

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012819\
 Data File : VN053537.D
 Acq On : 28 Jan 2019 11:27
 Operator : JC/SP
 Sample : K1256-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 30093

Manual Integrations
 APPROVED

MMDadoda
 1/29/2019 9:52:24 AM

Quant Time: Jan 29 07:05:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	823991	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1312167	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1206301	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	556110	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	431019	52.92	ug/l	0.00
Spiked Amount			Recovery	=	105.84%	
35) Dibromofluoromethane	7.59	113	415328	55.46	ug/l	0.00
Spiked Amount			Recovery	=	110.92%	
50) Toluene-d8	10.09	98	1591507	50.25	ug/l	0.00
Spiked Amount			Recovery	=	100.50%	
62) 4-Bromofluorobenzene	12.40	95	552184	49.72	ug/l	0.00
Spiked Amount			Recovery	=	99.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	21544	11.275	ug/l	96
20) Methylene Chloride	4.55	84	9196	1.054	ug/l #	92
25) 2-Butanone	6.84	43	20001	6.792	ug/l	99
40) Benzene	8.04	78	37923	1.044	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	70967	10.516	ug/l	100
52) Toluene	10.16	92	131540	5.835	ug/l	99
68) m/p-Xylenes	11.62	106	147257	8.963	ug/l	100
69) o-Xylene	11.95	106	184742	11.572	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	203383	6.138	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	230566	6.901	ug/l	99
86) p-Isopropyltoluene	13.29	119	52516	1.507	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	86947	4.592	ug/l	96

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

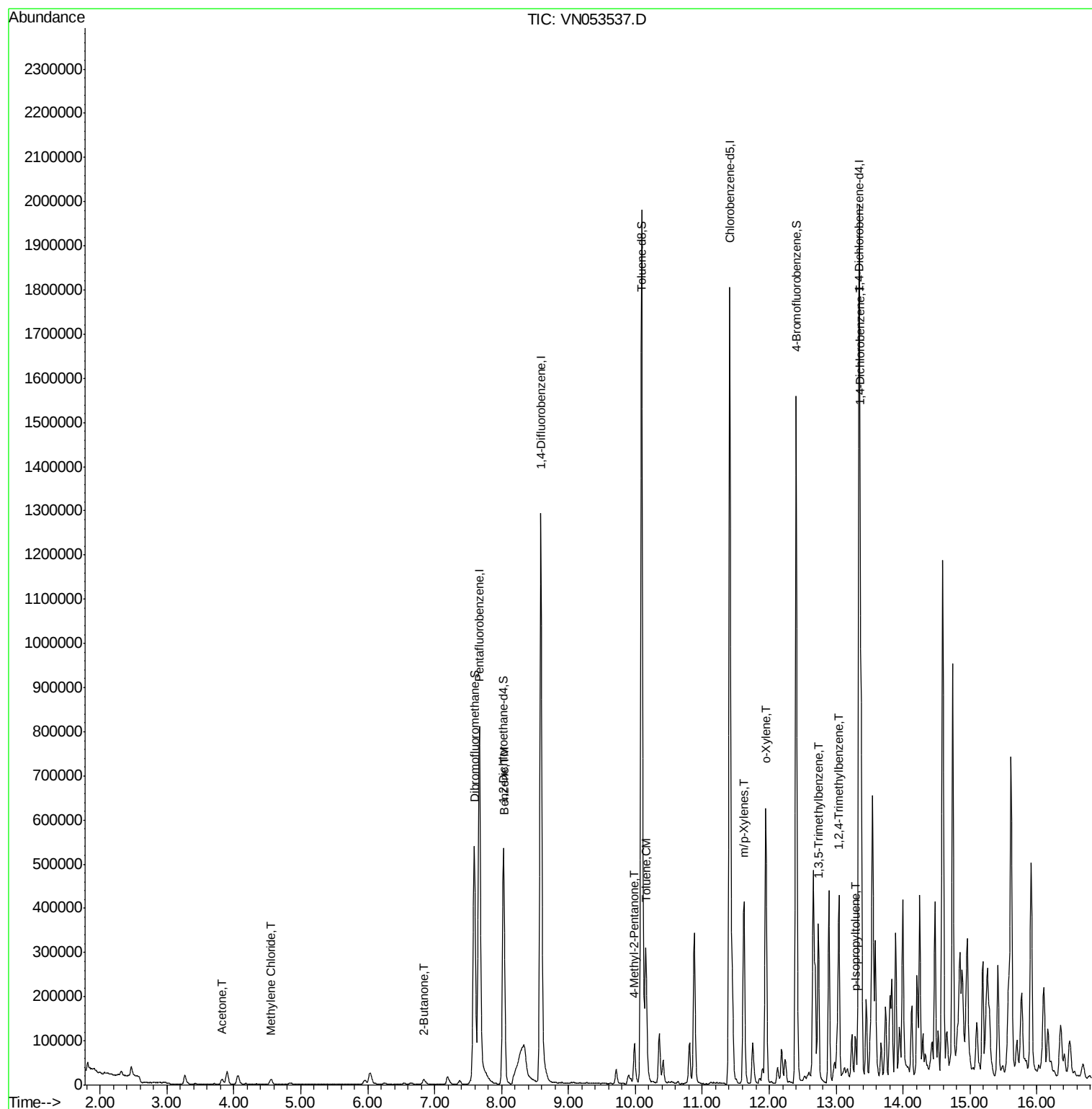
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN012819\
Data File : VN053537.D
Acq On : 28 Jan 2019 11:27
Operator : JC/SP
Sample : K1256-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 28

