

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058333.D
 Acq On : 24 Sep 2019 7:24
 Operator : JC/SP
 Sample : K5008-13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TWP-8

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:49:56 AM

Quant Time: Sep 24 09:29:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	539634	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	885452	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	769716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	337715	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	382381	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	
35) Dibromofluoromethane	7.58	113	267808	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
50) Toluene-d8	10.09	98	1207561	57.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.16%	
62) 4-Bromofluorobenzene	12.41	95	412599	52.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.92%	

Target Compounds

					Qvalue
17) Carbon Disulfide	4.04	76	7777	1.931	ug/l 99
31) Cyclohexane	7.63	56	156381	23.728	ug/l # 60
39) Methylcyclohexane	9.07	83	258170m	41.828	ug/l
40) Benzene	8.02	78	10314	0.529	ug/l 99
52) Toluene	10.15	92	7599	0.622	ug/l 81
73) Isopropylbenzene	12.25	105	1684125	79.670	ug/l 99
78) n-propylbenzene	12.60	91	2605935	108.485	ug/l 98
83) tert-Butylbenzene	13.00	119	68388	4.290	ug/l 96
85) sec-Butylbenzene	13.18	105	416319	19.972	ug/l 82
89) n-Butylbenzene	13.62	91	284369	16.185	ug/l 92

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

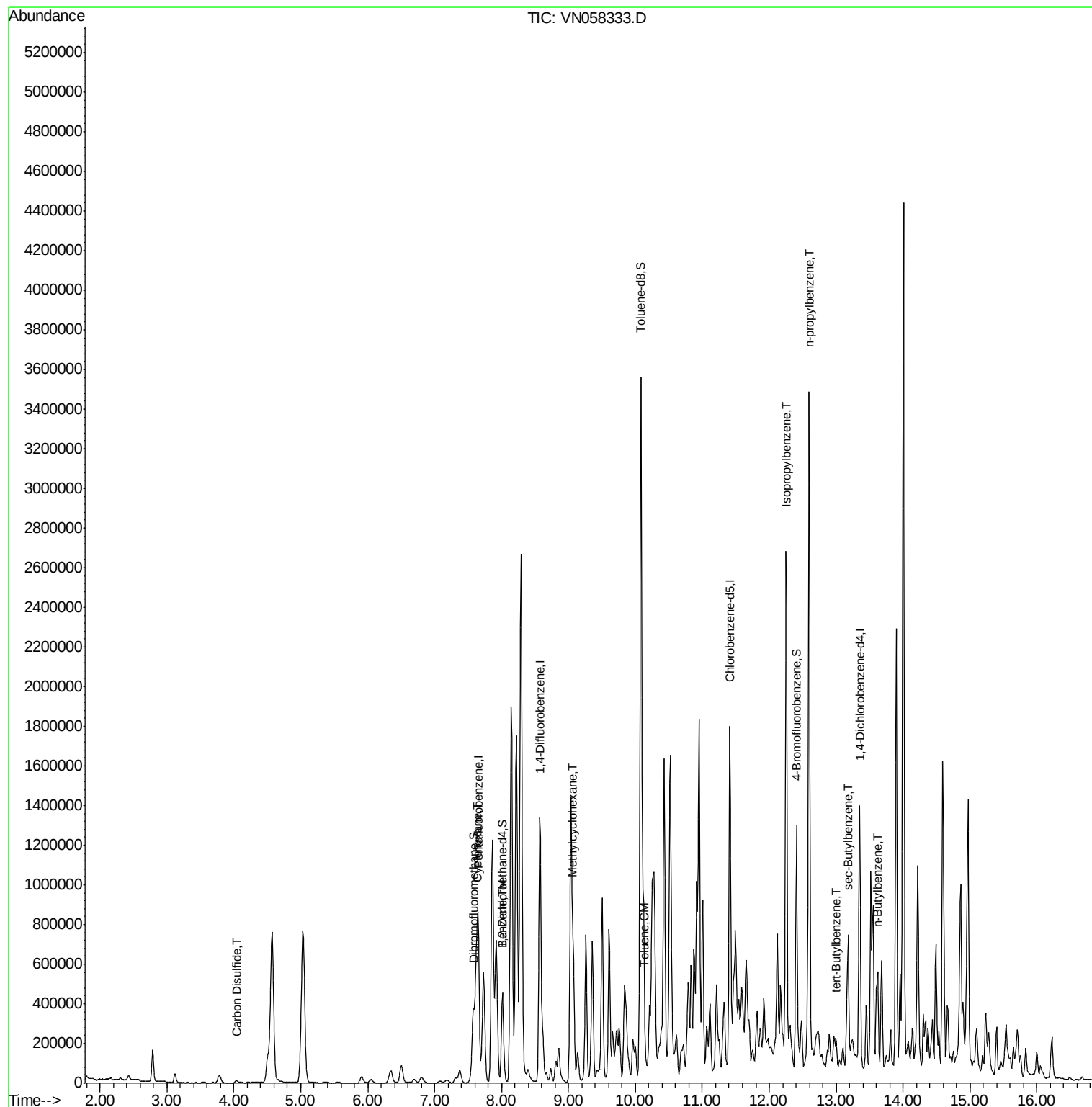
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092319\
Data File : VN058333.D
Acq On : 24 Sep 2019 7:24
Operator : JC/SP
Sample : K5008-13
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 63 Sample Multiplier: 1

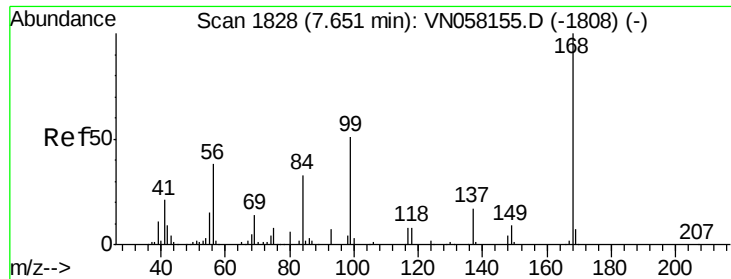
Instrument :
MSVOA_N
ClientSampleId :
TWP-8

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9/25/2019 12:49:56 AM

Quant Time: Sep 24 09:29:53 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 19 09:27:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058333.D

Acq: 24 Sep 2019 7:24

Instrument :

MSVOA_N

ClientSampled :

TWP-8

Tot Ion:168 Resp: 539634

Ion Ratio Lower Upper

168 100

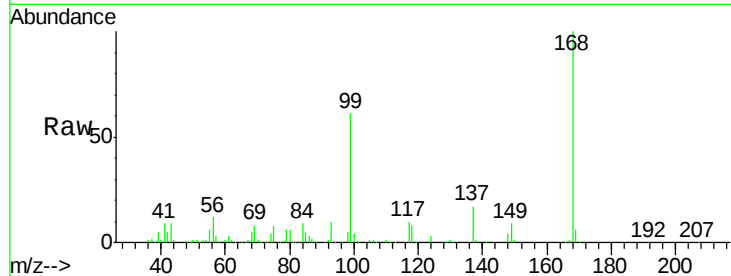
99 60.8 47.4 71.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

