

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020320\
 Data File : VN059981.D
 Acq On : 3 Feb 2020 17:42
 Operator : JC/MD
 Sample : L1346-06 20X
 Misc : 8.14g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PD-4-(30-32)

Manual Integrations
 APPROVED

MMDadoda
 2/4/2020 11:20:41 AM

Quant Time: Feb 04 08:23:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	207644	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	323070	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	293912	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	141416	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	117511	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
35) Dibromofluoromethane	7.57	113	97410	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
50) Toluene-d8	10.08	98	385567	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	
62) 4-Bromofluorobenzene	12.40	95	139326	51.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.54%	
Target Compounds						
					Qvalue	
31) Cyclohexane	7.63	56	12127	3.554	ug/l #	65
39) Methylcyclohexane	9.07	83	20199	5.823	ug/l	94
67) Ethyl Benzene	11.51	91	64958	6.194	ug/l	97
68) m/p-Xylenes	11.62	106	74992	18.931	ug/l	97
69) o-Xylene	11.94	106	2414	0.622	ug/l	98
73) Isopropylbenzene	12.25	105	10141	0.978	ug/l	97
78) n-propylbenzene	12.59	91	48259	4.146	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	58828	6.745	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	179482	20.800	ug/l	98
85) sec-Butylbenzene	13.17	105	4678m	0.472	ug/l	
86) p-Isopropyltoluene	13.29	119	2226	0.243	ug/l	92
89) n-Butylbenzene	13.61	91	11022m	1.410	ug/l	
95) Naphthalene	15.13	128	43416	5.632	ug/l	98

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

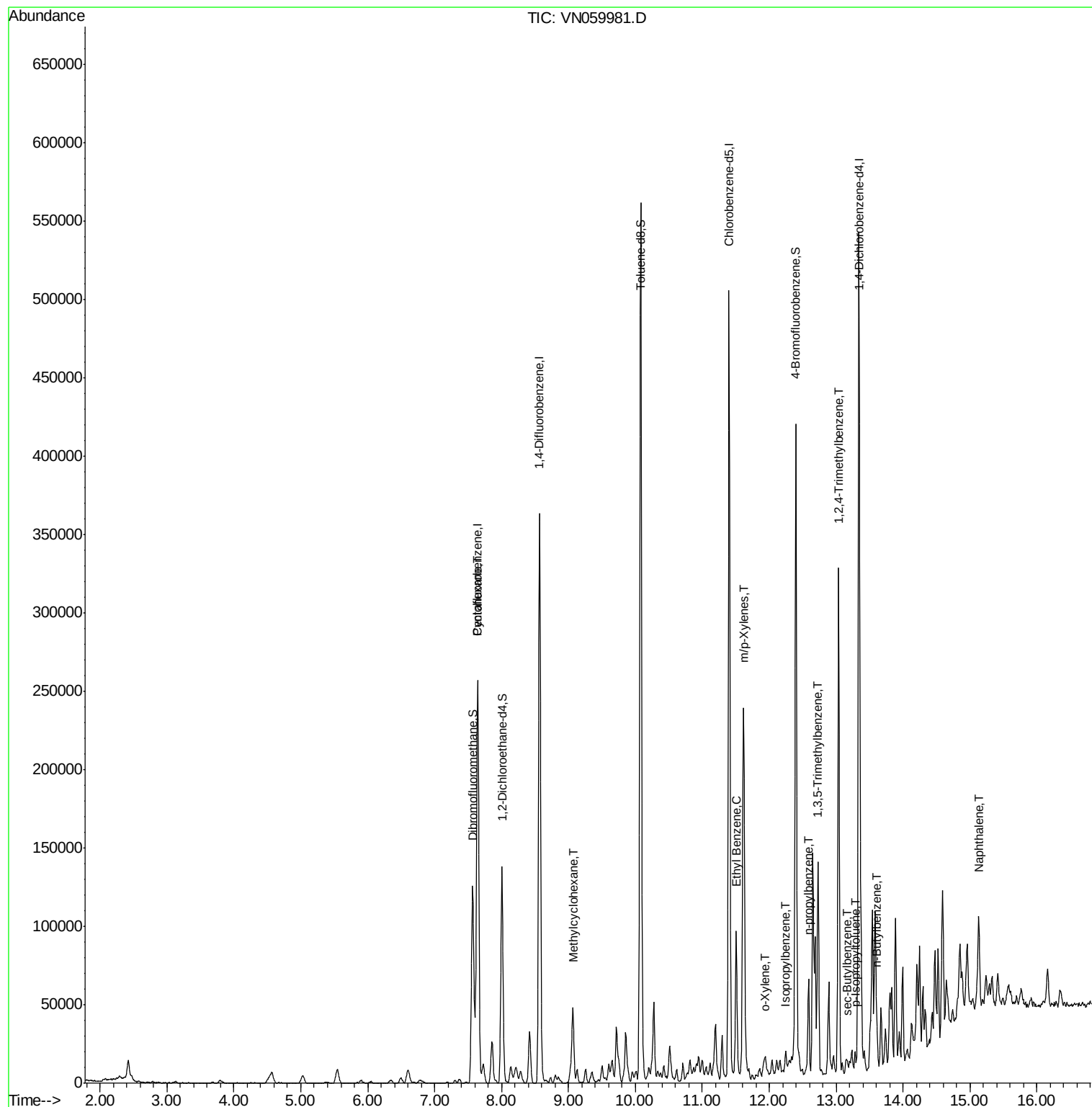
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN020320\
Data File : VN059981.D
Acq On : 3 Feb 2020 17:42
Operator : JC/MD
Sample : L1346-06 20X
Misc : 8.14uL/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 20 Sample Multiplier: 1

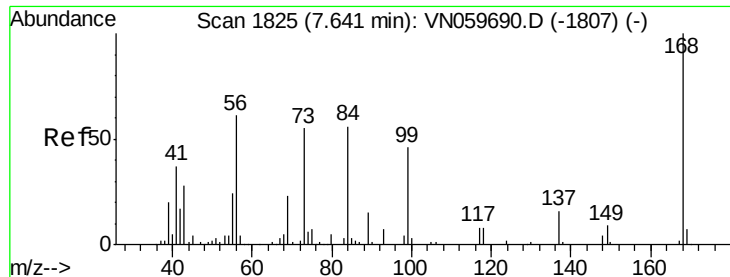
Instrument :
MSVOA_N
ClientSampleId :
PD-4-(30-32)

Manual Integrations
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Quant Time: Feb 04 08:23:35 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
Quant Title : SW846 8260
QLast Update : Sat Jan 18 03:09:32 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059981.D

Acq: 3 Feb 2020 17:42

Instrument :

MSVOA_N

ClientSampled :

PD-4-(30-32)

Tot Ion:168 Resp: 207644

Ion Ratio Lower Upper

168 100

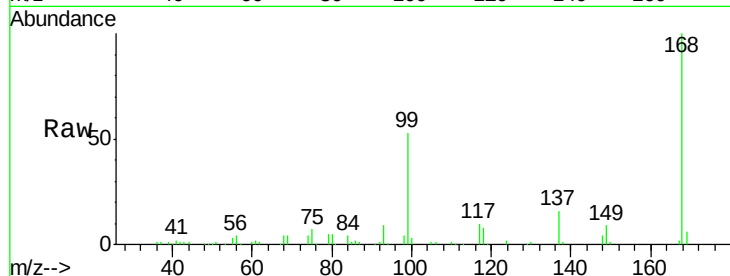
99 52.6 48.2 72.4

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

7.64

100000

80000

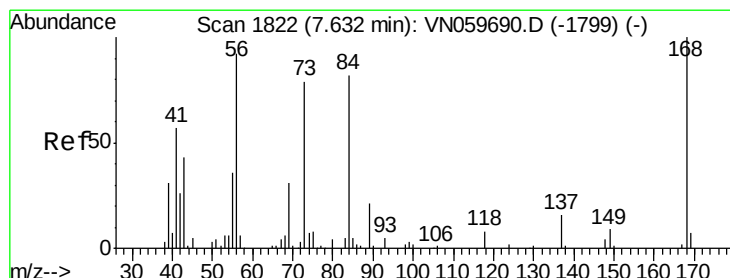
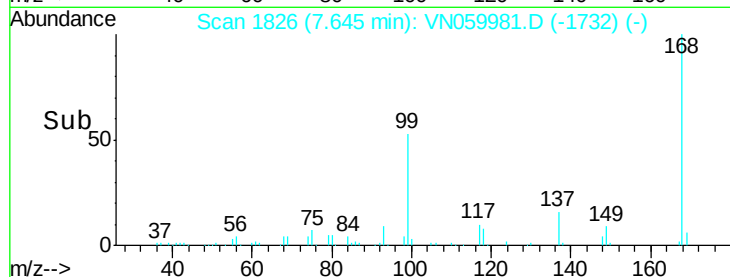
60000

