

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052319\
 Data File : VN055777.D
 Acq On : 24 May 2019 1:08
 Operator : JC/SP
 Sample : K2996-03
 Misc : 5.32g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P-2(4.5-5.0)

Manual Integrations
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MMDadoda
 5/24/2019 9:53:04 AM

Quant Time: May 24 08:10:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 24 06:41:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	407228	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	554487	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	499659	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	302295	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	187514	44.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.18%	
35) Dibromofluoromethane	7.59	113	167714	47.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.68%	
50) Toluene-d8	10.09	98	819963	60.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.96%	
62) 4-Bromofluorobenzene	12.40	95	407856	88.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	176.90%	
Target Compounds						
						Qvalue
31) Cyclohexane	7.63	56	3611166	572.080	ug/l #	50
39) Methylcyclohexane	9.08	83	3751282	626.913	ug/l	92
40) Benzene	8.04	78	422293	28.997	ug/l	99
52) Toluene	10.16	92	249502	27.241	ug/l	100
67) Ethyl Benzene	11.50	91	18784412m	1047.212	ug/l	
68) m/p-Xylenes	11.62	106	20903232m	3082.499	ug/l	
69) o-Xylene	11.95	106	261526	38.872	ug/l	96
73) Isopropylbenzene	12.25	105	11229012	548.804	ug/l	99
78) n-propylbenzene	12.59	91	12620753	480.359	ug/l	98
80) 1,3,5-Trimethylbenzene	12.72	105	17855600m	1037.029	ug/l	
83) tert-Butylbenzene	12.99	119	129850m	5.613	ug/l	
84) 1,2,4-Trimethylbenzene	13.03	105	25141084m	1457.171	ug/l	
85) sec-Butylbenzene	13.17	105	1301403	64.643	ug/l #	56
86) p-Isopropyltoluene	13.29	119	643445m	30.650	ug/l	
89) n-Butylbenzene	13.62	91	1892565	117.659	ug/l #	62
95) Naphthalene	15.13	128	8918649	637.782	ug/l	100

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

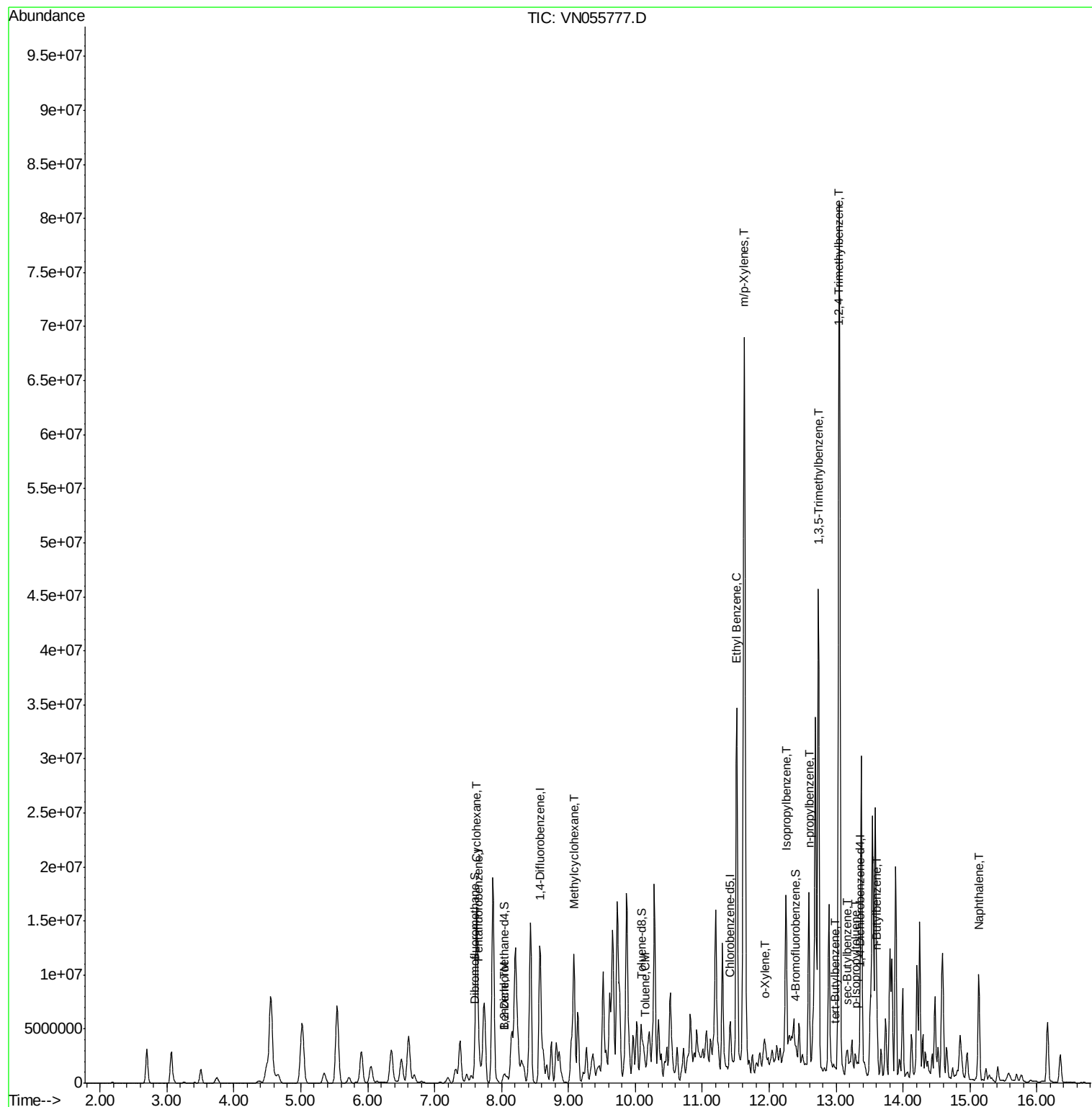
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN052319\
Data File : VN055777.D
Acq On : 24 May 2019 1:08
Operator : JC/SP
Sample : K2996-03
Misc : 5.32g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 40 Sample Multiplier: 1

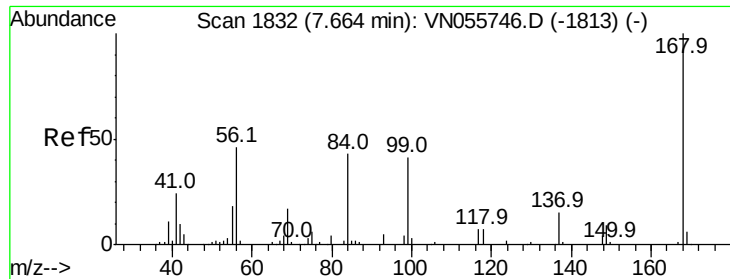
Instrument :
MSVOA_N
ClientSampleId :
P-2(4.5-5.0)

Manual Integrations
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Quant Time: May 24 08:10:56 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N052319W.M
Quant Title : SW846 8260
QLast Update : Fri May 24 06:41:54 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN055777.D

Acq: 24 May 2019 1:08

Instrument :

MSVOA_N

ClientSampleId :

P-2(4.5-5.0)

Tot Ion:168 Resp: 407228

Ion Ratio Lower Upper

168 100

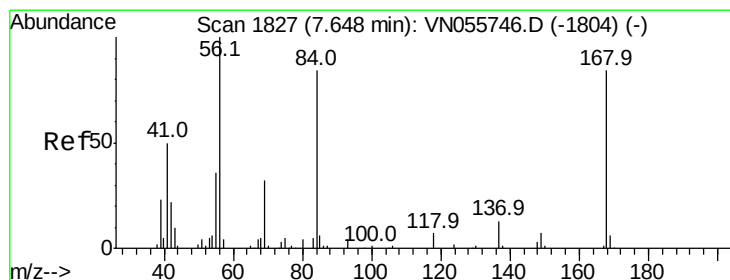
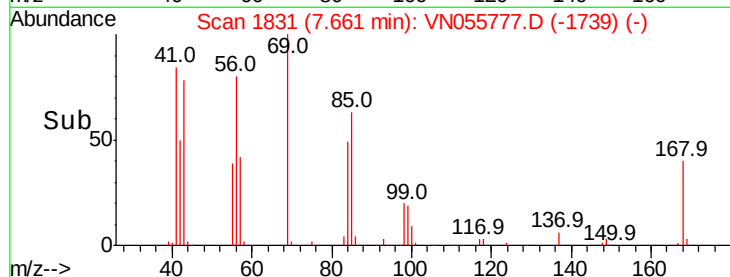
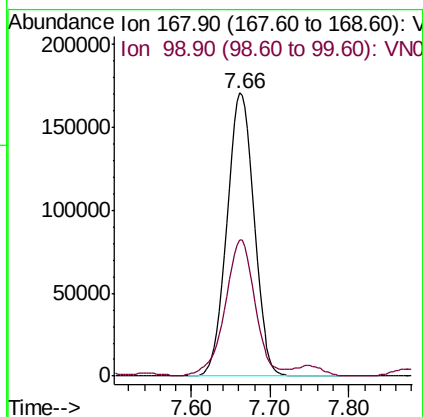
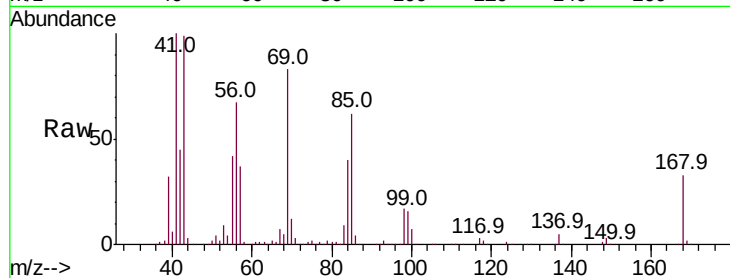
99 47.7 37.2 55.8