250000

200000

150000

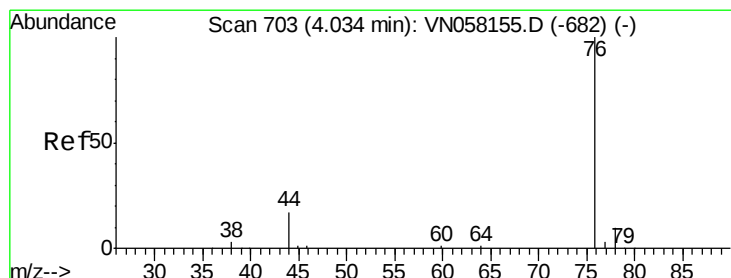
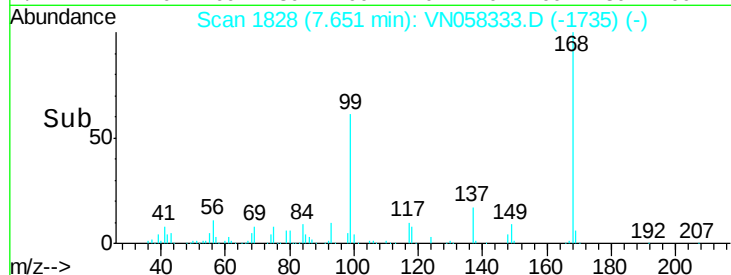
100000

50000

0

7.60 7.70 7.80

Time-->



#17

Carbon Disulfide

Concen: 1.931 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.01 min

Lab File: VN058333.D

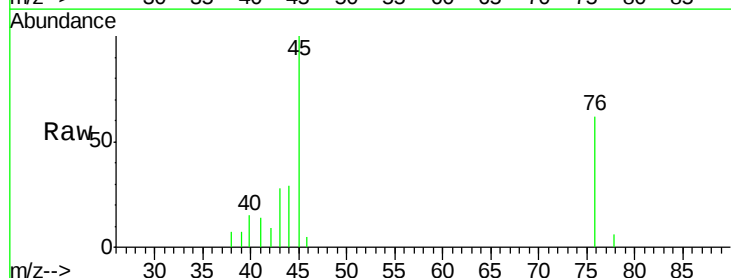
Acq: 24 Sep 2019 7:24

Tgt Ion: 76 Resp: 7777

Ion Ratio Lower Upper

76 100

78 9.3 7.7 11.5



Abundance Ion 75.90 (75.60 to 76.60): VN

Ion 77.90 (77.60 to 78.60): VN

4.04

3000

2500

2000

1500

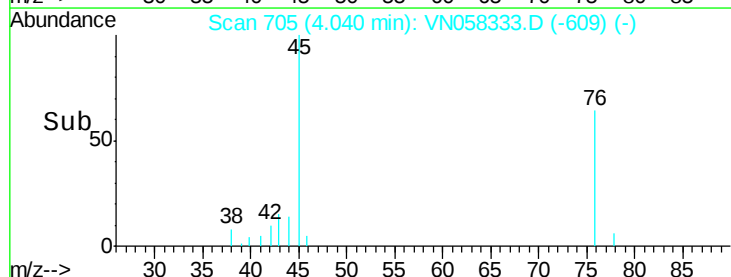
1000

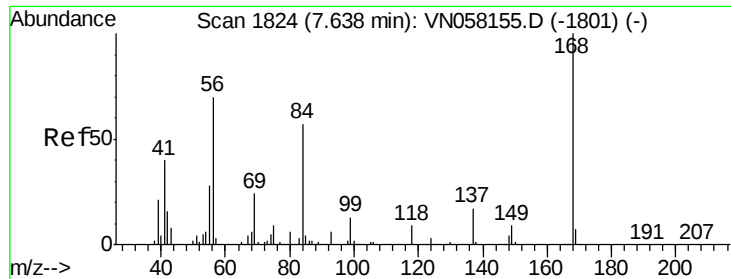
500

0

3.95 4.00 4.05 4.10

Time-->





#31

Cyclohexane

Concen: 23.728 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.01 min

Lab File: VN058333.D

Acq: 24 Sep 2019 7:24

Instrument :

MSVOA_N

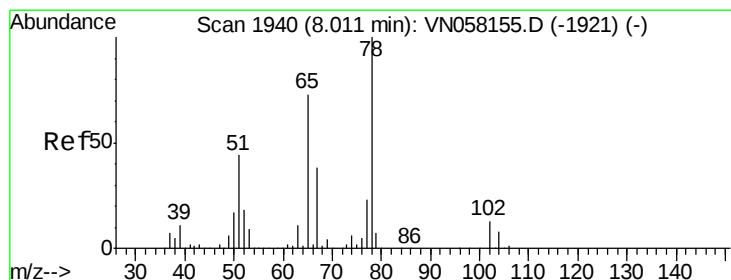
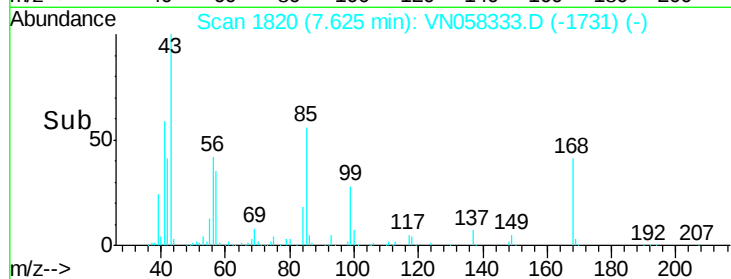
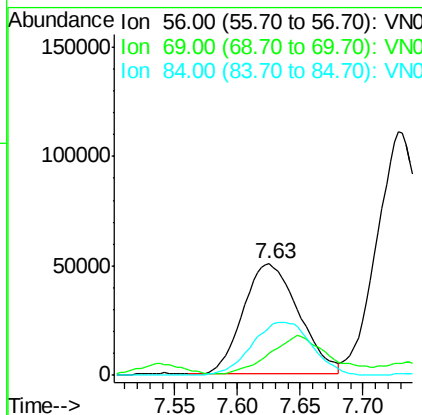
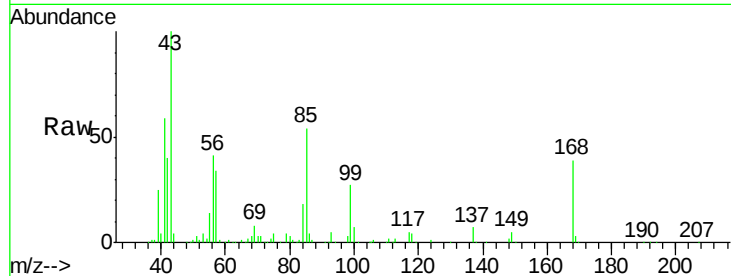
ClientSampled :