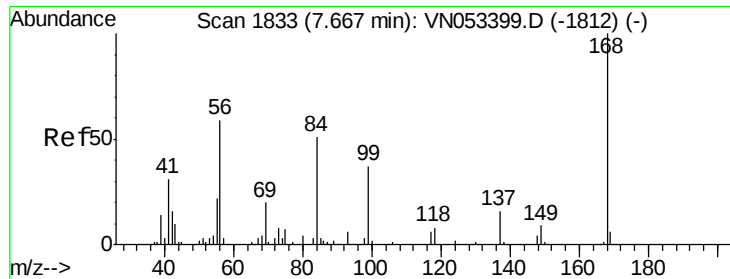
Instrument :
MSVOA_N
ClientSampled :
30093

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Quant Time: Jan 29 07:05:21 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 03:10:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053537.D

Acq: 28 Jan 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

30093

Tot Ion:168 Resp: 823991

Ion Ratio Lower Upper

168 100

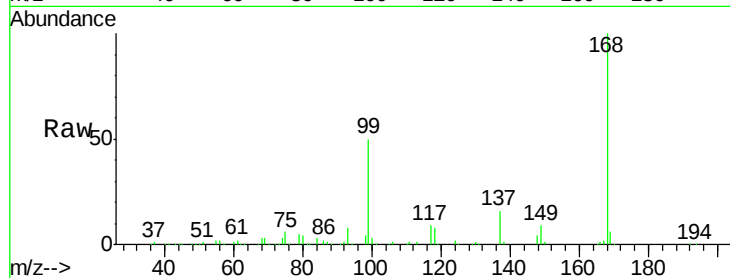
99 49.6 39.1 58.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

300000

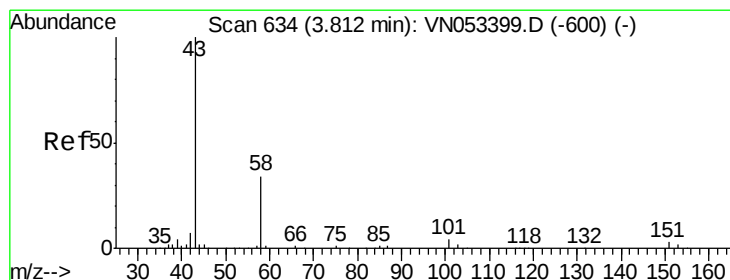
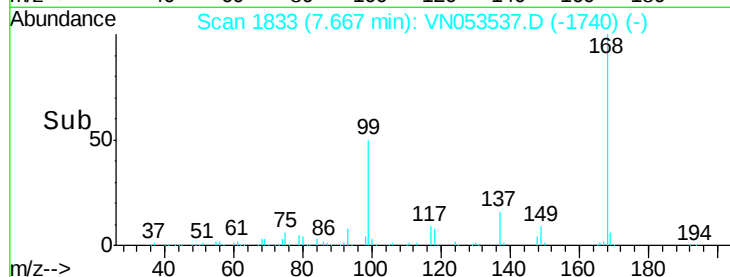
200000

