

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052319\
 Data File : VN055773.D
 Acq On : 23 May 2019 23:27
 Operator : JC/SP
 Sample : K2996-12 10X
 Misc : 5.70g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P-10(4.5-5.0)

Manual Integrations
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MMDadoda
 5/24/2019 9:52:49 AM

Quant Time: May 24 07:57:15 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	443096	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	597961	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	559359	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	279233	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	190654	41.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.32%	
35) Dibromofluoromethane	7.59	113	178052	47.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.20%	
50) Toluene-d8	10.09	98	754266	52.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.02%	
62) 4-Bromofluorobenzene	12.40	95	289716	58.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.52%	
Target Compounds						
					Qvalue	
31) Cyclohexane	7.63	56	559612	81.477	ug/l #	53
39) Methylcyclohexane	9.08	83	782153	121.210	ug/l	92
67) Ethyl Benzene	11.51	91	3251746	161.933	ug/l	99
68) m/p-Xylenes	11.62	106	689071	90.769	ug/l	98
73) Isopropylbenzene	12.25	105	1904596	98.473	ug/l	99
78) n-propylbenzene	12.59	91	2391377	98.536	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	3257896	202.676	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	11092199	694.716	ug/l	98
85) sec-Butylbenzene	13.17	105	220884m	9.855	ug/l	
86) p-Isopropyltoluene	13.29	119	116213m	5.993	ug/l	
89) n-Butylbenzene	13.61	91	308108	20.737	ug/l #	66
95) Naphthalene	15.13	128	844358	65.368	ug/l	100

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

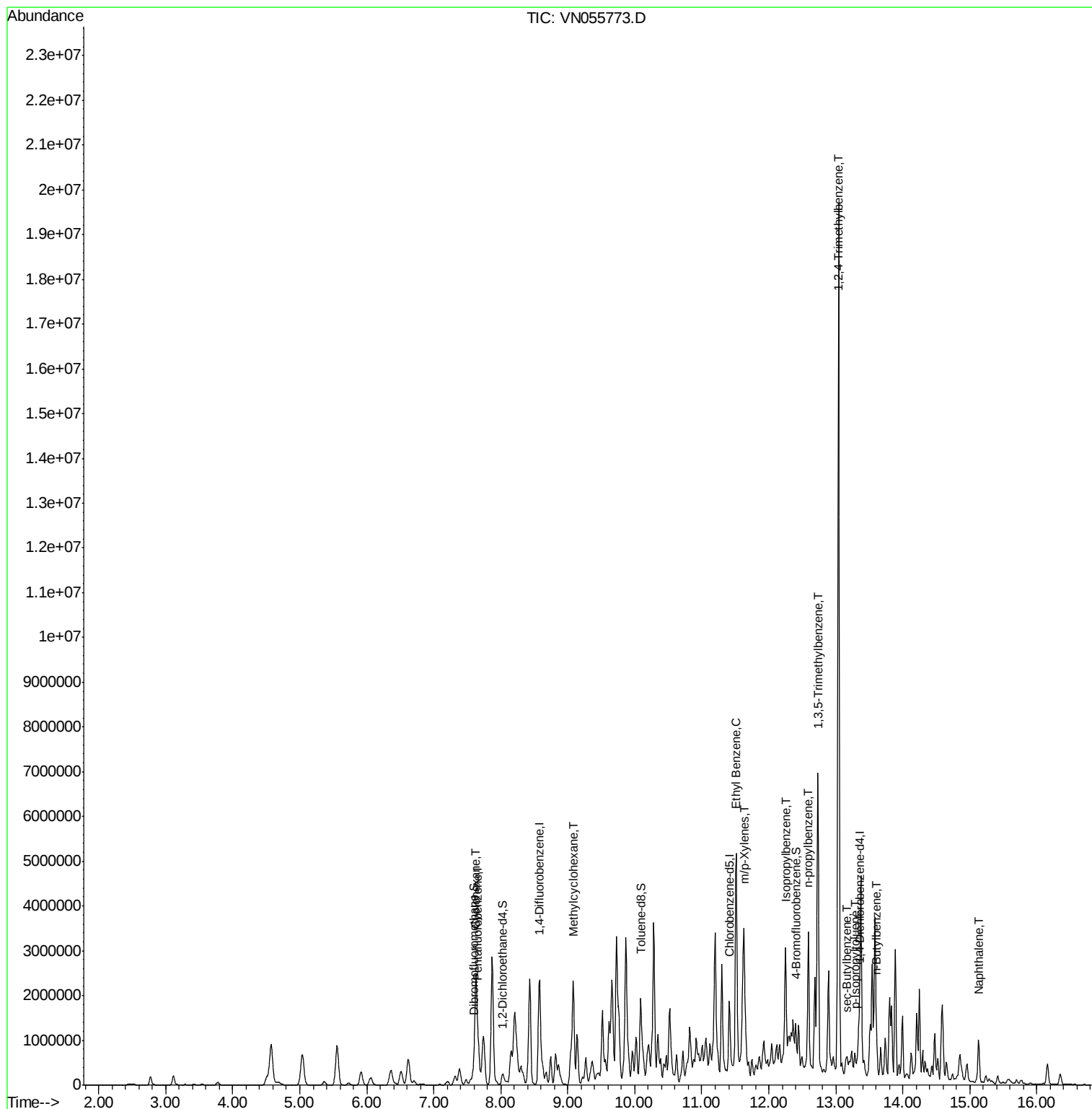
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN052319\
Data File : VN055773.D
Acq On : 23 May 2019 23:27
Operator : JC/SP
Sample : K2996-12 10X
Misc : 5.70µ/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 36 Sample Multiplier: 1

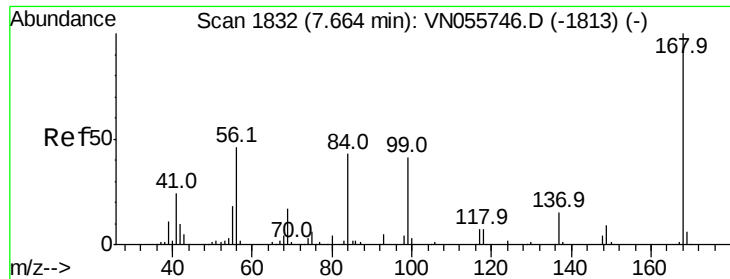
Instrument :
MSVOA_N
ClientSampleId :
P-10(4.5-5.0)

Manual Integrations
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Quant Time: May 24 07:57:15 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: VN055773.D

Acq: 23 May 2019 23:27

Instrument :

MSVOA_N

ClientSampleId :

P-10(4.5-5.0)

