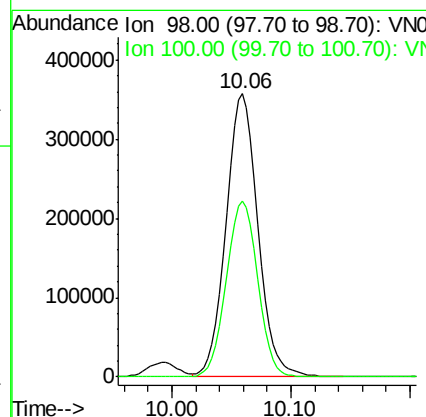
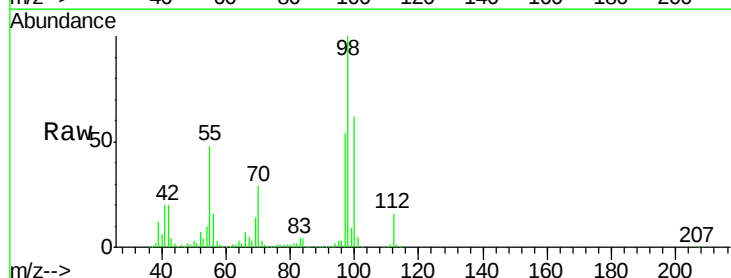
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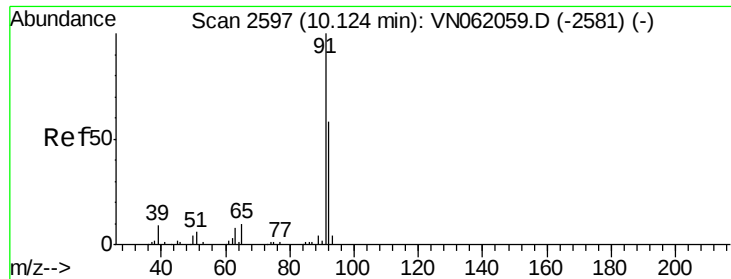
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#50
Toluene-d8
Concen: 57.978 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN062118.D
Acq: 25 Jun 2020 18:05

Tgt Ion	Ion	Ratio	Lower	Upper
98	100			
100	61.5	51.2	76.8	





#52

Toluene

Concen: 59.089 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062118.D

Acq: 25 Jun 2020 18:05

Instrument :

MSVOA_N

ClientSampled :

SB-B

Tot Ion: 92 Resp: 491172

Ion Ratio Lower Upper

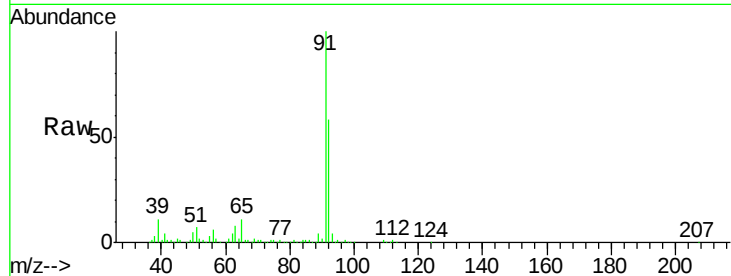
92 100

91 172.0 137.4 206.0

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Abundance Ion 92.00 (91.70 to 92.70): VN062118.D (-2504) (-)

Ion 91.00 (90.70 to 91.70): VN062118.D (-2504) (-)

500000

400000

300000

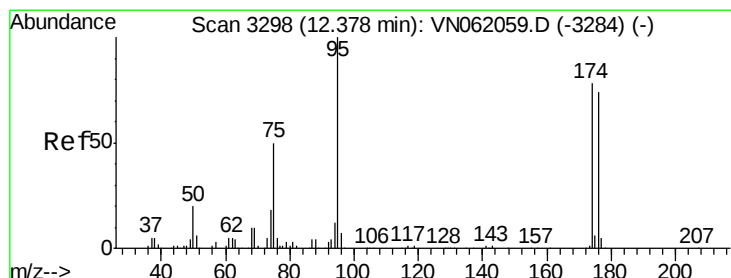
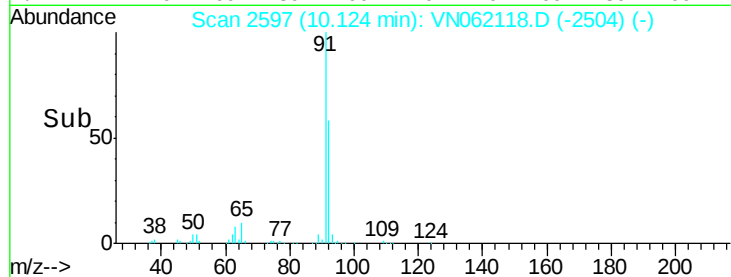
200000

100000

0

10.10 10.12 10.20

Time-->



#62

4-Bromofluorobenzene

Concen: 75.311 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062118.D

Acq: 25 Jun 2020 18:05

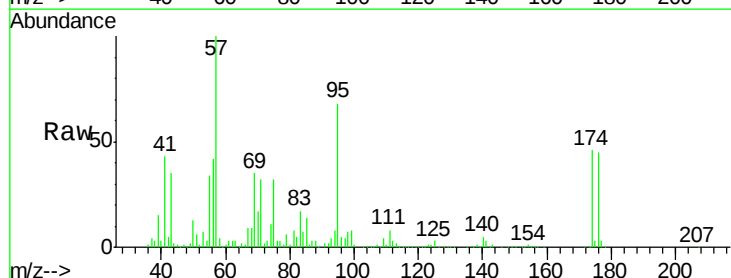
Tgt Ion: 95 Resp: 290162

Ion Ratio Lower Upper

95 100

174 66.5 0.0 154.8

176 64.6 0.0 147.4



Abundance Ion 94.90 (94.60 to 95.60): VN062118.D (-3205) (-)