TWP-8

Tot Ion:	56	Resp:	156381
Ion Ratio	Lower	Upper	
56	100		
69	14.8	27.3	40.9#
84	43.8	65.0	97.4#

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#33

1,2-Dichloroethane-d4

Concen: 50.875 ug/l

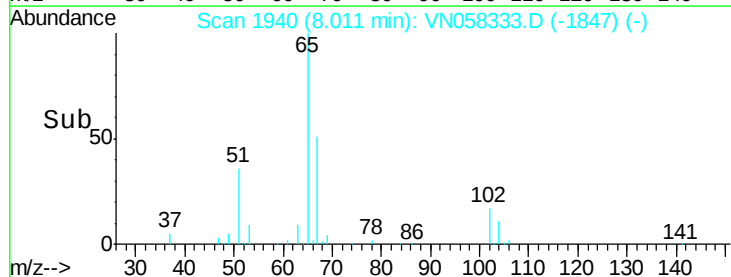
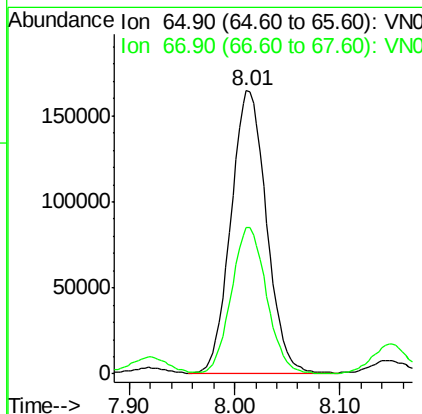
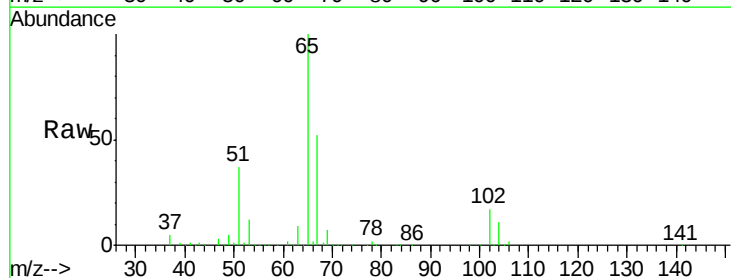
RT: 8.01 min Scan# 1940

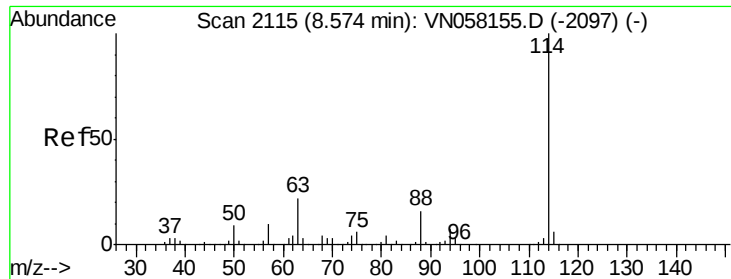
Delta R.T. 0.00 min

Lab File: VN058333.D

Acq: 24 Sep 2019 7:24

Tgt Ion:	65	Resp:	382381
Ion Ratio	Lower	Upper	
65	100		
67	51.1	0.0	103.4





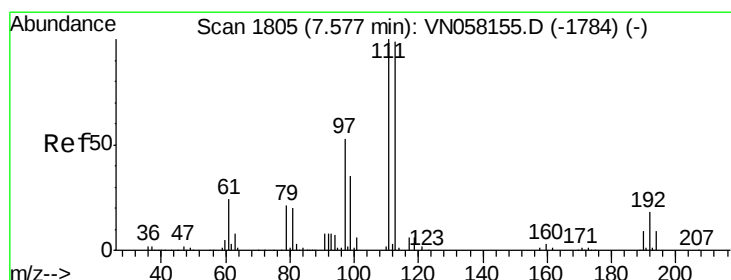
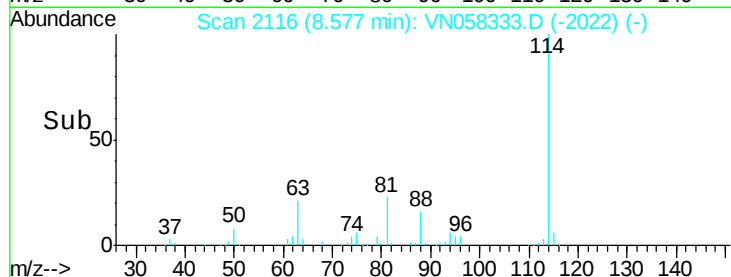
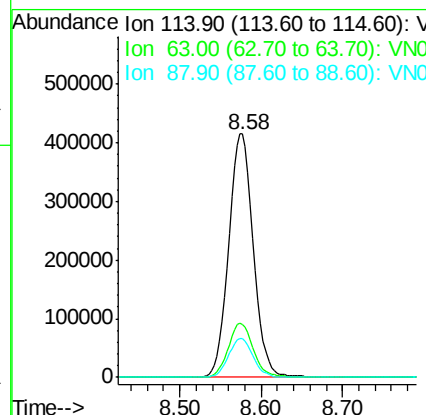
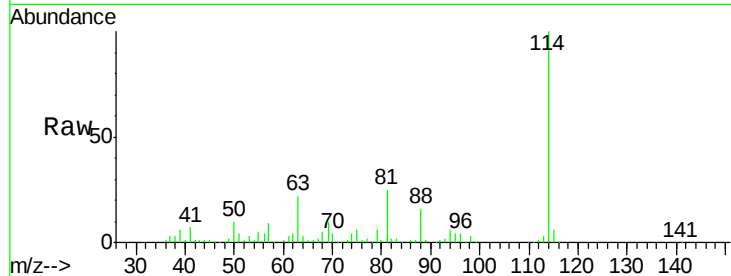
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN058333.D
 Acq: 24 Sep 2019 7:24

Instrument :
 MSVOA_N
 ClientSampled :
 TWP-8

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	22.0	0.0	44.2
88	15.8	0.0	31.6