40000

20000

0

Time-->



#31

Cyclohexane

Concen: 3.554 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059981.D

Acq: 3 Feb 2020 17:42

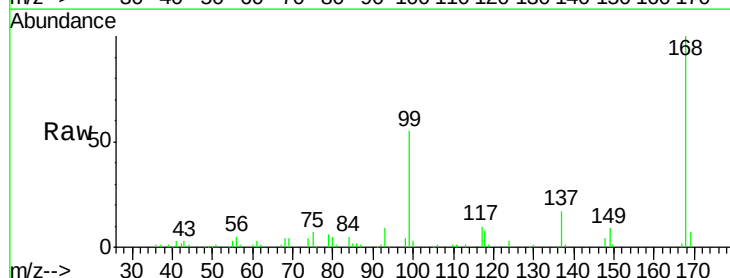
Tgt Ion: 56 Resp: 12127

Ion Ratio Lower Upper

56 100

69 82.2 26.5 39.7#

84 94.5 65.3 97.9



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

5000

4000

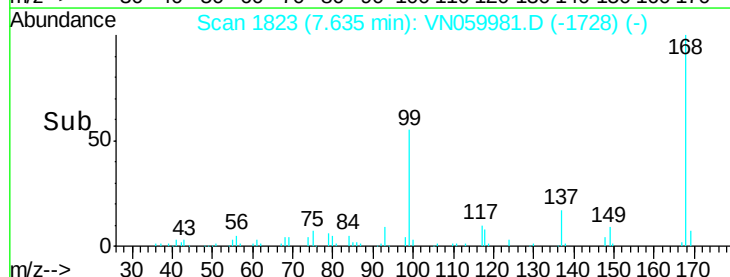
3000

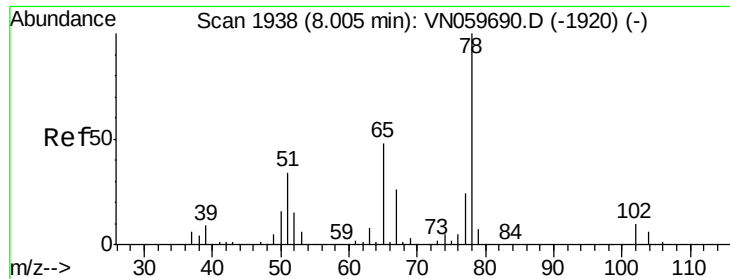
2000

1000

0

Time-->





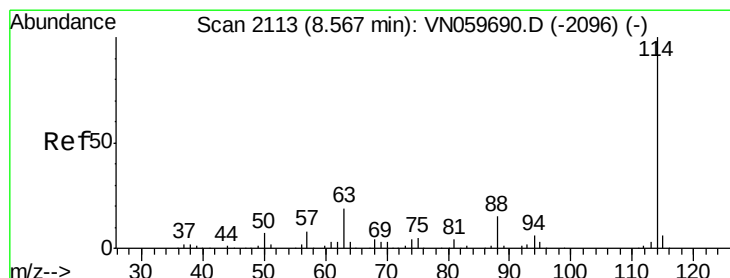
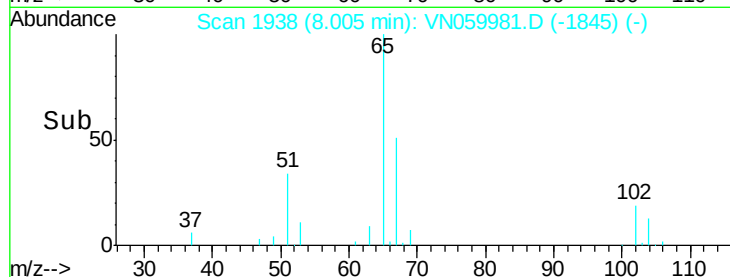
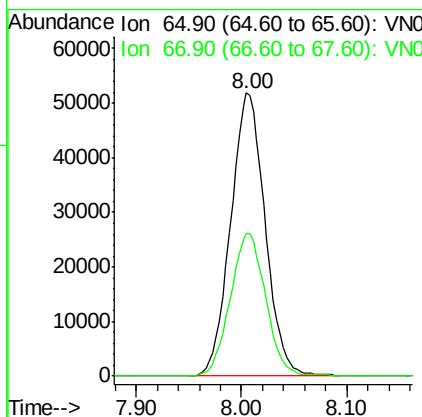
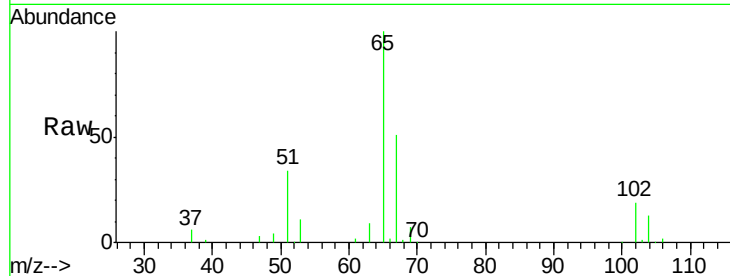
#33
 1,2-Dichloroethane-d4
 Concen: 50.960 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059981.D
 Acq: 3 Feb 2020 17:42

Instrument :
 MSVOA_N
 ClientSampled :
 PD-4-(30-32)

Tot Ion	Ratio	Resp	Lower	Upper
65	100	117511		
67	51.9	0.0	103.0	

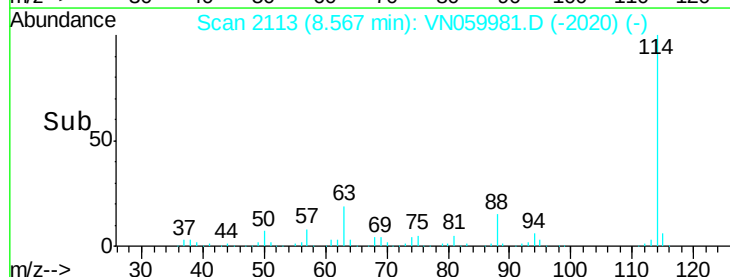
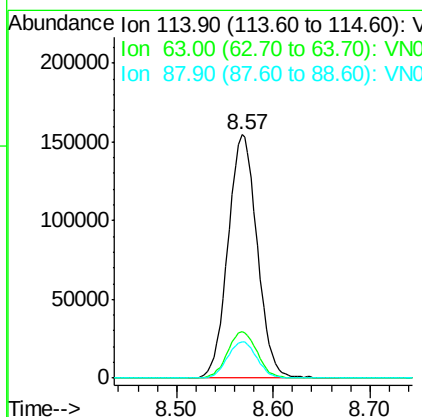
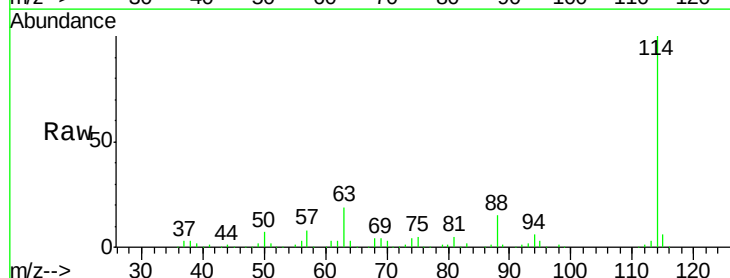
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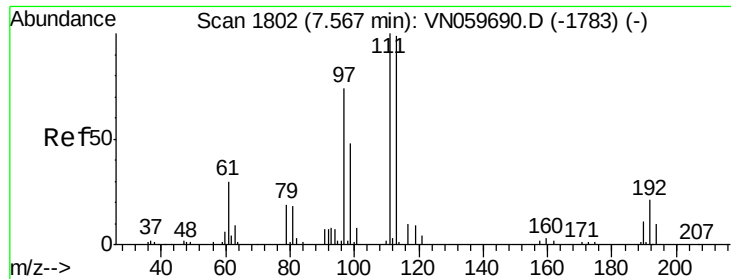
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059981.D
 Acq: 3 Feb 2020 17:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	323070		
63	19.0	0.0	43.6	
88	15.1	0.0	31.4	