Ion 173.80 (173.50 to 174.50): VN062118.D (-3205) (-)

Ion 175.80 (175.50 to 176.50): VN062118.D (-3205) (-)

200000

150000

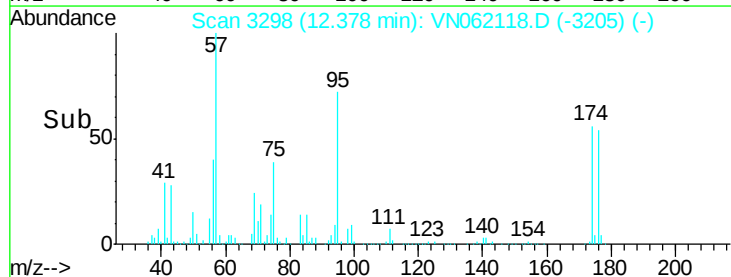
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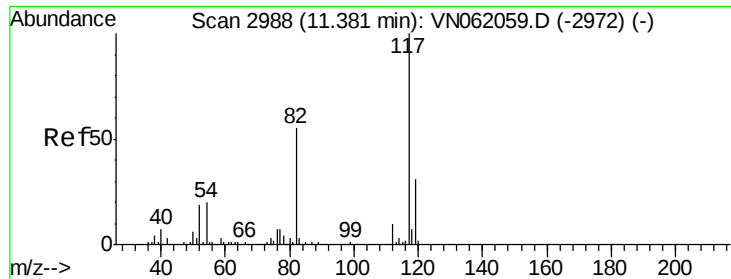
50000

0

12.30 12.35 12.40 12.45

Time-->





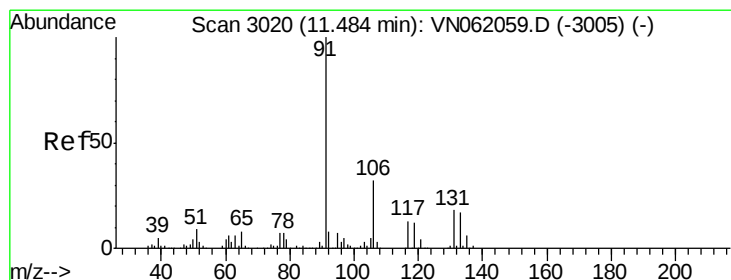
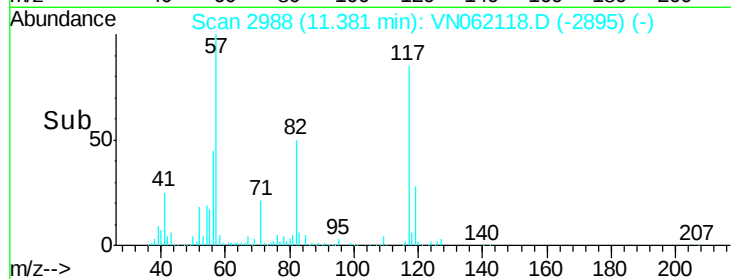
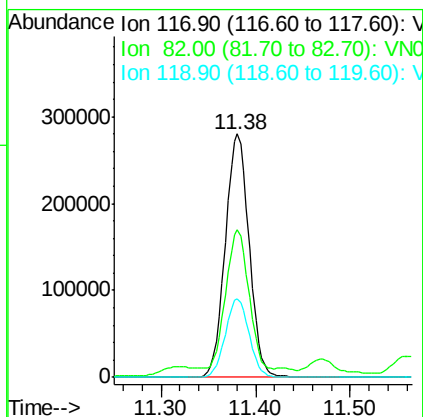
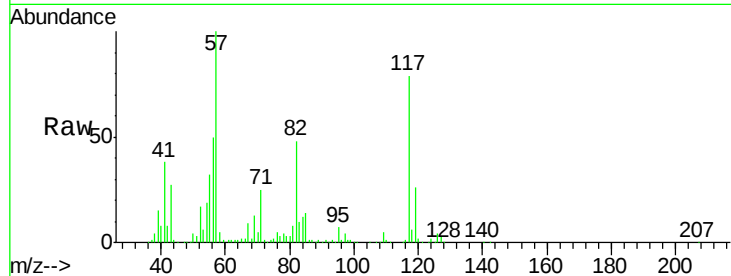
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062118.D
Acq: 25 Jun 2020 18:05

Instrument :
MSVOA_N
ClientSampled :
SB-B

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.5	43.8	65.8
119	32.5	25.2	37.8

