

Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN052319\
 Data File : VN055772.D
 Acq On : 23 May 2019 23:02
 Operator : JC/SP
 Sample : K2996-10 10X
 Misc : 5.72g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P-9(4.5-5.0)

Manual Integrations
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MMDadoda
 5/24/2019 9:49:49 AM

Quant Time: Jun 03 02:00:44 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	429598	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	584337	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	533135	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	257206	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	187342	42.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.46%	
35) Dibromofluoromethane	7.59	113	174292	47.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.36%	
50) Toluene-d8	10.09	98	704744	49.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.46%	
62) 4-Bromofluorobenzene	12.40	95	262364	53.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.98%	
Target Compounds						
					Qvalue	
31) Cyclohexane	7.63	56	174750	26.242	ug/l #	56
39) Methylcyclohexane	9.08	83	274138	43.474	ug/l	94
40) Benzene	8.04	78	15122	0.985	ug/l	92
67) Ethyl Benzene	11.51	91	523551	27.355	ug/l	98
68) m/p-Xylenes	11.62	106	57787	7.986	ug/l	97
73) Isopropylbenzene	12.25	105	681040	36.503	ug/l	100
78) n-propylbenzene	12.59	91	751602	33.622	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	108638	4.737	ug/l	97
85) sec-Butylbenzene	13.17	105	99129	3.530	ug/l #	57
86) p-Isopropyltoluene	13.29	119	49599	2.777	ug/l	98
89) n-Butylbenzene	13.61	91	163823m	11.970	ug/l	
95) Naphthalene	15.13	128	203320	17.088	ug/l	100

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

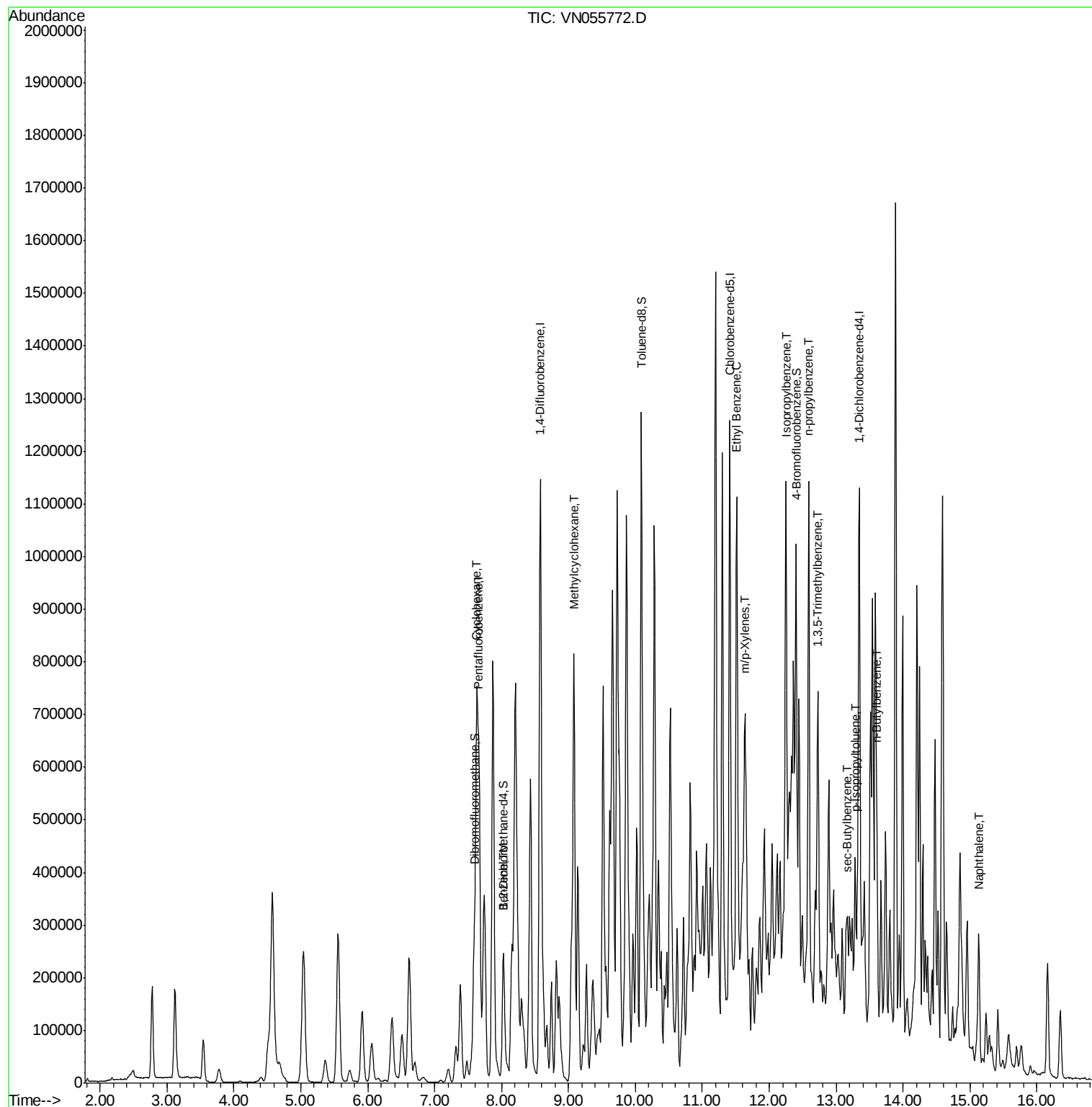
Data Path : Z:\voasrv\HPCHEM1\MSVOA N\Data\VN052319\
Data File : VN055772.D
Acq On : 23 May 2019 23:02
Operator : JC/SP
Sample : K2996-10 10X
Misc : 5.72a/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 35 Sample Multiplier: 1

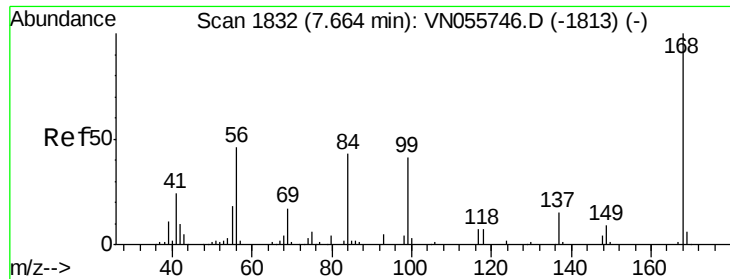
Instrument :
MSVOA_N
ClientSampleId :
P-9(4.5-5.0)

Manual Integrations
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5/24/2019 9:49:49 AM

Quant Time: Jun 03 02:00:44 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055772.D

Acq: 23 May 2019 23:02

Instrument :

MSVOA_N

ClientSampleId :

P-9(4.5-5.0)