100000

0

7.60 7.80

Time-->



#16

Acetone

Concen: 11.275 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN053537.D

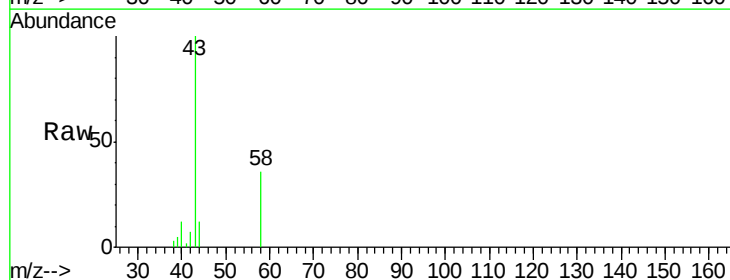
Acq: 28 Jan 2019 11:27

Tgt Ion: 43 Resp: 21544

Ion Ratio Lower Upper

43 100

58 35.9 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.82

8000

6000

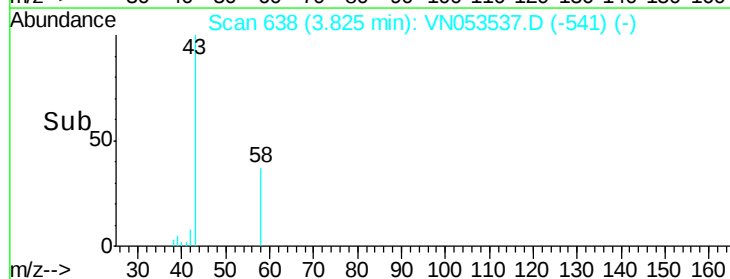
4000

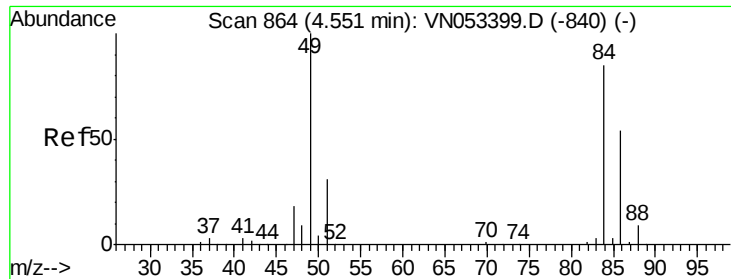
2000

0

3.75 3.80 3.85 3.90

Time-->





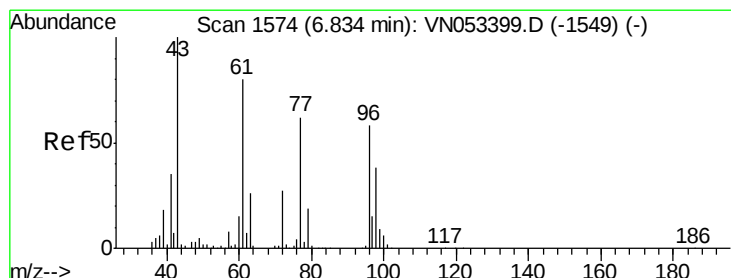
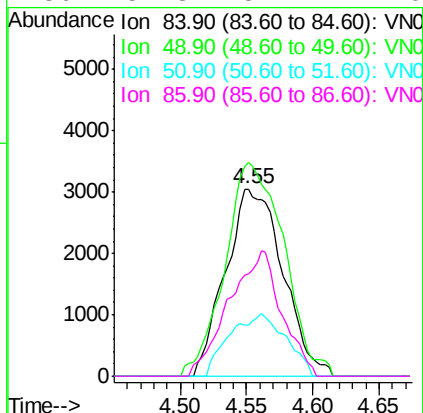
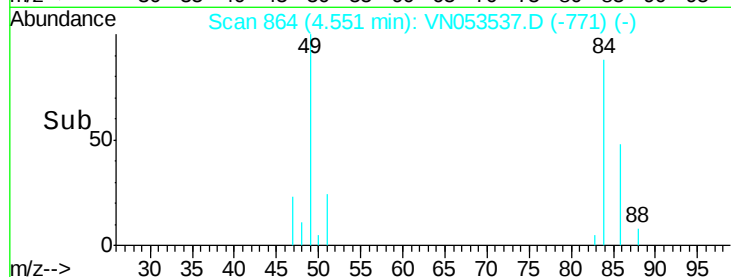
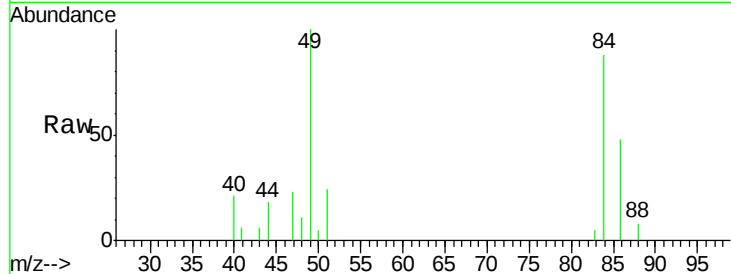
#20
Methvlene Chloride
Concen: 1.054 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN053537.D
Acq: 28 Jan 2019 11:27