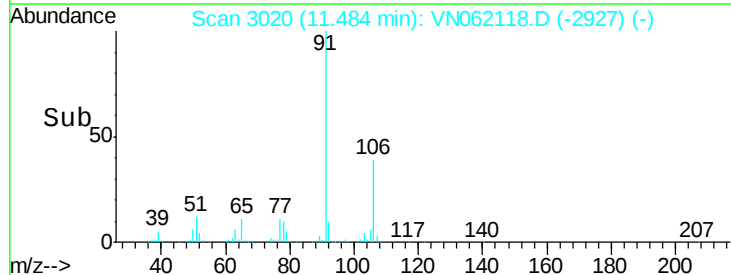
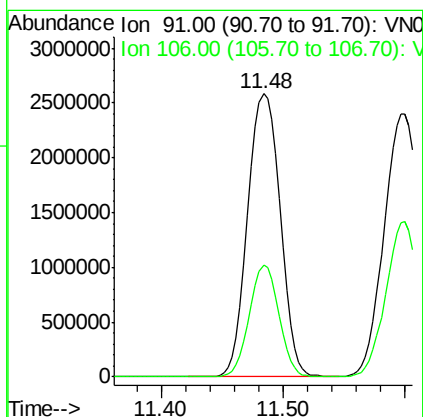
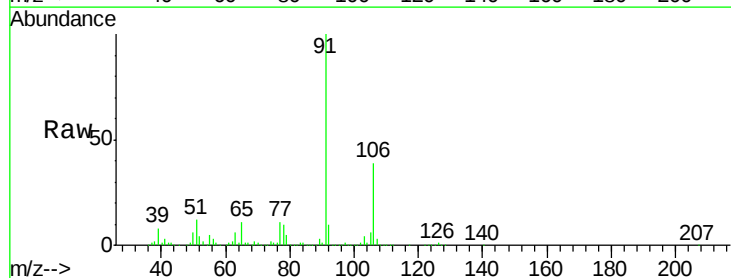
Manual Integrations
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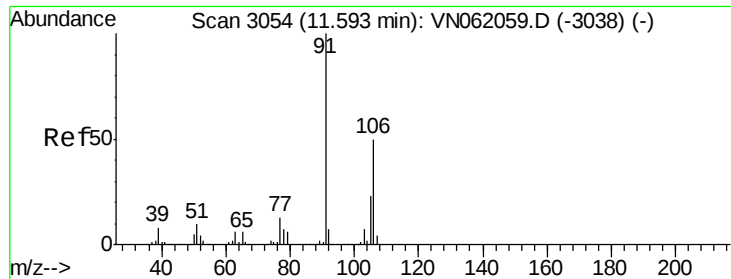
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6/26/2020 7:01:22 PM



#67
Ethyl Benzene
Concen: 261.089 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. -0.00 min
Lab File: VN062118.D
Acq: 25 Jun 2020 18:05

Tgt Ion	Ratio	Lower	Upper
91	100		
106	39.5	25.3	37.9





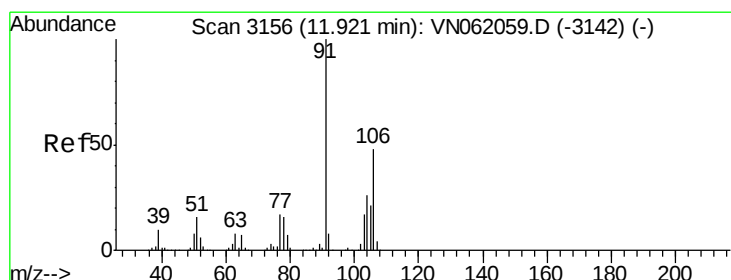
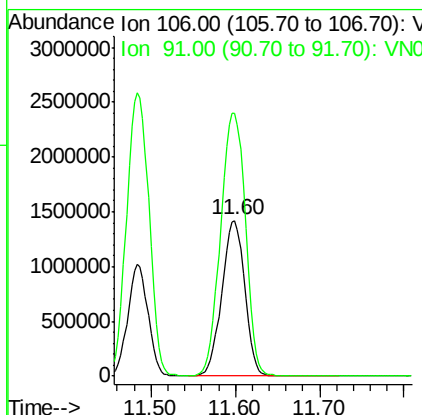
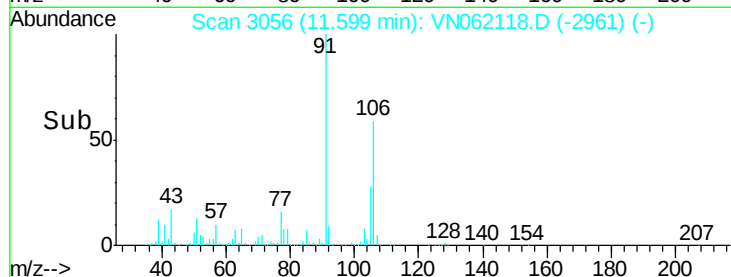
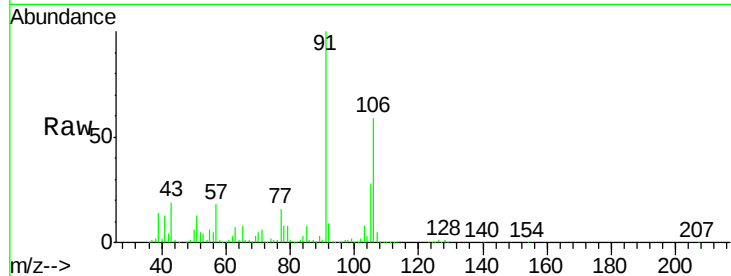
#68
m/p-Xylenes
Concen: 379.696 ug/l
RT: 11.60 min Scan# 3056
Delta R.T. 0.01 min
Lab File: VN062118.D
Acq: 25 Jun 2020 18:05