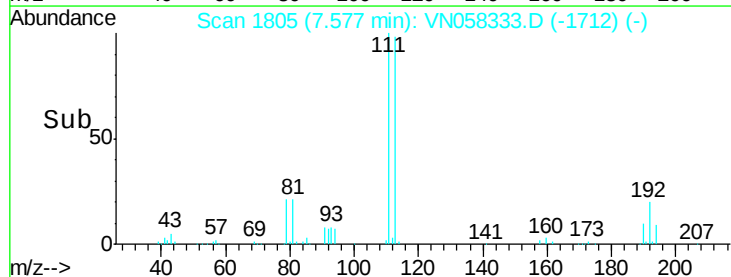
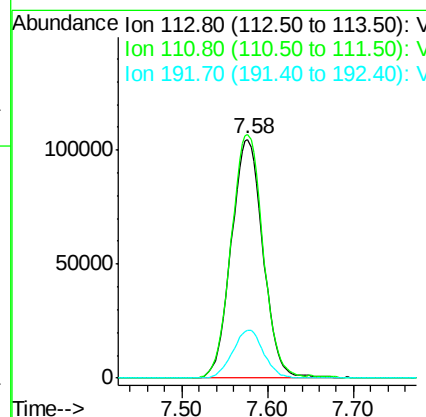
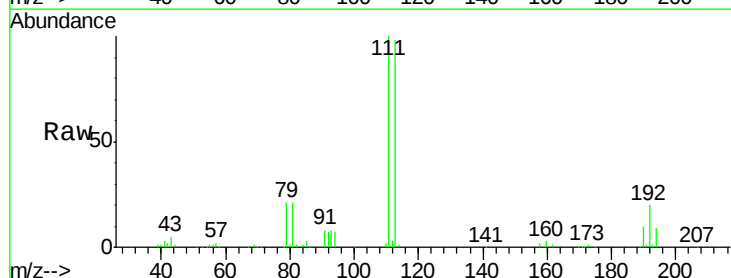
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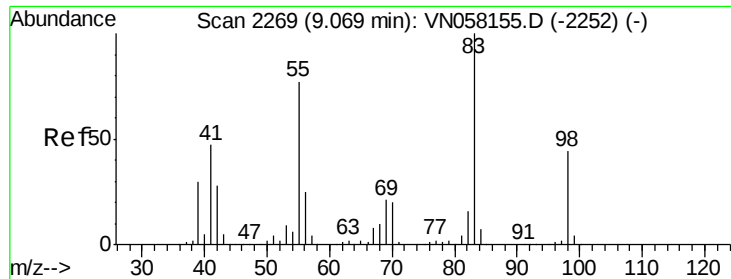
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#35
 Dibromofluoromethane
 Concen: 49.752 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN058333.D
 Acq: 24 Sep 2019 7:24

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	102.5	81.8	122.6
192	19.6	14.5	21.7





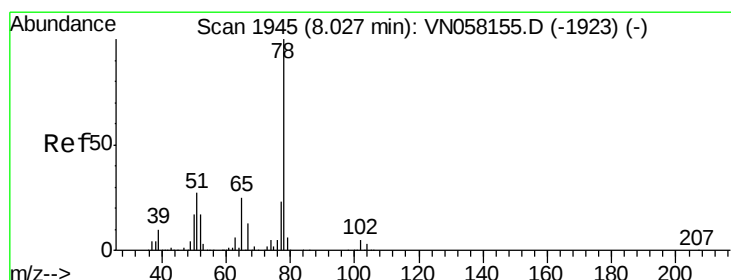
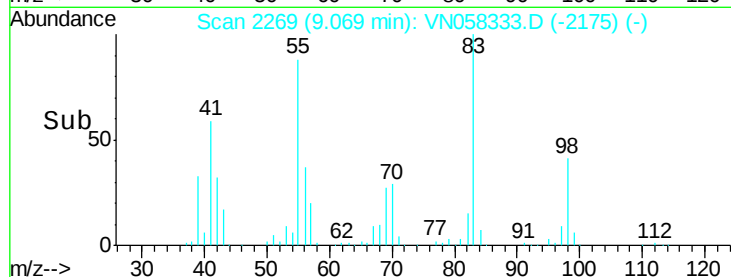
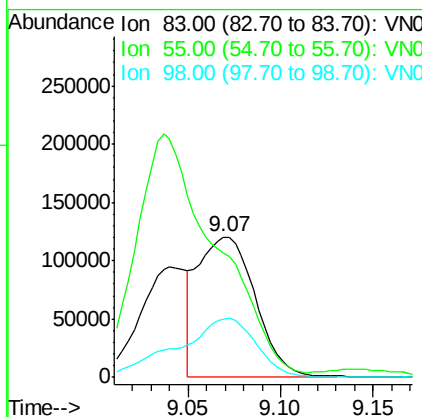
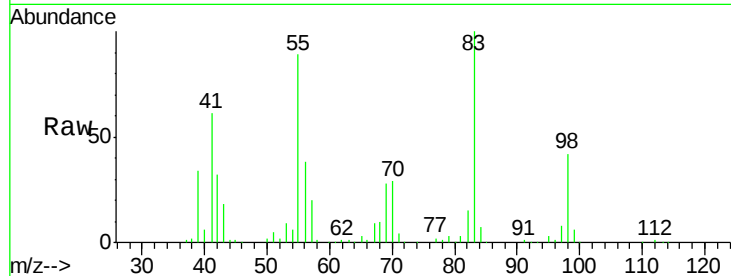
#39
Methvlcvclohexane
Concen: 41.828 ug/l m
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN058333.D
Acq: 24 Sep 2019 7:24

Instrument :
MSVOA_N
ClientSampled :
TWP-8

Tot Ion	Ratio	Resp	Lower	Upper
83	100	258170		
55	88.8	61.9	92.9	
98	41.8	35.4	53.2	

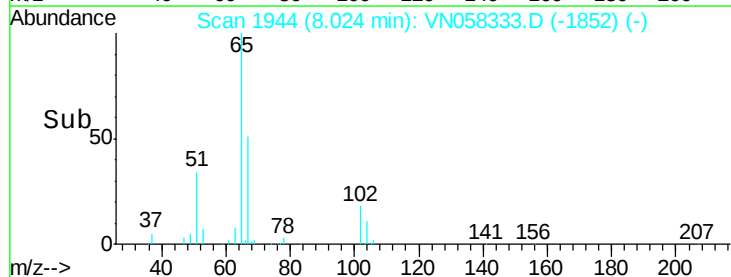
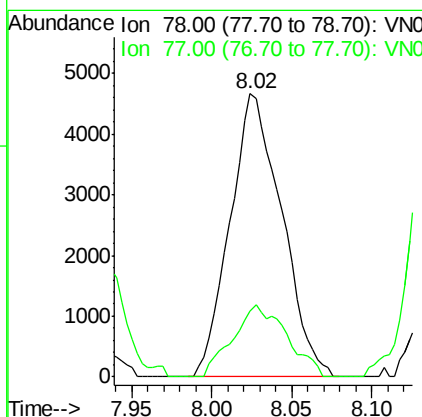
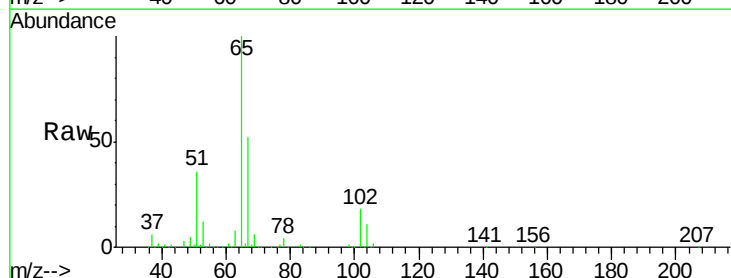
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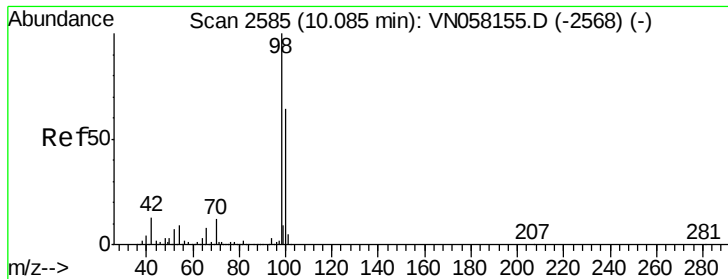
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#40
Benzene
Concen: 0.529 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058333.D
Acq: 24 Sep 2019 7:24