Tot Ion:168 Resp: 429598

Ion Ratio Lower Upper

168 100

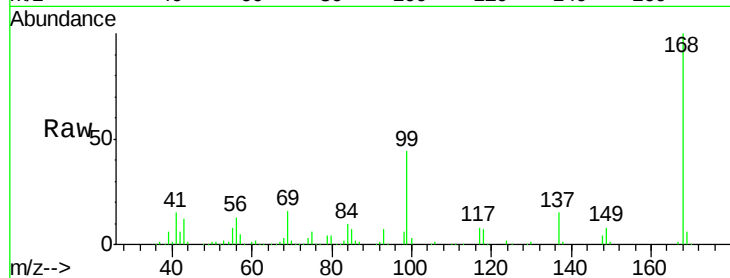
99 44.2 37.2 55.8

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

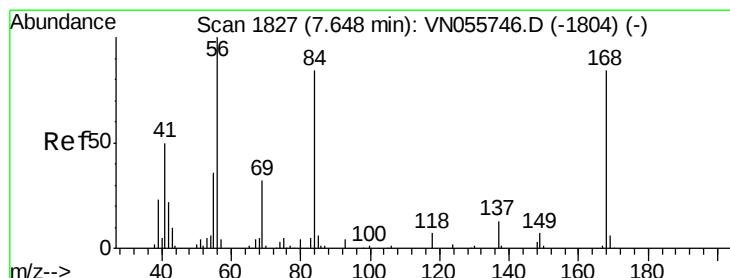
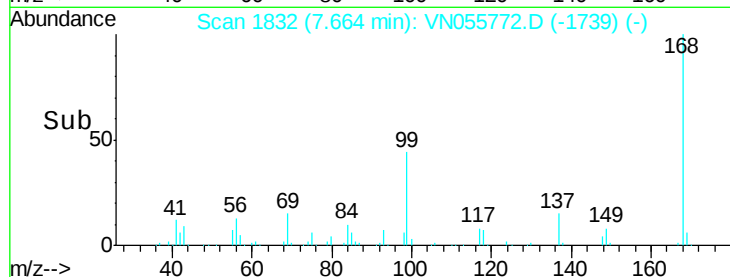
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80 7.90



#31

Cyclohexane

Concen: 26.242 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.02 min

Lab File: VN055772.D

Acq: 23 May 2019 23:02

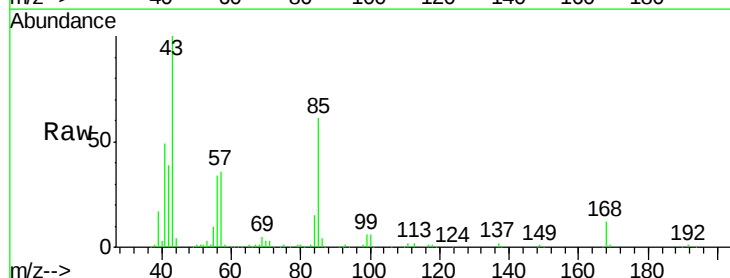
Tgt Ion: 56 Resp: 174750

Ion Ratio Lower Upper

56 100

69 8.7 25.6 38.4#

84 43.9 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

100000

80000

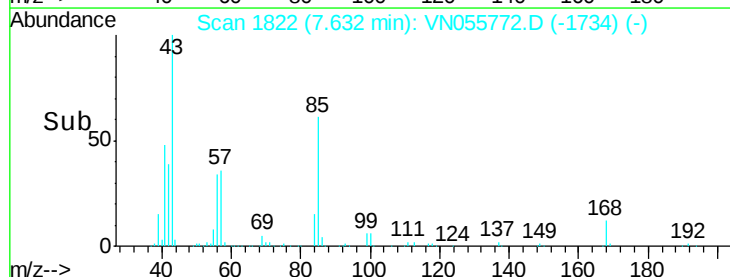
60000

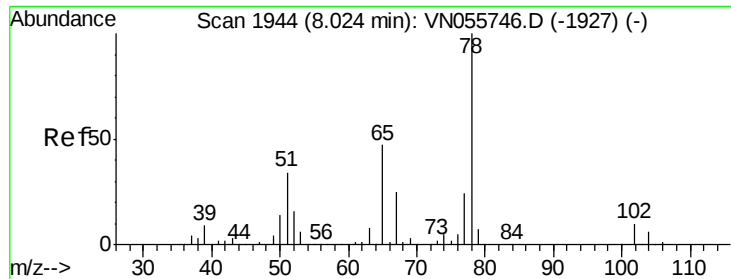
40000

20000

0

Time--> 7.55 7.60 7.65 7.70





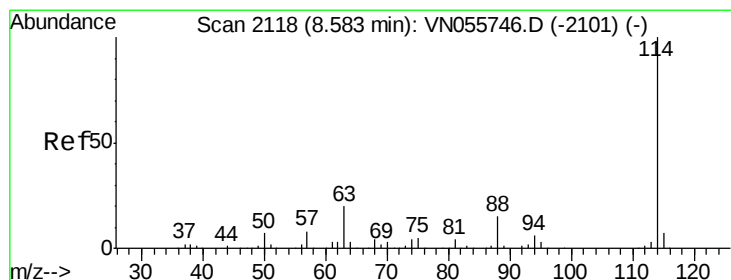
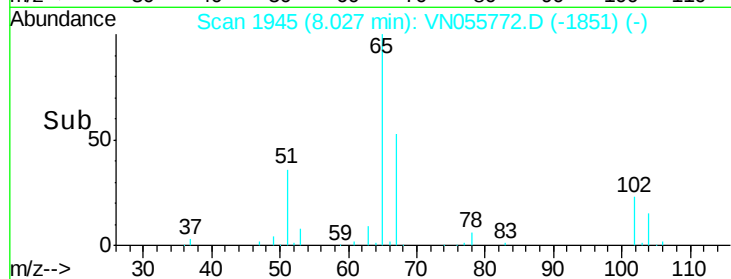
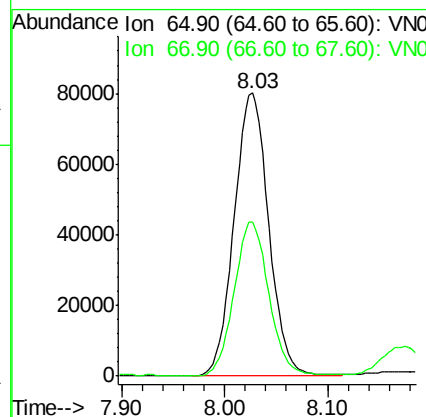
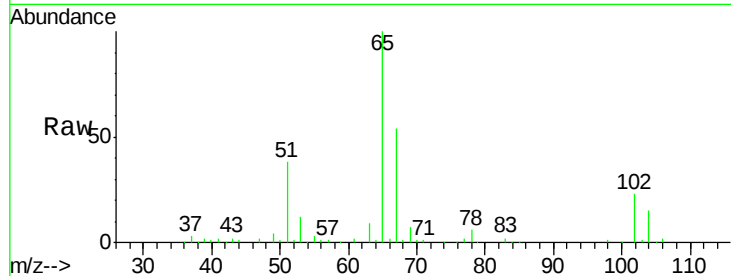
#33
 1,2-Dichloroethane-d4
 Concen: 42.227 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055772.D
 Acq: 23 May 2019 23:02

Instrument :
 MSVOA_N
 ClientSampled :
 P-9(4.5-5.0)