Manual Integrations

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#31

Cyclohexane

Concen: 572.080 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.02 min

Lab File: VN055777.D

Acq: 24 May 2019 1:08

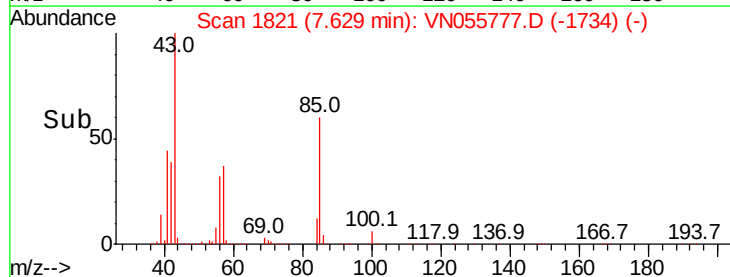
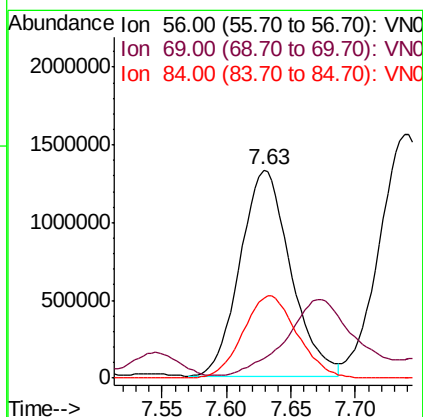
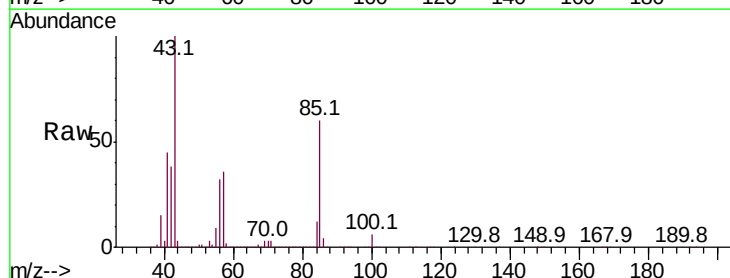
Tgt Ion: 56 Resp: 3611166

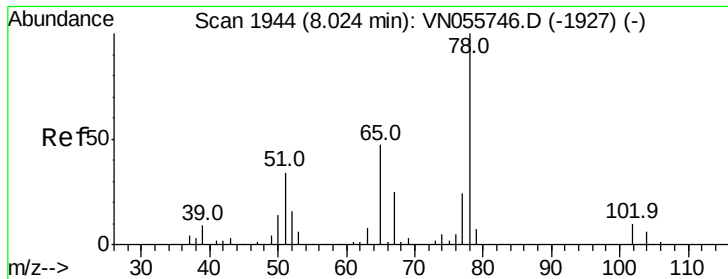
Ion Ratio Lower Upper

56 100

69 5.0 25.6 38.4#

84 38.8 67.4 101.0#





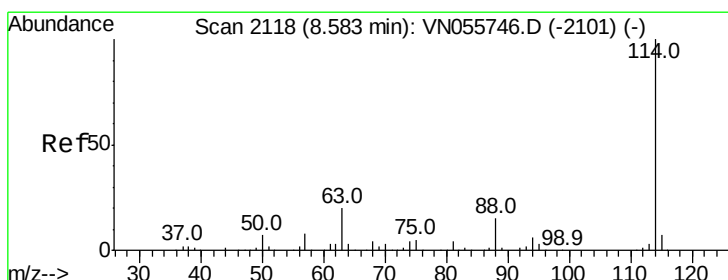
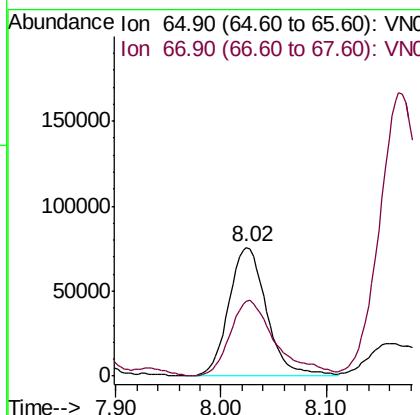
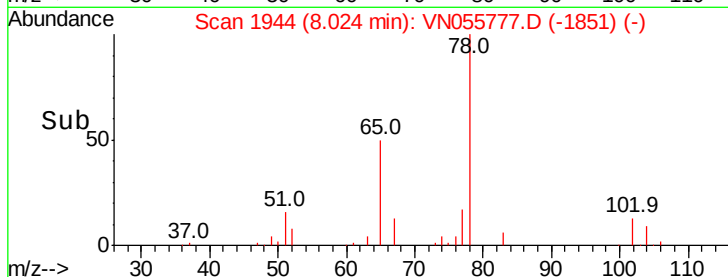
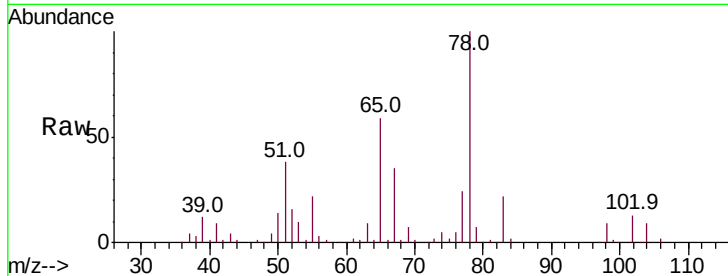
#33
 1,2-Dichloroethane-d4
 Concen: 44.588 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN055777.D
 Acq: 24 May 2019 1:08

Instrument :
 MSVOA_N
 ClientSampleId :
 P-2(4.5-5.0)

Tot Ion	Ratio	Resp	Lower	Upper
65	100	187514		
67	70.3	0.0	109.2	

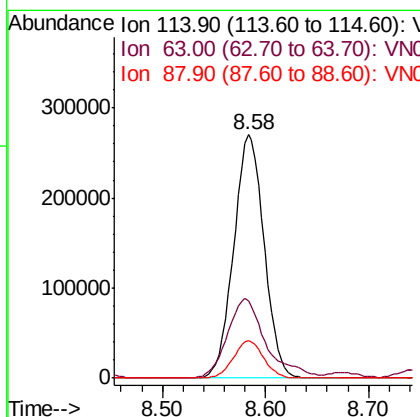
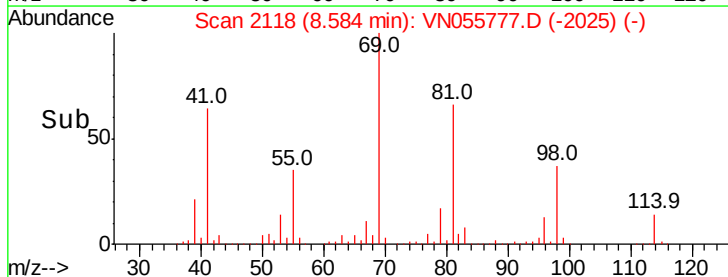
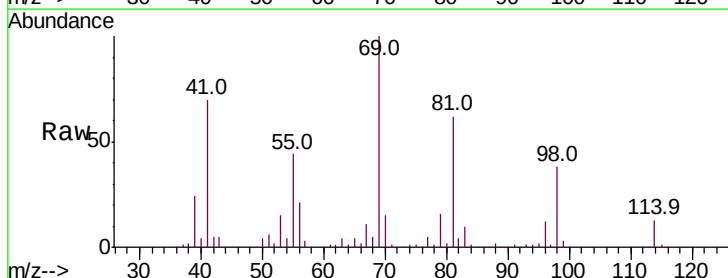
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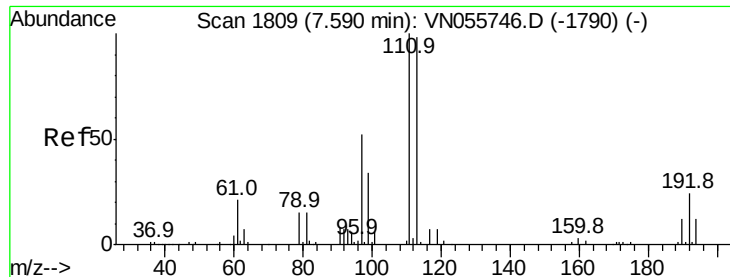
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055777.D
 Acq: 24 May 2019 1:08

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	554487		
63	31.7	0.0	39.2	
88	15.2	0.0	31.0	