Instrument :
MSVOA_N
ClientSampled :
SB-B

Tot Ion:106 Resp: 2674738
Ion Ratio Lower Upper
106 100
91 182.8 157.8 236.8

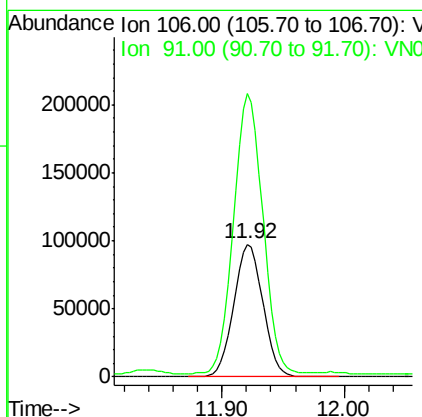
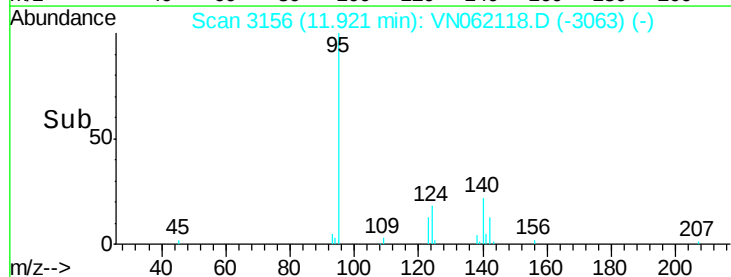
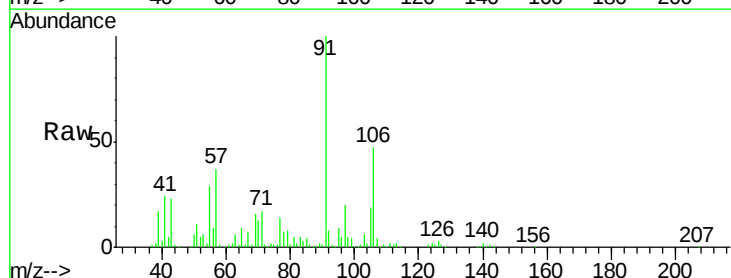
Manual Integrations
APPROVED

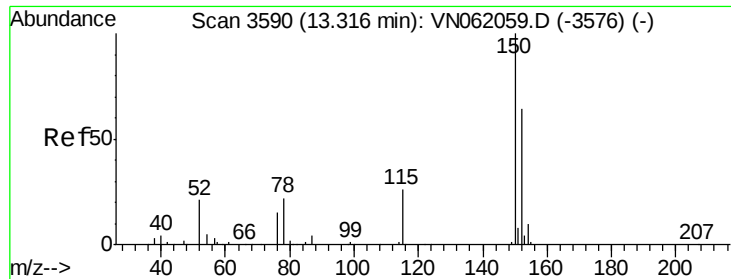
MMDadoda
6/26/2020 7:01:22 PM



#69
o-Xylene
Concen: 24.110 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062118.D
Acq: 25 Jun 2020 18:05

Tgt Ion:106 Resp: 160244
Ion Ratio Lower Upper
106 100
91 214.6 104.0 311.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062118.D

Acq: 25 Jun 2020 18:05

Instrument :

MSVOA_N

ClientSampled :

SB-B

Tot Ion:152 Resp: 253055

Ion Ratio Lower Upper

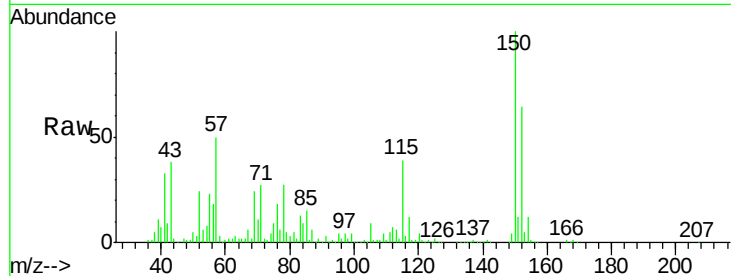
152 100

115 60.1 29.5 88.5

150 156.2 0.0 351.4

Manual Integrations
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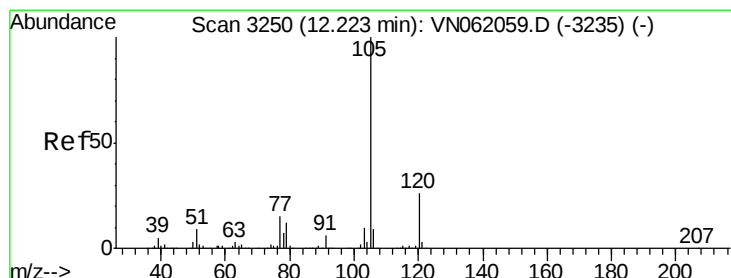
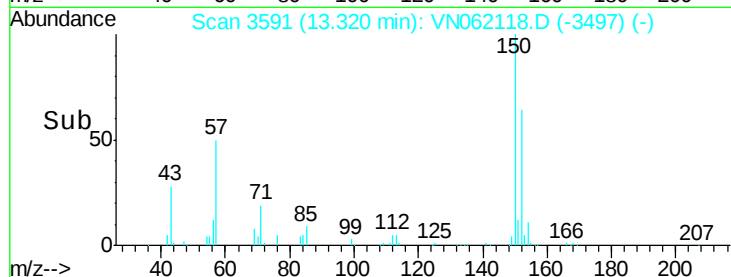
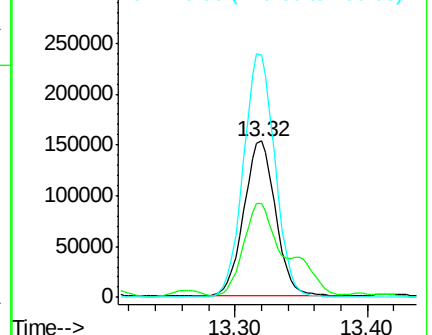
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 147.573 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062118.D