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	10314		
77	23.1	18.8	28.2	





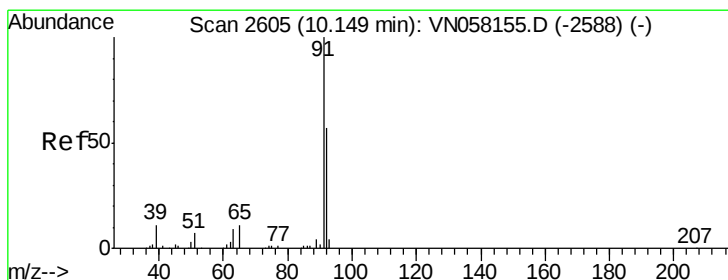
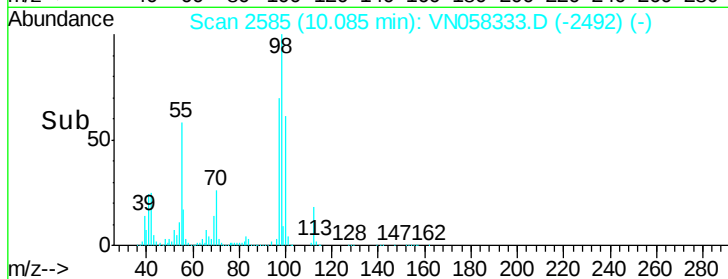
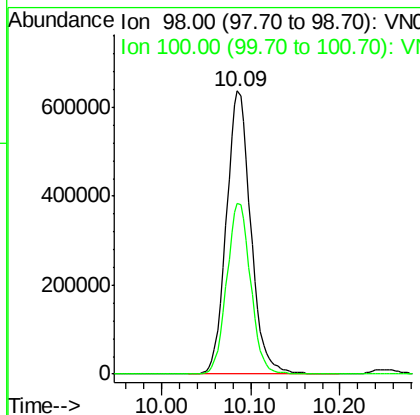
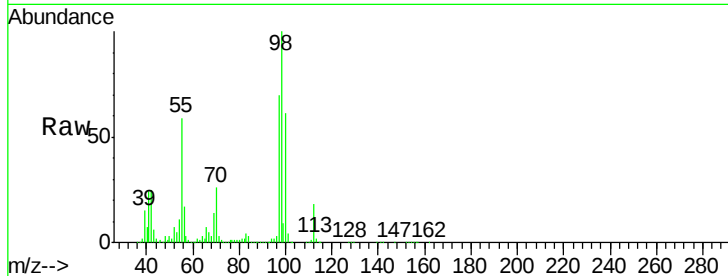
#50
Toluene-d8
Concen: 57.578 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058333.D
Acq: 24 Sep 2019 7:24

Instrument :
MSVOA_N
ClientSampled :
TWP-8

Tot Ion: 98 Resp: 1207561
Ion Ratio Lower Upper
98 100
100 58.9 51.1 76.7

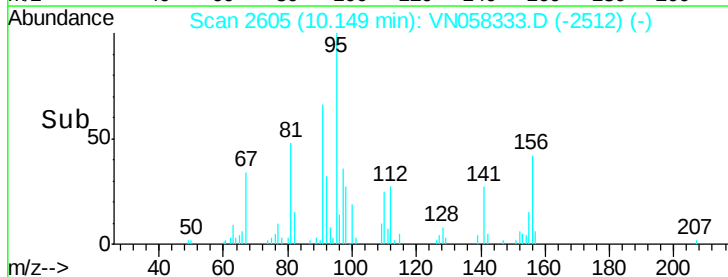
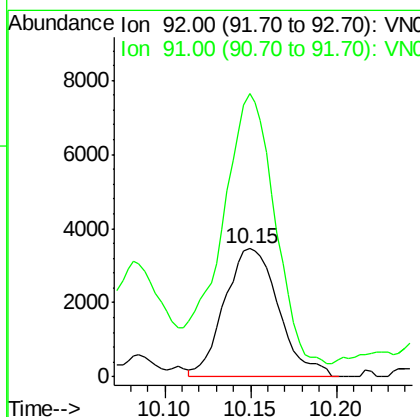
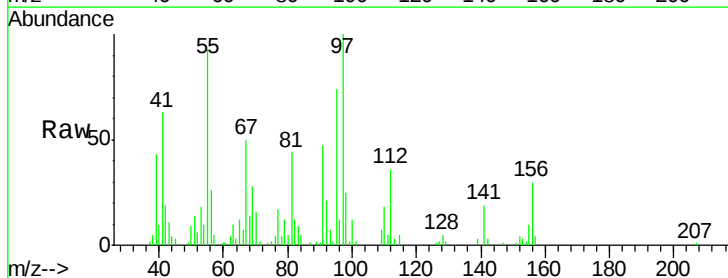
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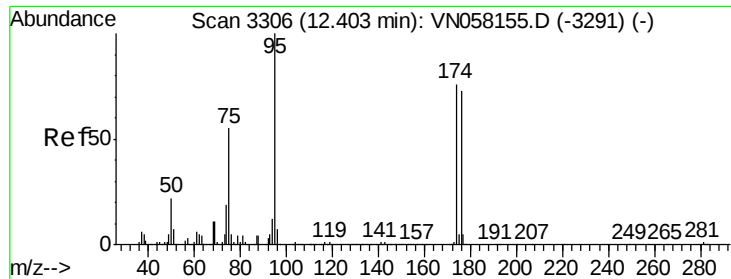
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#52
Toluene
Concen: 0.622 ug/l
RT: 10.15 min Scan# 2605
Delta R.T. 0.00 min
Lab File: VN058333.D
Acq: 24 Sep 2019 7:24