Instrument :
MSVOA_N
ClientSampled :
30093

Tot Ion	84	Resp	9196
Ion	Ratio	Lower	Upper
84	100		
49	114.1	94.3	141.5
51	27.5	29.4	44.2#
86	54.8	51.4	77.0

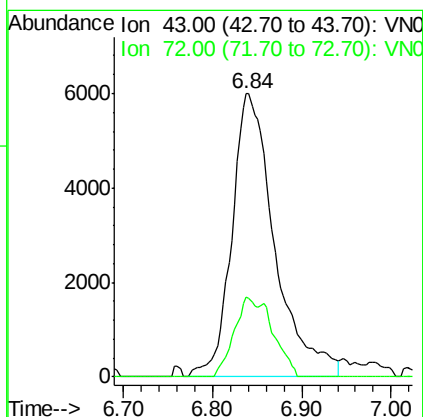
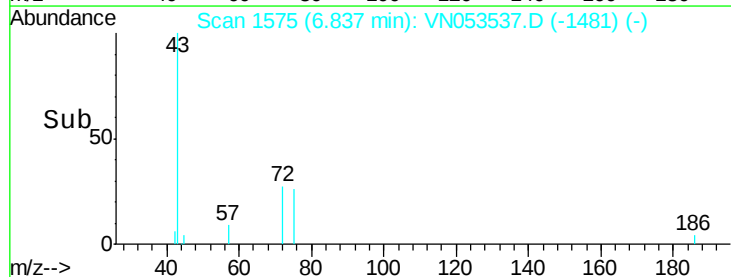
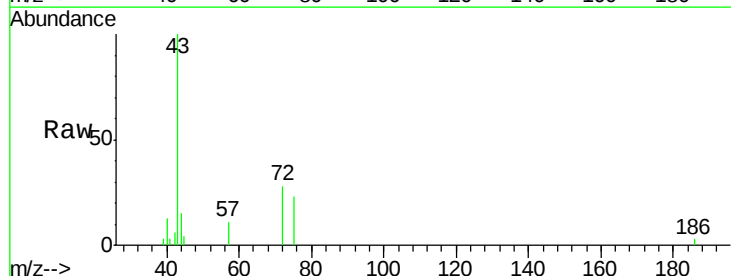
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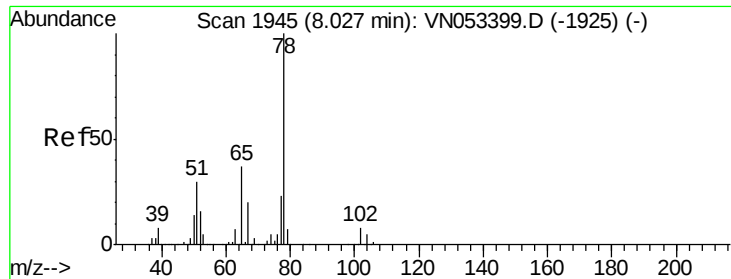
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#25
2-Butanone
Concen: 6.792 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN053537.D
Acq: 28 Jan 2019 11:27