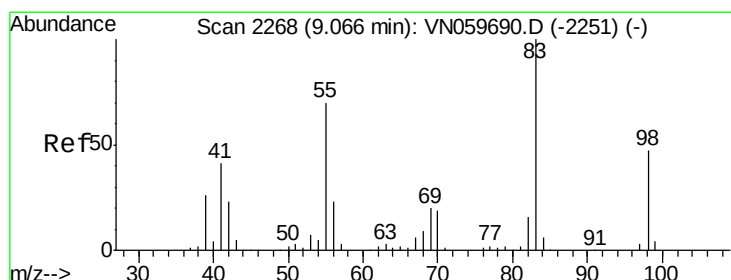
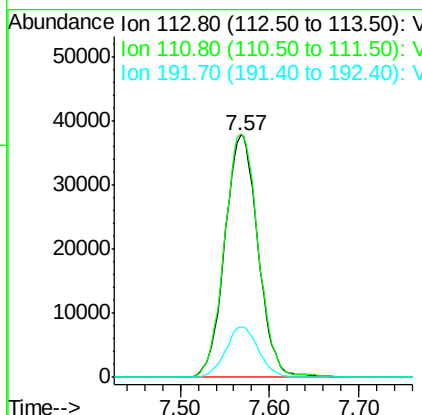
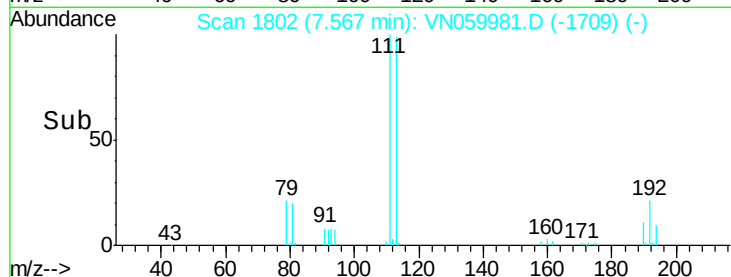
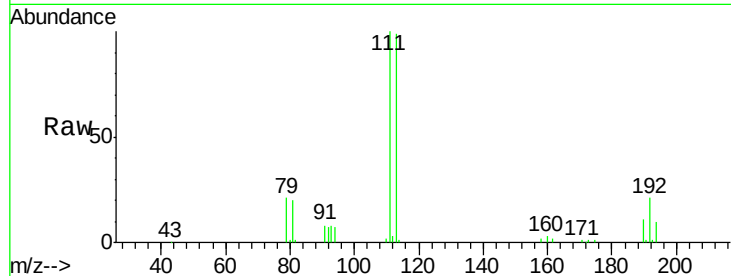
#35
 Dibromofluoromethane
 Concen: 50.560 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059981.D
 Acq: 3 Feb 2020 17:42

Instrument :
 MSVOA_N
 ClientSampleId :
 PD-4-(30-32)

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.5	125.3
192	20.6	15.4	23.2

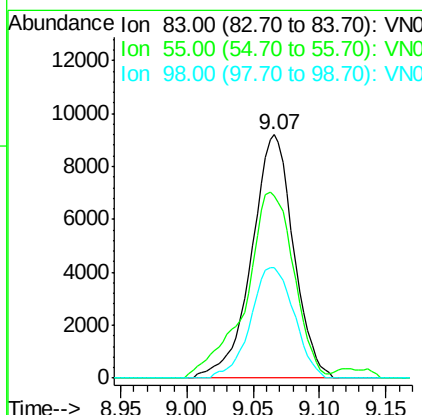
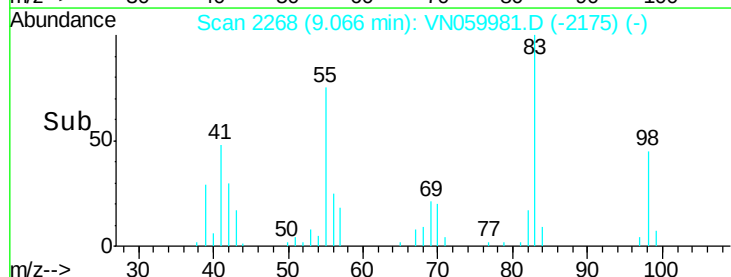
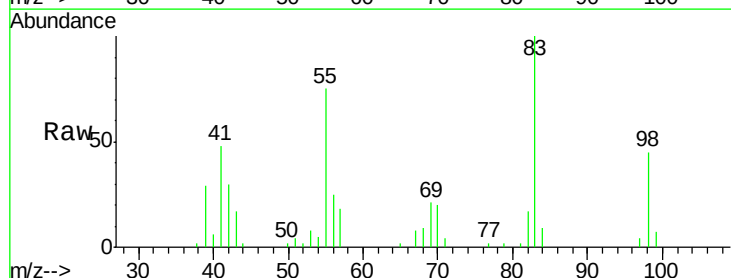
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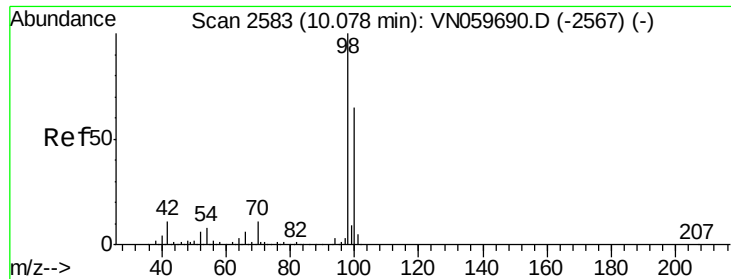
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 2/4/2020 11:20:41 AM



#39
 Methylcyclohexane
 Concen: 5.823 ug/l
 RT: 9.07 min Scan# 2268
 Delta R.T. 0.00 min
 Lab File: VN059981.D
 Acq: 3 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
83	100		
55	72.7	64.2	96.2
98	45.1	35.9	53.9