Tgt Ion: 92 Resp: 7599
Ion Ratio Lower Upper
92 100
91 202.0 140.2 210.2





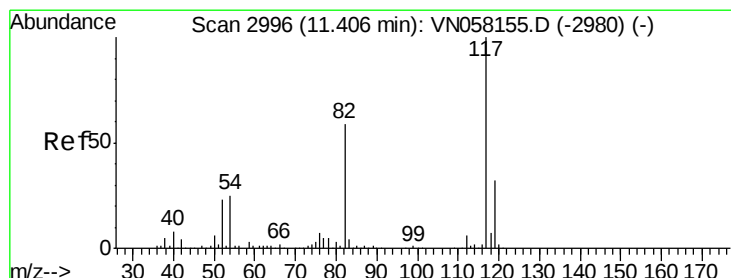
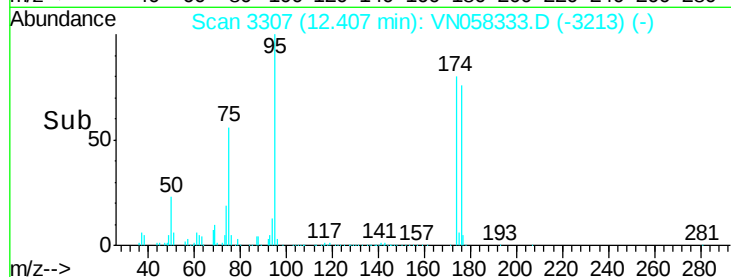
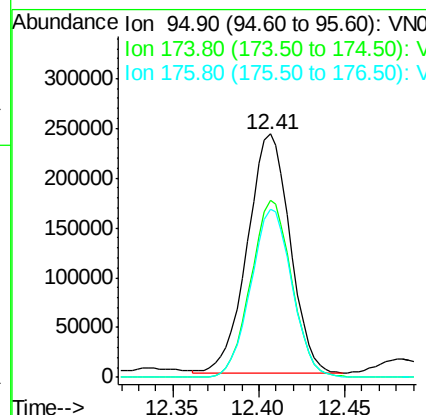
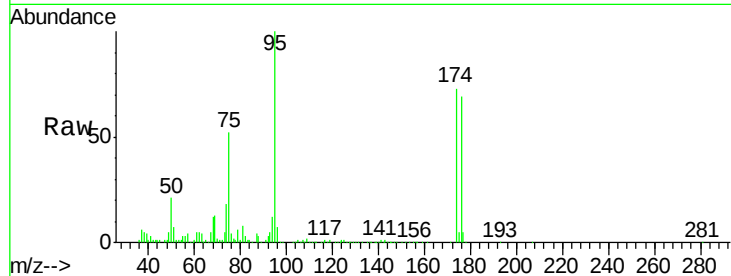
#62
4-Bromofluorobenzene
Concen: 52.962 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN058333.D
Acq: 24 Sep 2019 7:24

Instrument :
MSVOA_N
ClientSampleId :
TWP-8

Tot Ion	Ratio	Resp	Lower	Upper
95	100	412599		
174	70.9	0.0	152.2	
176	68.0	0.0	148.0	

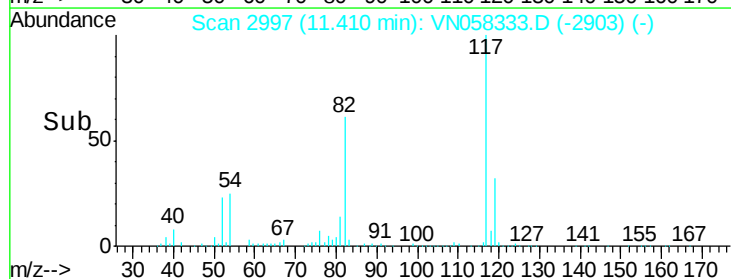
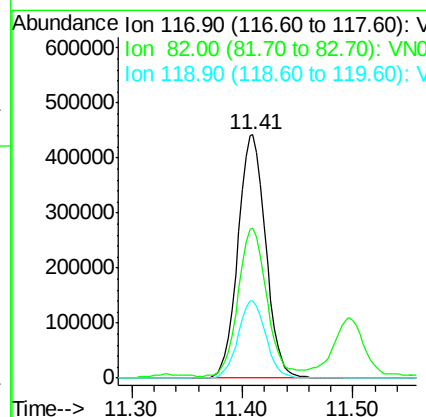
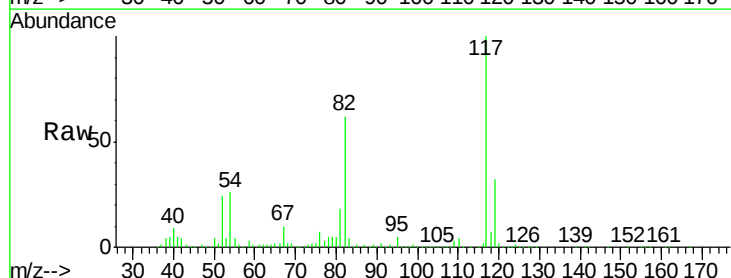
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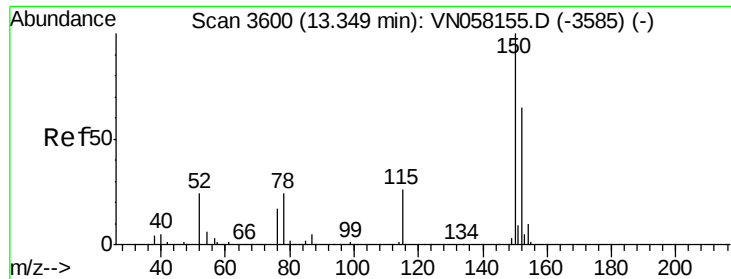
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058333.D
Acq: 24 Sep 2019 7:24

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	769716		
82	60.9	46.9	70.3	
119	31.9	25.3	37.9	





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058333.D

Acq: 24 Sep 2019 7:24

Instrument :

MSVOA_N

ClientSampled :