Tot Ion:168 Resp: 443096

Ion Ratio Lower Upper

168 100

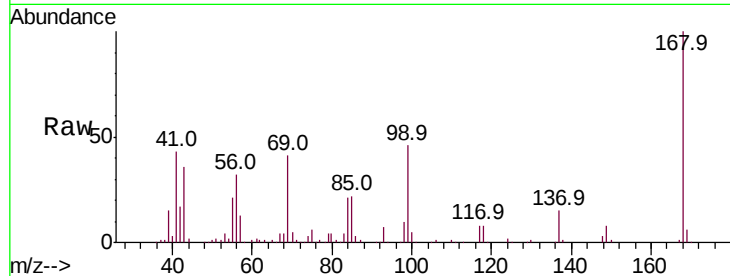
99 45.4 37.2 55.8

Manual Integrations

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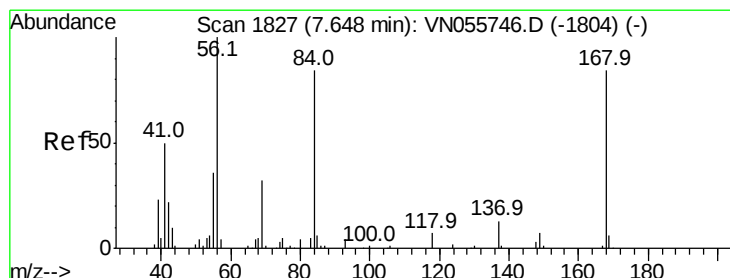
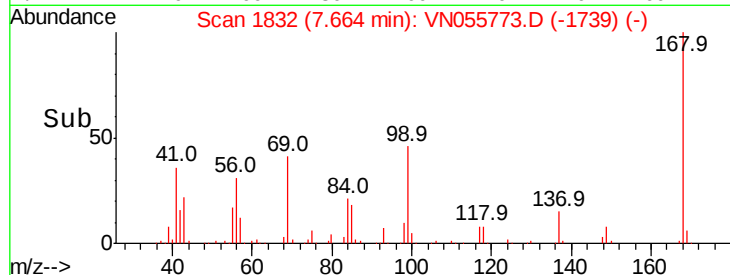
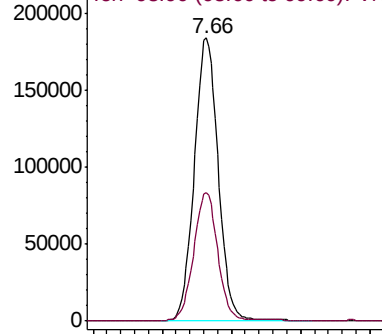
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#31

Cyclohexane

Concen: 81.477 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.02 min

Lab File: VN055773.D

Acq: 23 May 2019 23:27

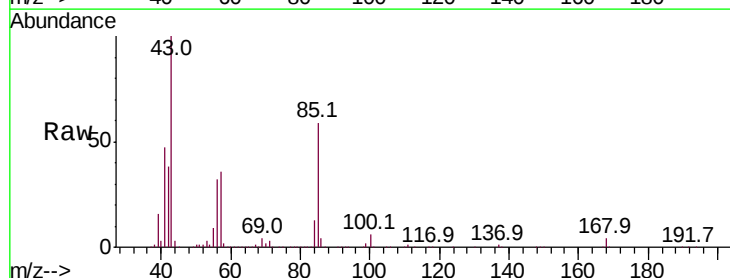
Tgt Ion: 56 Resp: 559612

Ion Ratio Lower Upper

56 100

69 6.1 25.6 38.4#

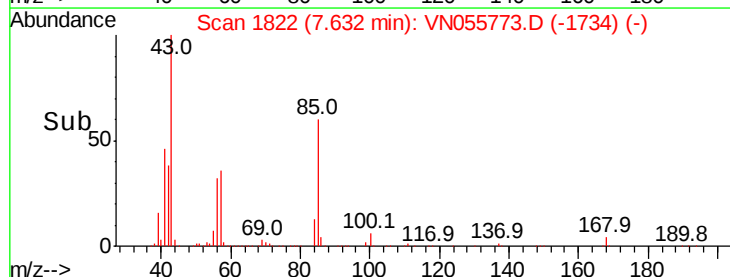
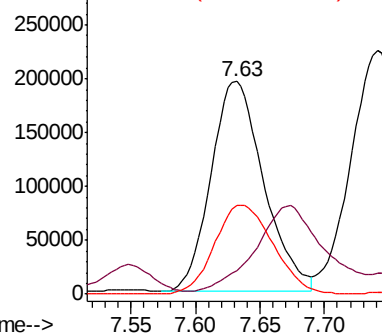
84 41.8 67.4 101.0#

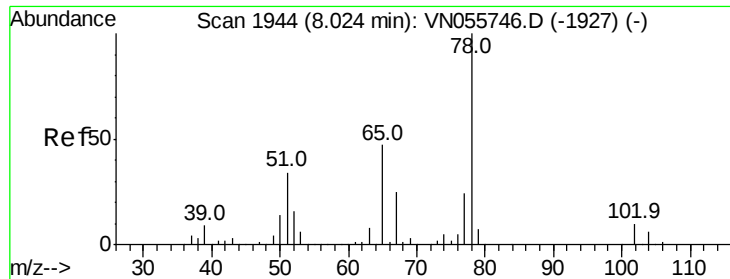


Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO





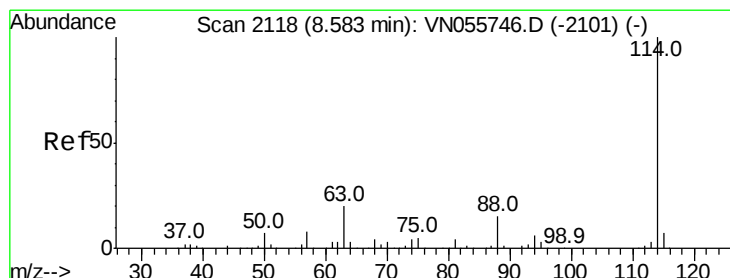
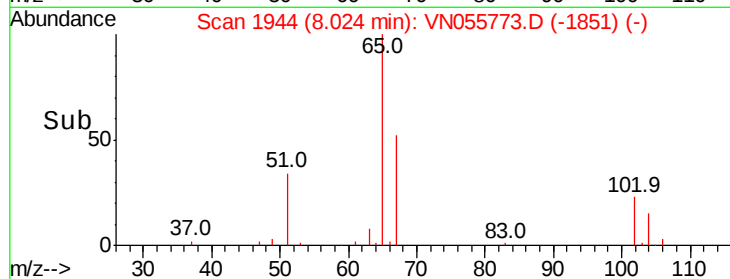
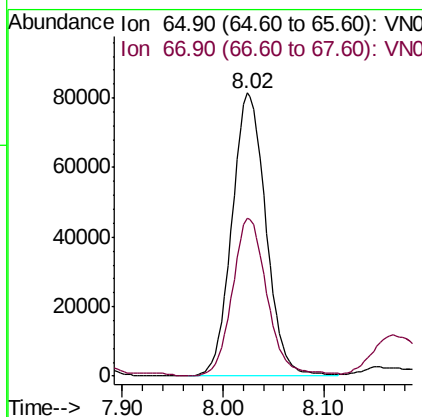
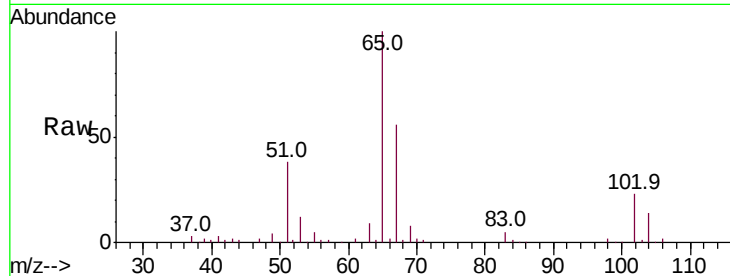
#33
 1,2-Dichloroethane-d4
 Concen: 41.664 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN055773.D
 Acq: 23 May 2019 23:27

Instrument :
 MSVOA_N
 ClientSampleId :
 P-10(4.5-5.0)