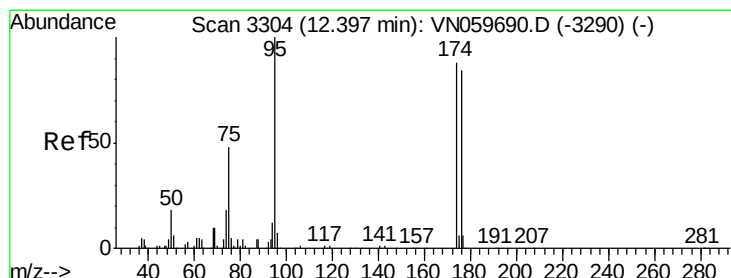
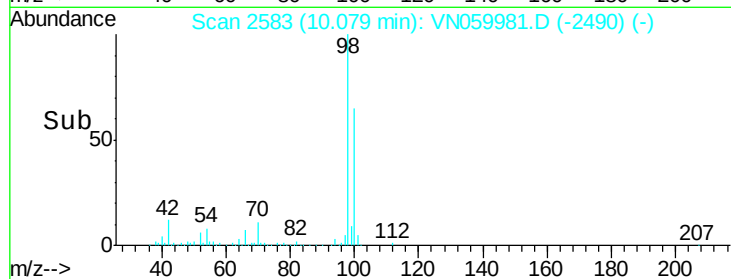
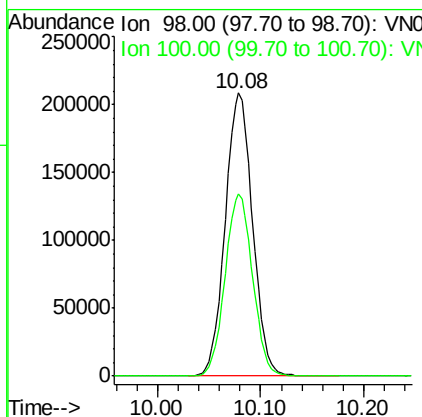
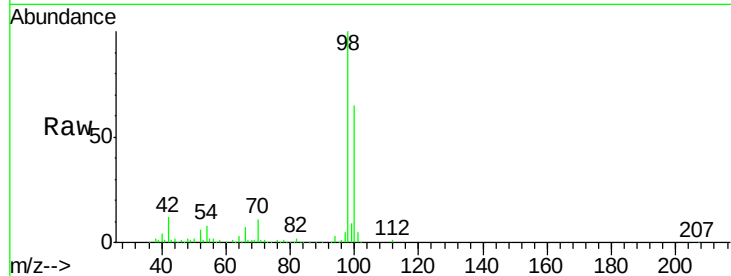
#50
Toluene-d8
Concen: 51.652 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059981.D
Acq: 3 Feb 2020 17:42

Instrument :
MSVOA_N
ClientSampled :
PD-4-(30-32)

Tot Ion: 98 Resp: 385567
Ion Ratio Lower Upper
98 100
100 64.8 51.2 76.8

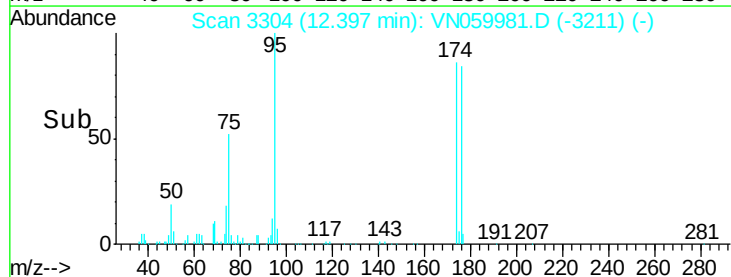
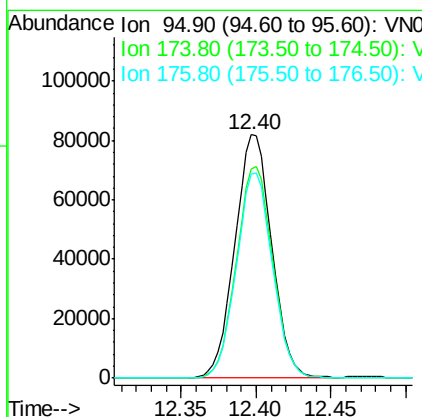
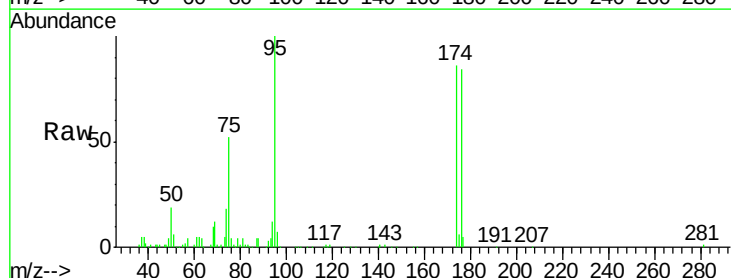
Manual Integrations
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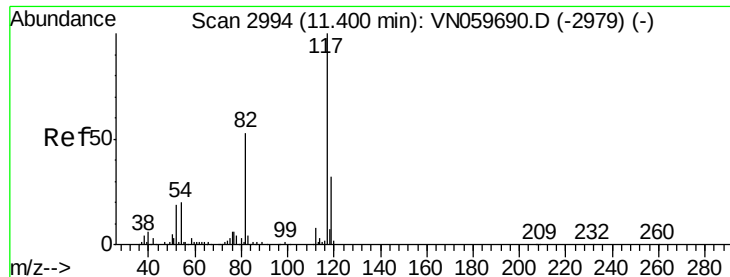
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#62
4-Bromofluorobenzene
Concen: 51.775 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN059981.D
Acq: 3 Feb 2020 17:42

Tgt Ion: 95 Resp: 139326
Ion Ratio Lower Upper
95 100
174 86.7 0.0 151.4
176 83.6 0.0 146.0





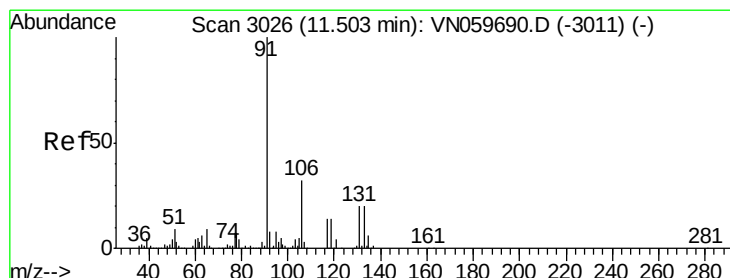
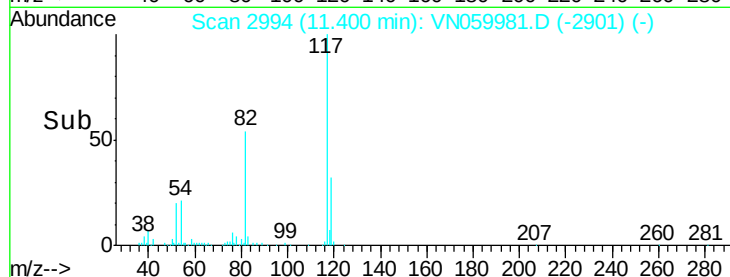
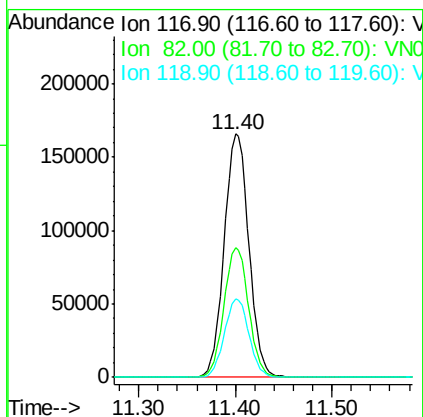
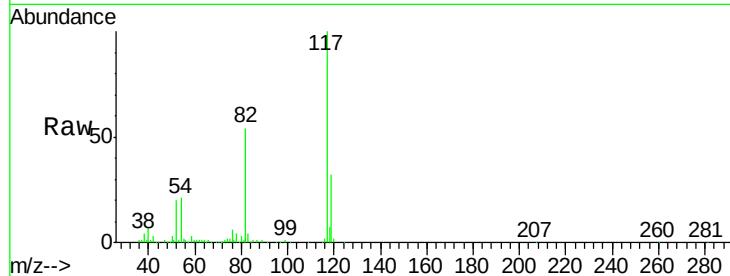
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059981.D
Acq: 3 Feb 2020 17:42

Instrument :
MSVOA_N
ClientSampleId :
PD-4-(30-32)

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	45.9	68.9
119	32.2	25.5	38.3