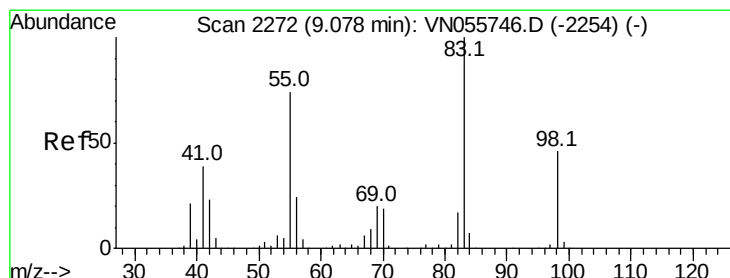
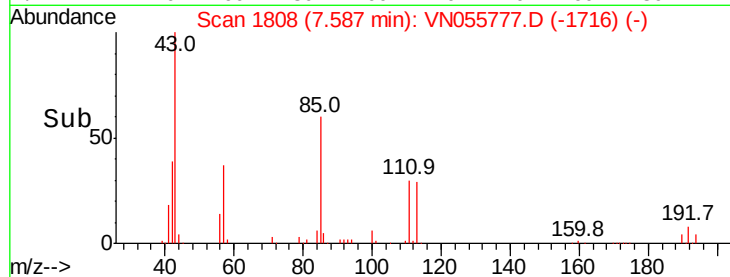
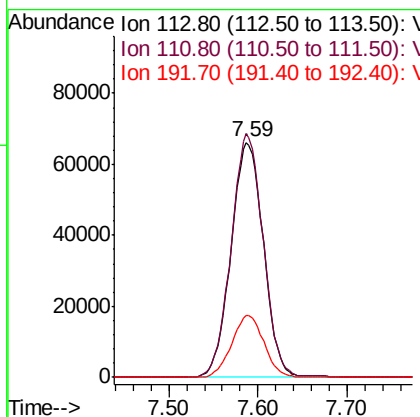
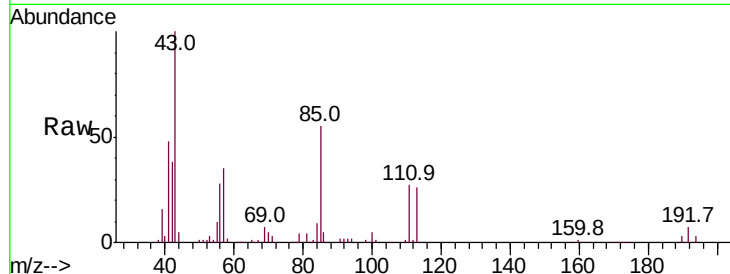
#35
 Dibromofluoromethane
 Concen: 47.841 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. -0.00 min
 Lab File: VN055777.D
 Acq: 24 May 2019 1:08

Instrument :
 MSVOA_N
 ClientSampleId :
 P-2(4.5-5.0)

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.9	122.9
192	26.0	19.5	29.3

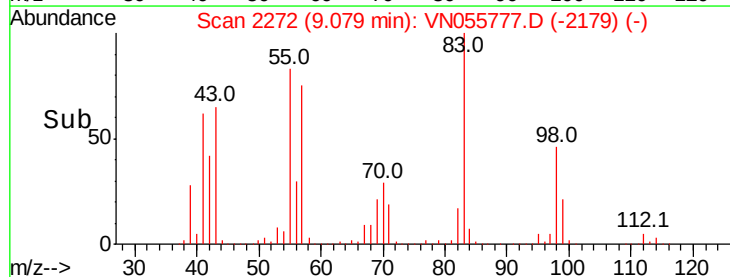
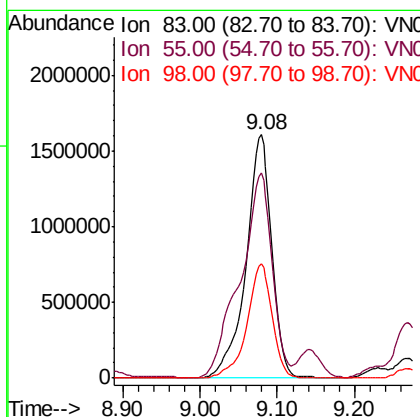
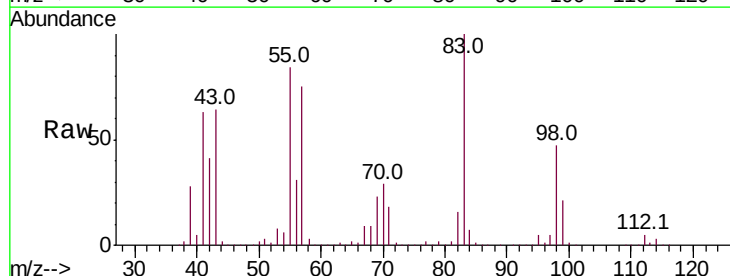
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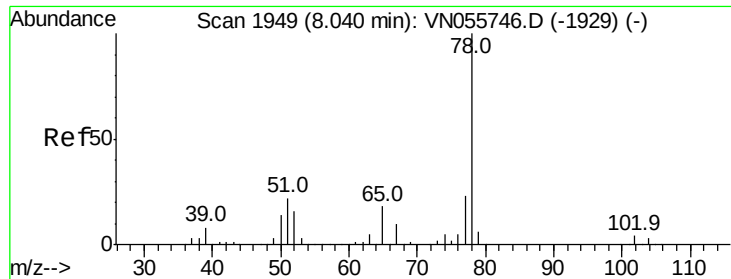
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#39
 Methylcyclohexane
 Concen: 626.913 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN055777.D
 Acq: 24 May 2019 1:08

Tgt Ion	Ratio	Lower	Upper
83	100		
55	83.9	59.3	88.9
98	47.1	36.6	54.8





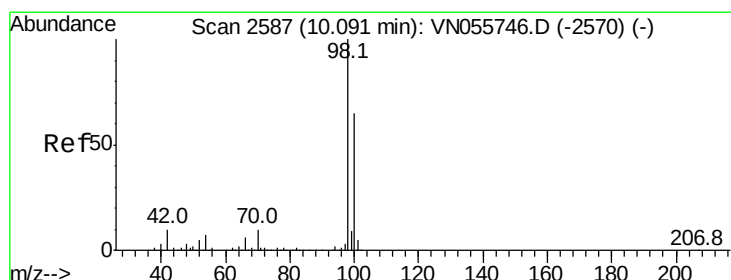
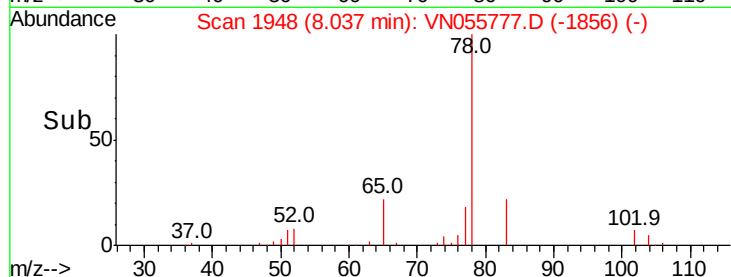
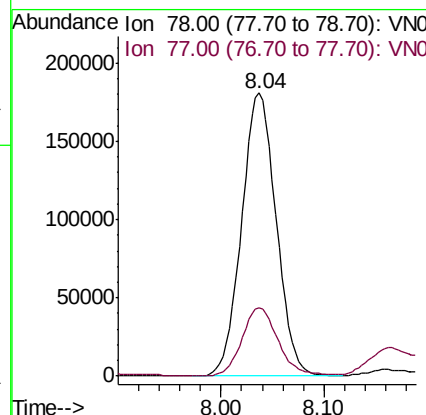
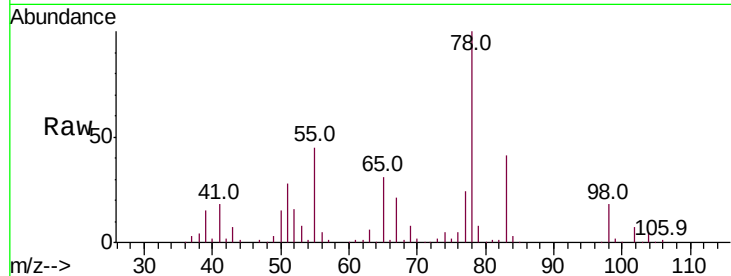
#40
Benzene
Concen: 28.997 ug/l
RT: 8.04 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VN055777.D
Acq: 24 May 2019 1:08

Instrument :
MSVOA_N
ClientSampleId :
P-2(4.5-5.0)