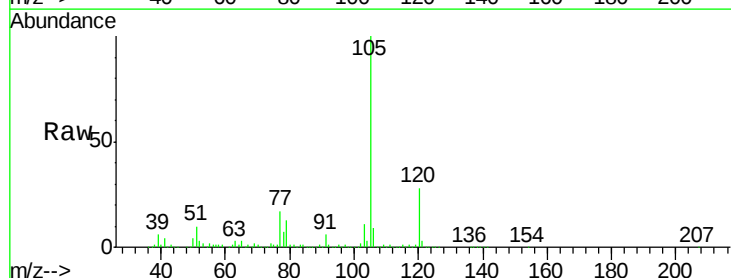
Acq: 25 Jun 2020 18:05

Tgt Ion:105 Resp: 2890735

Ion Ratio Lower Upper

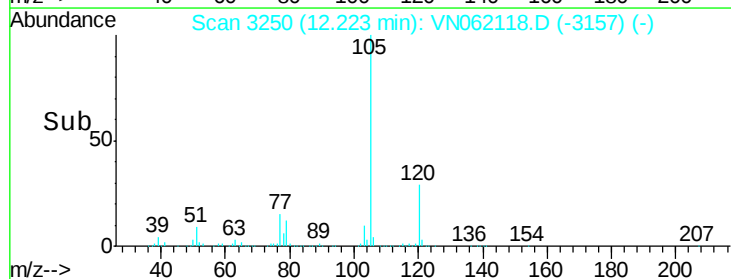
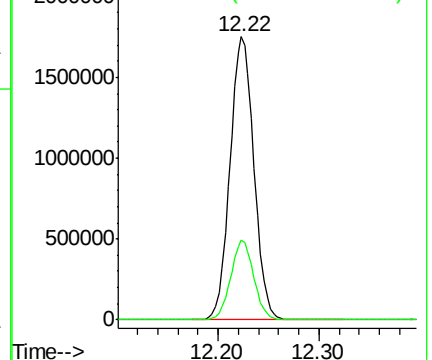
105 100

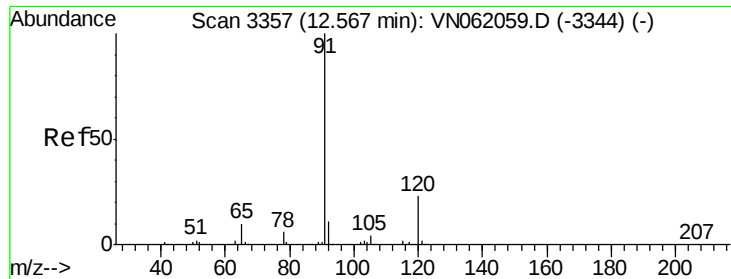
120 27.1 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





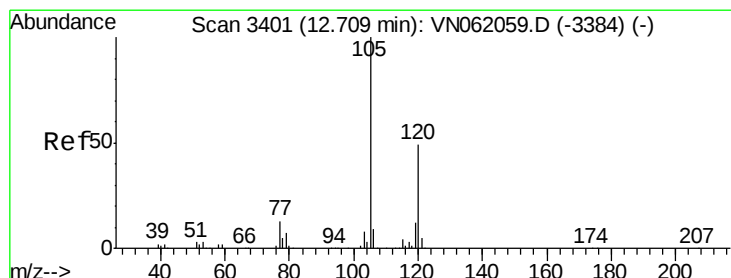
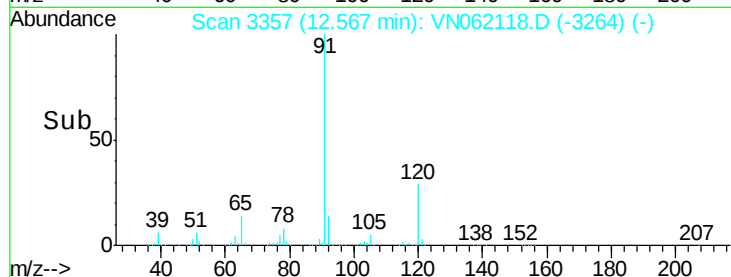
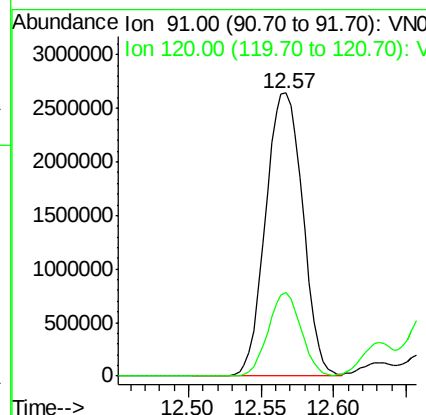
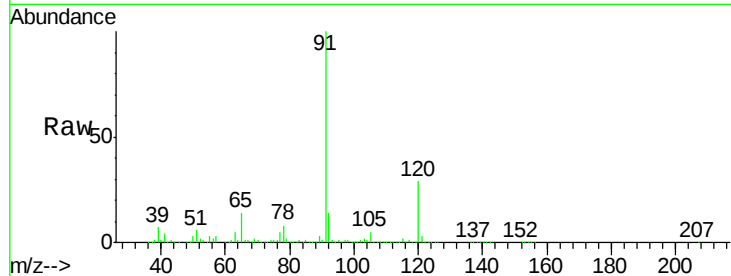
#78
n-propylbenzene
Concen: 209.897 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. -0.00 min
Lab File: VN062118.D
Acq: 25 Jun 2020 18:05