Tot Ion	Ratio	Resp	Lower	Upper
65	100	190654		
67	57.3	0.0	109.2	

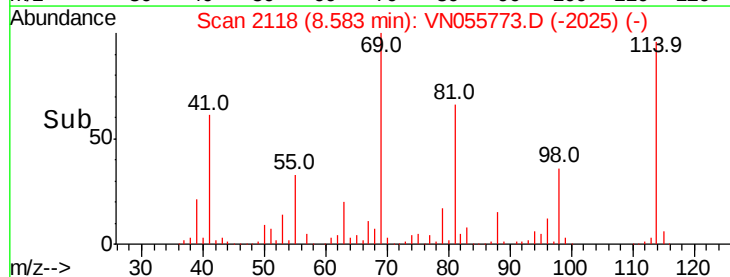
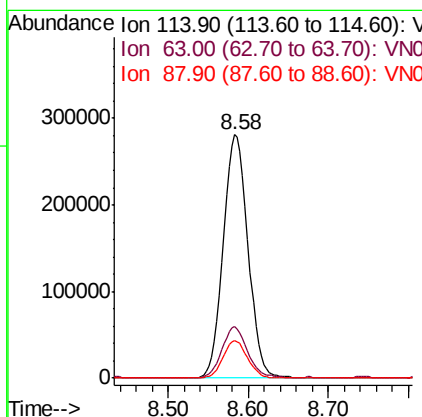
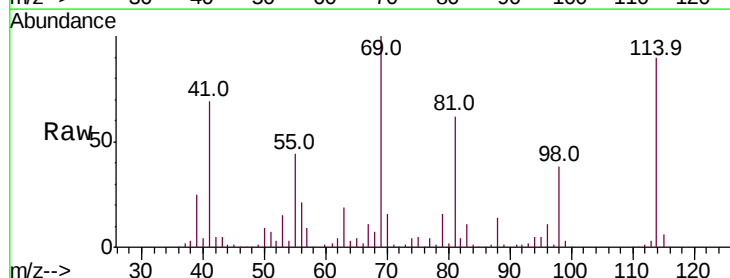
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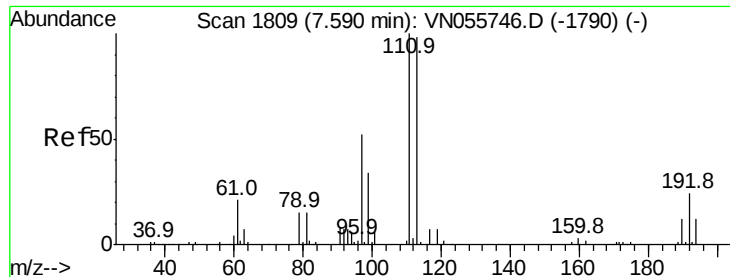
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055773.D
 Acq: 23 May 2019 23:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	597961		
63	21.0	0.0	39.2	
88	15.3	0.0	31.0	





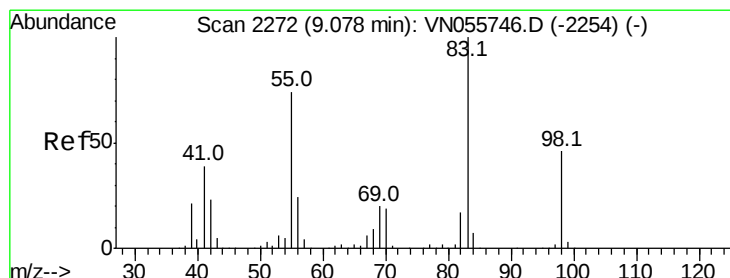
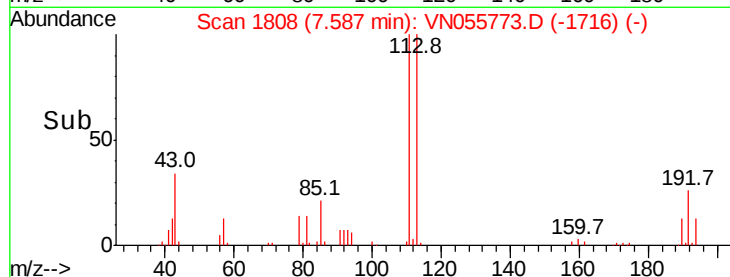
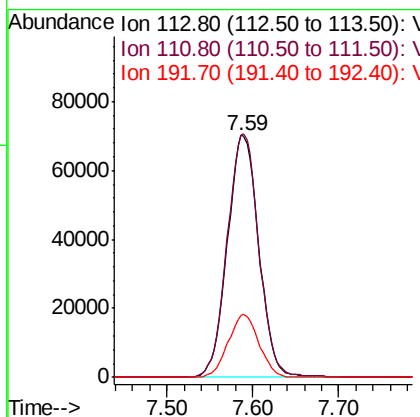
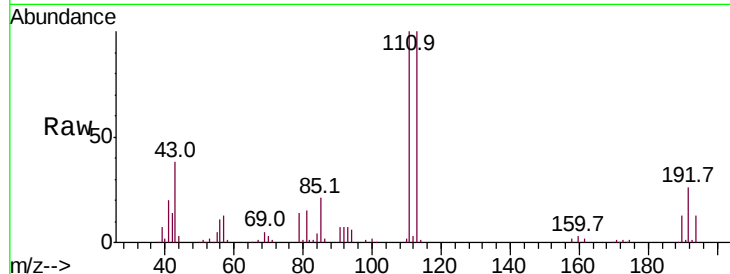
#35
 Dibromofluoromethane
 Concen: 47.097 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. -0.00 min
 Lab File: VN055773.D
 Acq: 23 May 2019 23:27

Instrument :
 MSVOA_N
 ClientSampleId :
 P-10(4.5-5.0)

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.7	81.9	122.9
192	25.4	19.5	29.3

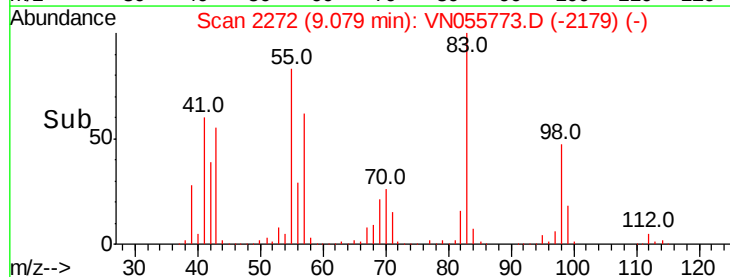
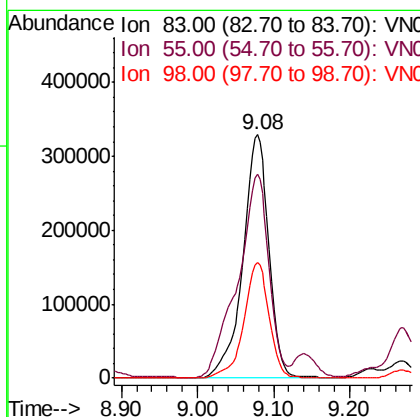
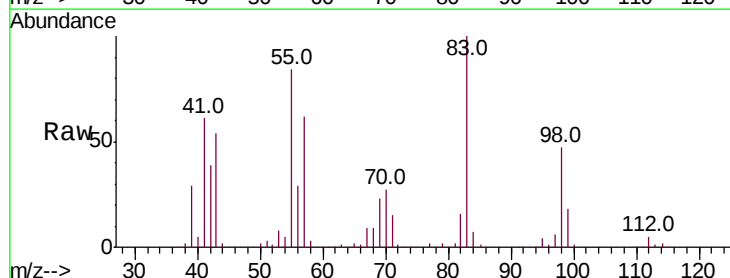
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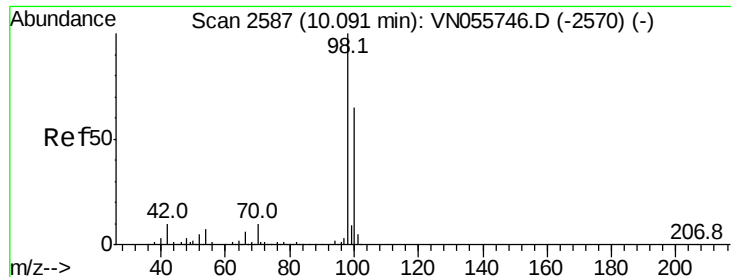
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#39
 Methylcyclohexane
 Concen: 121.210 ug/l
 RT: 9.08 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VN055773.D
 Acq: 23 May 2019 23:27