Tot Ion	78	Resp	422293
Ion Ratio	100	Lower	Upper
77	24.2	18.8	28.2

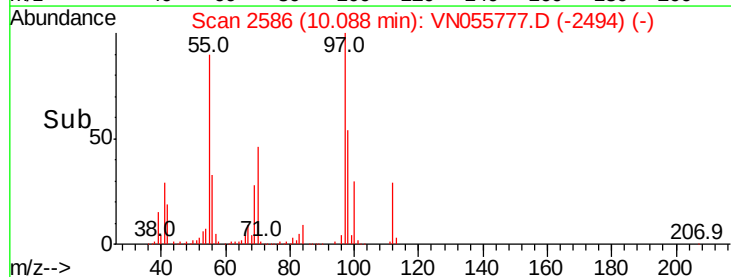
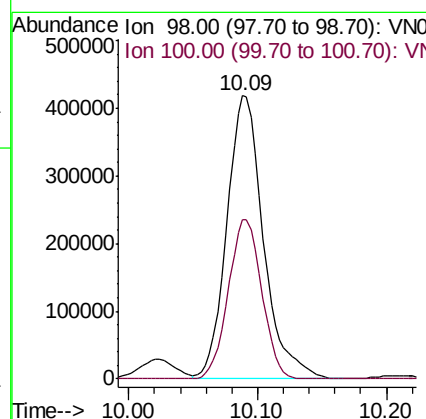
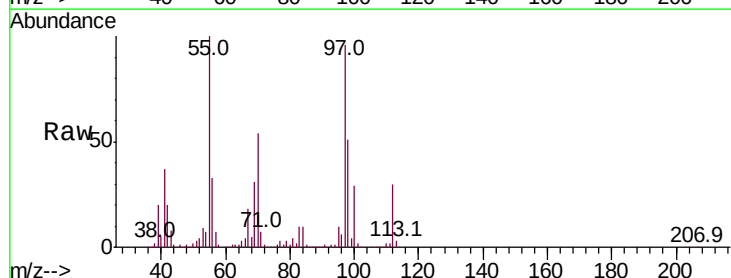
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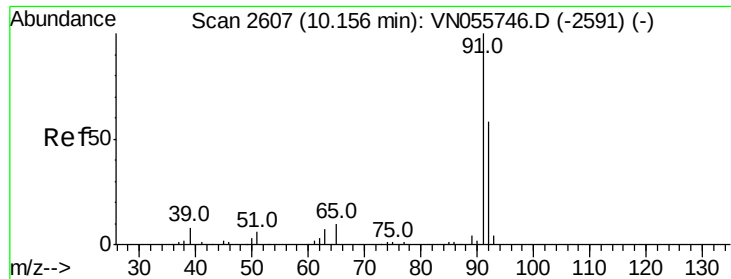
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#50
Toluene-d8
Concen: 60.976 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN055777.D
Acq: 24 May 2019 1:08

Tgt Ion	98	Resp	819963
Ion Ratio	100	Lower	Upper
100	51.7	51.9	77.9#





#52

Toluene

Concen: 27.241 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055777.D

Acq: 24 May 2019 1:08

Instrument :

MSVOA_N

ClientSampled :

P-2(4.5-5.0)

Tot Ion: 92 Resp: 249502

Ion Ratio Lower Upper

92 100

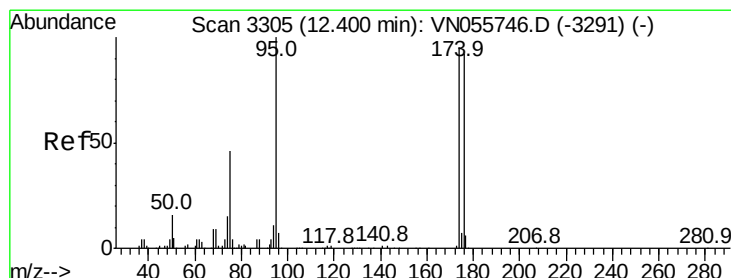
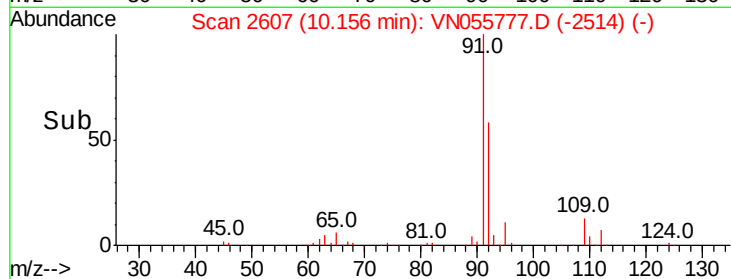
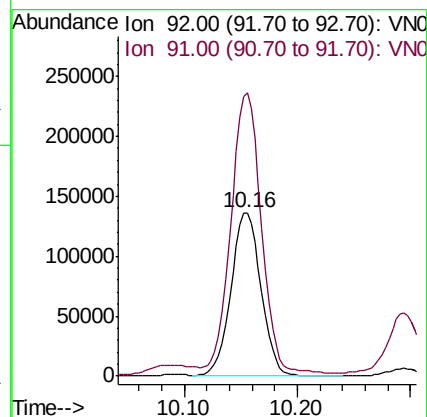
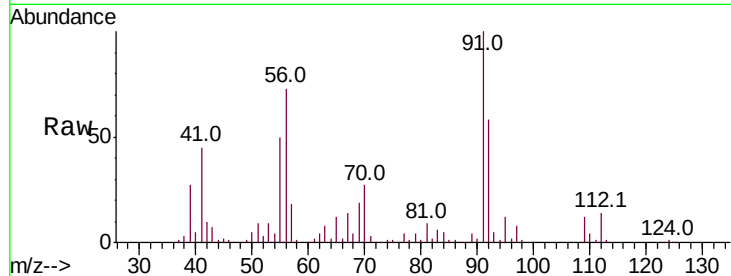
91 174.6 139.4 209.2

Manual Integrations

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5/24/2019 9:53:04 AM



#62

4-Bromofluorobenzene

Concen: 88.454 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055777.D

Acq: 24 May 2019 1:08

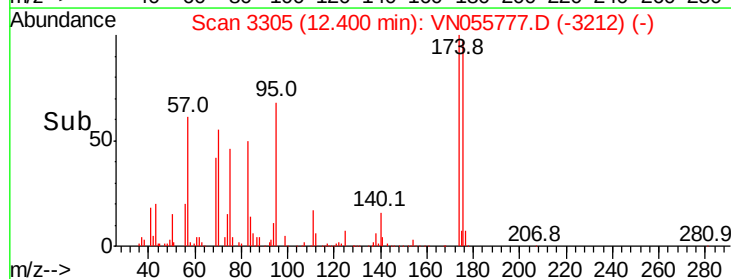
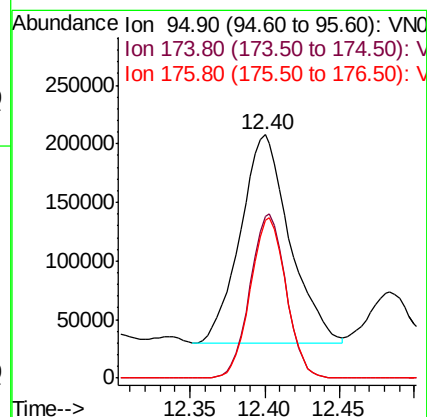
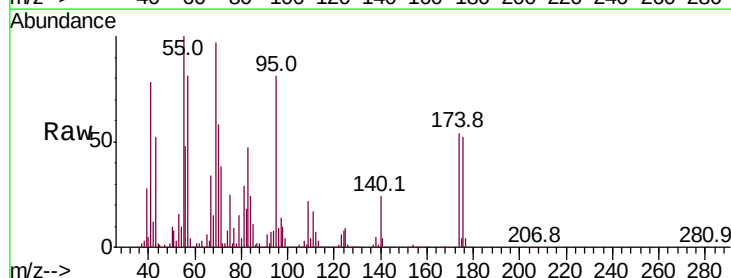
Tgt Ion: 95 Resp: 407856