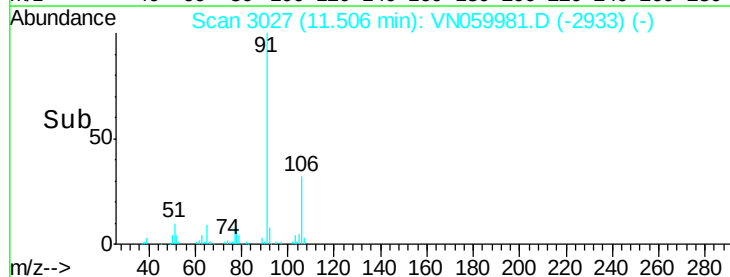
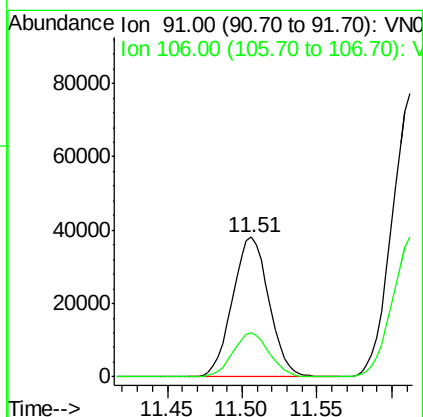
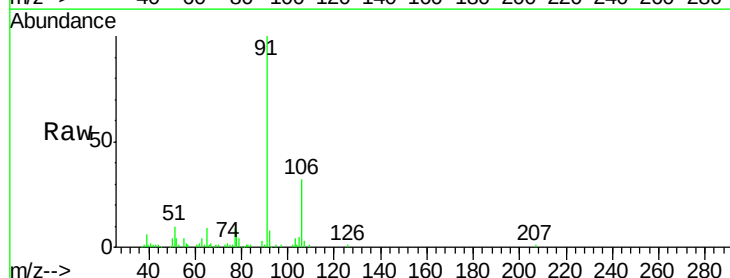
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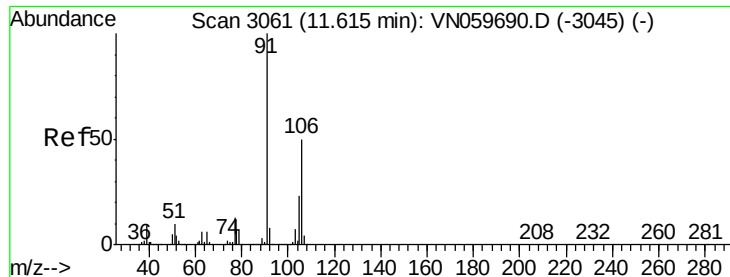
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#67
Ethyl Benzene
Concen: 6.194 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN059981.D
Acq: 3 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.9	24.1	36.1





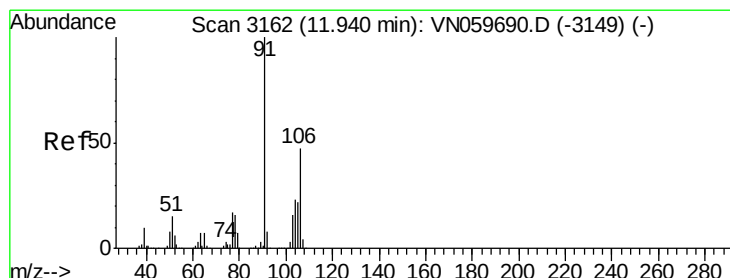
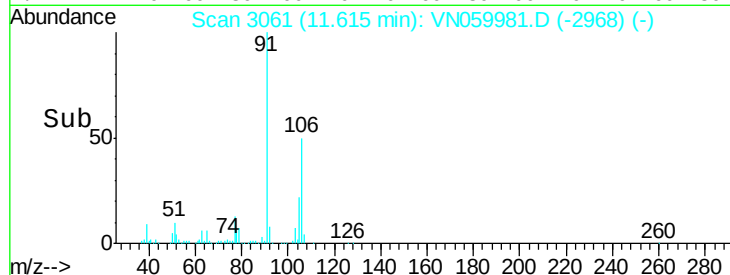
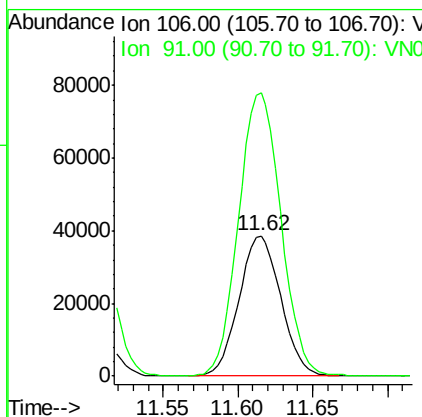
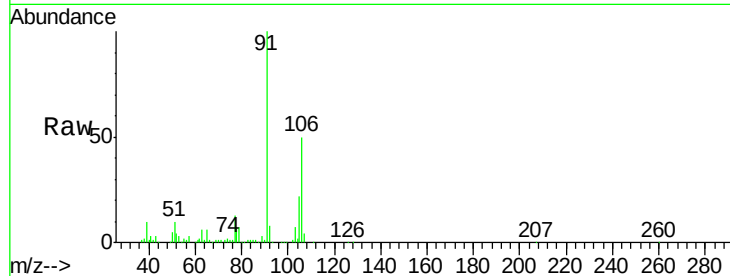
#68
m/p-Xylenes
Concen: 18.931 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN059981.D
Acq: 3 Feb 2020 17:42

Instrument :
MSVOA_N
ClientSampled :
PD-4-(30-32)

Tot Ion:106 Resp: 74992
Ion Ratio Lower Upper
106 100
91 205.1 167.9 251.9

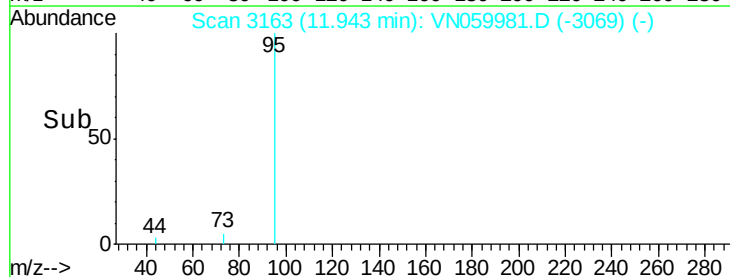
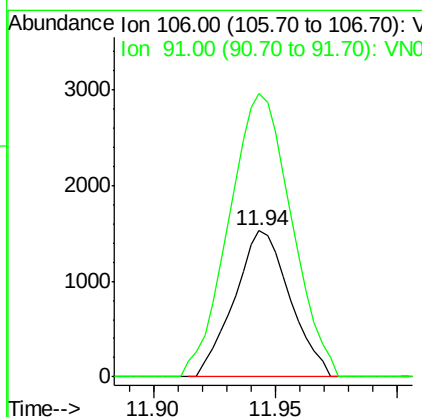
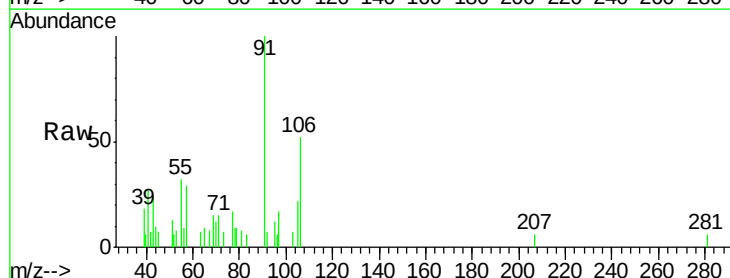
Manual Integrations
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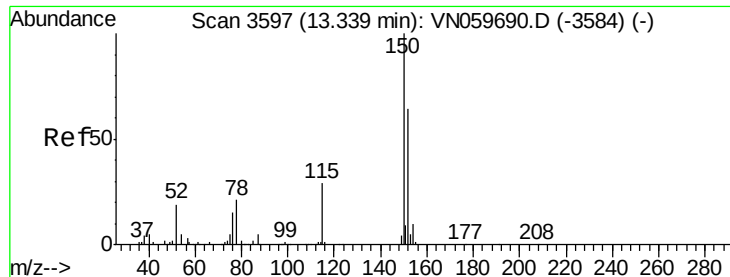
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#69
o-Xylene
Concen: 0.622 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059981.D
Acq: 3 Feb 2020 17:42