Tgt Ion	Ratio	Lower	Upper
83	100		
55	83.5	59.3	88.9
98	47.4	36.6	54.8





#50

Toluene-d8

Concen: 52.012 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055773.D

Acq: 23 May 2019 23:27

Instrument :

MSVOA_N

ClientSampleId :

P-10(4.5-5.0)

Tot Ion: 98 Resp: 754266

Ion Ratio Lower Upper

98 100

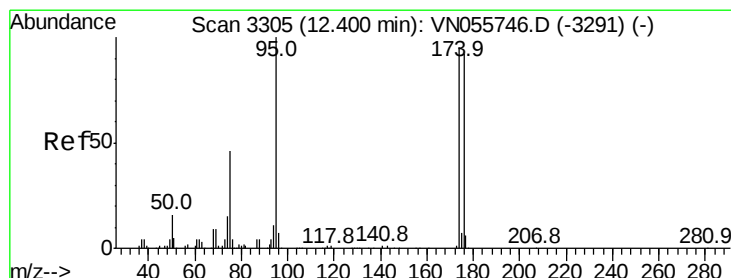
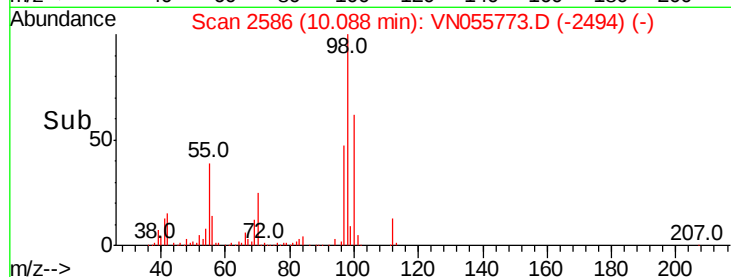
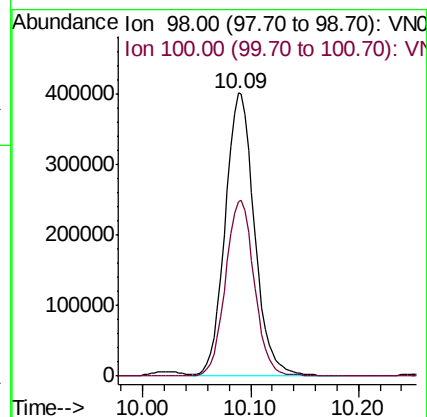
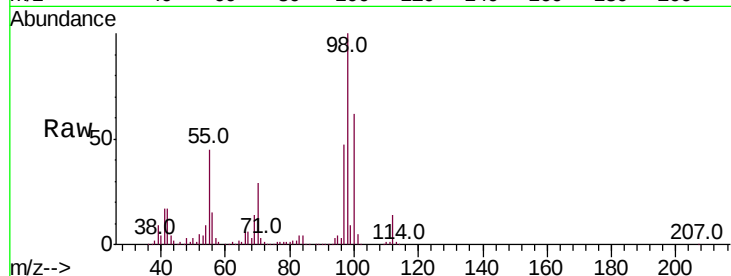
100 61.6 51.9 77.9

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 58.264 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055773.D

Acq: 23 May 2019 23:27

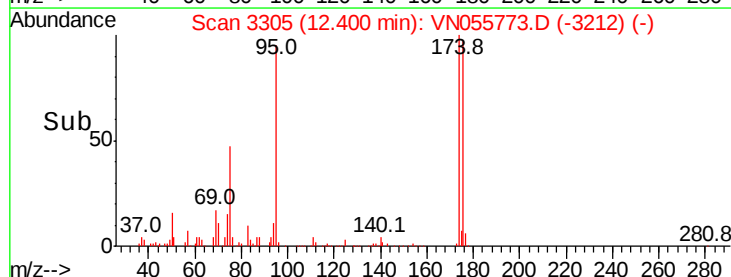
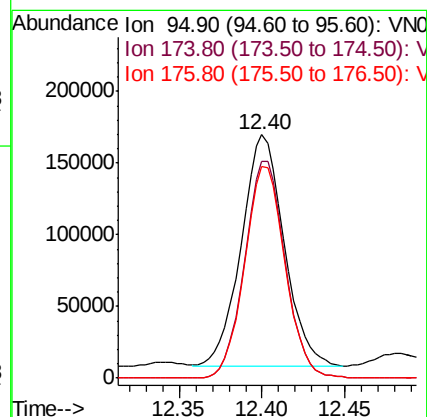
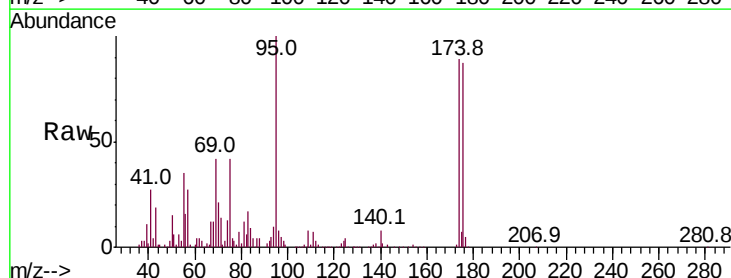
Tgt Ion: 95 Resp: 289716