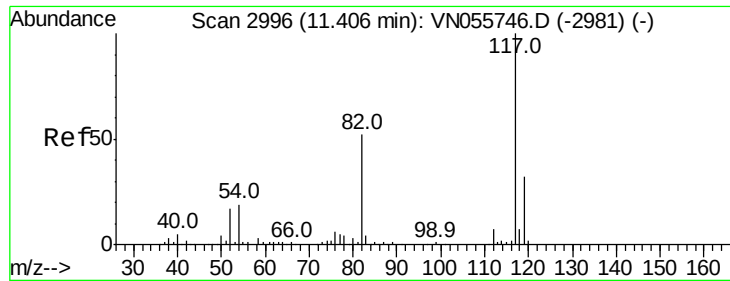
Ion Ratio Lower Upper

95 100

174 57.4 0.0 191.0

176 55.8 0.0 185.2





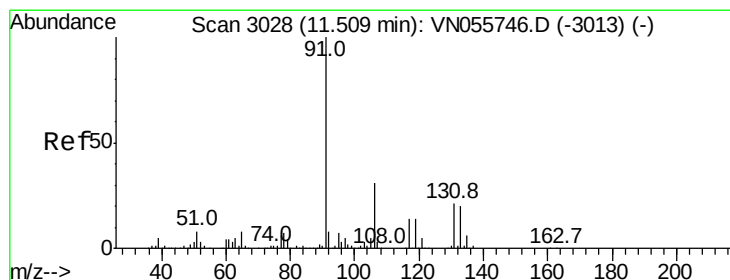
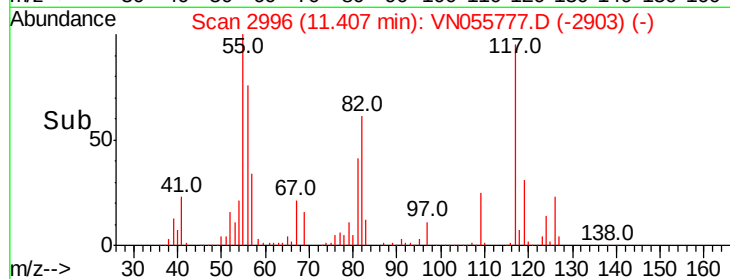
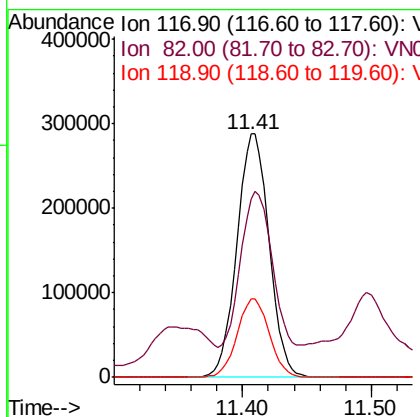
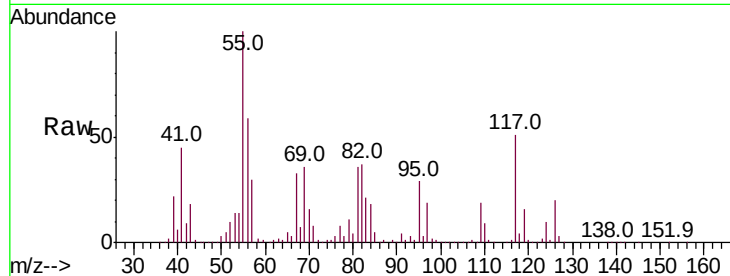
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055777.D
Acq: 24 May 2019 1:08

Instrument :
MSVOA_N
ClientSampled :
P-2(4.5-5.0)

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.5	41.8	62.8
119	32.3	25.4	38.0

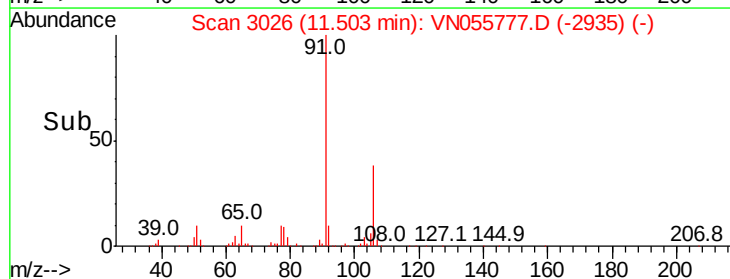
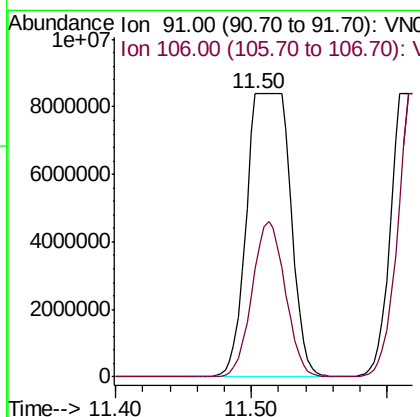
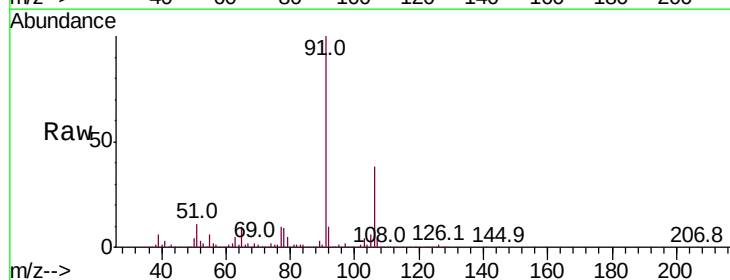
Manual Integrations
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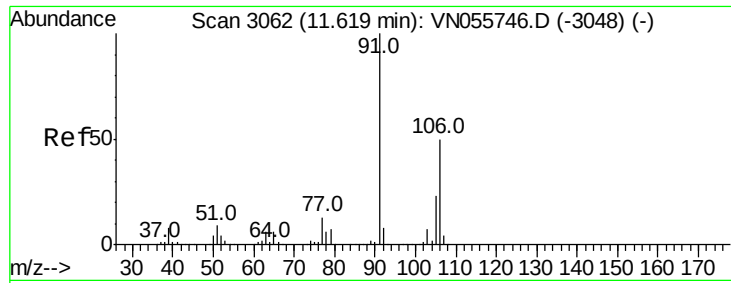
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#67
Ethyl Benzene
Concen: 1047.212 ug/l m
RT: 11.50 min Scan# 3026
Delta R.T. -0.01 min
Lab File: VN055777.D
Acq: 24 May 2019 1:08

Tgt Ion	Ratio	Lower	Upper
91	100		
106	38.1	25.1	37.7#





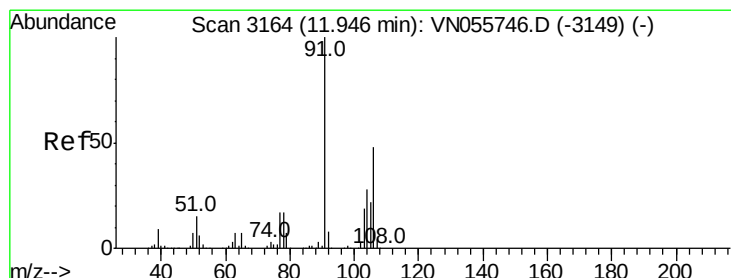
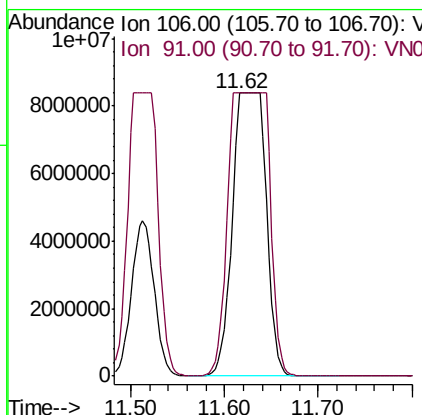
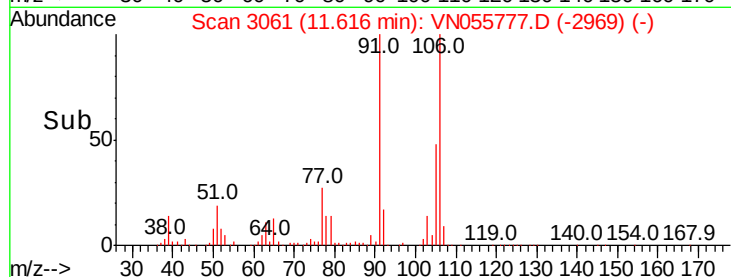
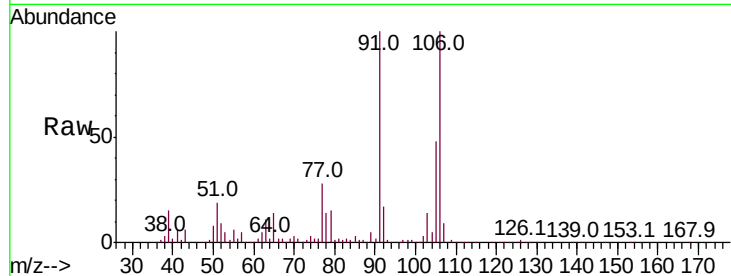
#68
m/p-Xylenes
Concen: 3082.499 ug/l m
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN055777.D
Acq: 24 May 2019 1:08

Instrument :
MSVOA_N
ClientSampleId :
P-2(4.5-5.0)

Tot Ion:106 Resp:20903232
Ion Ratio Lower Upper
106 100
91 0.0 159.3 238.9#

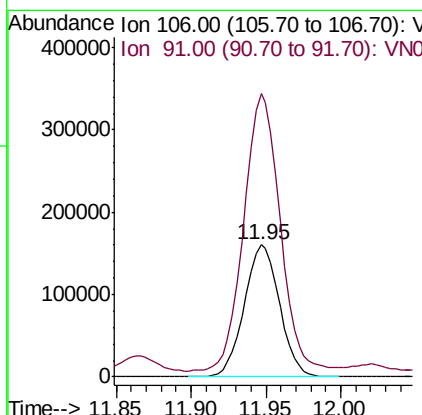
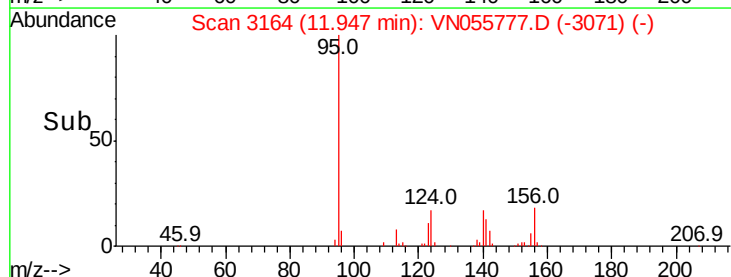
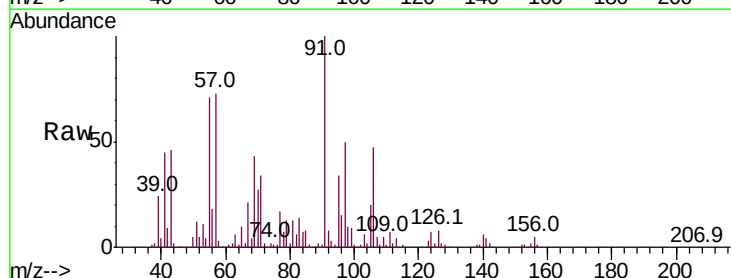
Manual Integrations
APPROVED

