

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN052319\
 Data File : VN055776.D
 Acq On : 24 May 2019 00:43
 Operator : JC/SP
 Sample : K2996-05
 Misc : 5.27g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P-3(4.5-5.0)

Manual Integrations
 APPROVED

MMDadoda
 5/24/2019 9:52:58 AM

Quant Time: Jun 03 01:59:09 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	422096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	571505	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	506457	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	289920	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	191300	43.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.78%	
35) Dibromofluoromethane	7.59	113	171996	47.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.20%	
50) Toluene-d8	10.09	98	770292	55.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.16%	
62) 4-Bromofluorobenzene	12.40	95	326002	68.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	137.20%	
Target Compounds						
					Qvalue	
31) Cyclohexane	7.63	56	2891999	442.012	ug/l #	52
39) Methylcyclohexane	9.08	83	2596099	420.940	ug/l	92
40) Benzene	8.04	78	2963056	197.405	ug/l	99
52) Toluene	10.16	92	8829618	935.315	ug/l	96
67) Ethyl Benzene	11.50	91	18502664m	1017.659	ug/l	
68) m/p-Xylenes	11.61	106	24546841m	3571.217	ug/l	
69) o-Xylene	11.95	106	11384259	1669.380	ug/l #	1
73) Isopropylbenzene	12.25	105	5849896	296.823	ug/l	99
78) n-propylbenzene	12.59	91	9169520	363.898	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	13313346	805.625	ug/l	98
84) 1,2,4-Trimethylbenzene	13.03	105	22059098m	1332.904	ug/l	
85) sec-Butylbenzene	13.17	105	897323	45.778	ug/l #	56