Tgt Ion	43	Resp	20001
Ion	Ratio	Lower	Upper
43	100		
72	28.2	22.0	33.0





#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053537.D

Acq: 28 Jan 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

30093

Tot Ion: 65 Resp: 431019

Ion Ratio Lower Upper

65 100

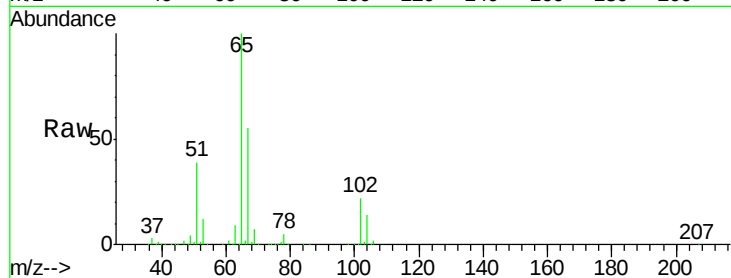
67 54.7 0.0 111.2

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VN053399.D (-1925) (-)

Ion 66.90 (66.60 to 67.60): VN053399.D (-1925) (-)

8.03

200000

150000

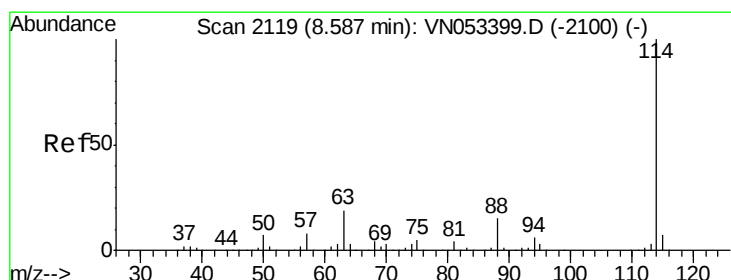
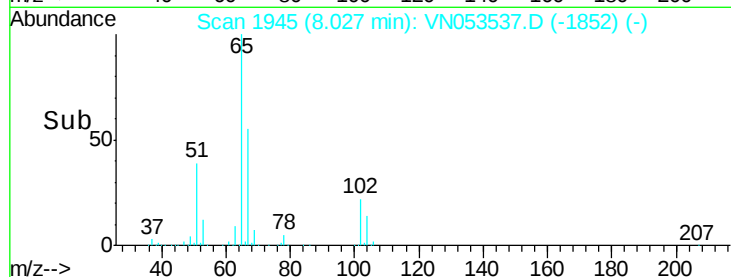
100000

50000

0

7.90 8.00 8.10 8.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053537.D

Acq: 28 Jan 2019 11:27

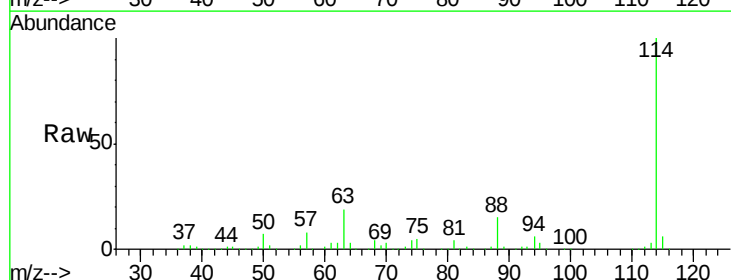
Tgt Ion: 114 Resp: 1312167

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.6

88 15.3 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): VN053399.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN053399.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN053399.D (-2100) (-)

8.59

800000

600000

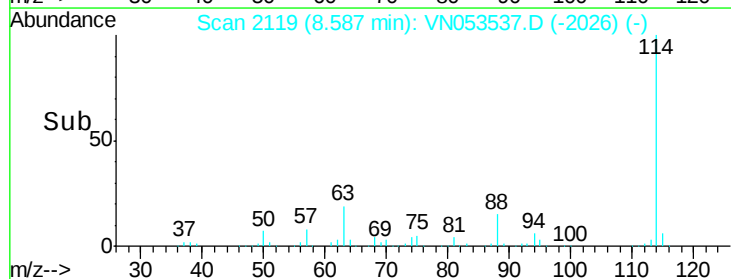
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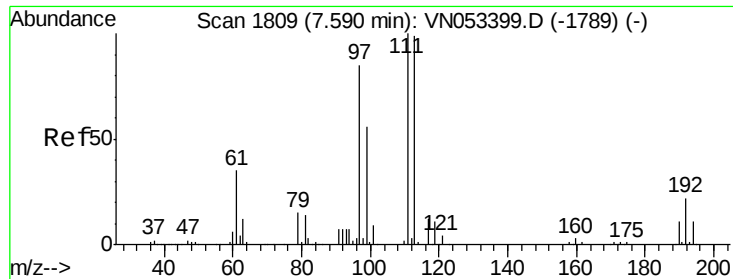
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0