Instrument :
MSVOA_N
ClientSampled :
SB-B

Tot Ion: 91 Resp: 4703033
Ion Ratio Lower Upper
91 100
120 26.3 11.4 34.1

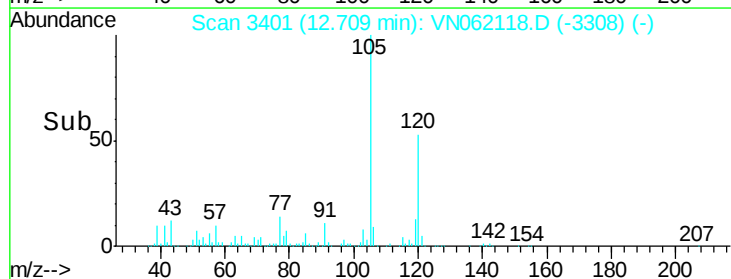
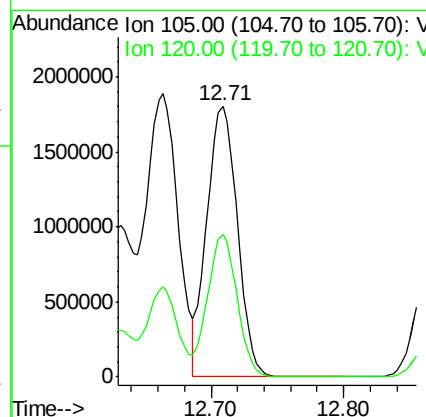
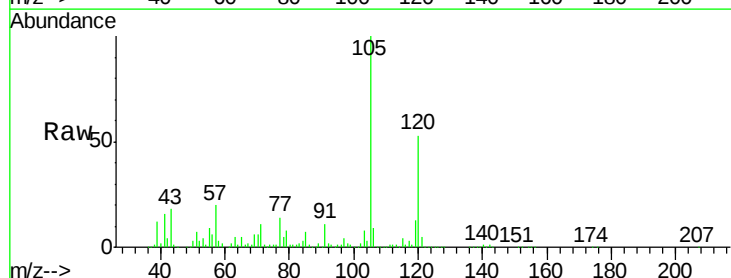
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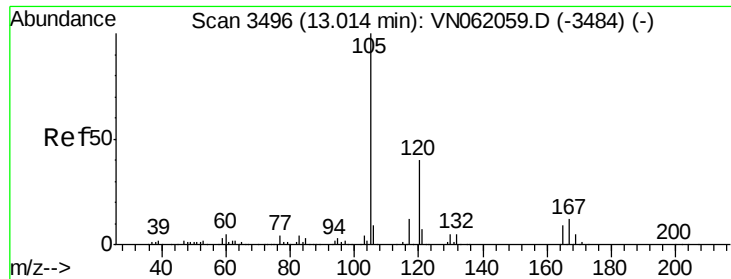
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#80
1,3,5-Trimethylbenzene
Concen: 181.288 ug/l
RT: 12.71 min Scan# 3401
Delta R.T. -0.00 min
Lab File: VN062118.D
Acq: 25 Jun 2020 18:05

Tgt Ion: 105 Resp: 2878752
Ion Ratio Lower Upper
105 100
120 51.6 24.6 74.0





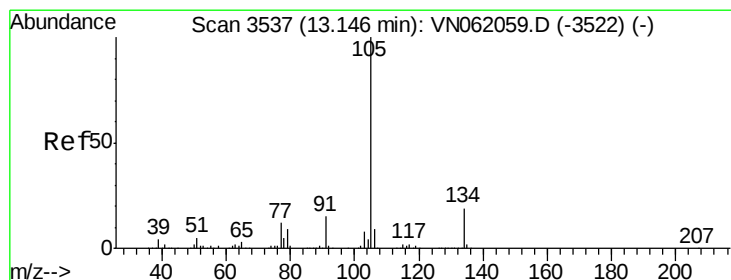
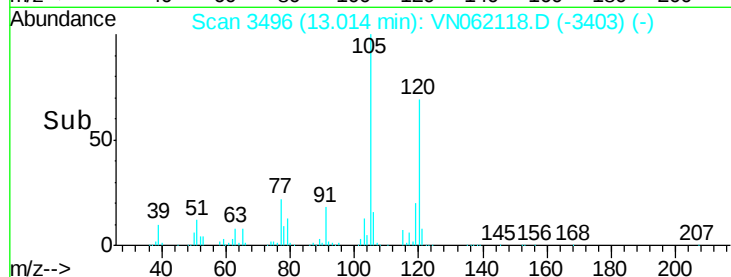
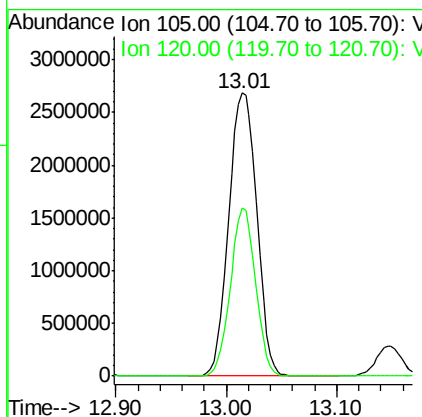
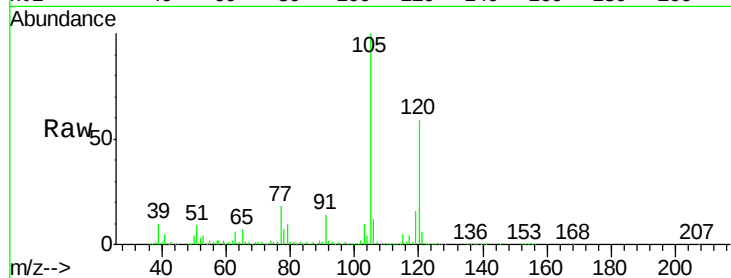
#84
1,2,4-Trimethylbenzene
Concen: 298.265 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN062118.D
Acq: 25 Jun 2020 18:05