86) p-Isopropyltoluene	13.29	119	411267m	20.427	ug/l	
89) n-Butylbenzene	13.61	91	1172690	76.017	ug/l #	61
95) Naphthalene	15.13	128	5714814	426.116	ug/l	100

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

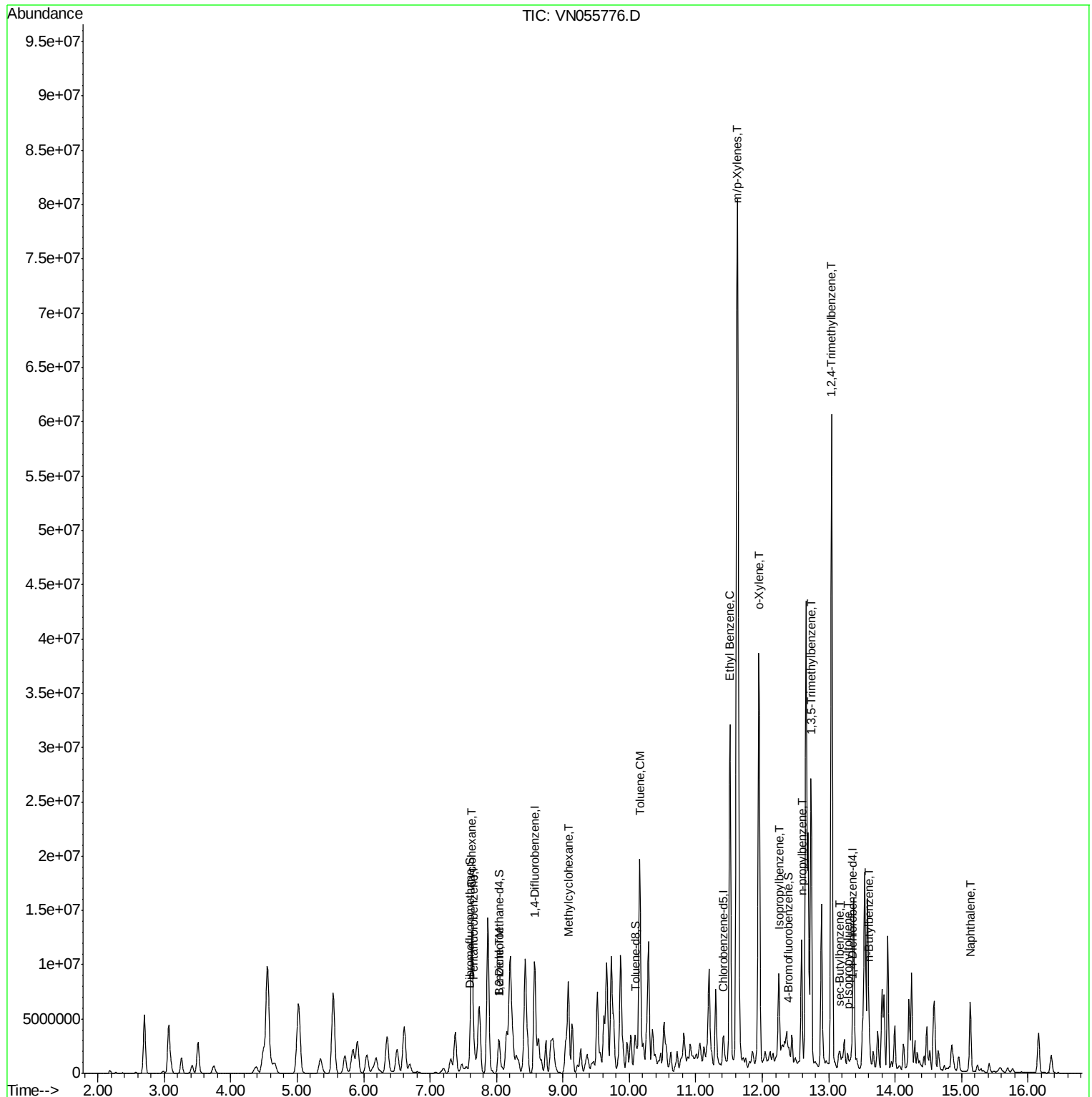
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN052319\  
Data File : VN055776.D  
Acq On    : 24 May 2019   00:43  
Operator  : JC/SP  
Sample    : K2996-05  
Misc      : 5.27a/5mL/100uL/5.00mL/MSVOA_N/MEOH  
ALS Vial  : 39      Sample Multiplier: 1
```

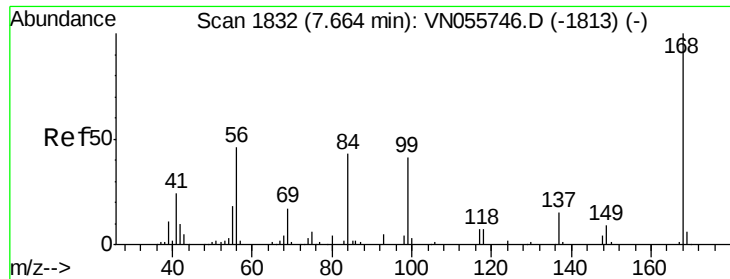
Instrument :
MSVOA_N
ClientSampleId :
P-3(4.5-5.0)

Manual Integrations
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MMDadoda
5/24/2019 9:52:58 AM

Quant Time: Jun 03 01:59:09 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# 1832

Delta R.T. 0.00 min

Lab File: VN055776.D

Acq: 24 May 2019 00:43

Instrument :

MSVOA_N

ClientSampleId :

P-3(4.5-5.0)

Tot Ion:168 Resp: 422096

Ion Ratio Lower Upper

168 100

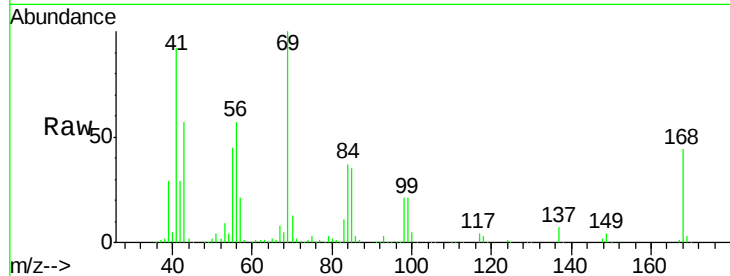
99 46.5 37.2 55.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

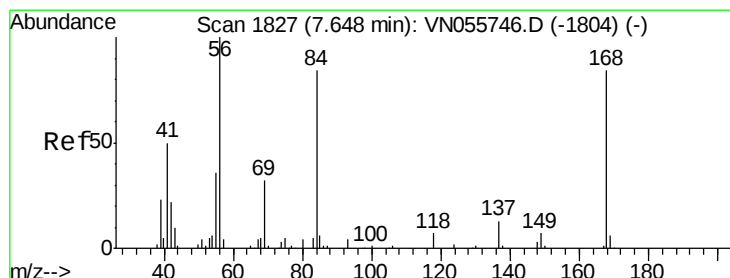
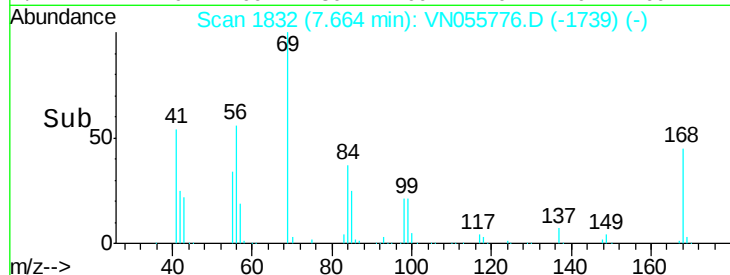
150000

100000

50000

0

Time-->



#31

Cyclohexane

Concen: 442.012 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. -0.02 min

Lab File: VN055776.D

Acq: 24 May 2019 00:43

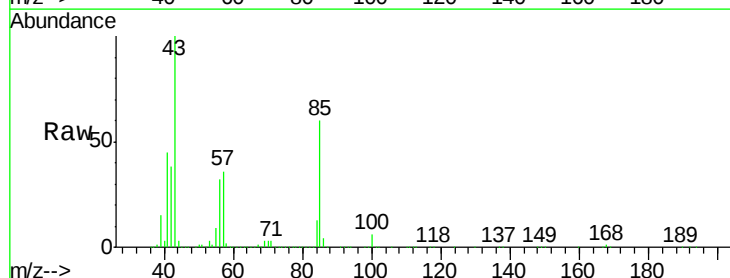
Tgt Ion: 56 Resp: 2891999

Ion Ratio Lower Upper

56 100

69 5.7 25.6 38.4#

84 40.6 67.4 101.0#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO

7.63

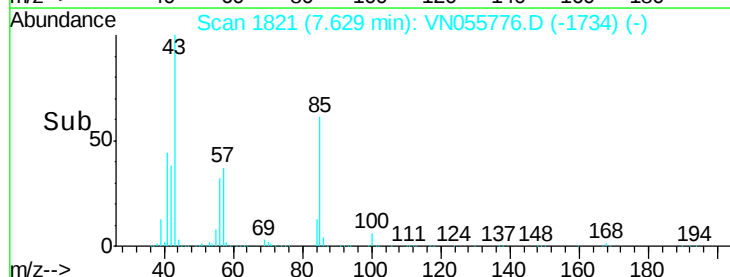