Tgt Ion:106 Resp: 2414
Ion Ratio Lower Upper
106 100
91 217.7 110.3 330.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN059981.D

Acq: 3 Feb 2020 17:42

Instrument :

MSVOA_N

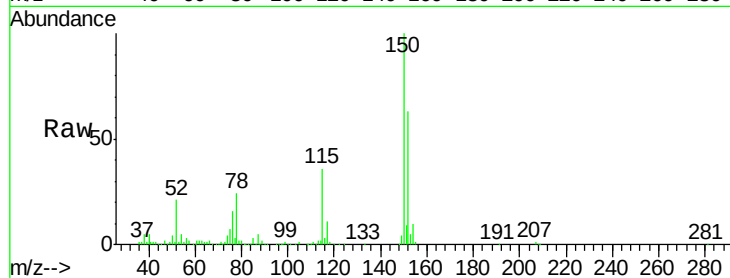
ClientSampled :

PD-4-(30-32)

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.1	30.3	90.9
150	156.6	0.0	345.2

Manual Integrations
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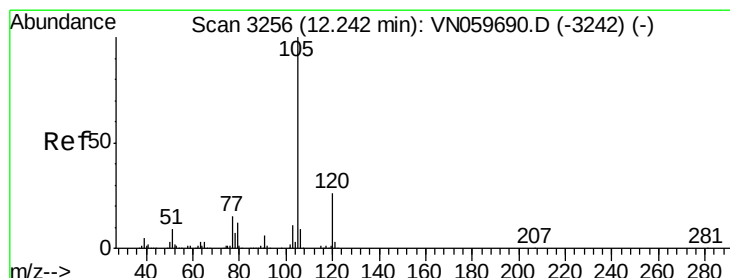
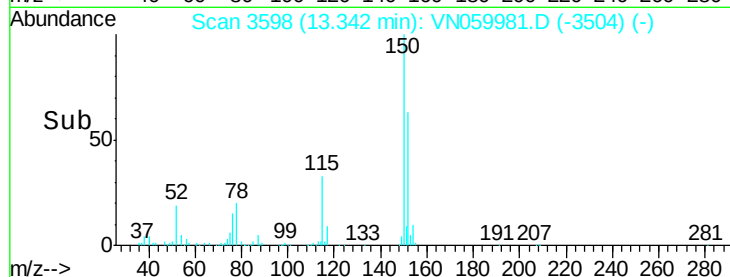
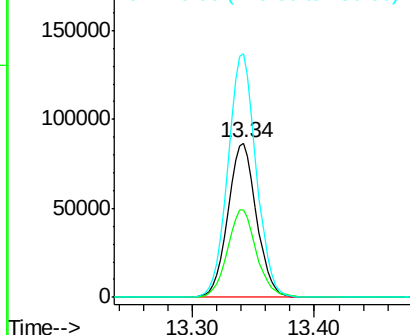
MMDadoda
2/4/2020 11:20:41 AM



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: 0.978 ug/l

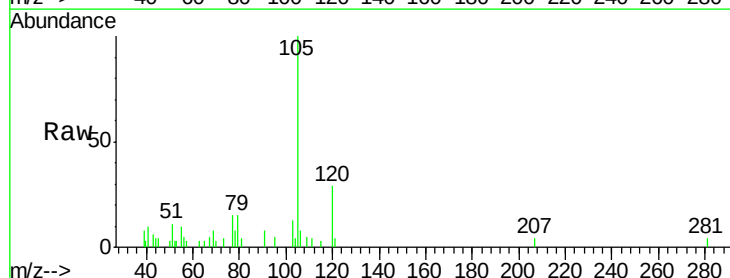
RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059981.D

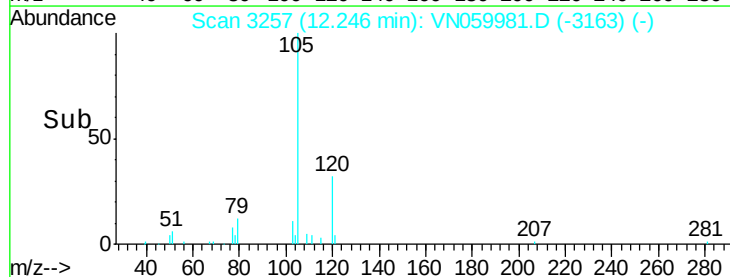
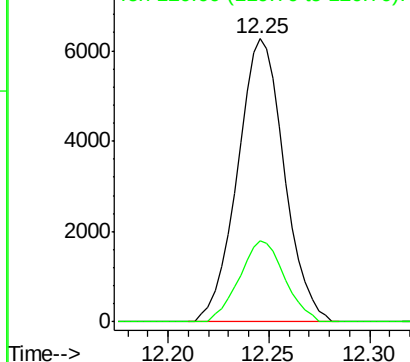
Acq: 3 Feb 2020 17:42

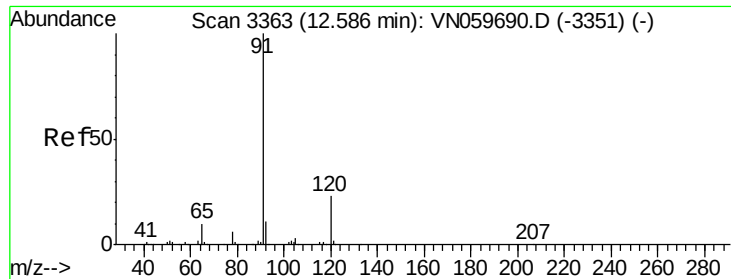
Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.8	13.2	39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 4.146 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN059981.D

Acq: 3 Feb 2020 17:42

Instrument :

MSVOA_N

ClientSampled :

PD-4-(30-32)

Tot Ion: 91 Resp: 48259

Ion Ratio Lower Upper

91 100

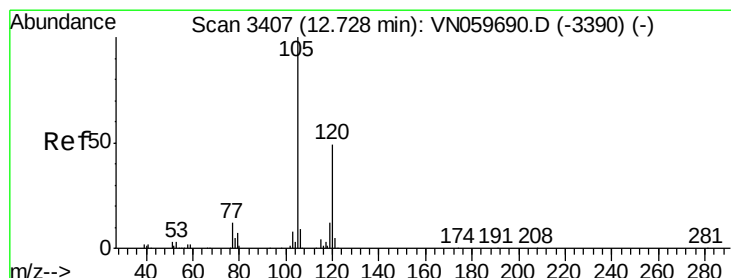
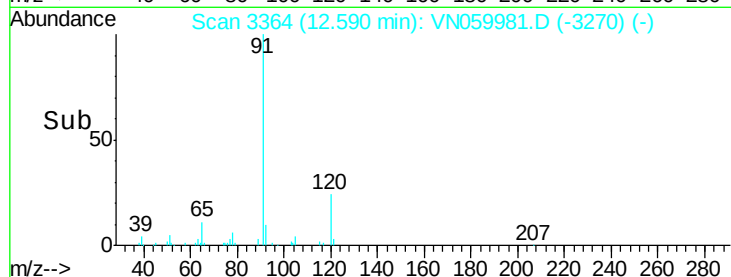
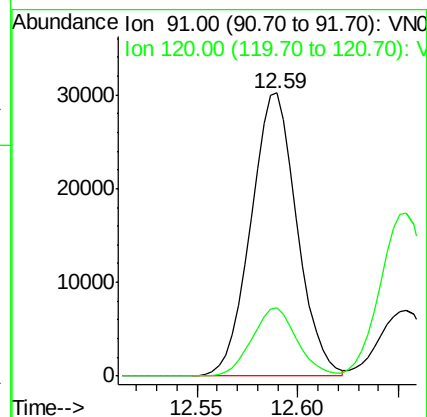
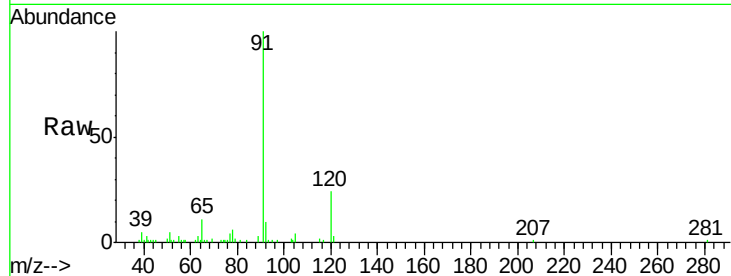
120 23.5 11.1 33.3