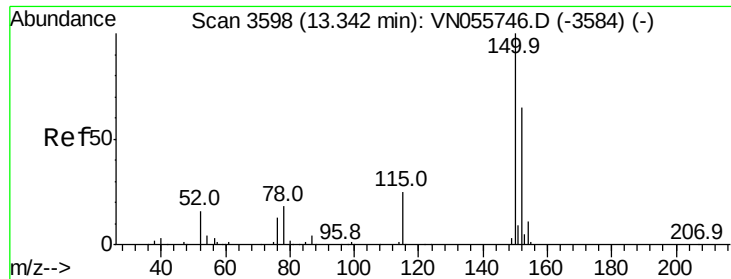
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5/24/2019 9:53:04 AM



#69
o-Xylene
Concen: 38.872 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055777.D
Acq: 24 May 2019 1:08

Tgt Ion:106 Resp: 261526
Ion Ratio Lower Upper
106 100
91 216.1 104.7 314.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN055777.D

Acq: 24 May 2019 1:08

Instrument :

MSVOA_N

ClientSampleId :

P-2(4.5-5.0)

Tot Ion:152 Resp: 302295

Ion Ratio Lower Upper

152 100

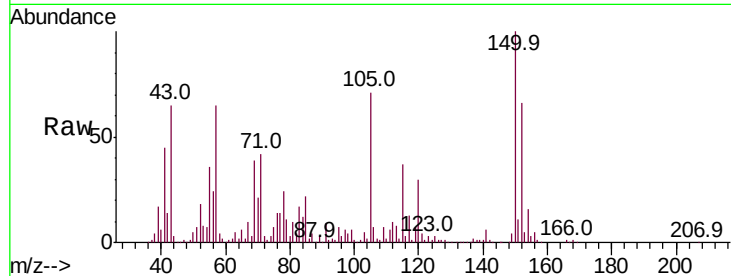
115 0.0 27.0 81.0#

150 146.9 0.0 343.2

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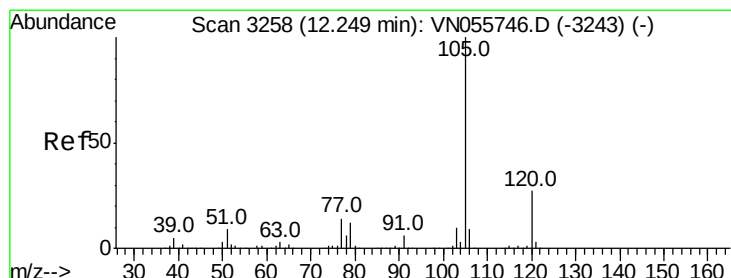
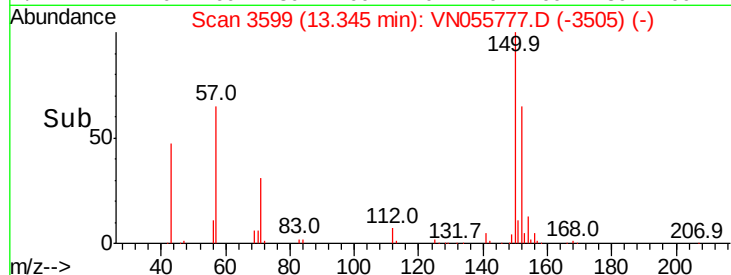
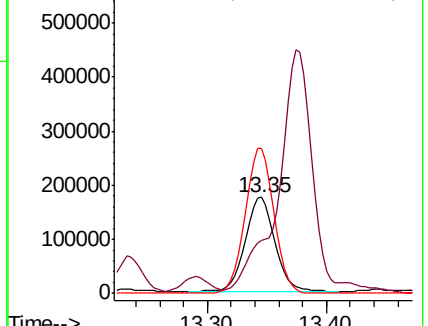
5/24/2019 9:53:04 AM



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: 548.804 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055777.D

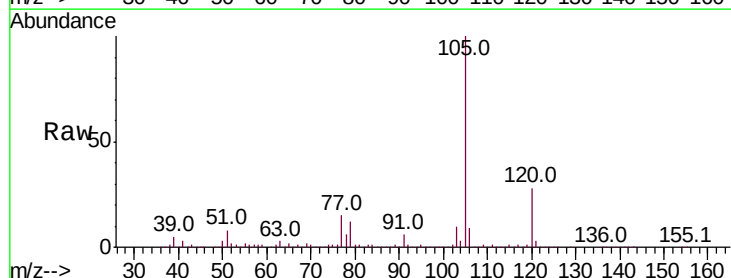
Acq: 24 May 2019 1:08

Tgt Ion:105 Resp:11229012

Ion Ratio Lower Upper

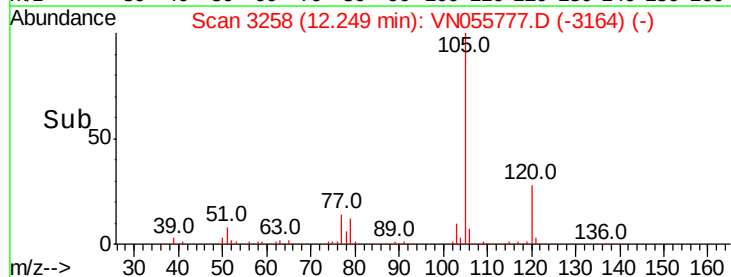
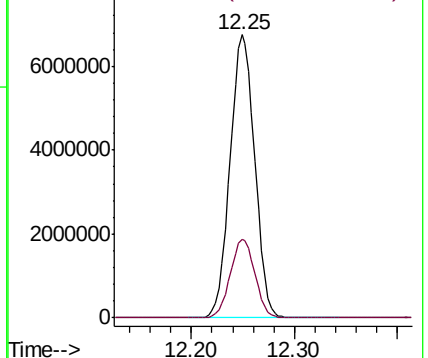
105 100

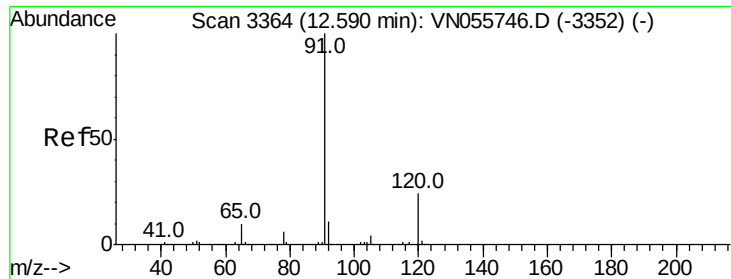
120 27.7 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 480.359 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN055777.D

Acq: 24 May 2019 1:08

Instrument :

MSVOA_N

ClientSampled :

P-2(4.5-5.0)

Tot Ion: 91 Resp:12620753

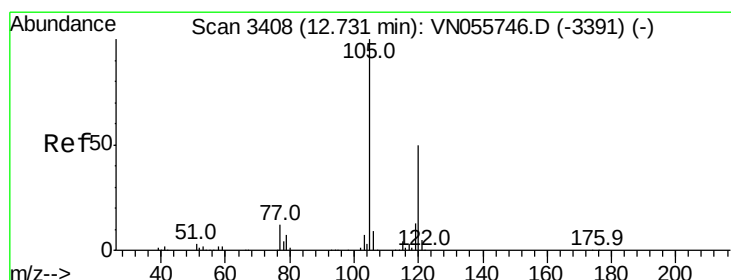
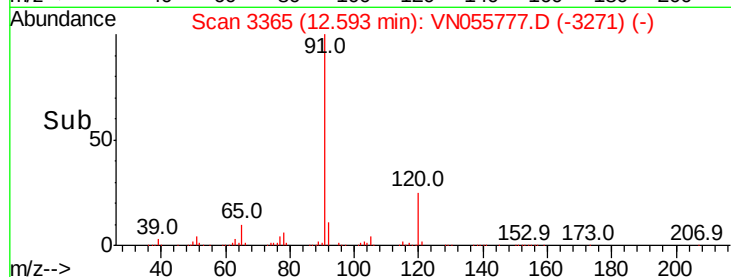
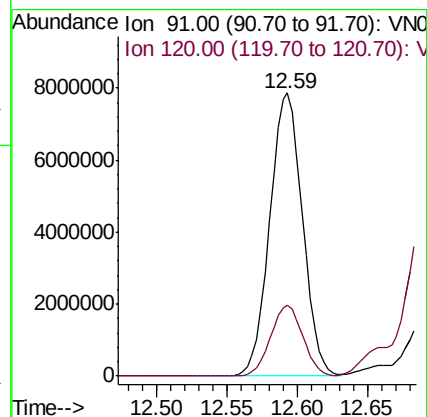
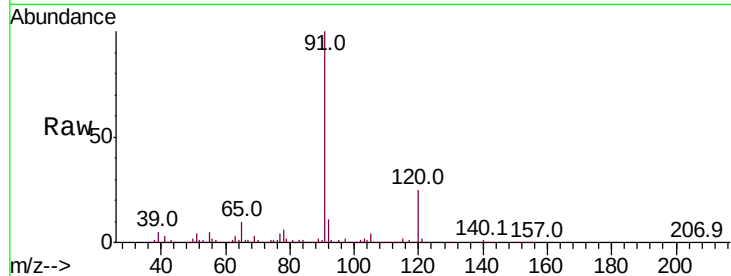
Ion Ratio Lower Upper