Tot Ion	Ratio	Resp	Lower	Upper
65	100	187342		
67	55.1	0.0	109.2	

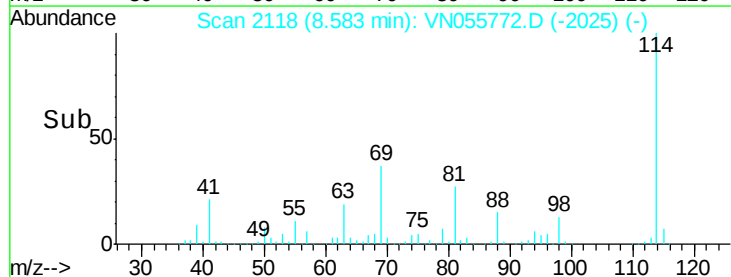
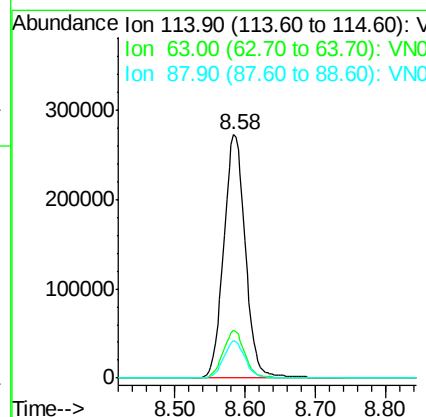
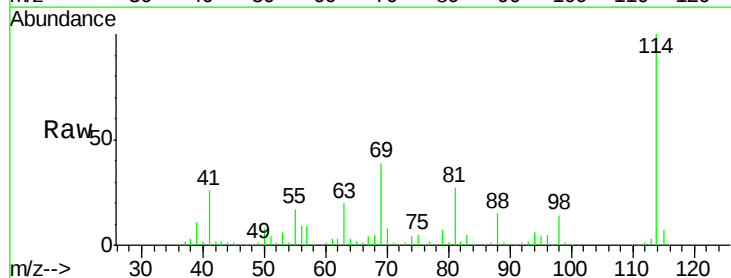
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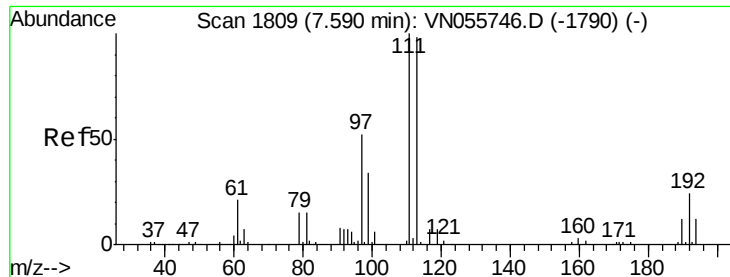
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055772.D
 Acq: 23 May 2019 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	584337		
63	19.5	0.0	39.2	
88	15.2	0.0	31.0	





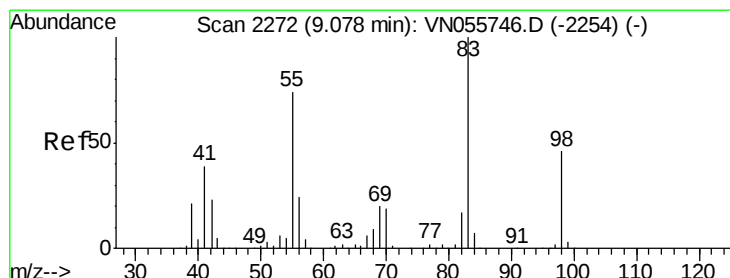
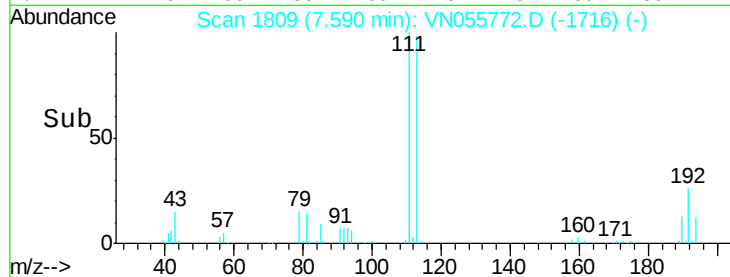
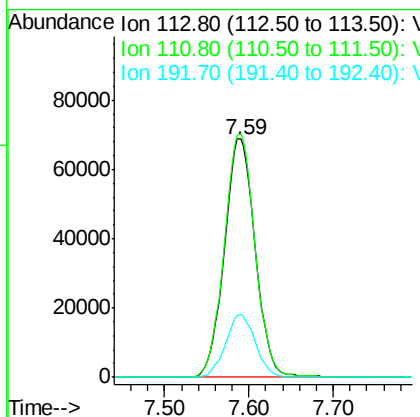
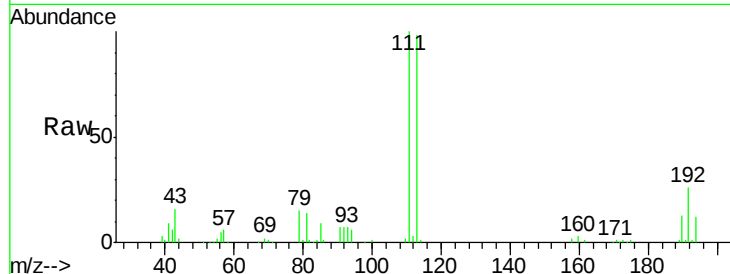
#35
 Dibromofluoromethane
 Concen: 47.178 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055772.D
 Acq: 23 May 2019 23:02

Instrument :
 MSVOA_N
 ClientSampleId :
 P-9(4.5-5.0)

Tot Ion	Ratio	Resp	Lower	Upper
113	100	174292		
111	102.2	81.9	122.9	
192	25.4	19.5	29.3	

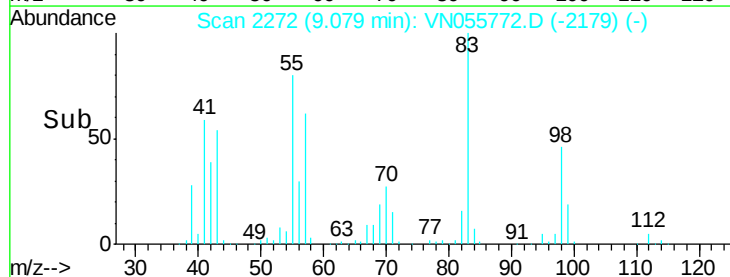
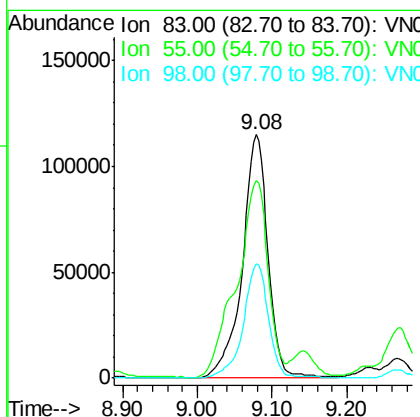
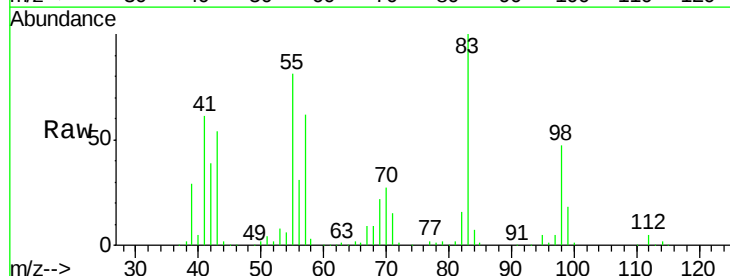
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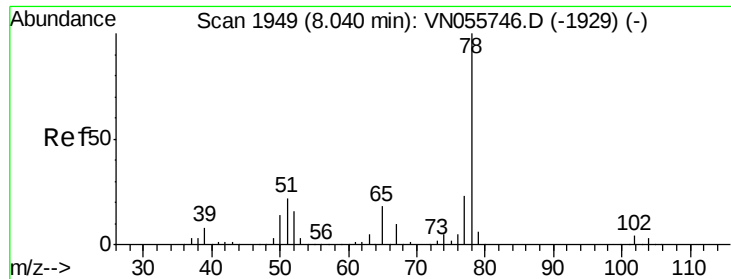
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 5/24/2019 9:49:49 AM