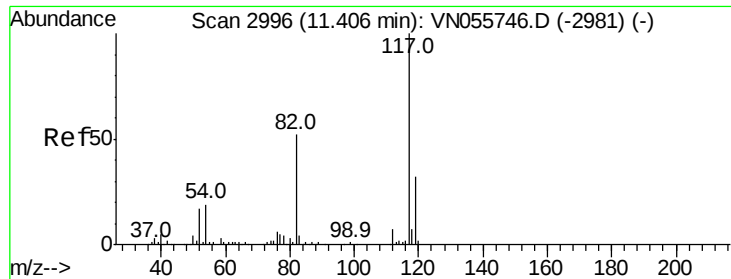
Ion Ratio Lower Upper

95 100

174 88.5 0.0 191.0

176 86.5 0.0 185.2





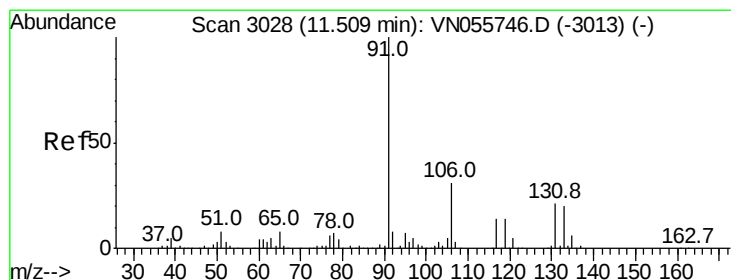
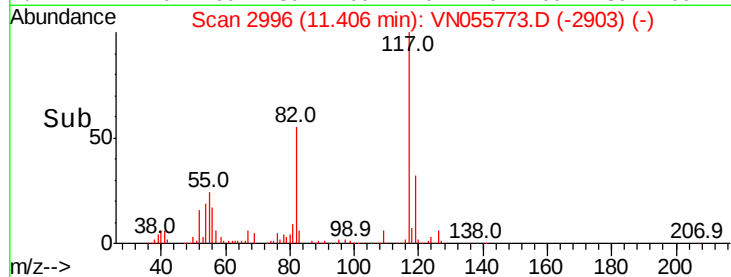
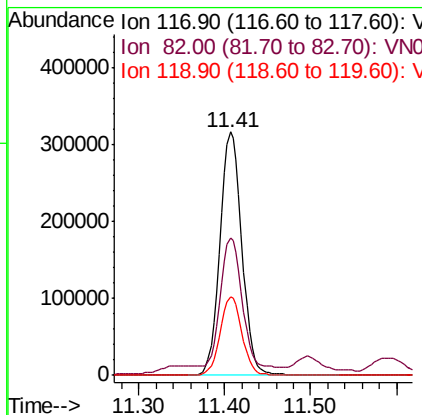
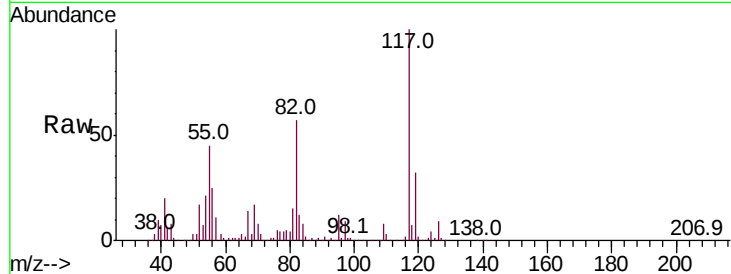
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055773.D
Acq: 23 May 2019 23:27

Instrument :
MSVOA_N
ClientSampleId :
P-10(4.5-5.0)

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	41.8	62.8
119	32.2	25.4	38.0

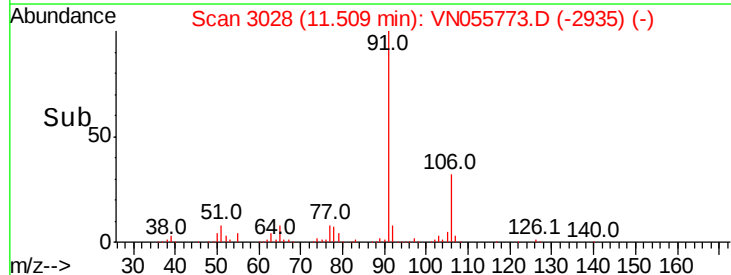
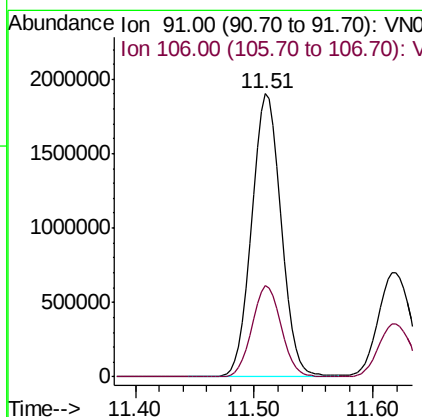
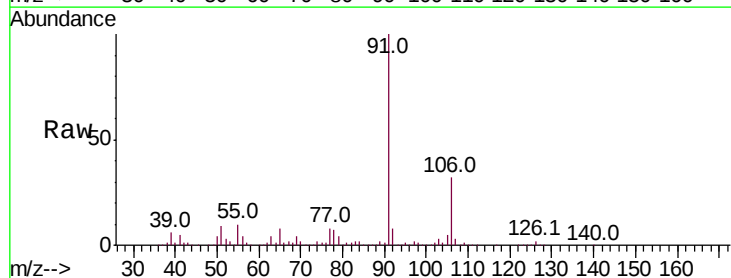
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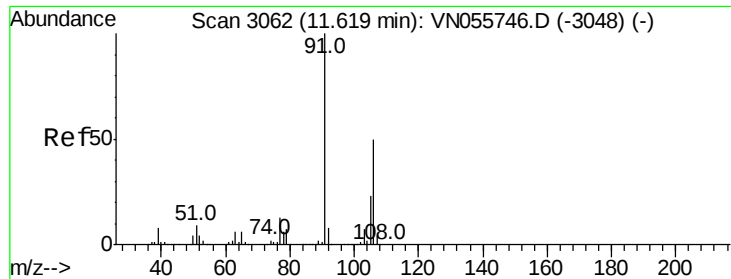
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#67
Ethyl Benzene
Concen: 161.933 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055773.D
Acq: 23 May 2019 23:27

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.1	25.1	37.7





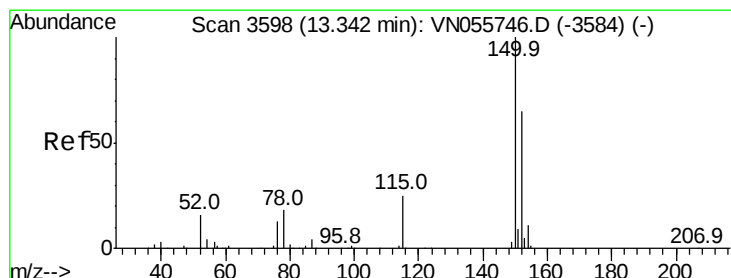
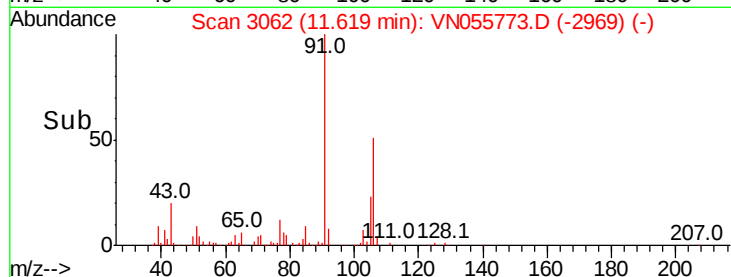
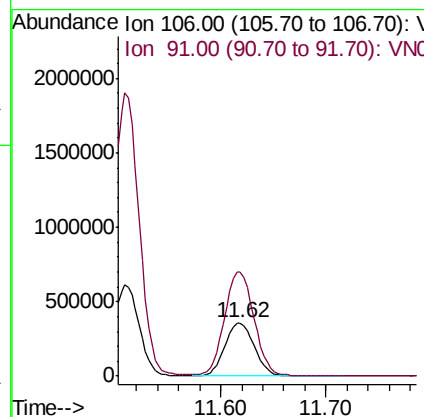
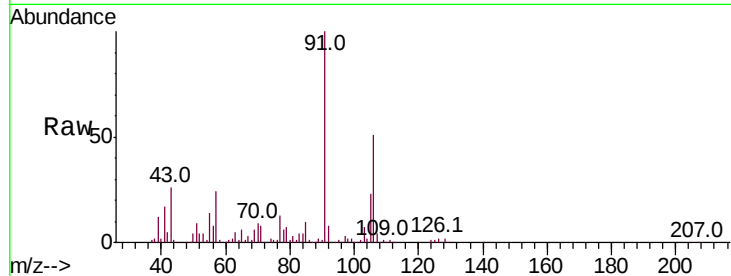
#68
m/p-Xvlenes
Concen: 90.769 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055773.D
Acq: 23 May 2019 23:27

Instrument :
MSVOA_N
ClientSampleId :
P-10(4.5-5.0)