TWP-8

Tot Ion:152 Resp: 337715

Ion Ratio Lower Upper

152 100

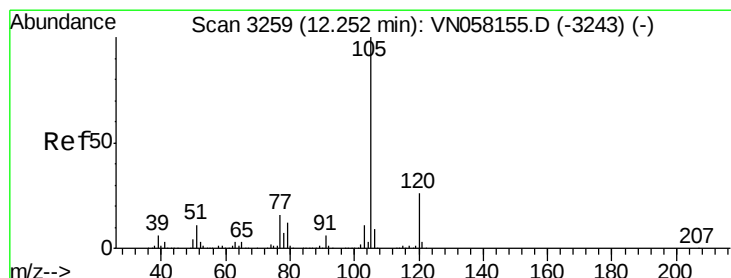
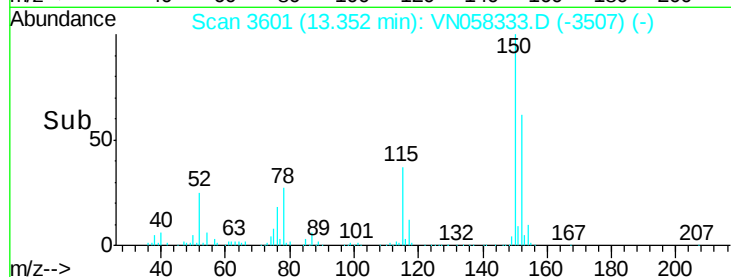
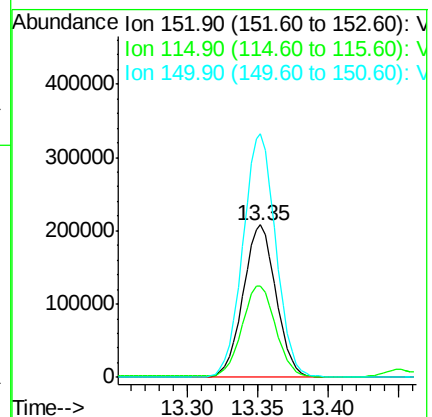
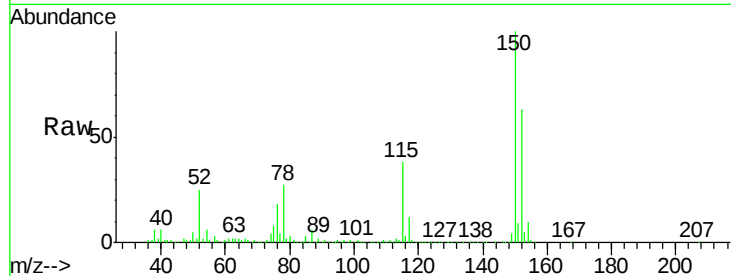
115 61.9 30.1 90.3

150 160.6 0.0 346.4

Manual Integrations
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9/25/2019 12:49:56 AM



#73

Isopropylbenzene

Concen: 79.670 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058333.D

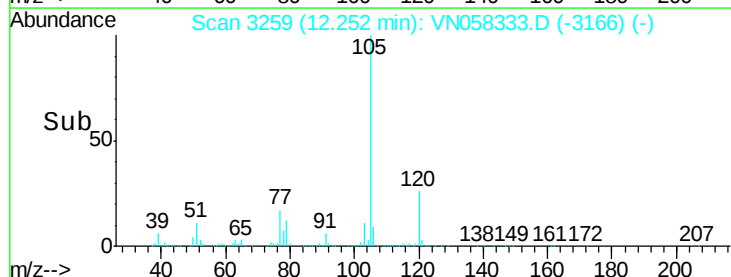
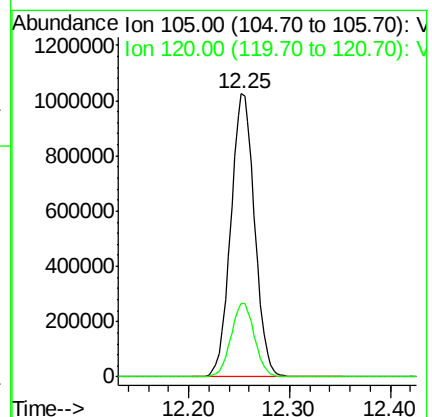
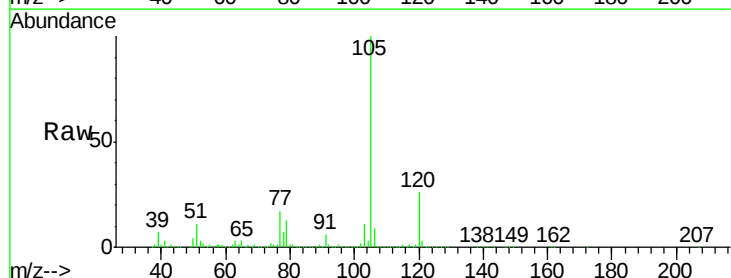
Acq: 24 Sep 2019 7:24

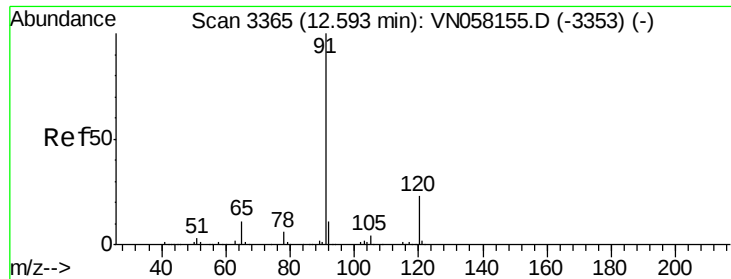
Tgt Ion:105 Resp: 1684125

Ion Ratio Lower Upper

105 100

120 25.8 12.8 38.3





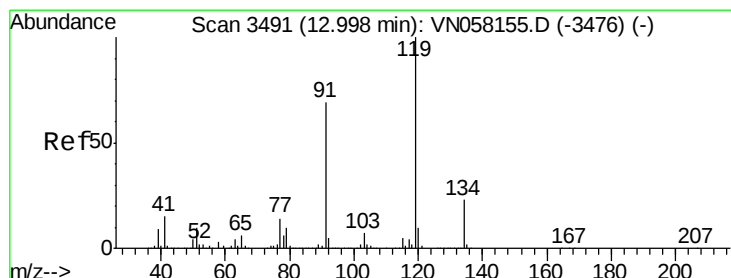
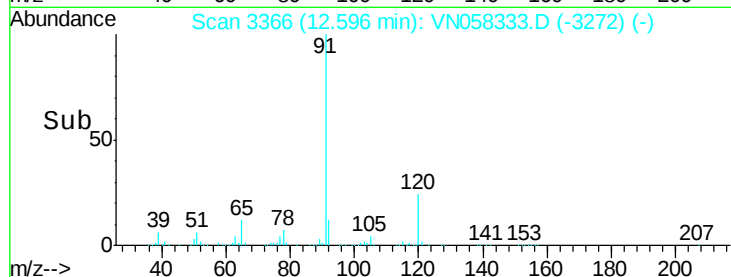
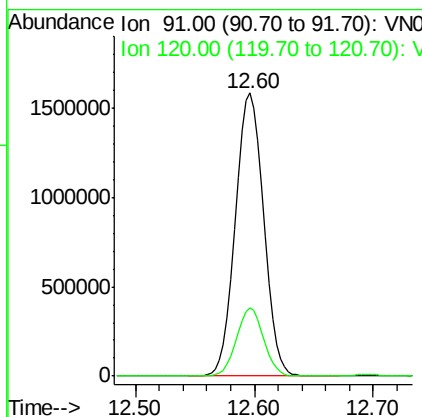
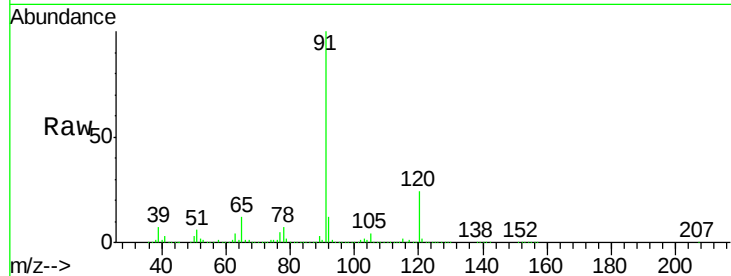
#78
n-propylbenzene
Concen: 108.485 ug/l
RT: 12.60 min Scan# 3366
Delta R.T. 0.00 min
Lab File: VN058333.D
Acq: 24 Sep 2019 7:24