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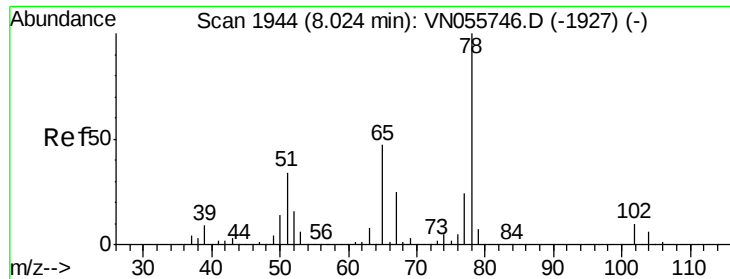
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500000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 43.885 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN055776.D

Acq: 24 May 2019 00:43

Instrument :

MSVOA_N

ClientSampleId :

P-3(4.5-5.0)

Tot Ion: 65 Resp: 191300

Ion Ratio Lower Upper

65 100

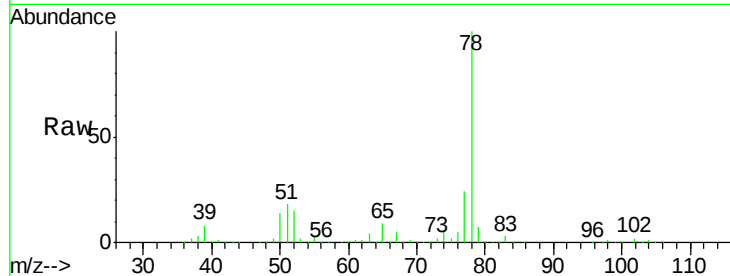
67 67.9 0.0 109.2

Manual Integrations

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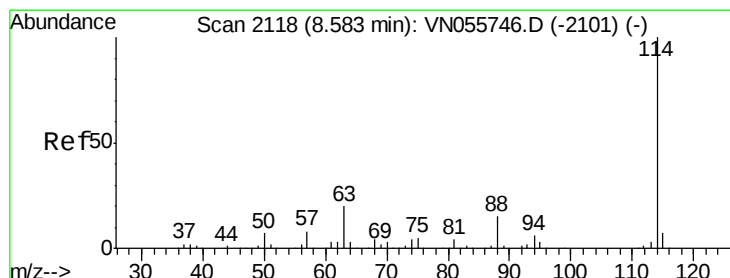
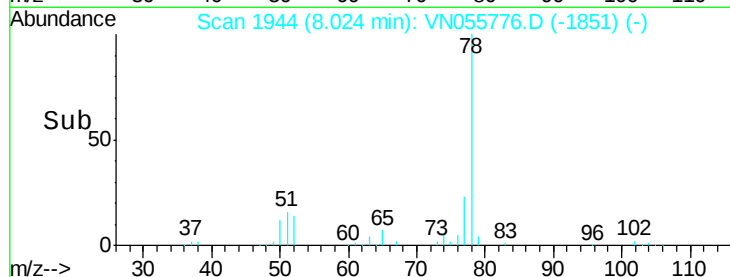
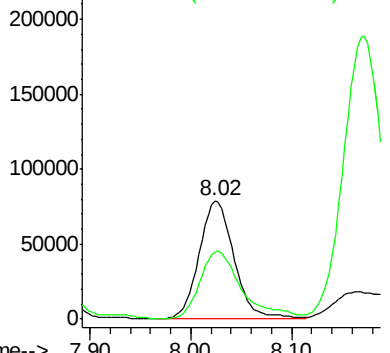
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Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN055776.D

Acq: 24 May 2019 00:43

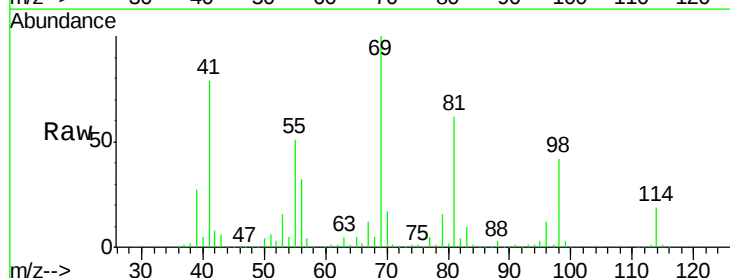
Tgt Ion: 114 Resp: 571505

Ion Ratio Lower Upper

114 100

63 28.4 0.0 39.2

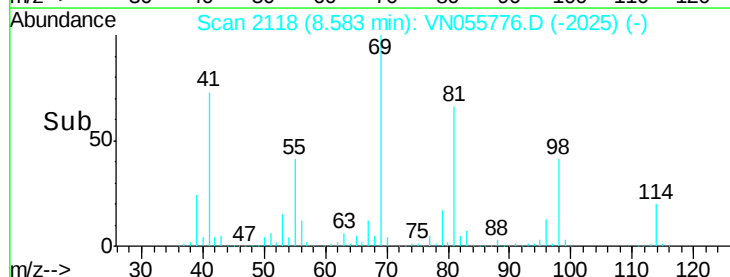
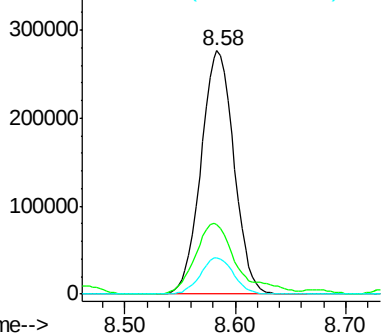
88 15.1 0.0 31.0

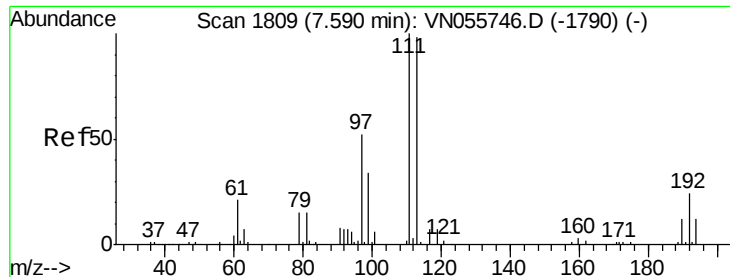


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0





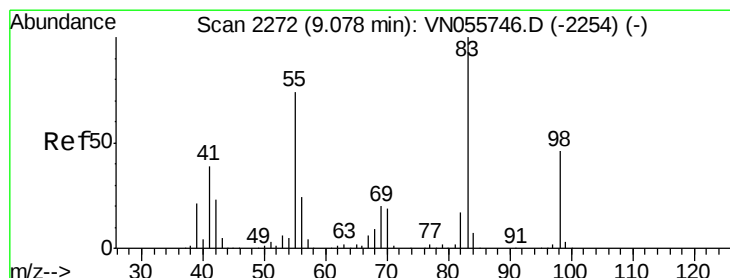
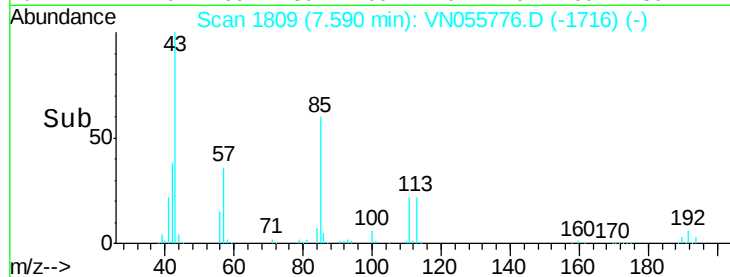
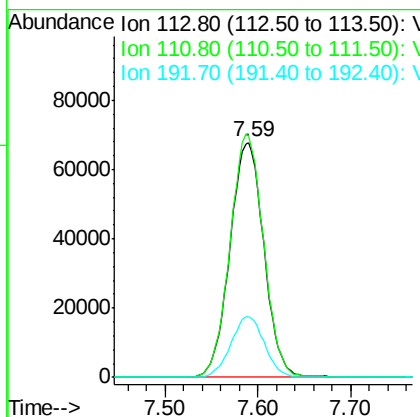
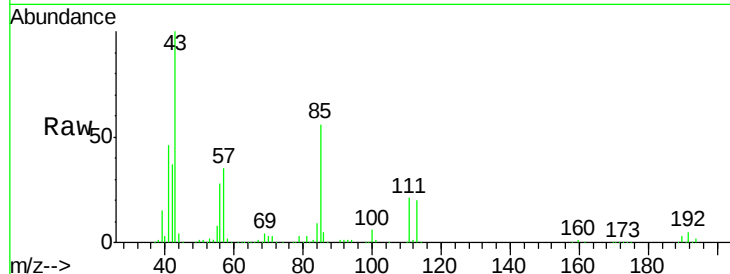
#35
 Dibromofluoromethane
 Concen: 47.601 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055776.D
 Acq: 24 May 2019 00:43

Instrument :
 MSVOA_N
 ClientSampleId :
 P-3(4.5-5.0)

Tot Ion	Ratio	Resp	Lower	Upper
113	100	171996		
111	101.8	81.9	122.9	
192	25.5	19.5	29.3	

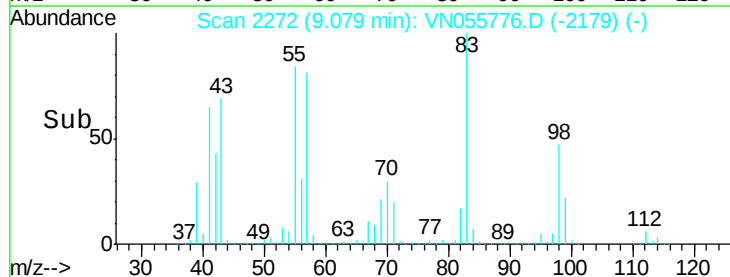
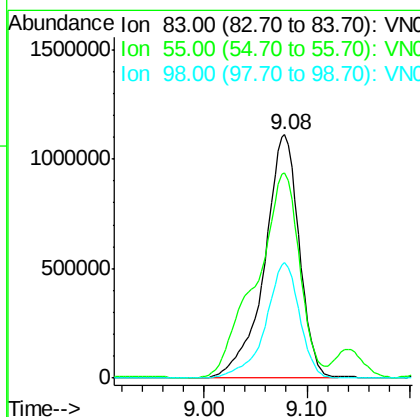