Tot Ion	Ratio	Lower	Upper
106	100		
91	196.0	159.3	238.9

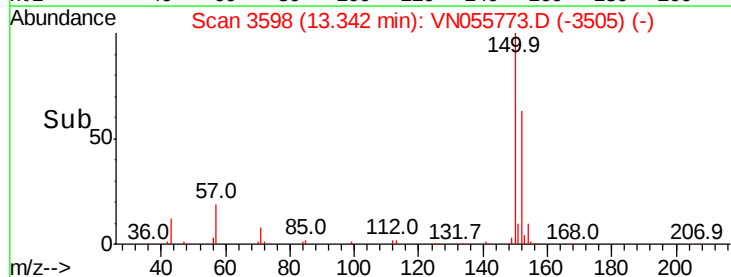
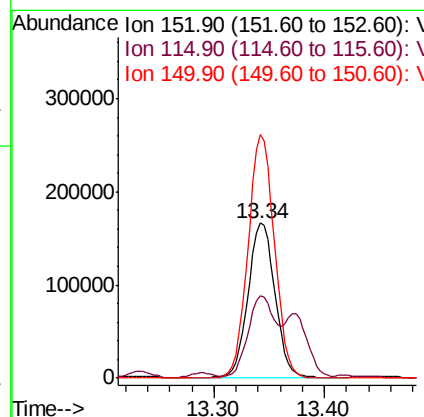
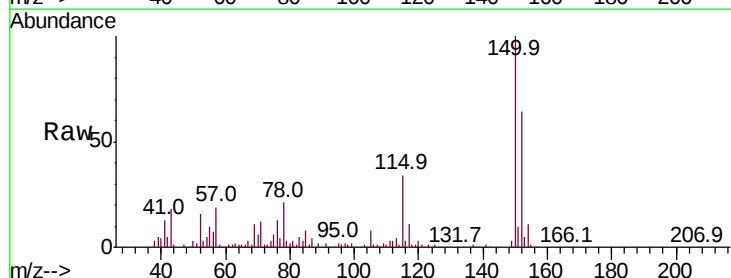
Manual Integrations
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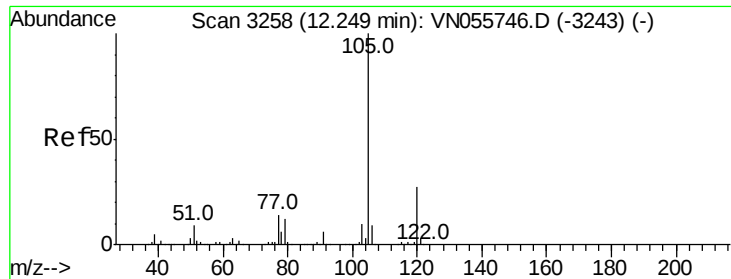
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055773.D
Acq: 23 May 2019 23:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.3	27.0	81.0
150	153.9	0.0	343.2





#73

Isopropylbenzene

Concen: 98.473 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055773.D

Acq: 23 May 2019 23:27

Instrument :

MSVOA_N

ClientSampled :

P-10(4.5-5.0)

Tot Ion:105 Resp: 1904596

Ion Ratio Lower Upper

105 100

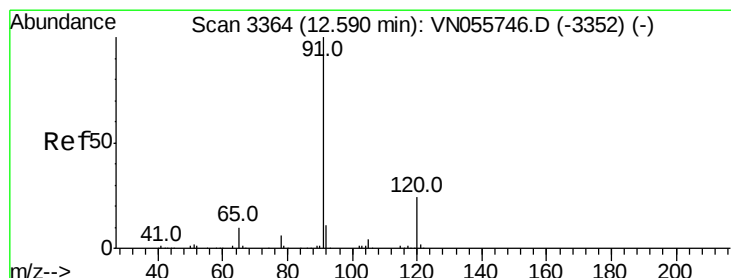
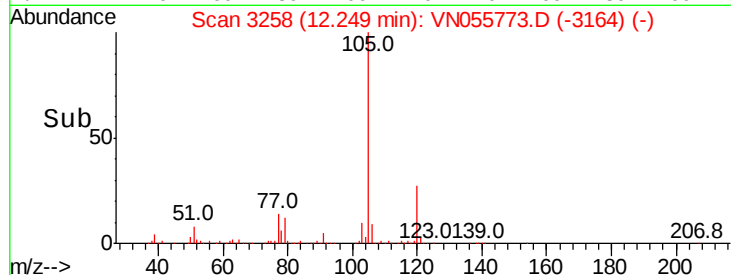
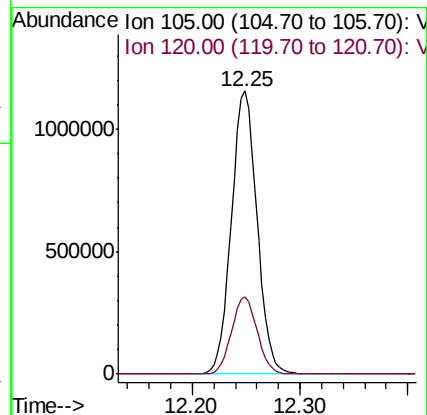
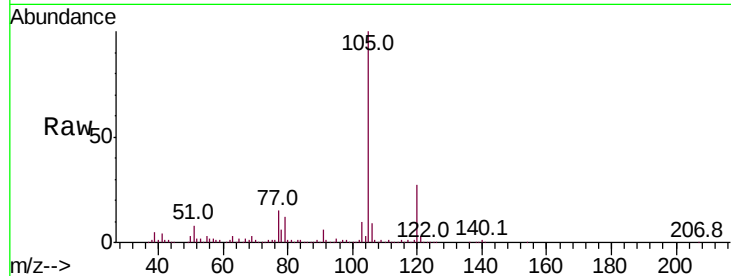
120 27.4 13.6 40.7

Manual Integrations

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#78

n-propylbenzene

Concen: 98.536 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055773.D

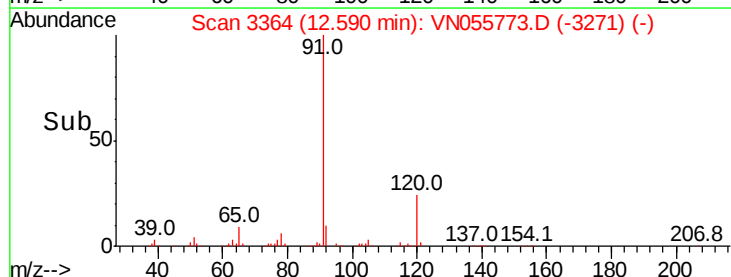
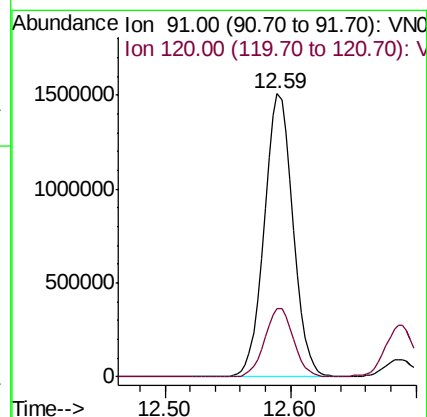
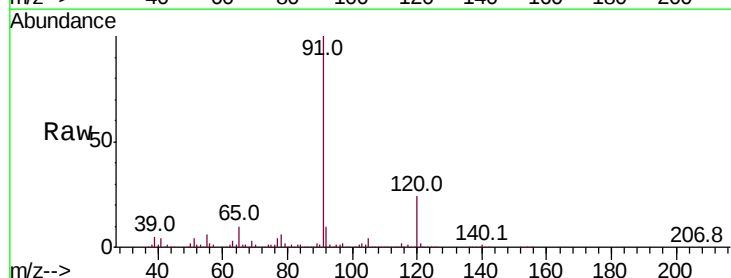
Acq: 23 May 2019 23:27