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#80

1,3,5-Trimethylbenzene

Concen: 6.745 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN059981.D

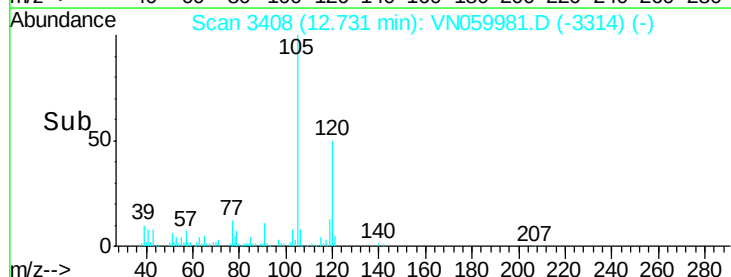
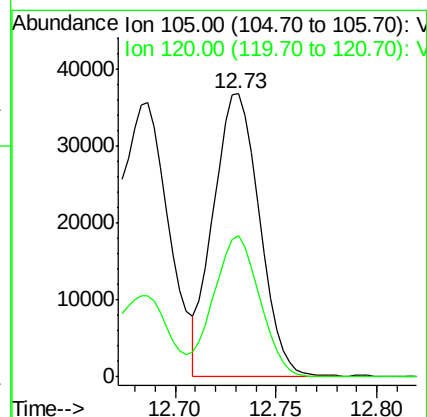
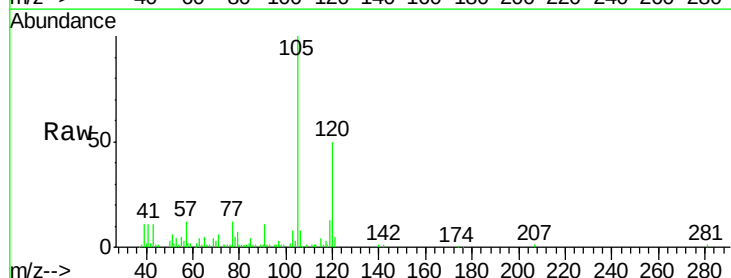
Acq: 3 Feb 2020 17:42

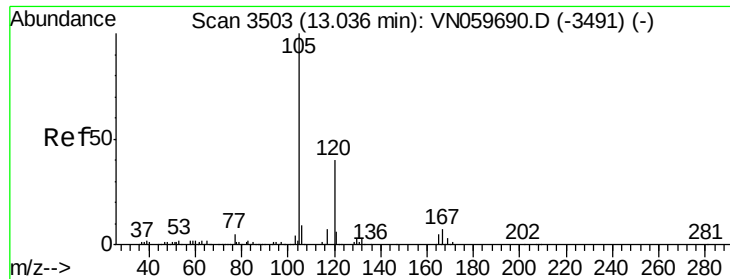
Tgt Ion: 105 Resp: 58828

Ion Ratio Lower Upper

105 100

120 50.2 24.1 72.4





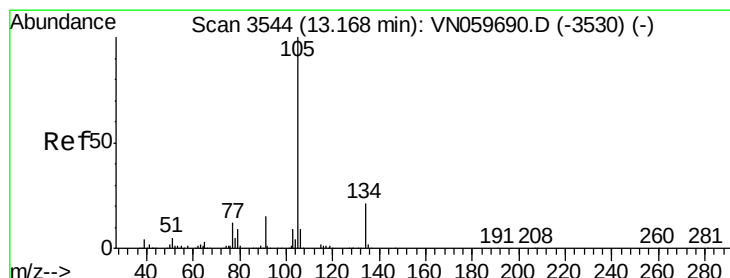
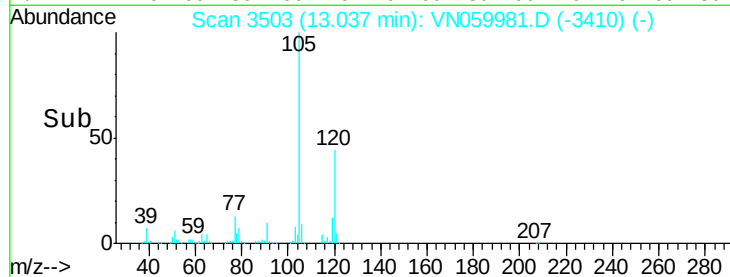
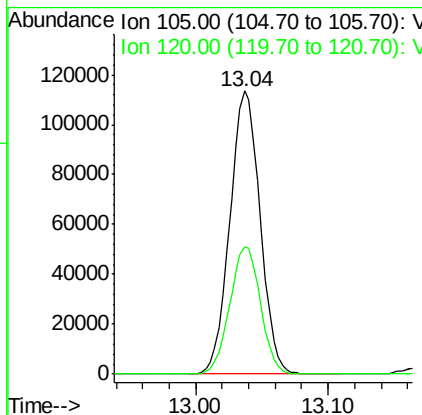
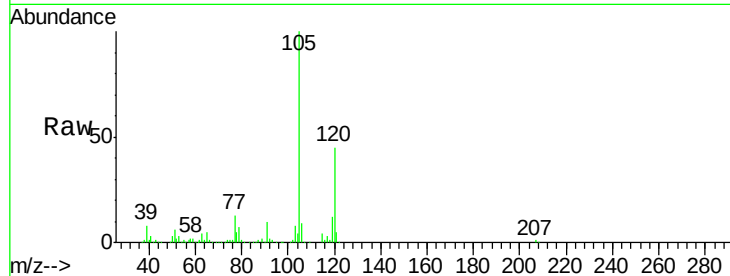
#84
 1,2,4-Trimethylbenzene
 Concen: 20.800 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN059981.D
 Acq: 3 Feb 2020 17:42

Instrument :
 MSVOA_N
 ClientSampleId :
 PD-4-(30-32)

Tot Ion:105 Resp: 179482
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.3 66.9