Instrument :
MSVOA_N
ClientSampleId :
TWP-8

Tot Ion: 91 Resp: 2605935
Ion Ratio Lower Upper
91 100
120 23.1 11.1 33.3

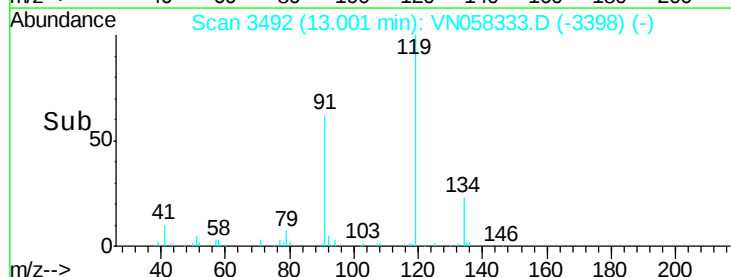
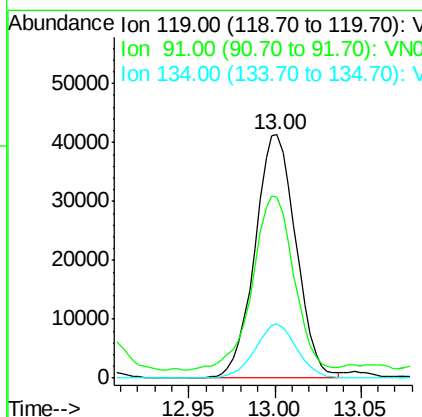
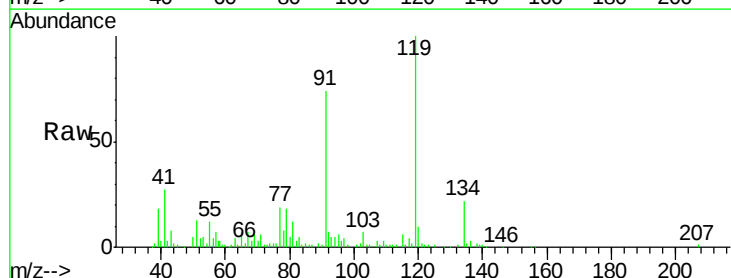
Manual Integrations
APPROVED

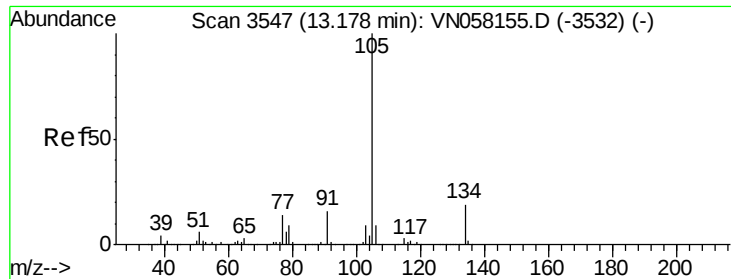
MMDadoda
9/25/2019 12:49:56 AM



#83
tert-Butylbenzene
Concen: 4.290 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. 0.00 min
Lab File: VN058333.D
Acq: 24 Sep 2019 7:24

Tgt Ion: 119 Resp: 68388
Ion Ratio Lower Upper
119 100
91 71.4 33.8 101.3
134 22.4 11.6 34.8





#85

sec-Butylbenzene

Concen: 19.972 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058333.D

Acq: 24 Sep 2019 7:24

Instrument :

MSVOA_N

ClientSampleId :

TWP-8

Tot Ion: 105 Resp: 416319

Ion Ratio Lower Upper

105 100

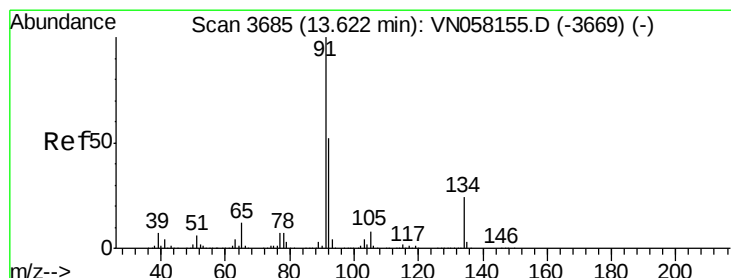
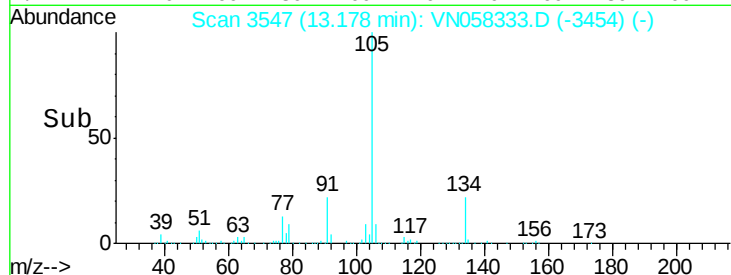
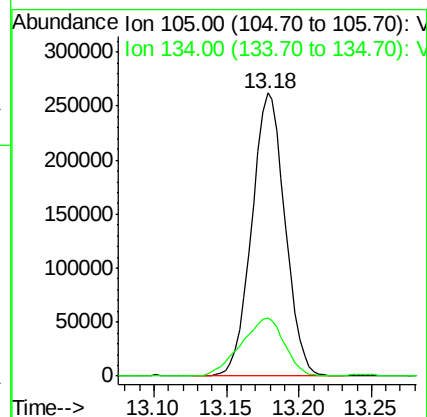
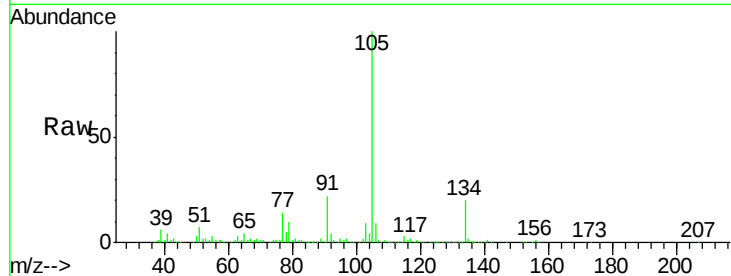
134 27.0 9.5 28.5

Manual Integrations

APPROVED

MMDadoda

9/25/2019 12:49:56 AM



#89

n-Butylbenzene

Concen: 16.185 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058333.D

Acq: 24 Sep 2019 7:24

Tgt Ion: 91 Resp: 284369

Ion Ratio Lower Upper

91 100

92 44.7 25.7 77.0

134 20.7 11.8 35.4