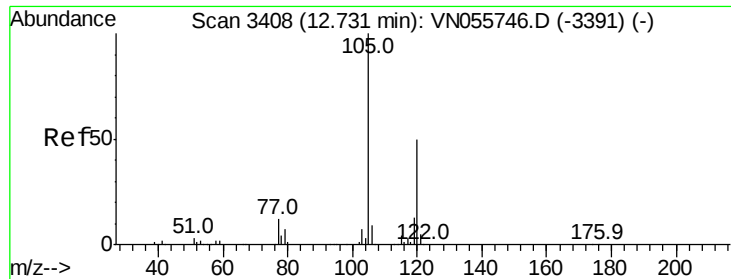
Tgt Ion: 91 Resp: 2391377

Ion Ratio Lower Upper

91 100

120 24.3 12.0 36.0





#80

1,3,5-Trimethylbenzene

Concen: 202.676 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055773.D

Acq: 23 May 2019 23:27

Instrument :

MSVOA_N

ClientSampleId :

P-10(4.5-5.0)

Tot Ion:105 Resp: 3257896

Ion Ratio Lower Upper

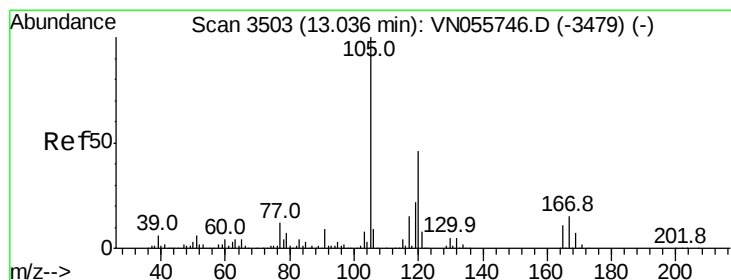
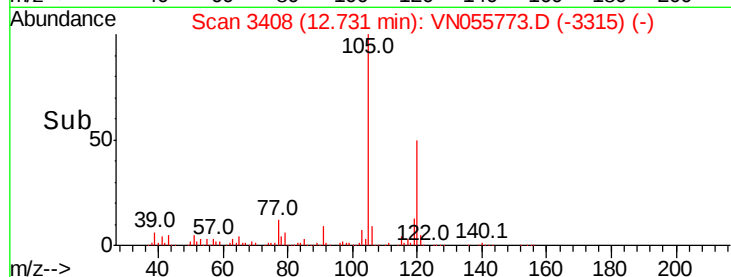
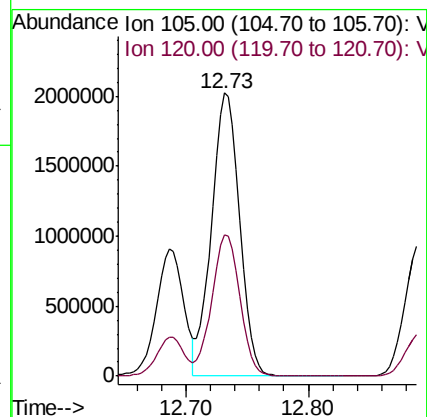
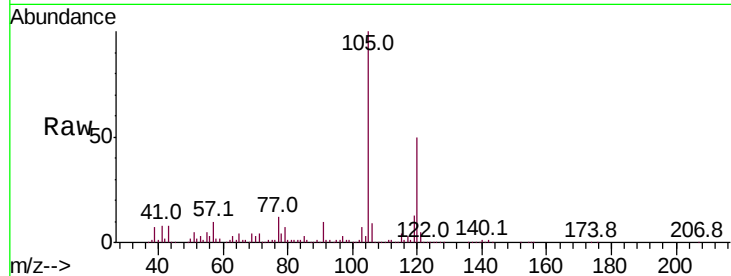
105 100

120 50.0 24.7 74.1

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 694.716 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN055773.D

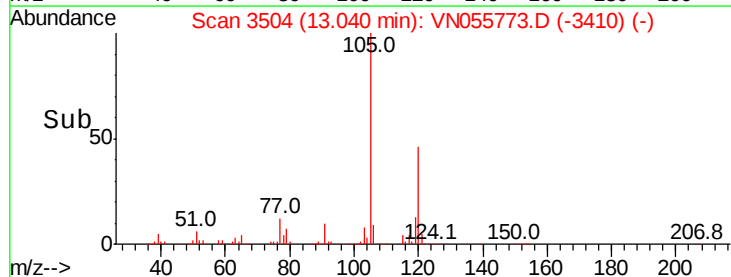
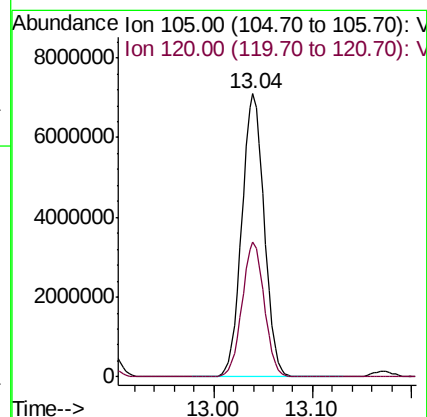
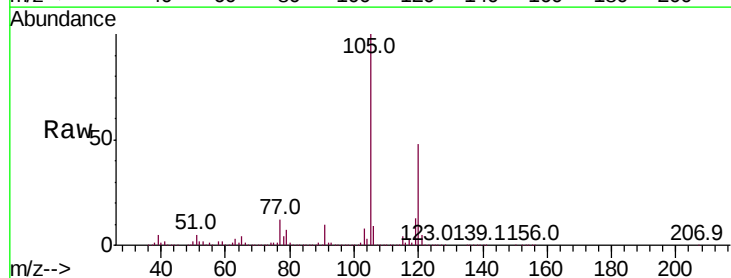
Acq: 23 May 2019 23:27

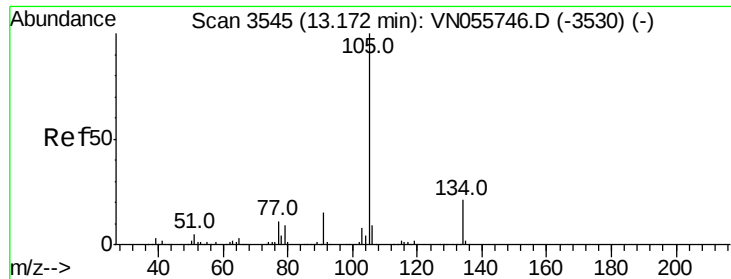
Tgt Ion:105 Resp:11092199

Ion Ratio Lower Upper

105 100

120 47.3 23.0 69.0





#85

sec-Butylbenzene

Concen: 9.855 ug/l m

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055773.D

Acq: 23 May 2019 23:27

Instrument :

MSVOA_N

ClientSampleId :

P-10(4.5-5.0)