#39
 Methylcyclohexane
 Concen: 43.474 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN055772.D
 Acq: 23 May 2019 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	274138		
55	80.8	59.3	88.9	
98	46.9	36.6	54.8	





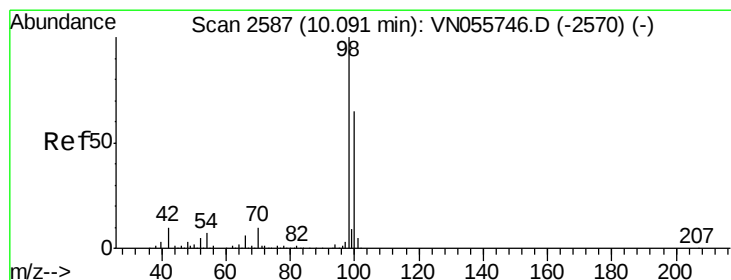
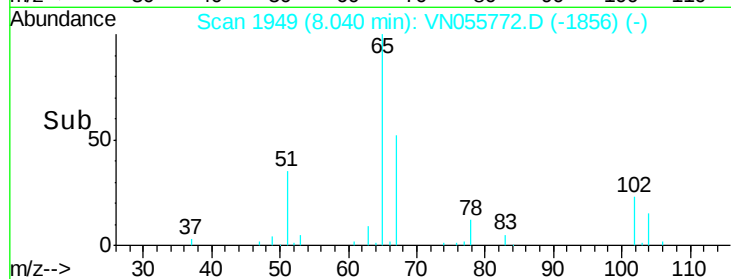
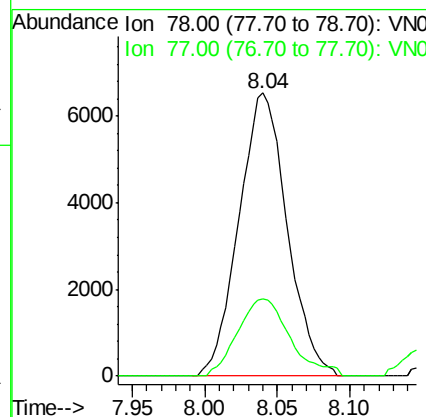
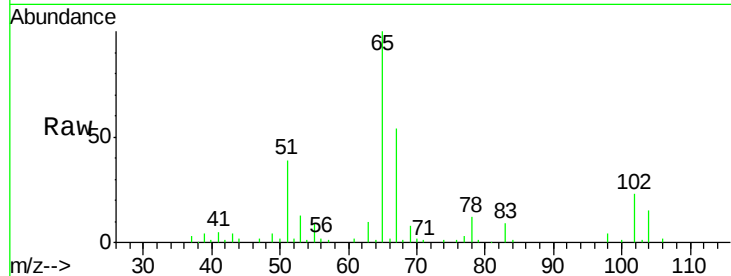
#40
Benzene
Concen: 0.985 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055772.D
Acq: 23 May 2019 23:02

Instrument :
MSVOA_N
ClientSampleId :
P-9(4.5-5.0)

Tot Ion	Ratio	Lower	Upper
78	100		
77	27.3	18.8	28.2

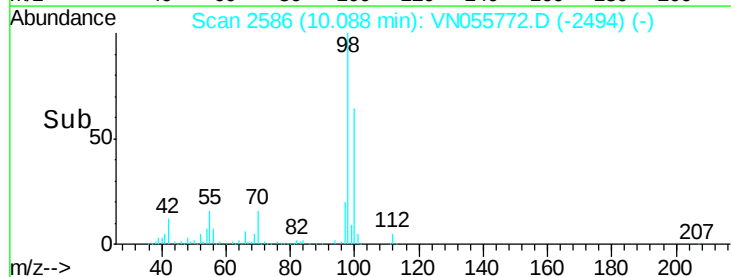
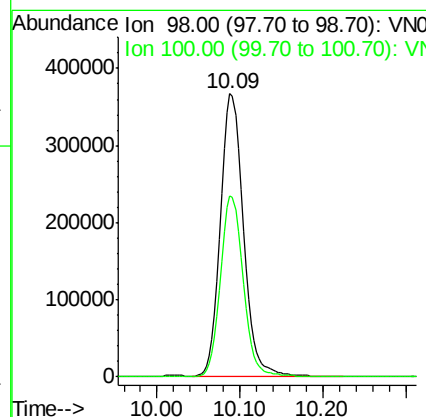
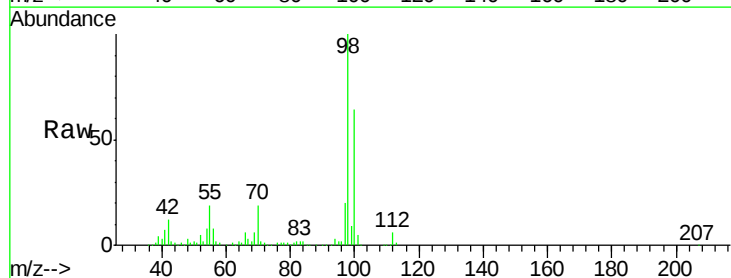
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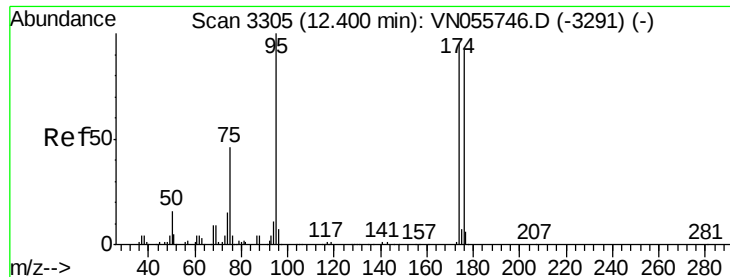
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#50
Toluene-d8
Concen: 49.730 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN055772.D
Acq: 23 May 2019 23:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	51.9	77.9