91 100

120 24.8 12.0 36.0

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#80

1,3,5-Trimethylbenzene

Concen: 1037.029 ug/l m

RT: 12.72 min Scan# 3406

Delta R.T. -0.01 min

Lab File: VN055777.D

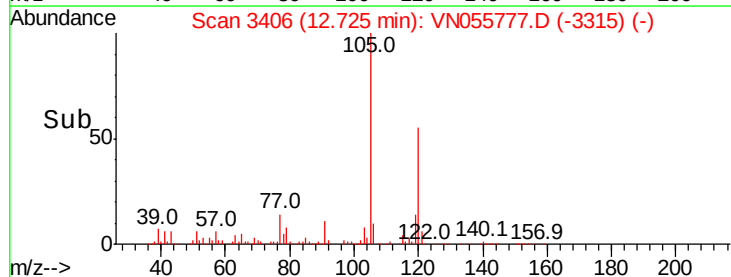
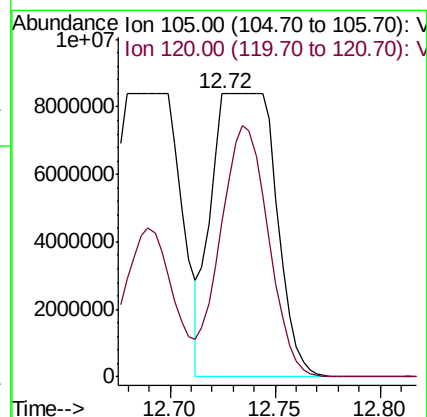
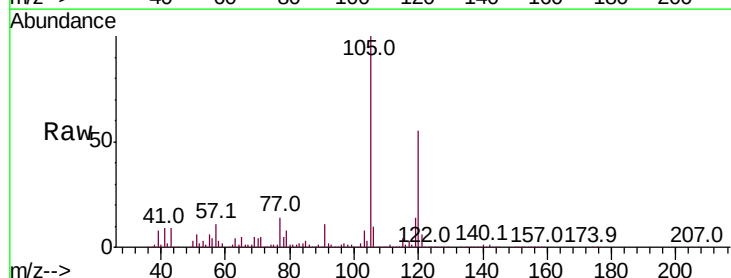
Acq: 24 May 2019 1:08

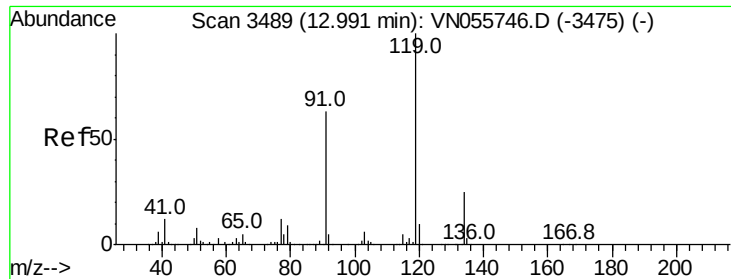
Tgt Ion:105 Resp:17855600

Ion Ratio Lower Upper

105 100

120 18.6 24.7 74.1#





#83

tert-Butylbenzene

Concen: 5.613 ug/l m

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN055777.D

Acq: 24 May 2019 1:08

Instrument :

MSVOA_N

ClientSampleId :

P-2(4.5-5.0)

Tot Ion:119 Resp: 129850

Ion Ratio Lower Upper

119 100

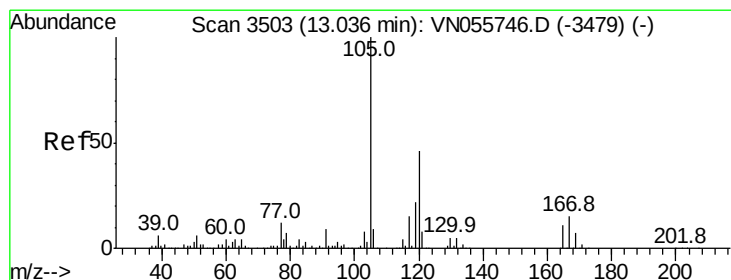
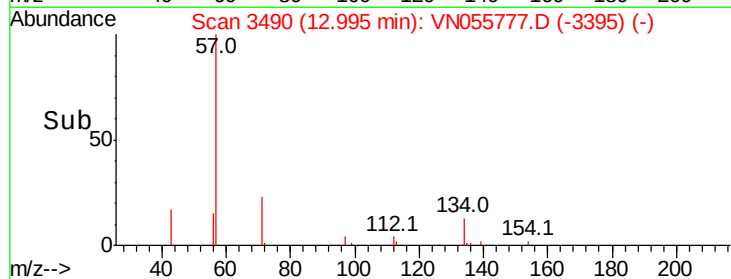
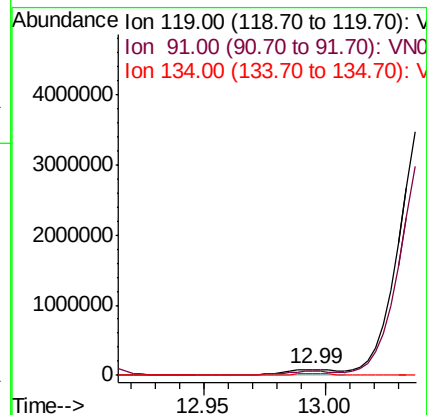
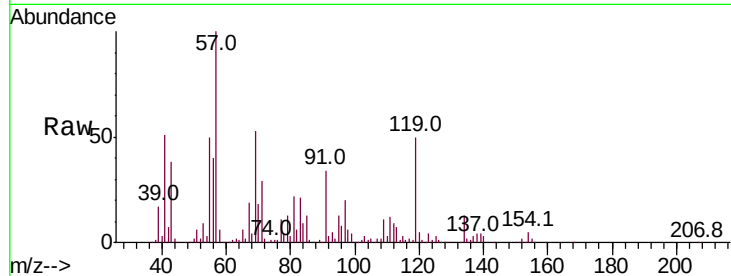
91 5363.1 30.9 92.8

134 0.0 13.3 39.8#

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#84

1,2,4-Trimethylbenzene

Concen: 1457.171 ug/l m

RT: 13.03 min Scan# 3500

Delta R.T. -0.01 min

Lab File: VN055777.D

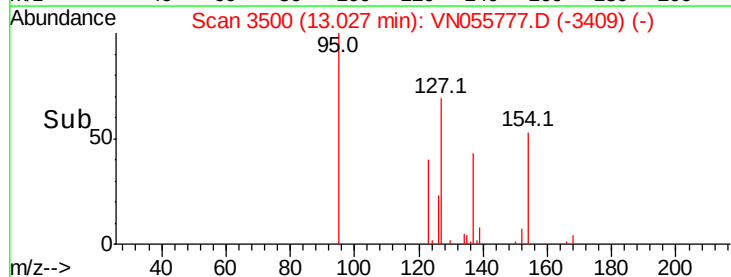
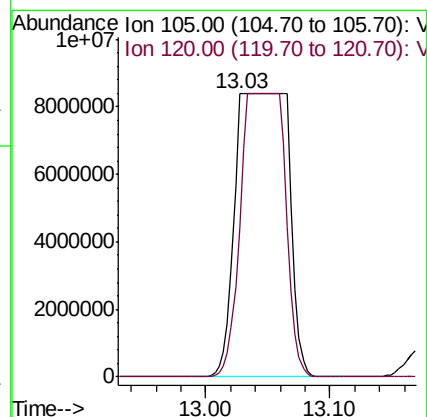
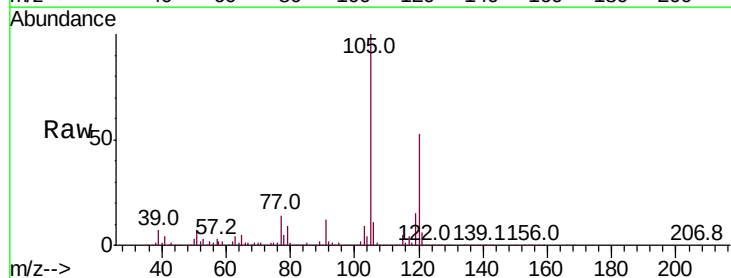
Acq: 24 May 2019 1:08

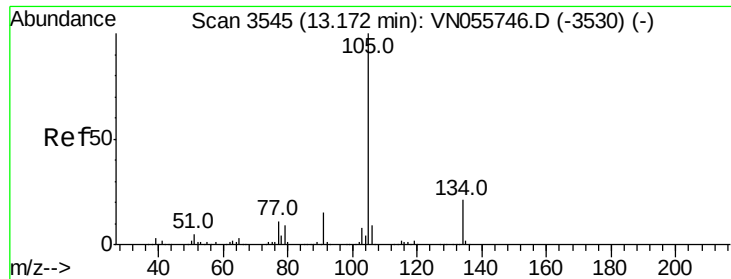
Tgt Ion:105 Resp:25141084

Ion Ratio Lower Upper

105 100

120 13.2 23.0 69.0#





#85

sec-Butylbenzene

Concen: 64.643 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055777.D

Acq: 24 May 2019 1:08

Instrument :