Tot Ion:105 Resp: 220884

Ion Ratio Lower Upper

105 100

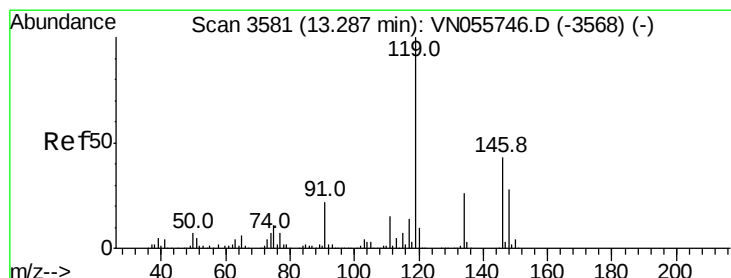
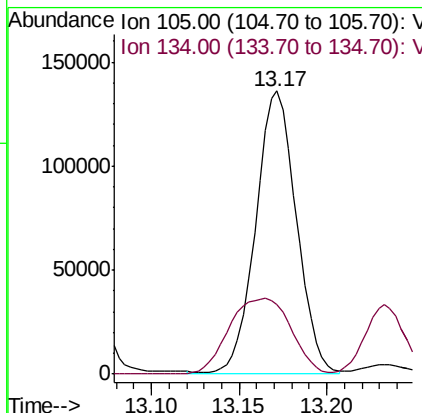
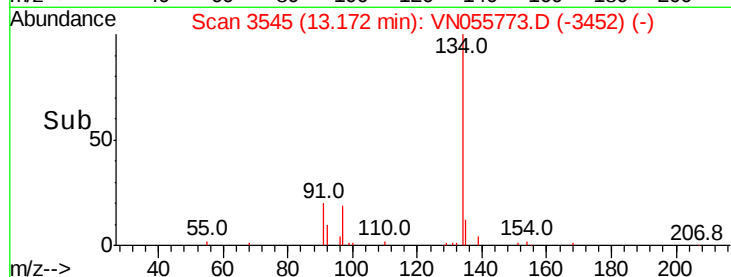
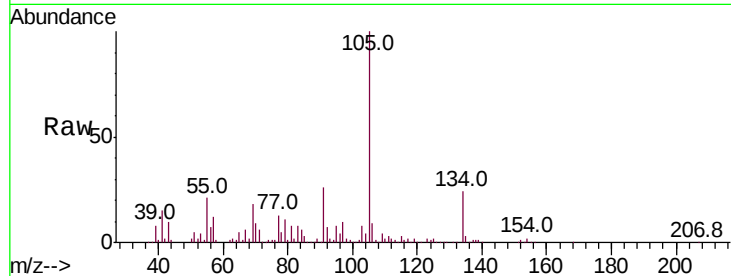
134 0.0 10.4 31.2#

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 5.993 ug/l m

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055773.D

Acq: 23 May 2019 23:27

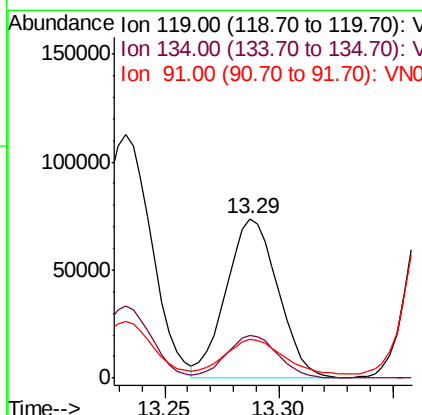
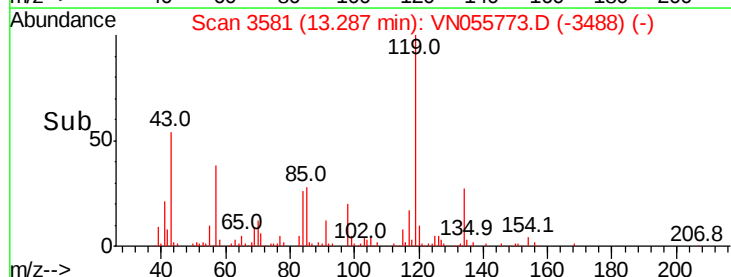
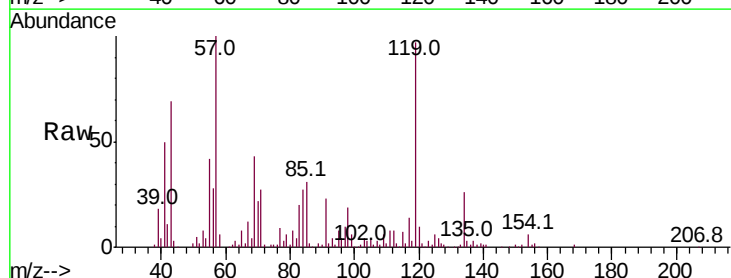
Tgt Ion:119 Resp: 116213

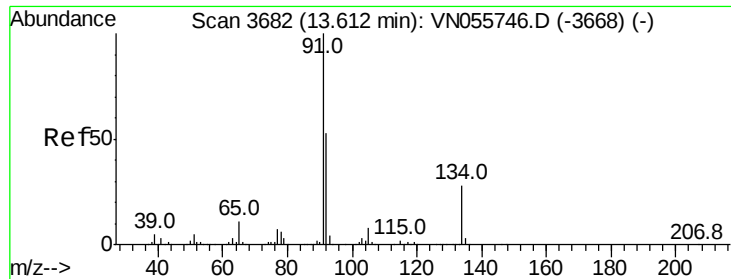
Ion Ratio Lower Upper

119 100

134 44.8 13.4 40.1#

91 31.1 10.9 32.9





#89

n-Butylbenzene

Concen: 20.737 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055773.D

Acq: 23 May 2019 23:27

Instrument :

MSVOA_N

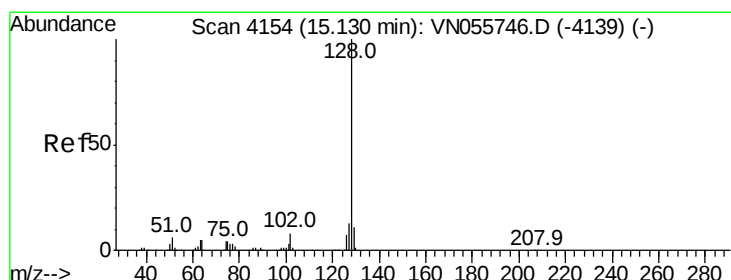
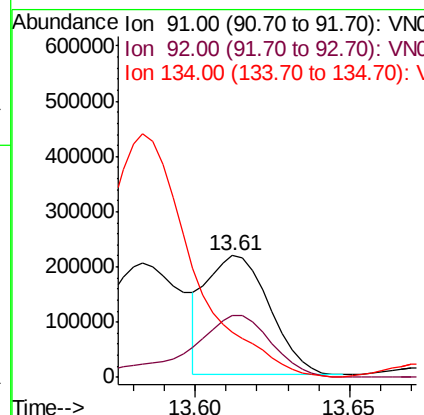
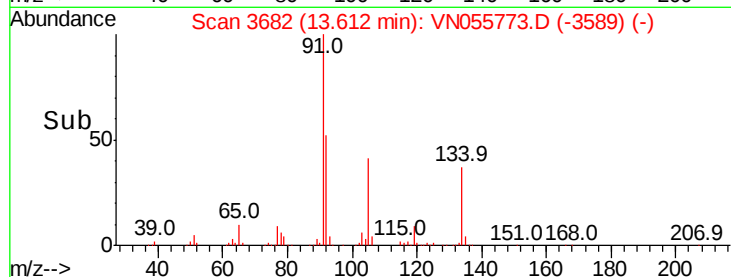
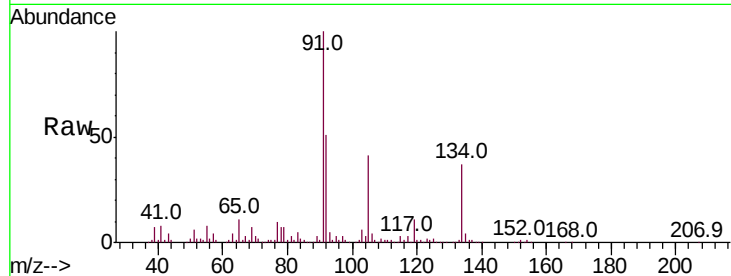
ClientSampled :

P-10(4.5-5.0)

Tot Ion:	91	Resp:	308108
Ion Ratio	Lower	Upper	
91	100		
92	69.2	26.4	79.0
134	0.0	13.9	41.7#

Manual Integrations
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#95

Naphthalene

Concen: 65.368 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055773.D

Acq: 23 May 2019 23:27

Tgt Ion:	128	Resp:	844358
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.3	15.5
129	10.9	8.7	13.1