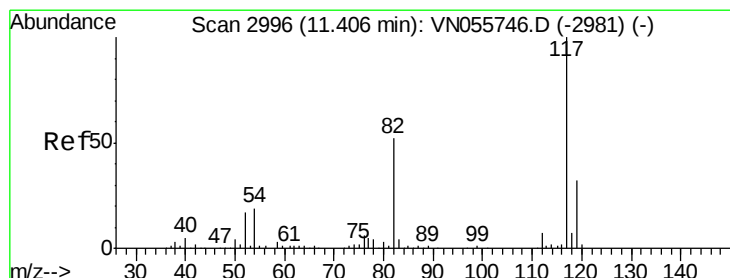
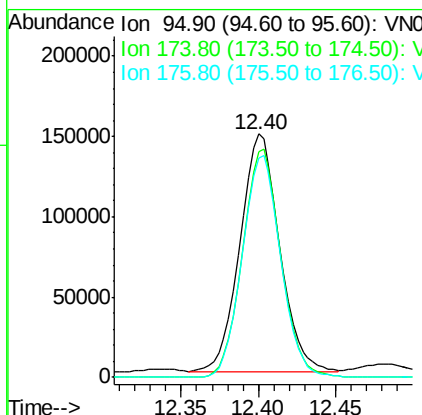
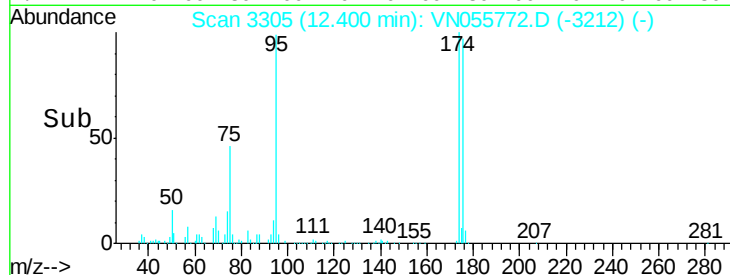
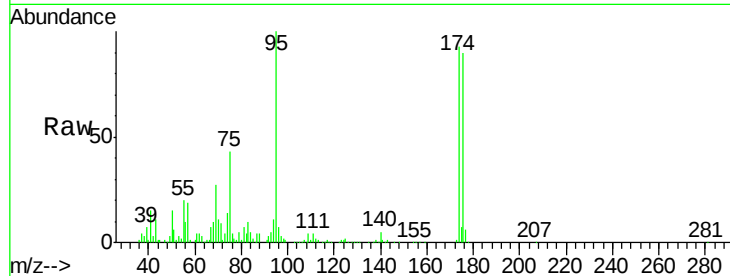
#62
4-Bromofluorobenzene
Concen: 53.994 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055772.D
Acq: 23 May 2019 23:02

Instrument :
MSVOA_N
ClientSampleId :
P-9(4.5-5.0)

Tot Ion	Ratio	Resp	Lower	Upper
95	100	262364		
174	93.6	0.0	191.0	
176	91.1	0.0	185.2	

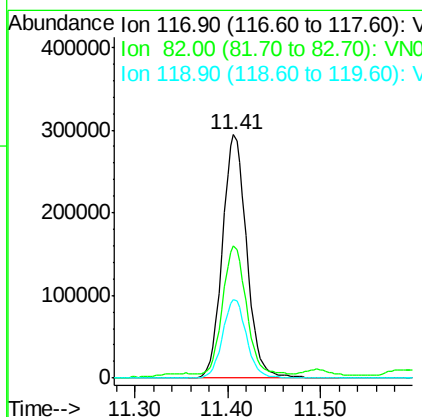
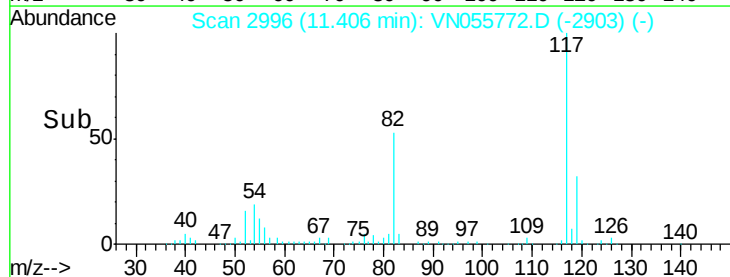
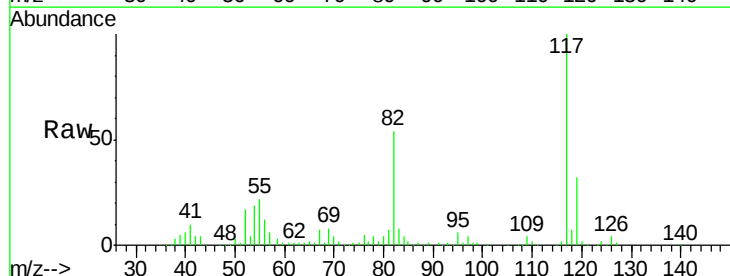
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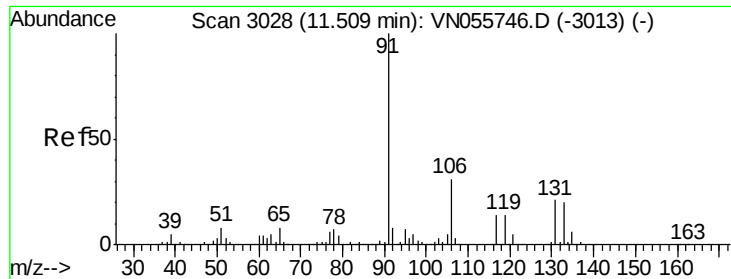
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055772.D
Acq: 23 May 2019 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	533135		
82	52.5	41.8	62.8	
119	32.4	25.4	38.0	





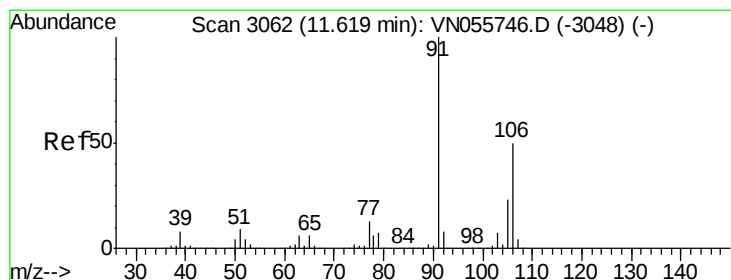
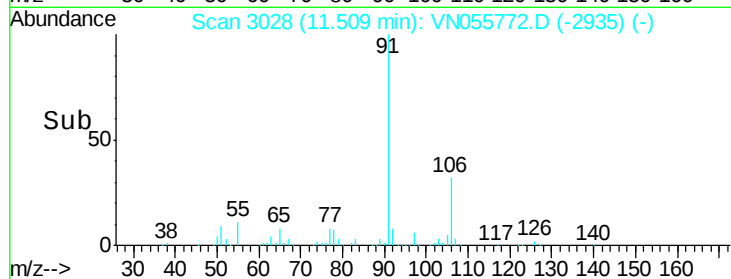
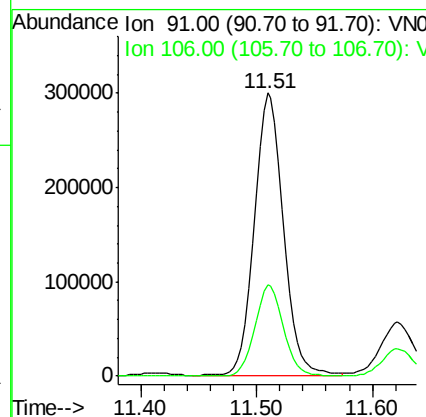
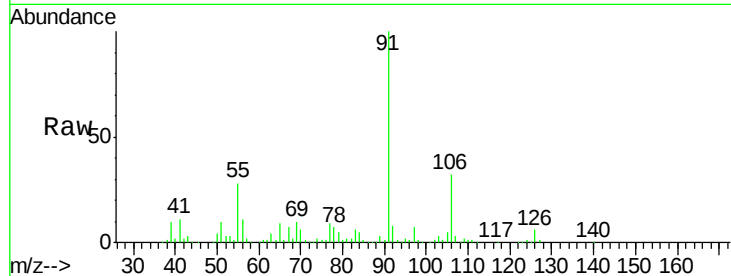
#67
Ethyl Benzene
Concen: 27.355 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055772.D
Acq: 23 May 2019 23:02

Instrument :
MSVOA_N
ClientSampled :
P-9(4.5-5.0)