Instrument :
MSVOA_N
ClientSampled :
SB-B

Tot Ion:105 Resp: 4730330
Ion Ratio Lower Upper
105 100
120 53.4 23.2 69.5

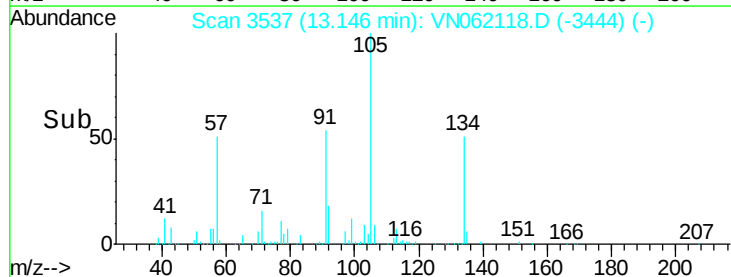
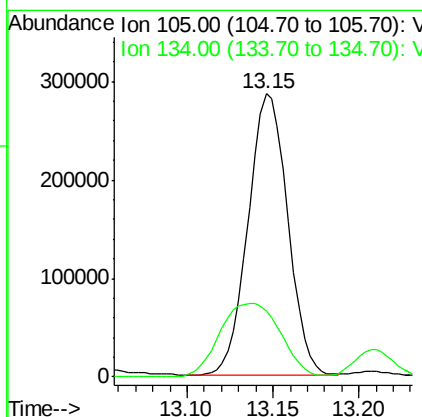
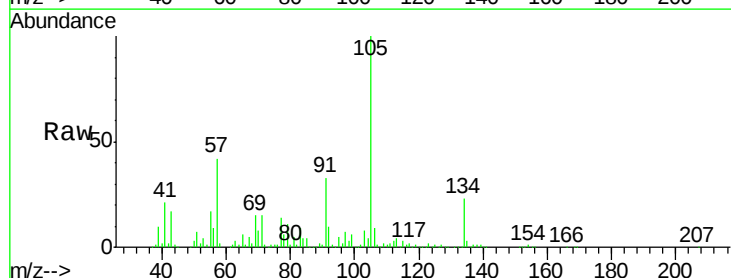
Manual Integrations
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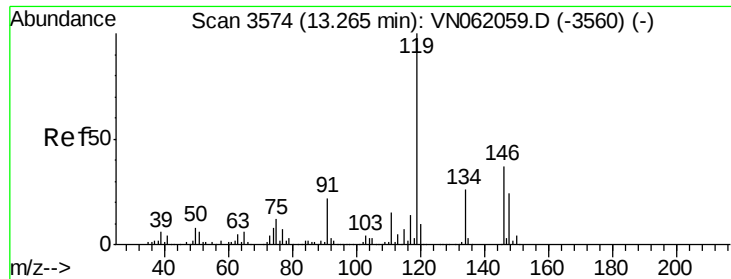
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#85
sec-Butylbenzene
Concen: 25.369 ug/l
RT: 13.15 min Scan# 3537
Delta R.T. -0.00 min
Lab File: VN062118.D
Acq: 25 Jun 2020 18:05