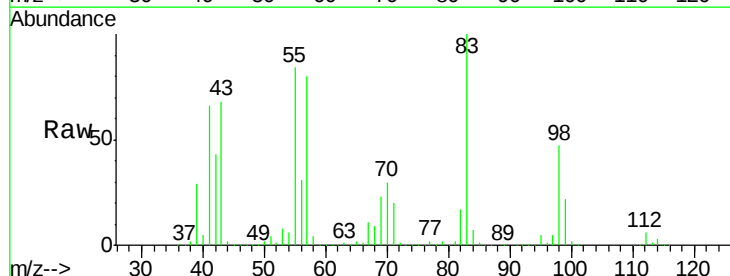
Manual Integrations
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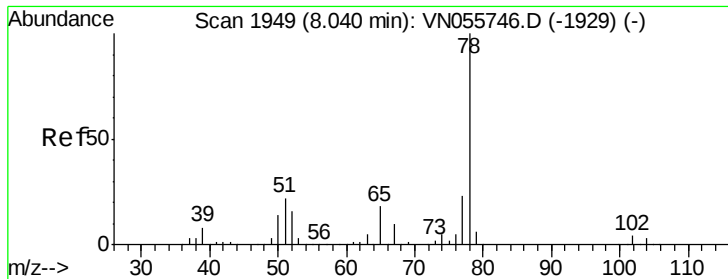
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#39
 Methylcyclohexane
 Concen: 420.940 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN055776.D
 Acq: 24 May 2019 00:43

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	2596099		
55	84.3	59.3	88.9	
98	47.3	36.6	54.8	





#40

Benzene

Concen: 197.405 ug/l

RT: 8.04 min Scan# 1948

Delta R.T. -0.00 min

Lab File: VN055776.D

Acq: 24 May 2019 00:43

Instrument :

MSVOA_N

ClientSampled :

P-3(4.5-5.0)

Tot Ion: 78 Resp: 2963056

Ion Ratio Lower Upper

78 100

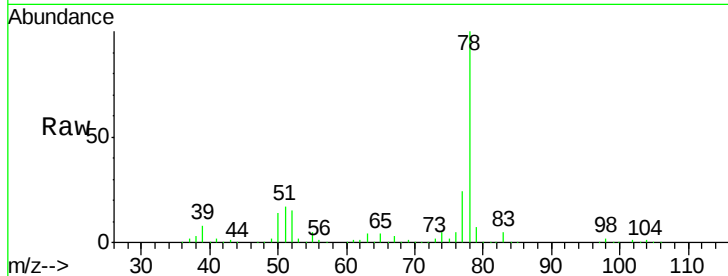
77 23.8 18.8 28.2

Manual Integrations

APPROVED

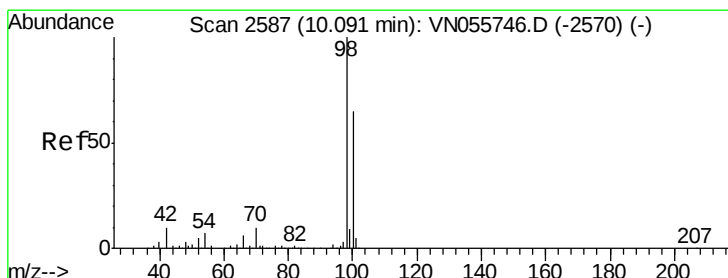
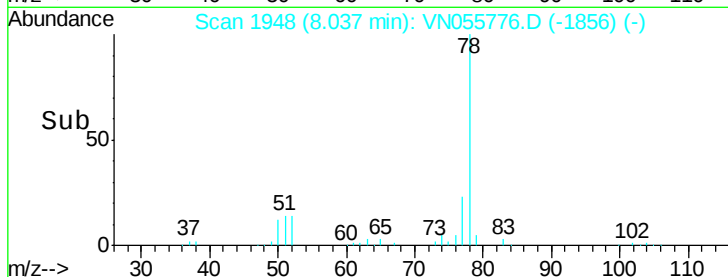
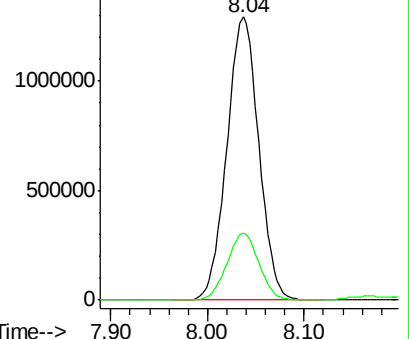
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Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#50

Toluene-d8

Concen: 55.576 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055776.D

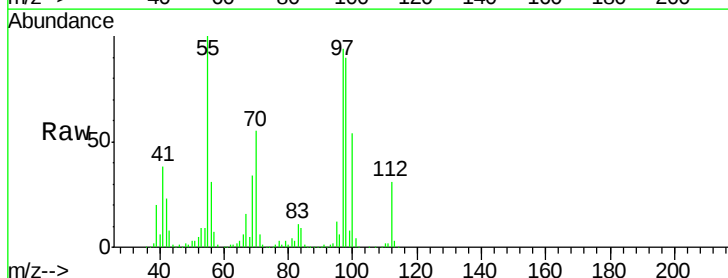
Acq: 24 May 2019 00:43

Tgt Ion: 98 Resp: 770292

Ion Ratio Lower Upper

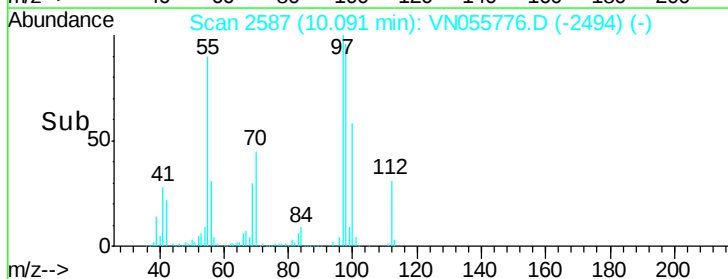
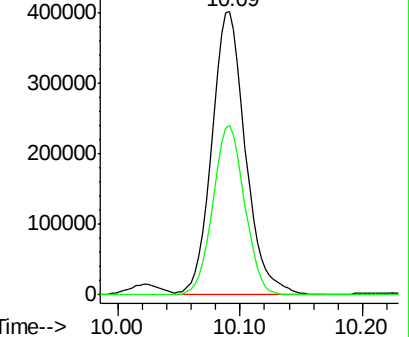
98 100

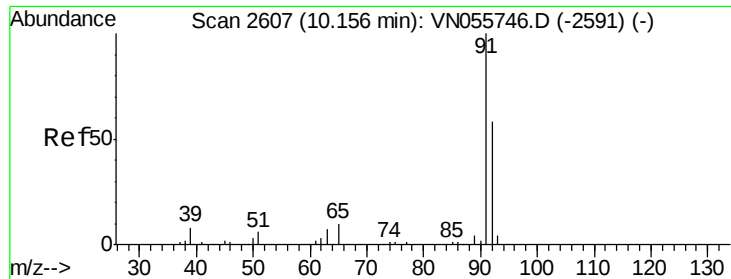
100 56.6 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#52

Toluene

Concen: 935.315 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055776.D

Acq: 24 May 2019 00:43

Instrument :

MSVOA_N

ClientSampleId :

P-3(4.5-5.0)

Tot Ion: 92 Resp: 8829618

Ion Ratio Lower Upper

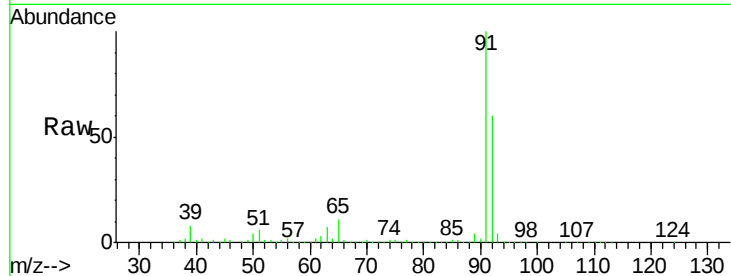