Tot Ion: 91 Resp: 52351
Ion Ratio Lower Upper
91 100
106 32.4 25.1 37.7

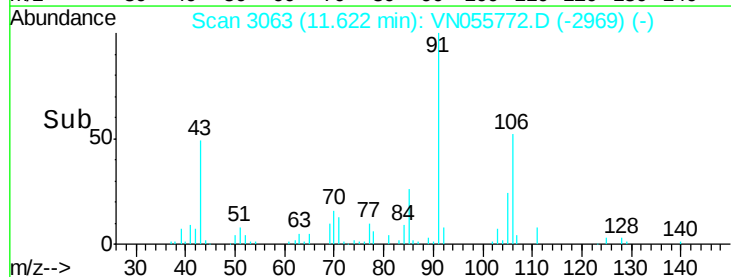
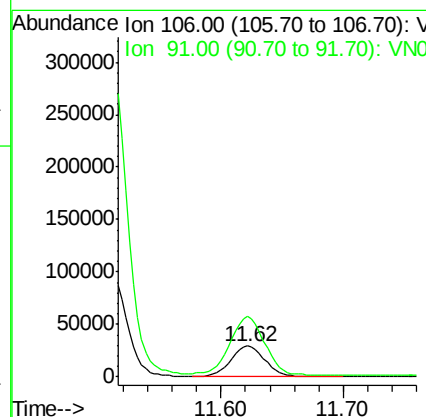
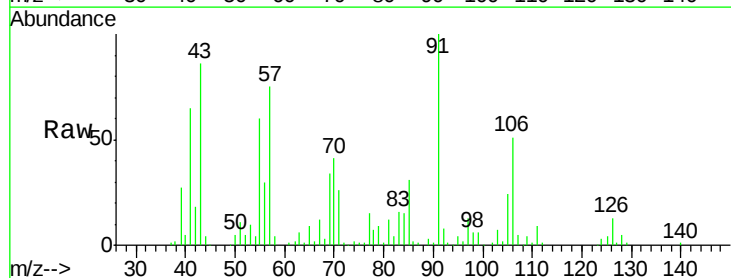
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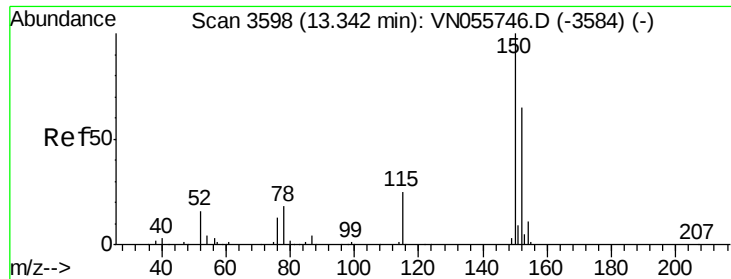
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5/24/2019 9:49:49 AM



#68
m/p-Xylenes
Concen: 7.986 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055772.D
Acq: 23 May 2019 23:02

Tgt Ion: 106 Resp: 57787
Ion Ratio Lower Upper
106 100
91 194.9 159.3 238.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055772.D

Acq: 23 May 2019 23:02

Instrument :

MSVOA_N

ClientSampleId :

P-9(4.5-5.0)

Tot Ion:152 Resp: 257206

Ion Ratio Lower Upper

152 100

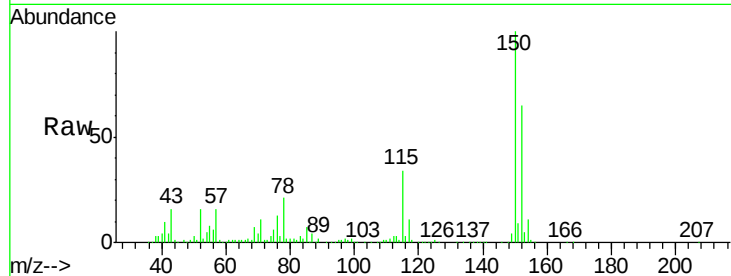
115 52.2 27.0 81.0

150 154.0 0.0 343.2

Manual Integrations
APPROVED

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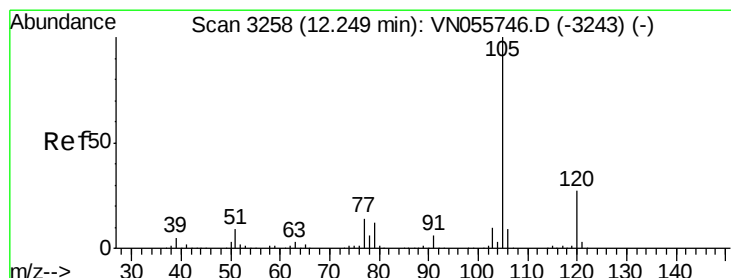
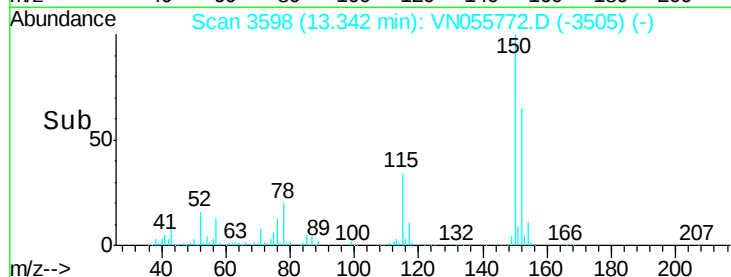
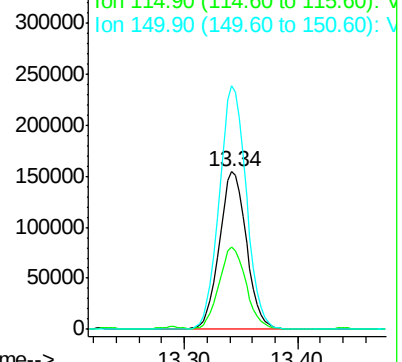
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 36.503 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055772.D

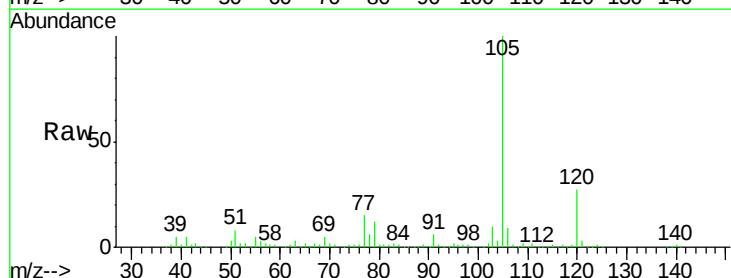
Acq: 23 May 2019 23:02

Tgt Ion:105 Resp: 681040

Ion Ratio Lower Upper

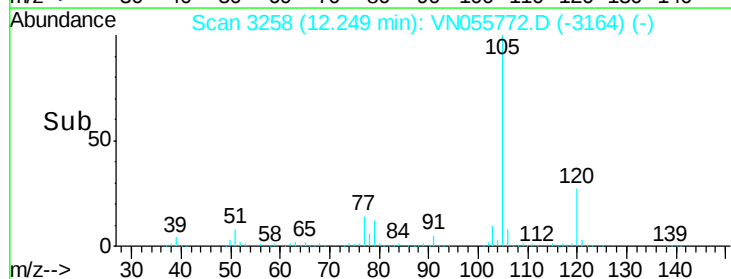
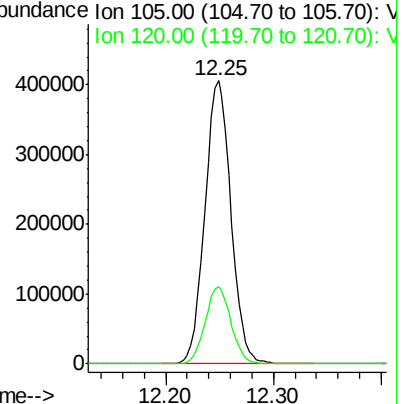
105 100