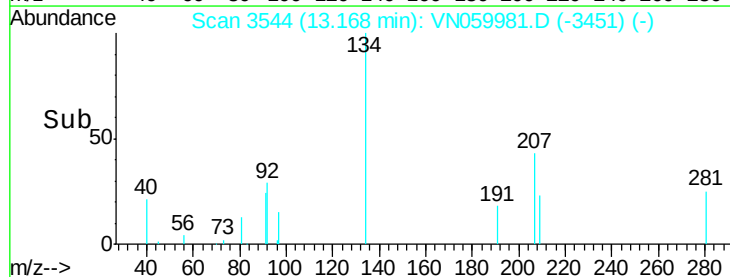
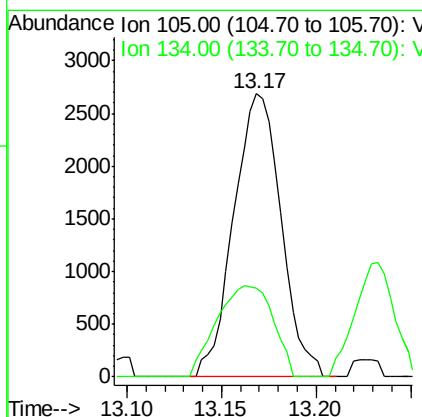
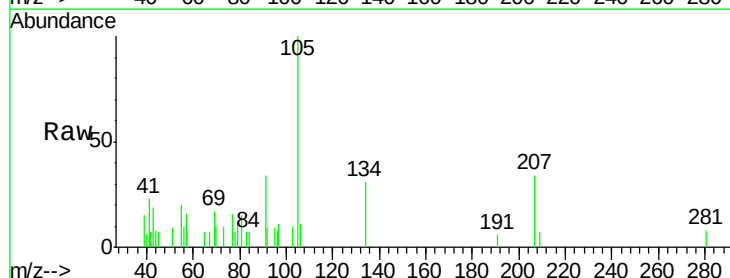
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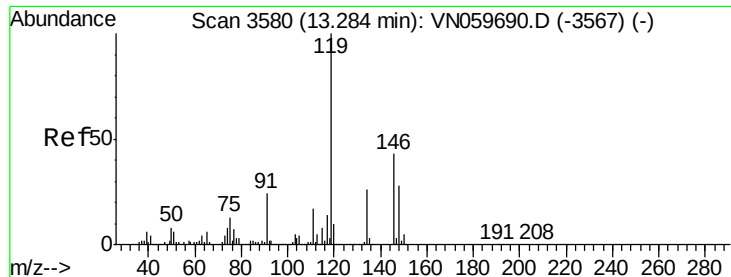
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#85
 sec-Butylbenzene
 Concen: 0.472 ug/l m
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN059981.D
 Acq: 3 Feb 2020 17:42

Tgt Ion:105 Resp: 4678
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.8 29.5#





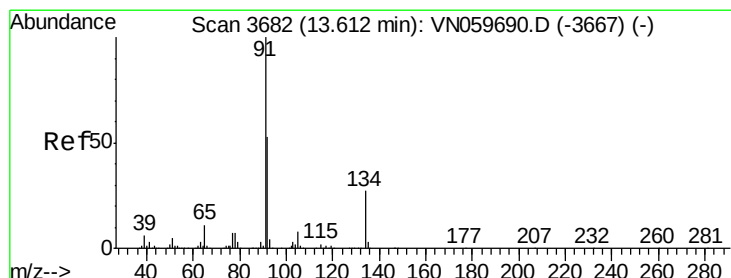
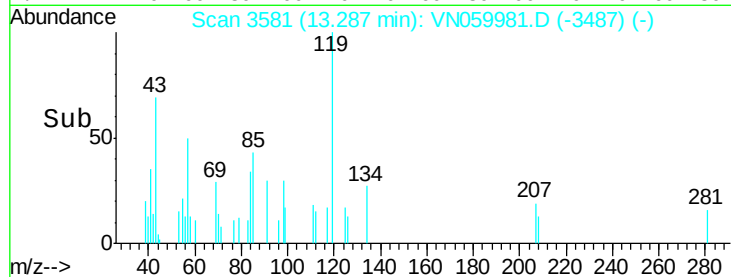
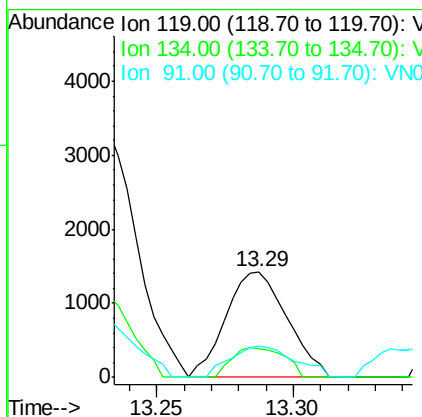
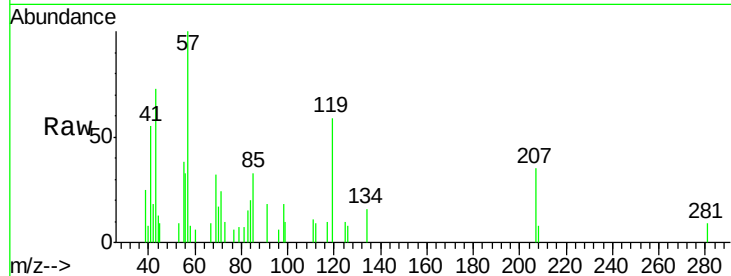
#86
 p-Isopropyltoluene
 Concen: 0.243 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN059981.D
 Acq: 3 Feb 2020 17:42

Instrument :
 MSVOA_N
 ClientSampled :
 PD-4-(30-32)

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.1	12.9	38.7
91	31.2	12.4	37.4

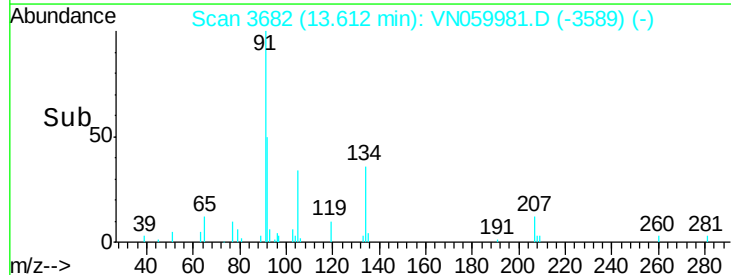
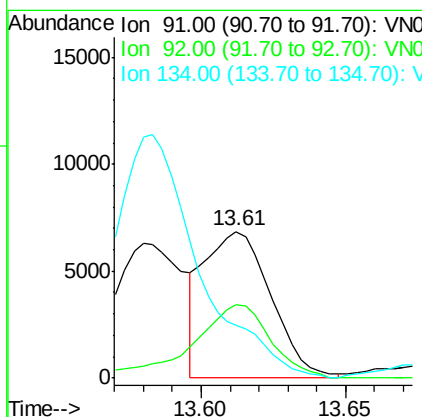
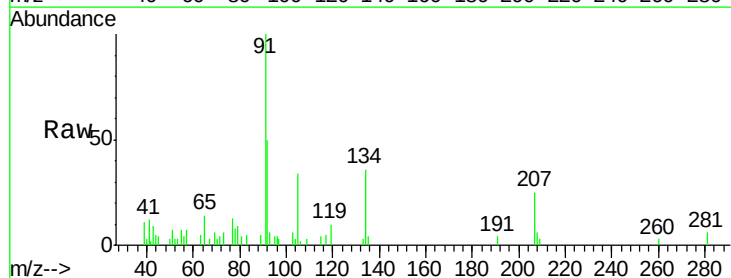
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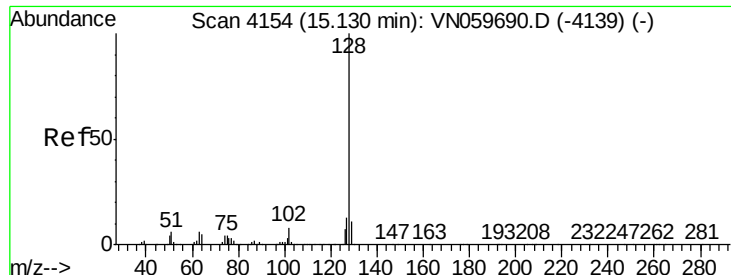
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#89
 n-Butylbenzene
 Concen: 1.410 ug/l m
 RT: 13.61 min Scan# 3682
 Delta R.T. 0.00 min
 Lab File: VN059981.D
 Acq: 3 Feb 2020 17:42

Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	25.9	77.7#
134	208.0	12.3	36.8#





#95
Naphthalene
Concen: 5.632 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059981.D
Acq: 3 Feb 2020 17:42

Instrument :
MSVOA_N
ClientSampleId :
PD-4-(30-32)

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.4	15.6
129	12.2	8.6	12.8

Manual Integrations
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