92 100

91 168.8 139.4 209.2

Manual Integrations
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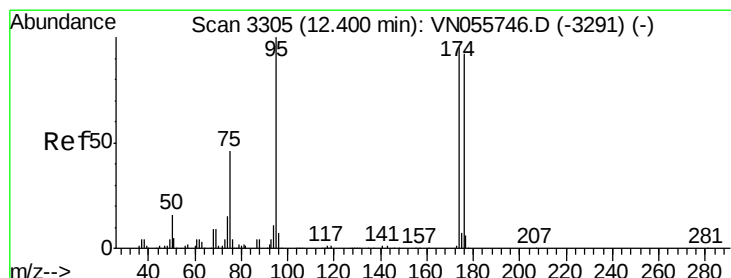
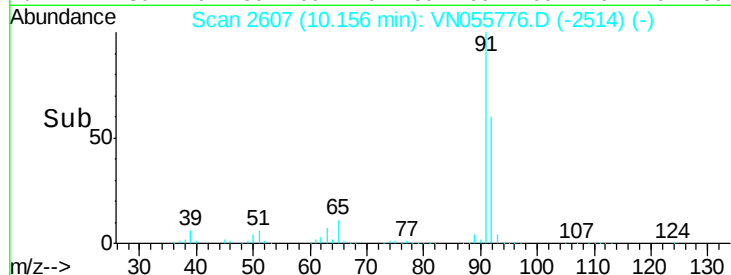
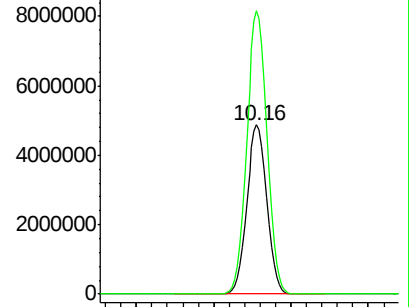
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Abundance Ion 92.00 (91.70 to 92.70): VN055776.D (-2514) (-)

Ion 91.00 (90.70 to 91.70): VN055776.D (-2514) (-)



#62

4-Bromofluorobenzene

Concen: 68.596 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055776.D

Acq: 24 May 2019 00:43

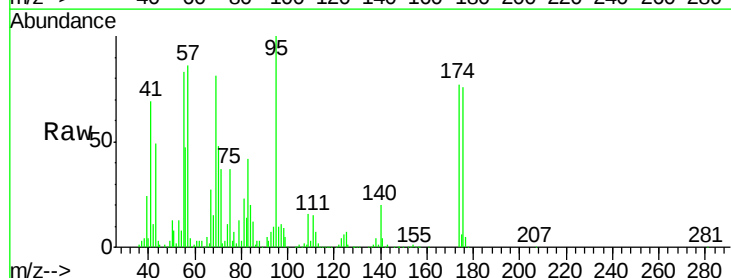
Tgt Ion: 95 Resp: 326002

Ion Ratio Lower Upper

95 100

174 73.0 0.0 191.0

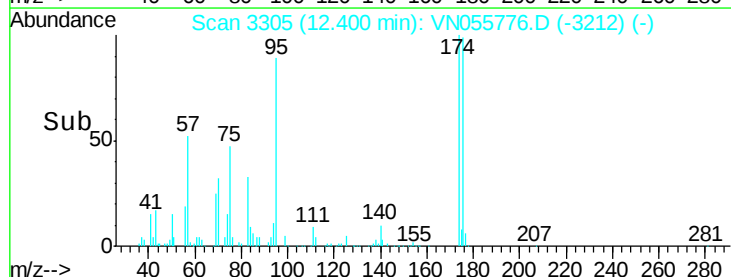
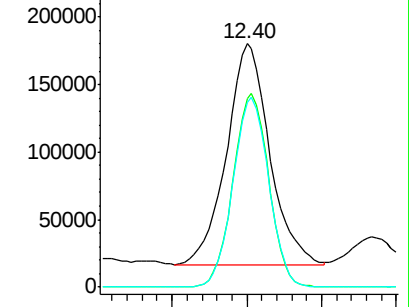
176 71.7 0.0 185.2

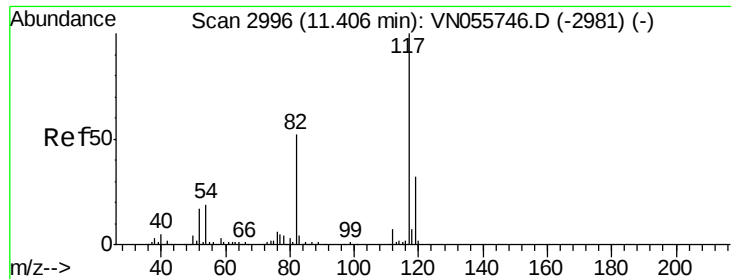


Abundance Ion 94.90 (94.60 to 95.60): VN055776.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN055776.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN055776.D (-3212) (-)





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN055776.D

Acq: 24 May 2019 00:43

Instrument :

MSVOA_N

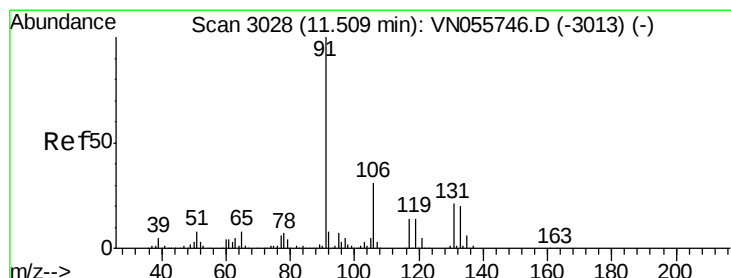
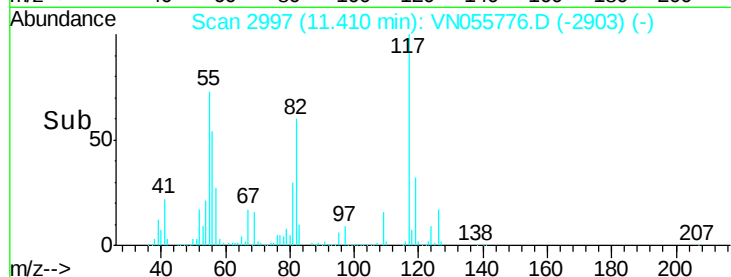
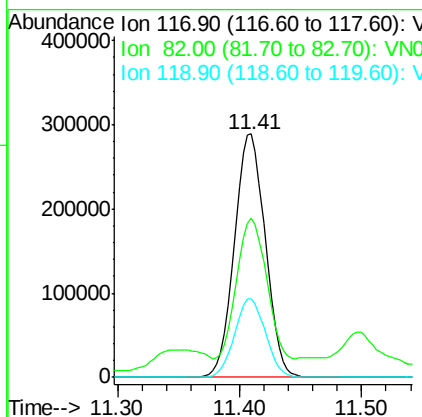
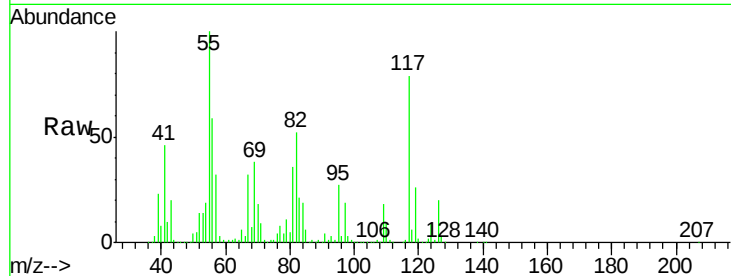
ClientSampleId :

P-3(4.5-5.0)

Tot Ion:	117	Resp:	506457
Ion Ratio		Lower	Upper
117	100		
82	54.4	41.8	62.8
119	32.5	25.4	38.0

Manual Integrations
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#67

Ethyl Benzene

Concen: 1017.659 ug/l m

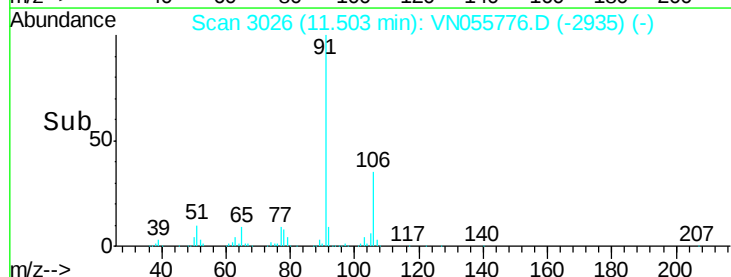
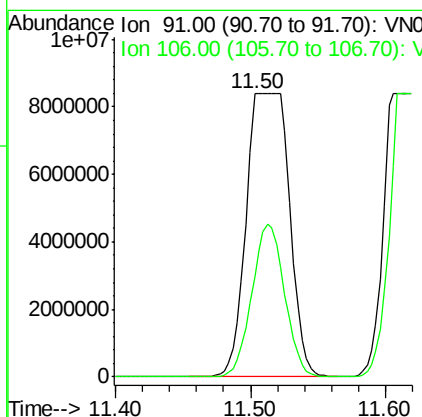
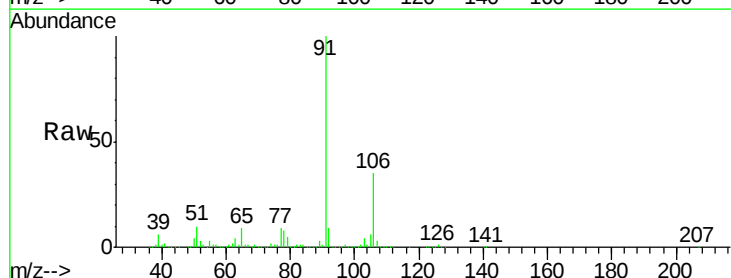
RT: 11.50 min Scan# 3026