Tgt Ion:105 Resp: 455560
Ion Ratio Lower Upper
105 100
134 40.2 9.7 29.1#





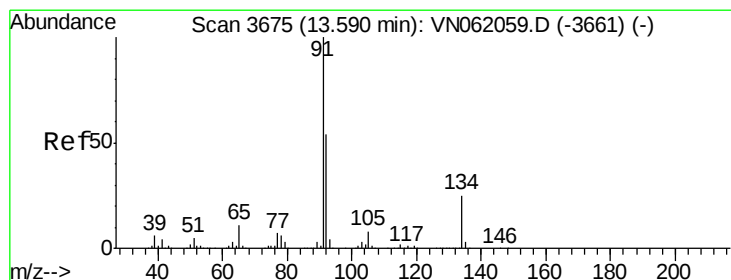
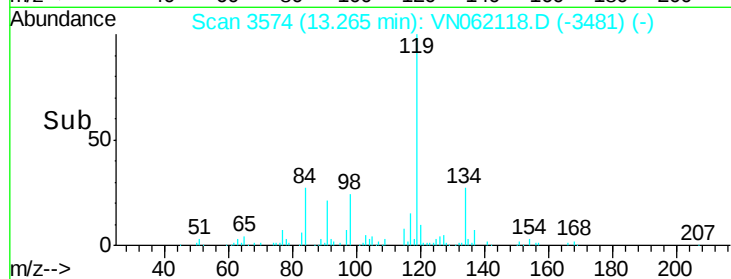
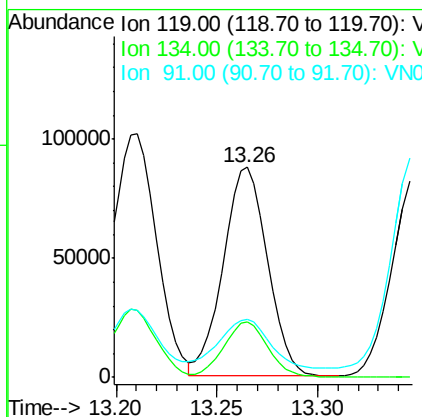
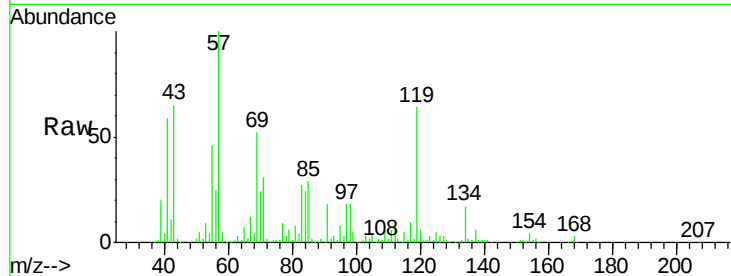
#86
p-Isopropyltoluene
Concen: 8.578 ug/l
RT: 13.26 min Scan# 3574
Delta R.T. -0.00 min
Lab File: VN062118.D
Acq: 25 Jun 2020 18:05

Instrument :
MSVOA_N
ClientSampled :
SB-B

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.0	39.0
91	25.9	11.3	33.8

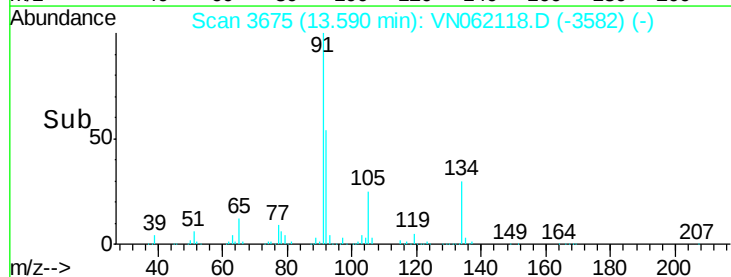
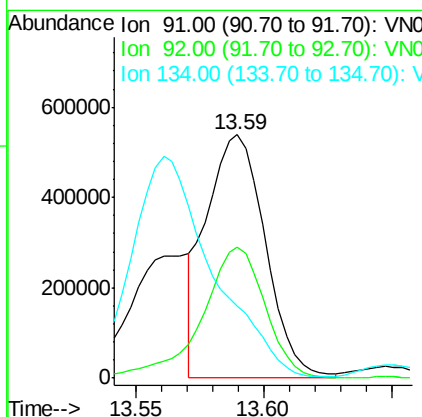
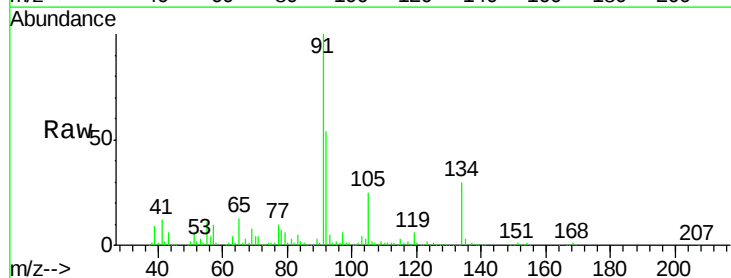
Manual Integrations
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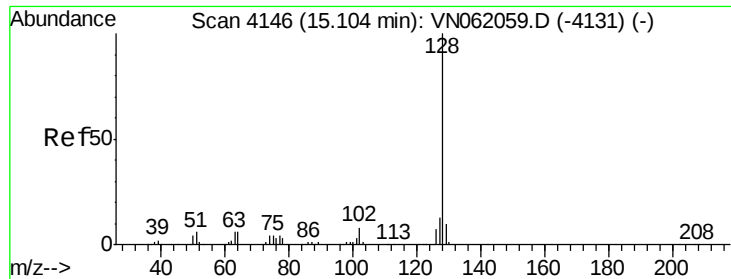
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#89
n-Butylbenzene
Concen: 66.187 ug/l m
RT: 13.59 min Scan# 3675
Delta R.T. -0.00 min
Lab File: VN062118.D
Acq: 25 Jun 2020 18:05

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.5	26.6	79.7
134	0.0	12.3	36.9#





#95
Naphthalene
Concen: 97.136 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN062118.D
Acq: 25 Jun 2020 18:05

Instrument :
MSVOA_N
ClientSampleId :
SB-B

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.5	15.7
129	10.7	8.6	13.0

Manual Integrations
APPROVED

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