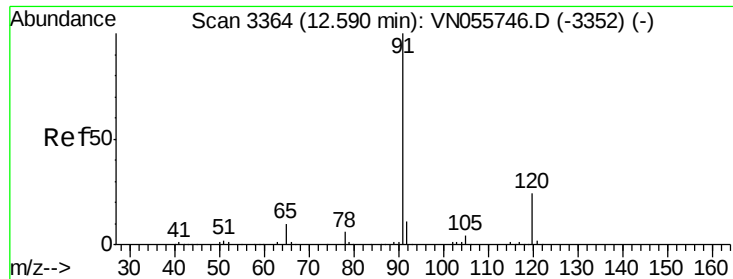
120 27.1 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 33.622 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055772.D

Acq: 23 May 2019 23:02

Instrument :

MSVOA_N

ClientSampled :

P-9(4.5-5.0)

Tot Ion: 91 Resp: 751602

Ion Ratio Lower Upper

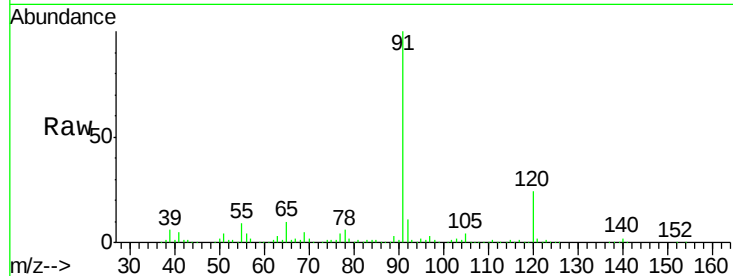
91 100

120 24.3 12.0 36.0

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Abundance Ion 91.00 (90.70 to 91.70): VN055746.D (-3352) (-)

Ion 120.00 (119.70 to 120.70): VN055746.D (-3352) (-)

12.59

500000

400000

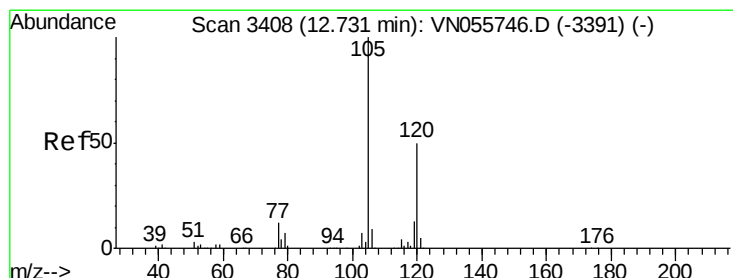
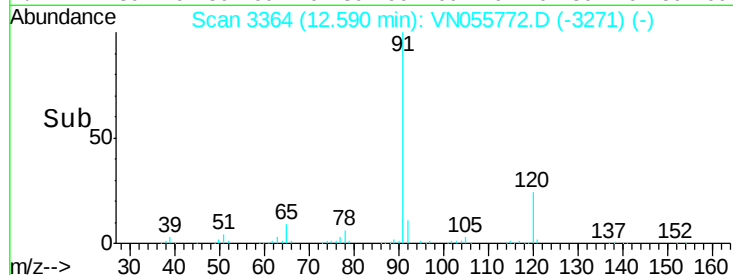
300000

200000

100000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 4.737 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055772.D

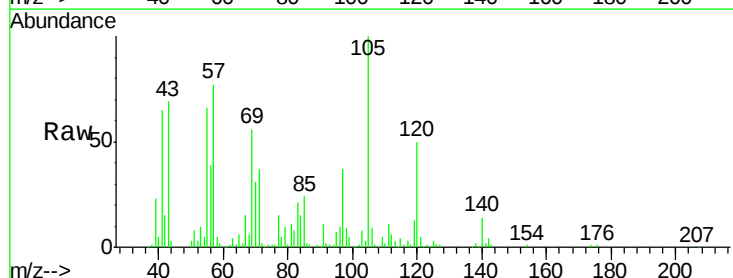
Acq: 23 May 2019 23:02

Tgt Ion: 105 Resp: 108638

Ion Ratio Lower Upper

105 100

120 51.7 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055746.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN055746.D (-3391) (-)

12.73

100000

80000

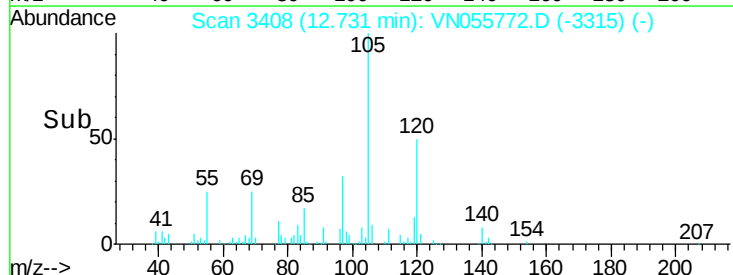
60000

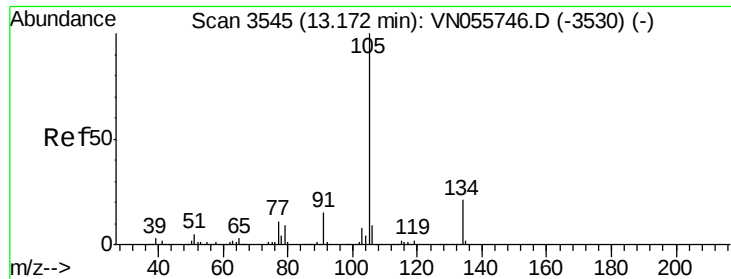
40000

20000

0

Time-->





#85

sec-Butylbenzene

Concen: 3.530 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055772.D

Acq: 23 May 2019 23:02

Instrument :

MSVOA_N

ClientSampleId :

P-9(4.5-5.0)