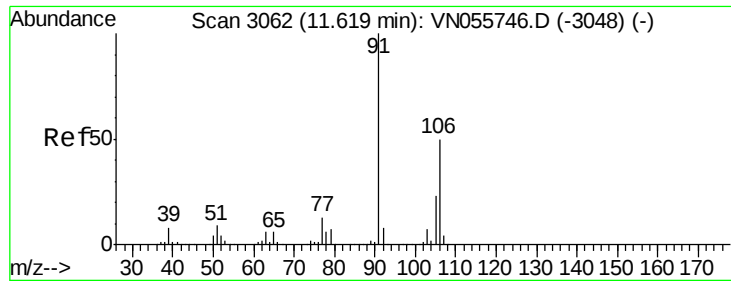
Delta R.T. -0.01 min

Lab File: VN055776.D

Acq: 24 May 2019 00:43

Tgt Ion:	91	Resp:	18502664
Ion Ratio		Lower	Upper
91	100		
106	35.5	25.1	37.7





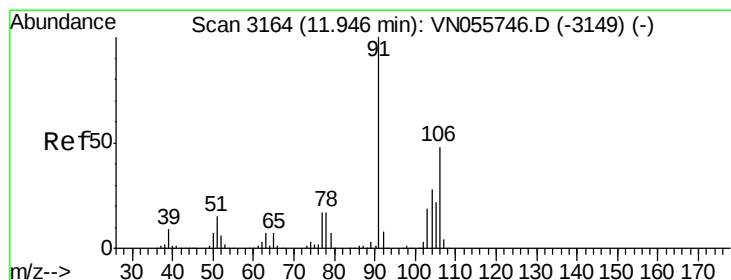
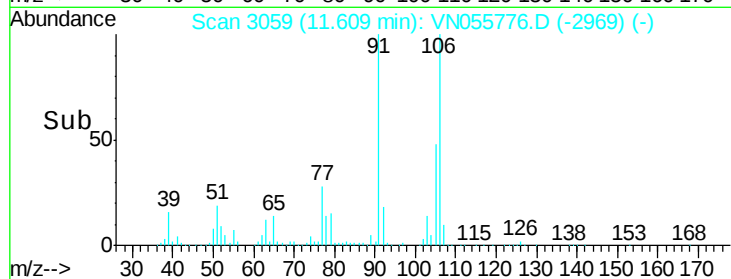
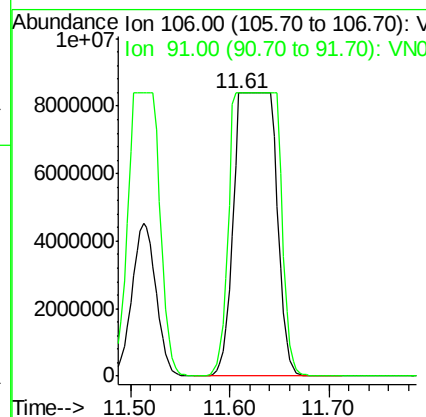
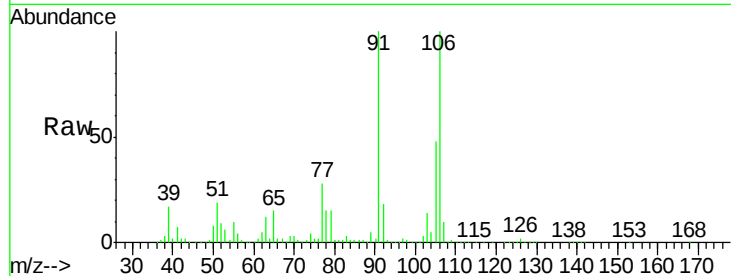
#68
m/p-Xylenes
Concen: 3571.217 ug/l m
RT: 11.61 min Scan# 3059
Delta R.T. -0.01 min
Lab File: VN055776.D
Acq: 24 May 2019 00:43

Instrument :
MSVOA_N
ClientSampleId :
P-3(4.5-5.0)

Tot Ion:106 Resp:24546841
Ion Ratio Lower Upper
106 100
91 0.0 159.3 238.9#

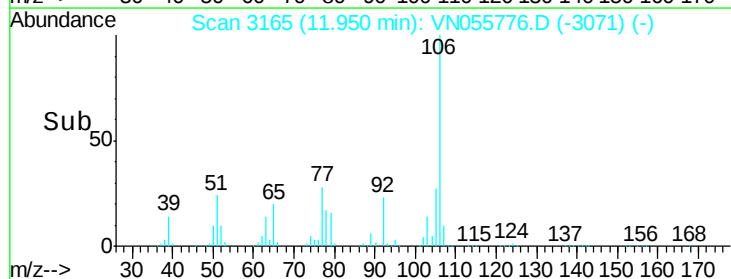
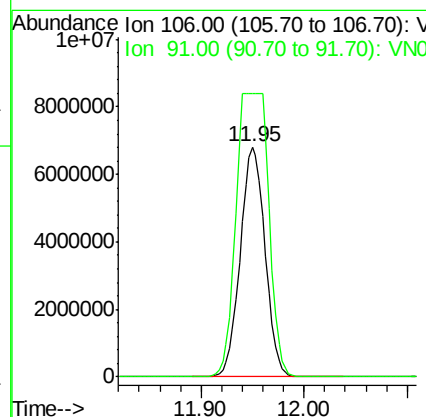
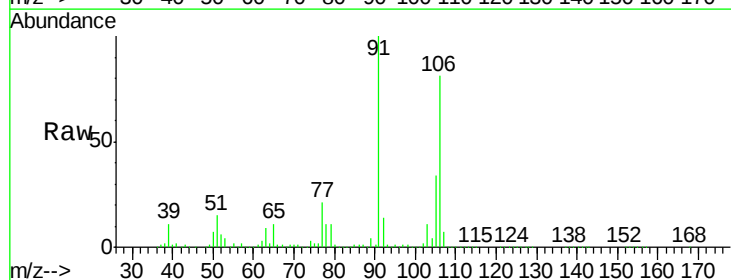
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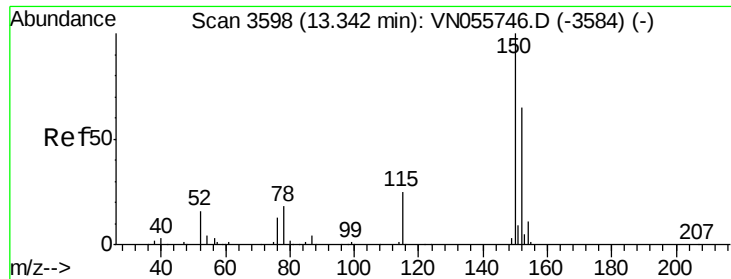
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#69
o-Xylene
Concen: 1669.380 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN055776.D
Acq: 24 May 2019 00:43

Tgt Ion:106 Resp:11384259
Ion Ratio Lower Upper
106 100
91 0.0 104.7 314.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN055776.D

Acq: 24 May 2019 00:43

Instrument :

MSVOA_N

ClientSampleId :

P-3(4.5-5.0)

Tot Ion:152 Resp: 289920

Ion Ratio Lower Upper

152 100

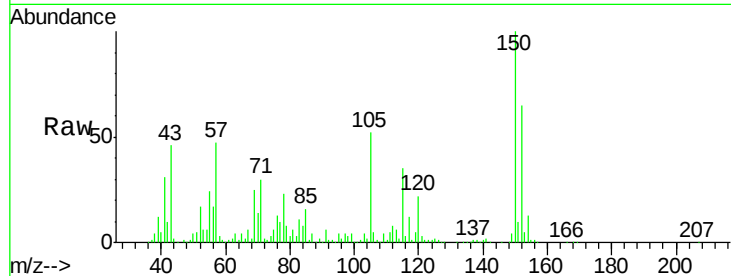
115 42.5 27.0 81.0

150 152.9 0.0 343.2

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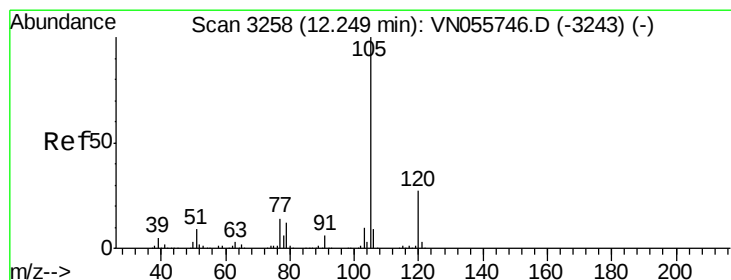
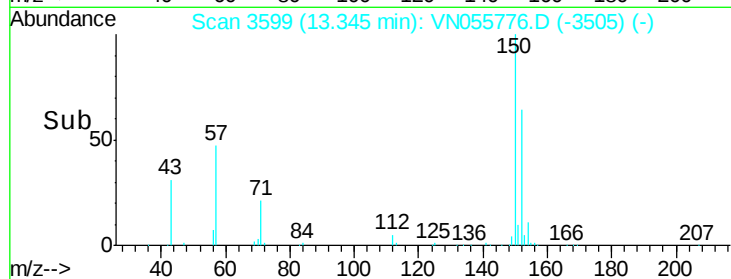
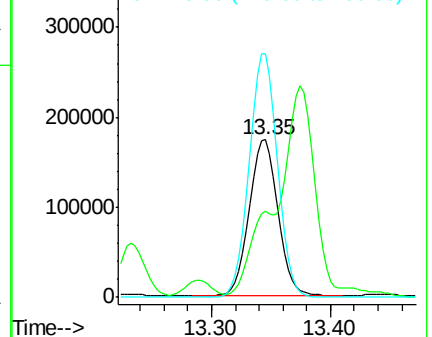
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 296.823 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055776.D