MSVOA_N

ClientSampleId :

P-2(4.5-5.0)

Tot Ion:105 Resp: 1301403

Ion Ratio Lower Upper

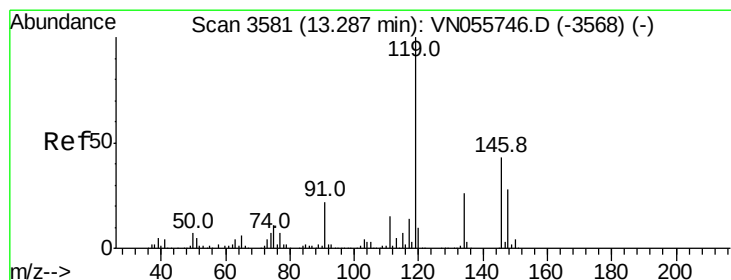
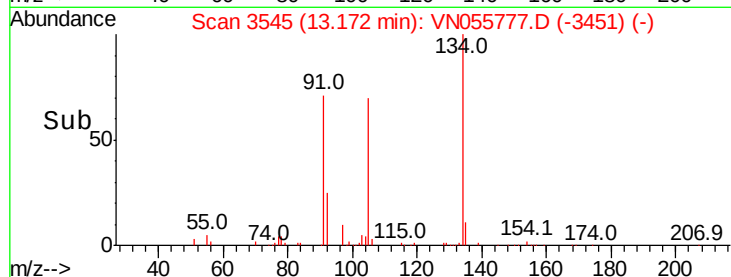
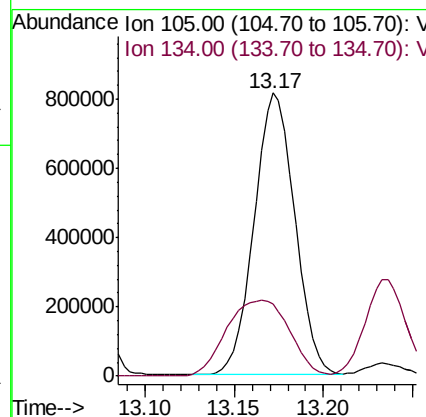
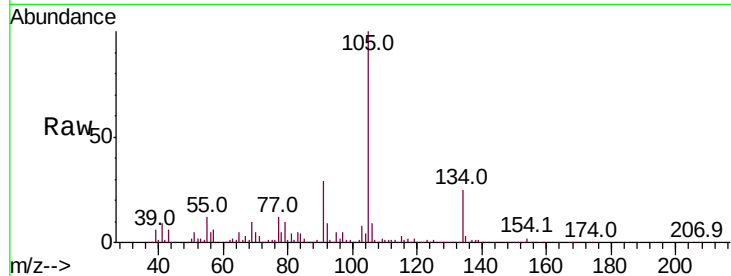
105 100

134 41.5 10.4 31.2#

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 30.650 ug/l m

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN055777.D

Acq: 24 May 2019 1:08

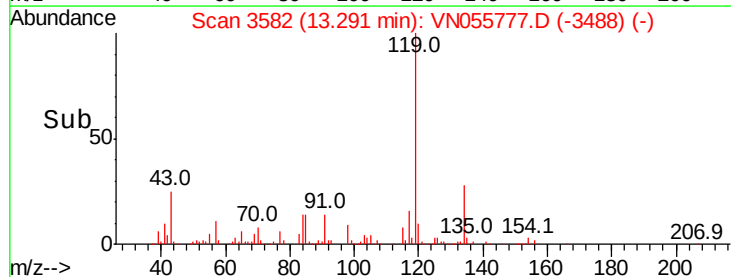
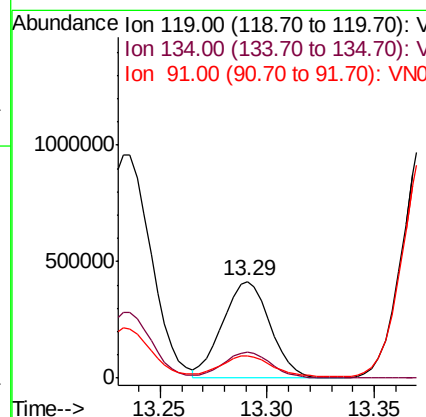
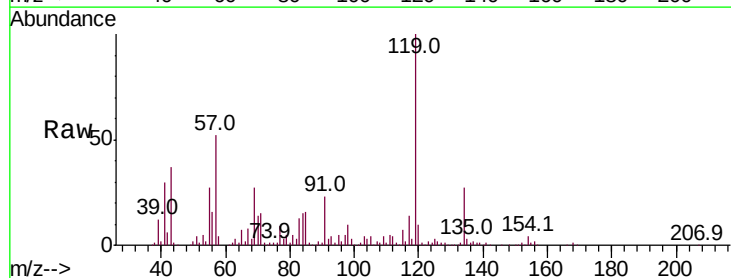
Tgt Ion:119 Resp: 643445

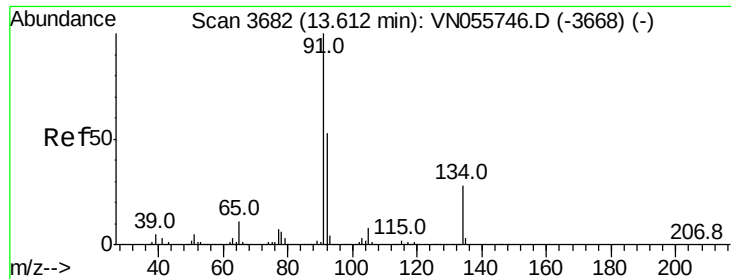
Ion Ratio Lower Upper

119 100

134 68.7 13.4 40.1#

91 47.9 10.9 32.9#





#89

n-Butylbenzene

Concen: 117.659 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN055777.D

Acq: 24 May 2019 1:08

Instrument :

MSVOA_N

ClientSampleId :

P-2(4.5-5.0)

Tot Ion: 91 Resp: 1892565

Ion Ratio Lower Upper

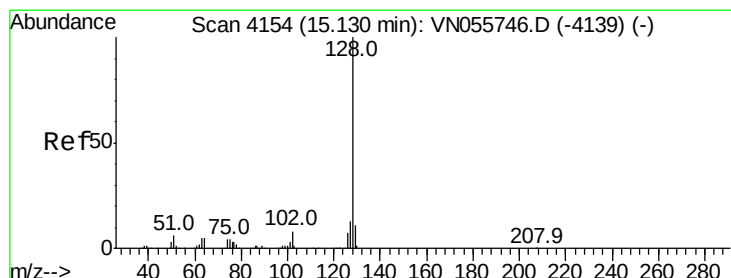
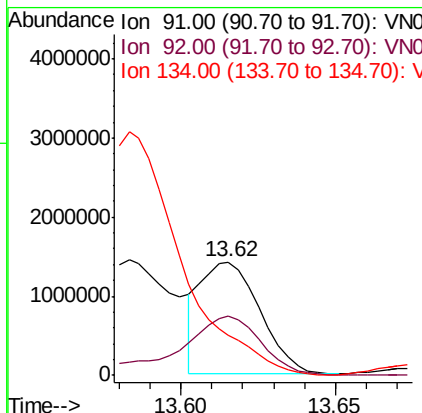
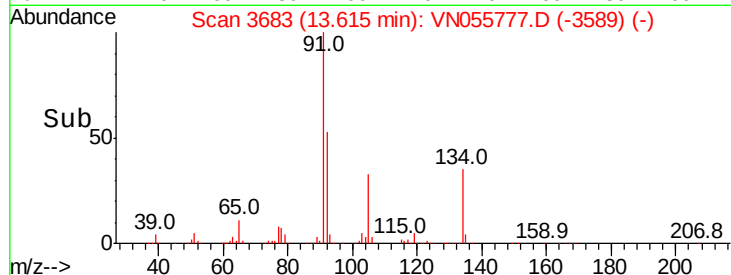
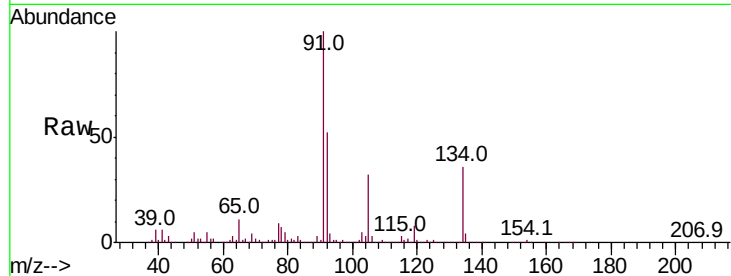
91 100

92 74.4 26.4 79.0

134 0.0 13.9 41.7#

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#95

Naphthalene

Concen: 637.782 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055777.D

Acq: 24 May 2019 1:08

Tgt Ion: 128 Resp: 8918649

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

129 11.0 8.7 13.1