Tot Ion:105 Resp: 99129

Ion Ratio Lower Upper

105 100

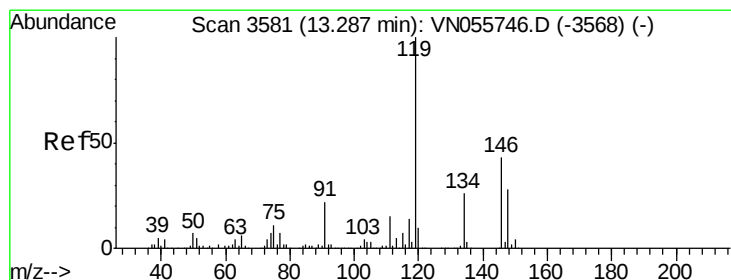
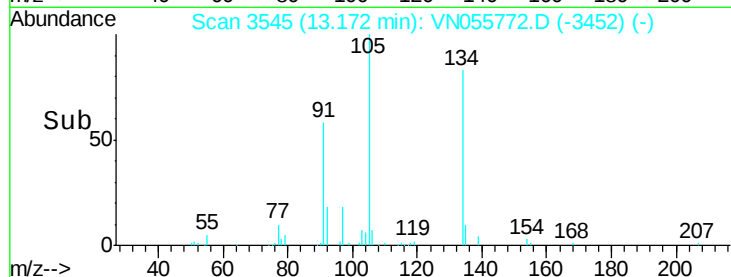
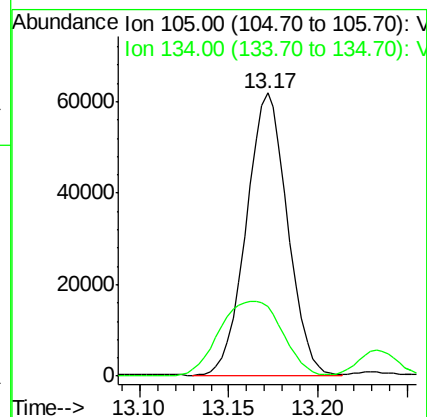
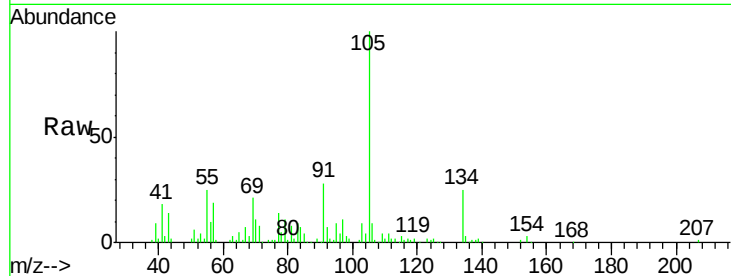
134 40.8 10.4 31.2#

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 2.777 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055772.D

Acq: 23 May 2019 23:02

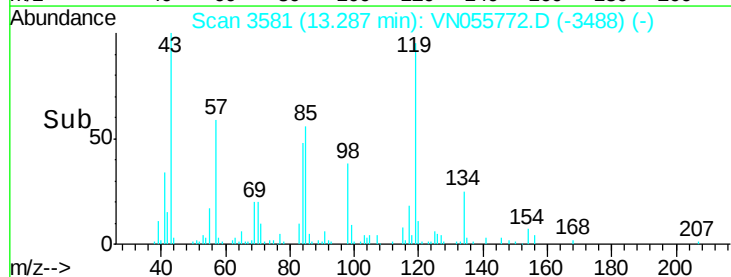
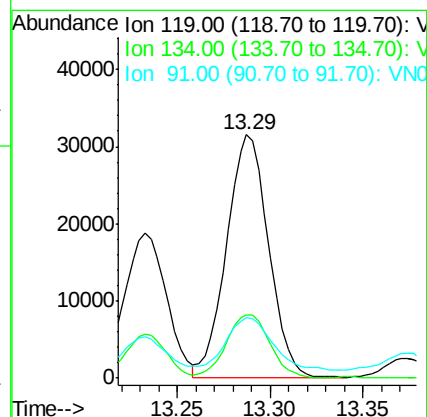
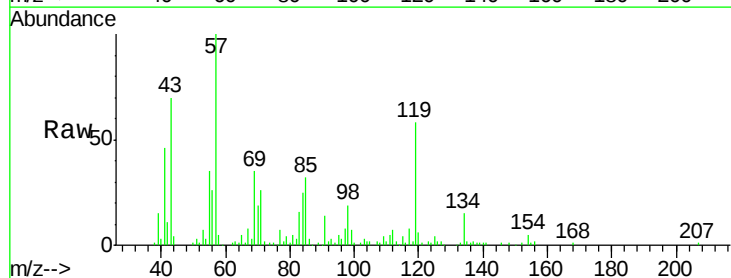
Tgt Ion:119 Resp: 49599

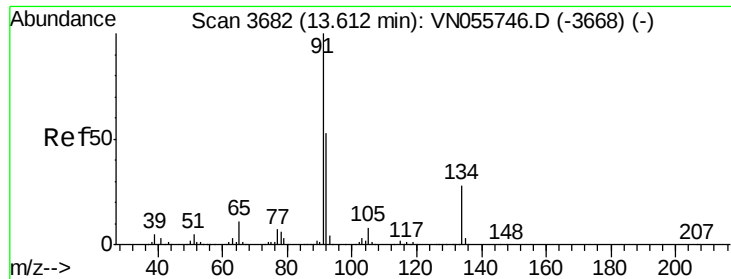
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.1

91 23.4 10.9 32.9





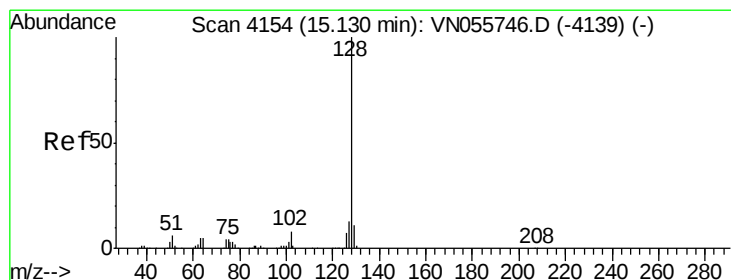
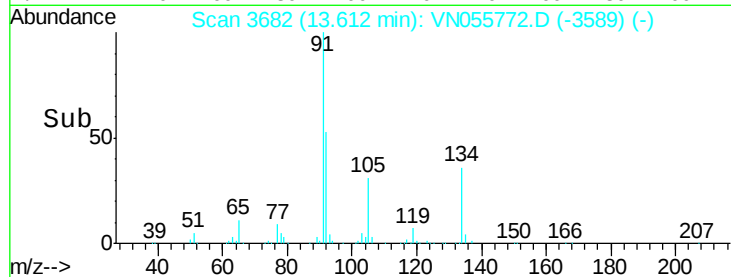
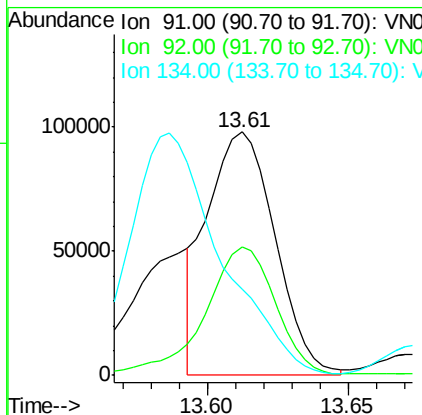
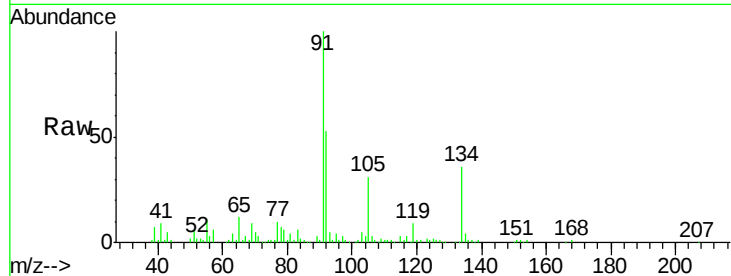
#89
n-Butylbenzene
Concen: 11.970 ug/l m
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055772.D
Acq: 23 May 2019 23:02

Instrument :
MSVOA_N
ClientSampled :
P-9(4.5-5.0)

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	26.4	79.0
134	0.0	13.9	41.7#

Manual Integrations
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5/24/2019 9:49:49 AM



#95
Naphthalene
Concen: 17.088 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN055772.D
Acq: 23 May 2019 23:02

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	11.0	8.7	13.1