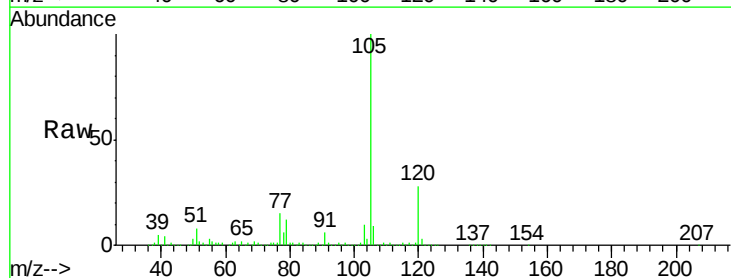
Acq: 24 May 2019 00:43

Tgt Ion:105 Resp: 5849896

Ion Ratio Lower Upper

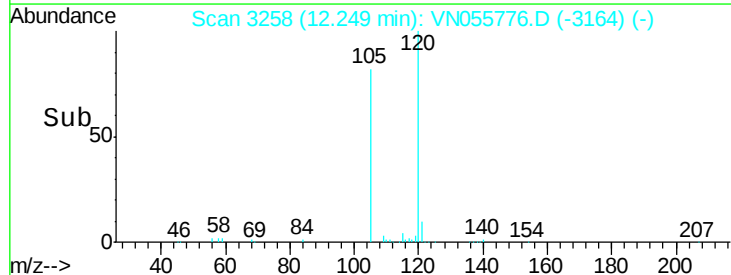
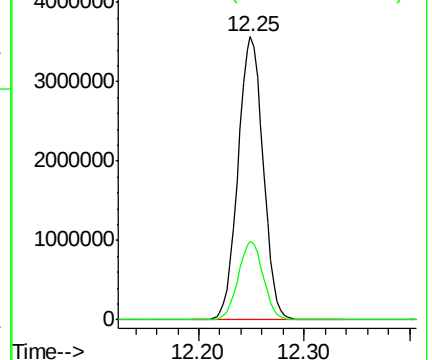
105 100

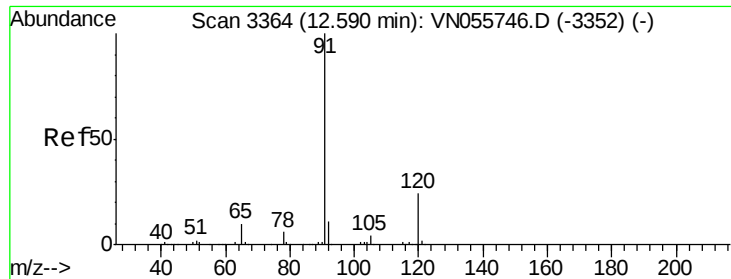
120 27.5 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 363.898 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN055776.D

Acq: 24 May 2019 00:43

Instrument :

MSVOA_N

ClientSampleId :

P-3(4.5-5.0)

Tot Ion: 91 Resp: 9169520

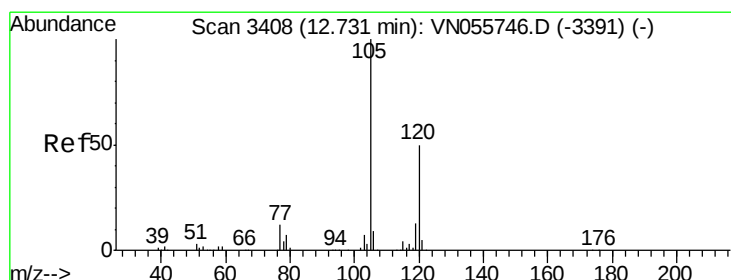
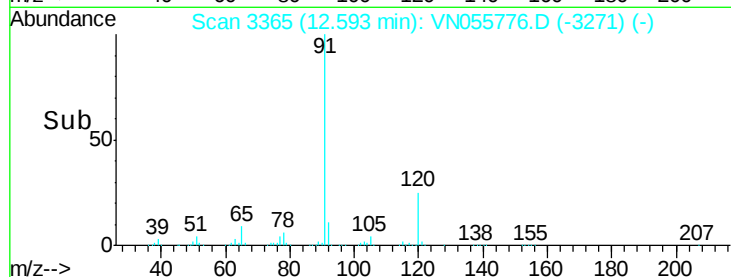
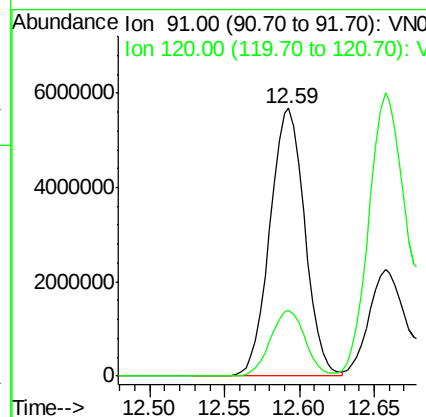
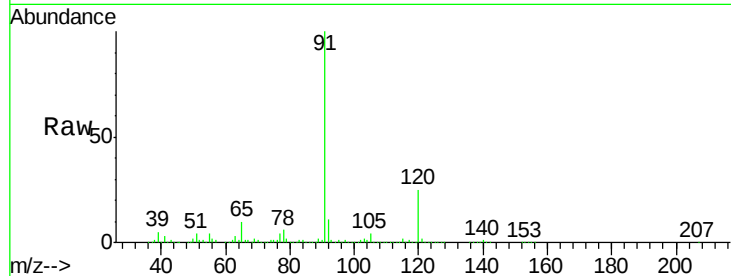
Ion Ratio Lower Upper

91 100

120 24.6 12.0 36.0

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#80

1,3,5-Trimethylbenzene

Concen: 805.625 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN055776.D

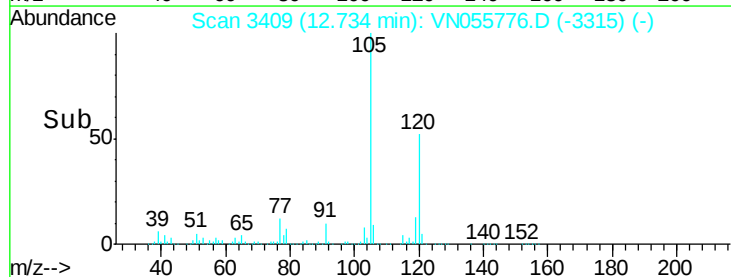
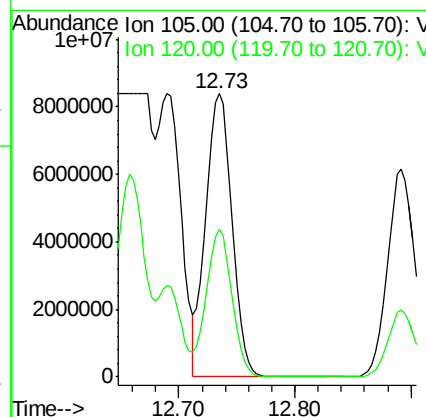
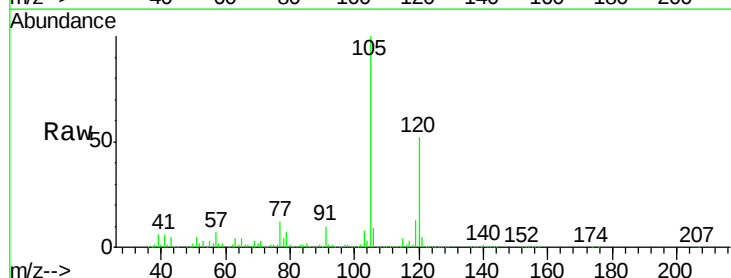
Acq: 24 May 2019 00:43

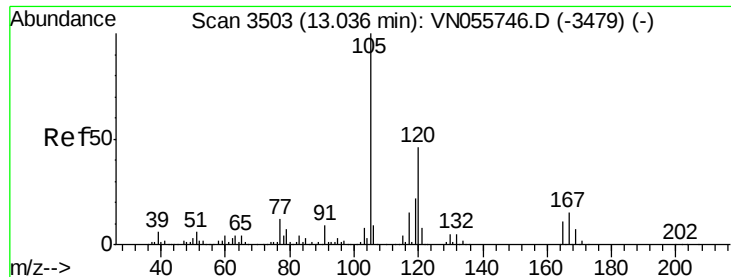
Tgt Ion:105 Resp:13313346

Ion Ratio Lower Upper

105 100

120 50.9 24.7 74.1





#84

1,2,4-Trimethylbenzene

Concen: 1332.904 ug/l

RT: 13.03 min Scan# 3501

Delta R.T. -0.01 min

Lab File: VN055776.D

Acq: 24 May 2019 00:43

Instrument :

MSVOA_N

ClientSampleId :

P-3(4.5-5.0)

Tot Ion:105 Resp:22059098

Ion Ratio Lower Upper

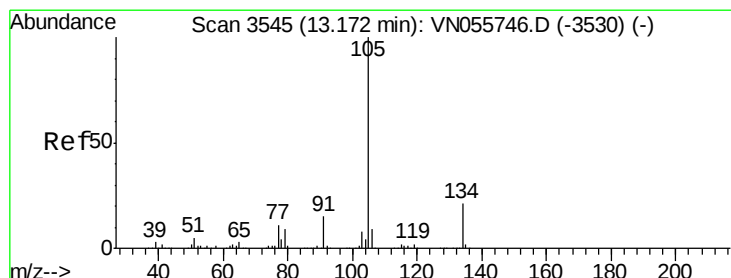
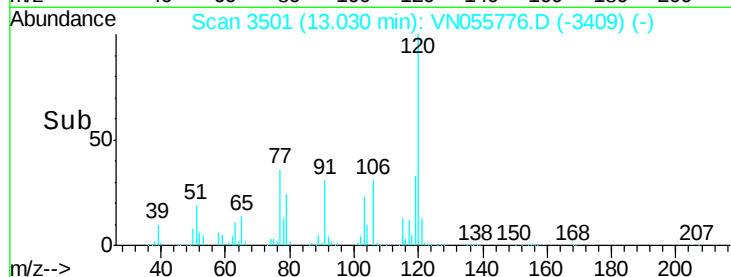
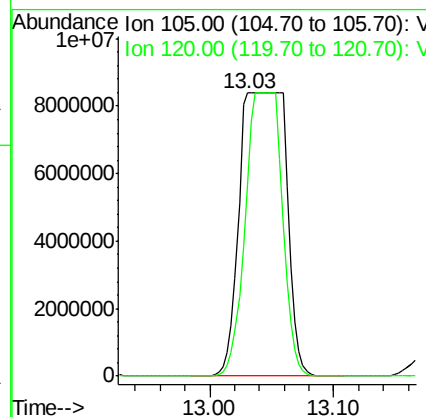
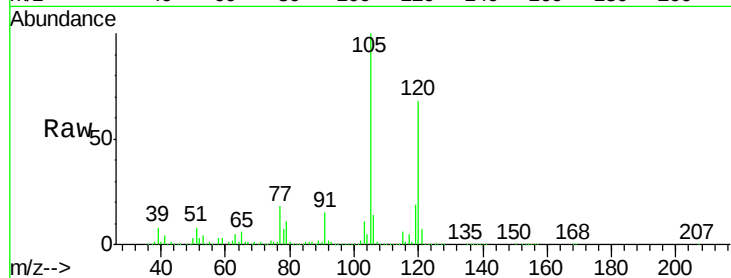
105 100

120 14.6 23.0 69.0#

Manual Integrations
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#85

sec-Butylbenzene

Concen: 45.778 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055776.D

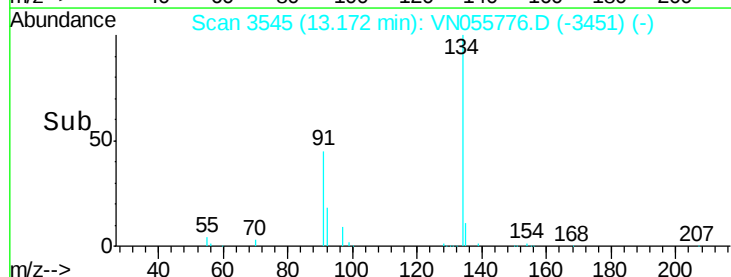
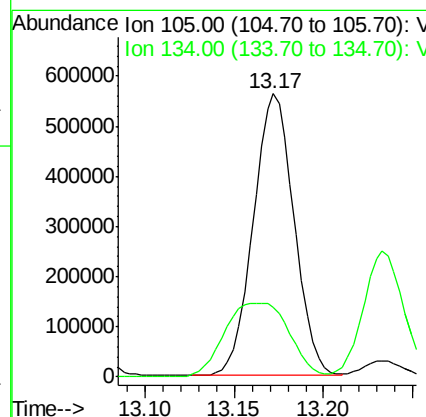
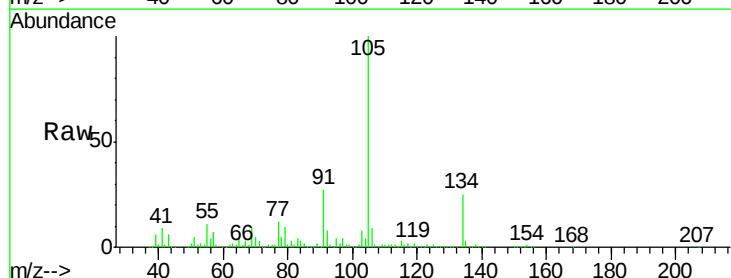
Acq: 24 May 2019 00:43

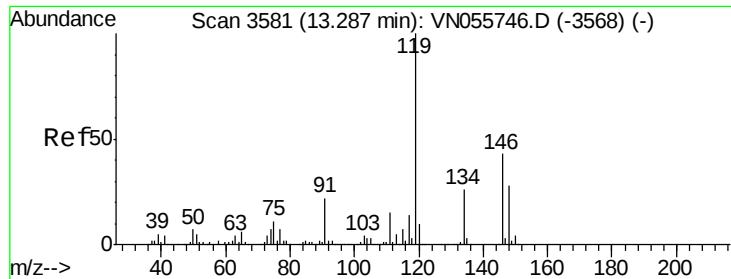
Tgt Ion:105 Resp: 897323

Ion Ratio Lower Upper

105 100

134 41.2 10.4 31.2#





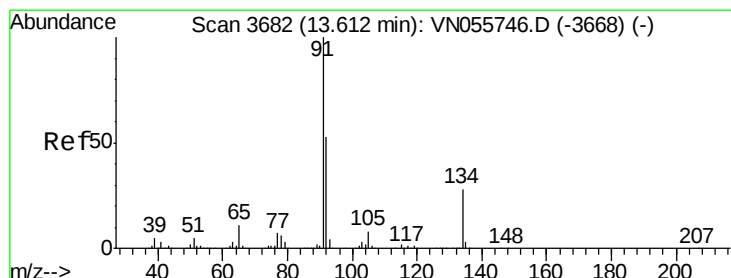
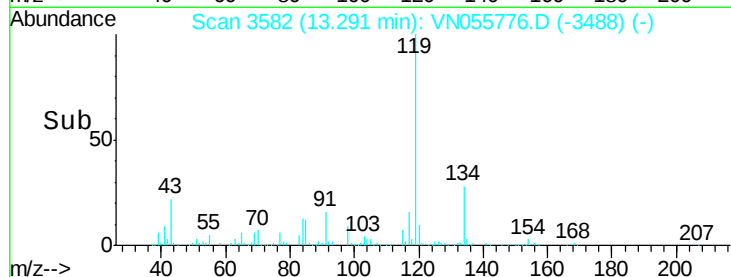
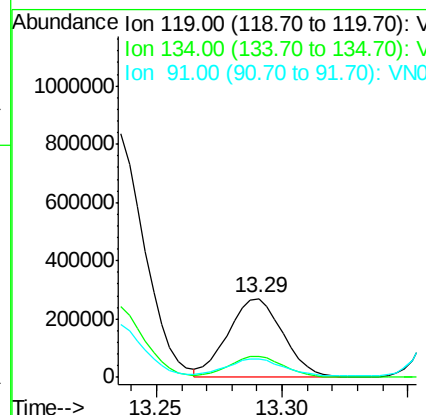
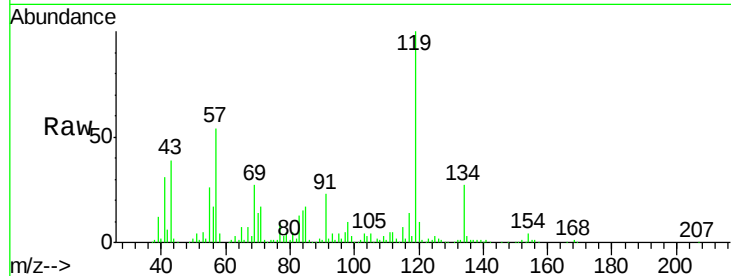
#86
p-Isopropyltoluene
Concen: 20.427 ug/l m
RT: 13.29 min Scan# 3582
Delta R.T. 0.00 min
Lab File: VN055776.D
Acq: 24 May 2019 00:43

Instrument :
MSVOA_N
ClientSampleId :
P-3(4.5-5.0)

Tot Ion	Ratio	Lower	Upper
119	100		
134	95.2	13.4	40.1#
91	67.0	10.9	32.9#

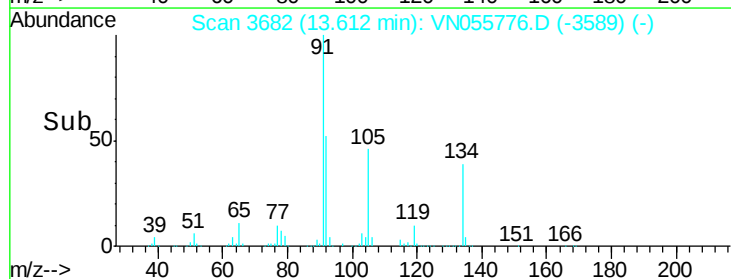
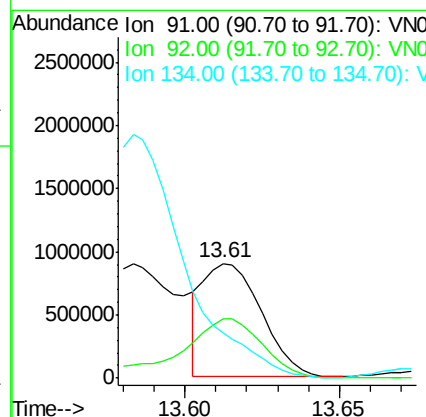
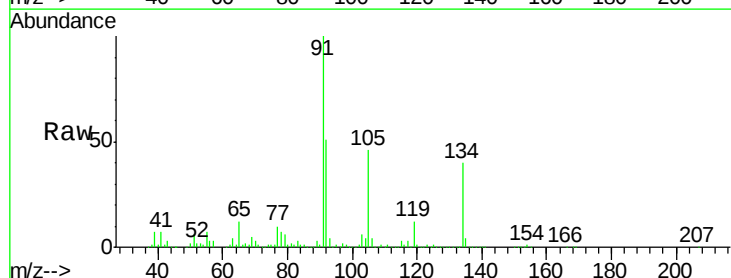
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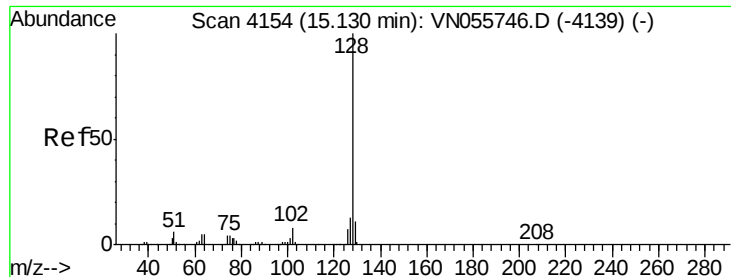
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#89
n-Butylbenzene
Concen: 76.017 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055776.D
Acq: 24 May 2019 00:43

Tgt Ion	Ratio	Lower	Upper
91	100		
92	75.1	26.4	79.0
134	0.0	13.9	41.7#





#95
Naphthalene
Concen: 426.116 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN055776.D
Acq: 24 May 2019 00:43

Instrument :
MSVOA_N
ClientSampleId :
P-3(4.5-5.0)

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	11.0	8.7	13.1

Manual Integrations
APPROVED

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5/24/2019 9:52:58 AM