8.50 8.60 8.70 8.80

Time-->





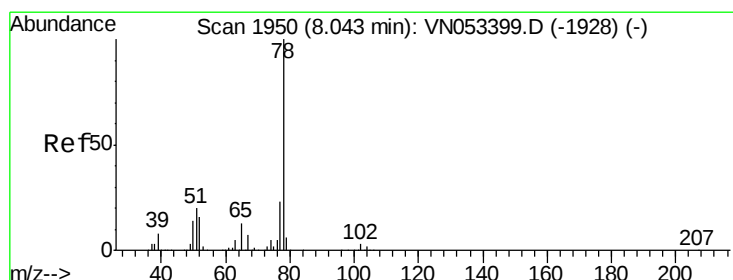
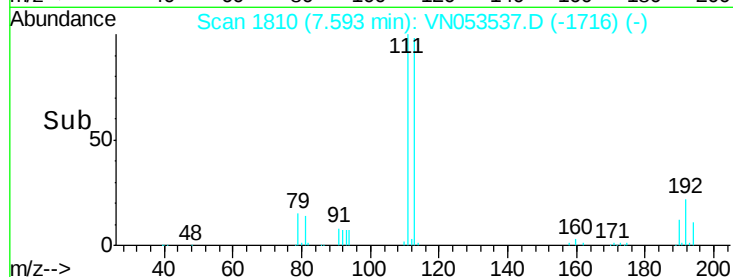
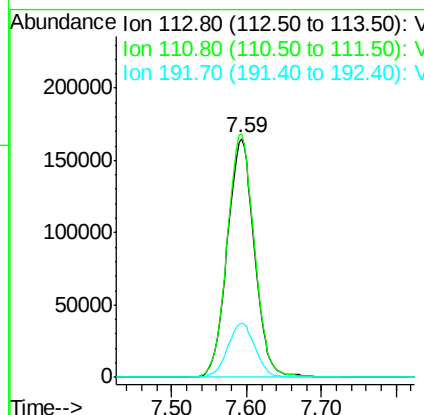
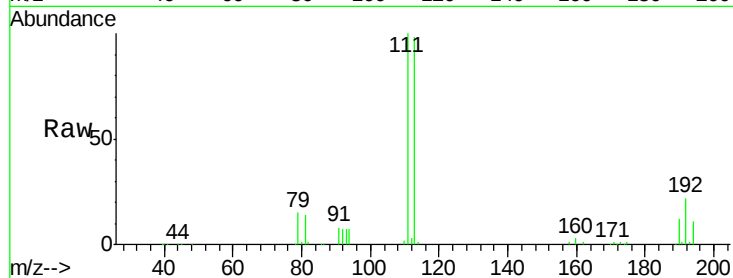
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN053537.D
Acq: 28 Jan 2019 11:27

Instrument :
MSVOA_N
ClientSampleId :
30093

Tot Ion	Ratio	Resp	Lower	Upper
113	100	415328		
111	102.5	81.1	121.7	
192	23.0	18.2	27.2	

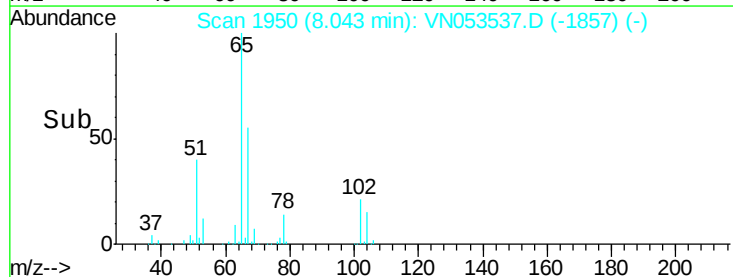
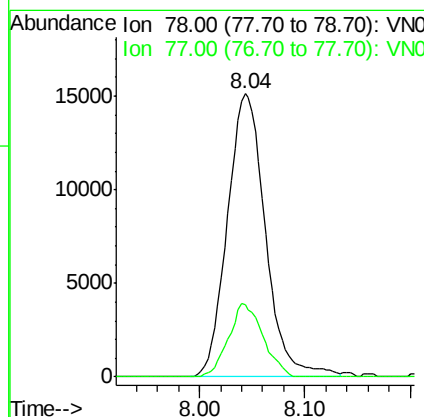
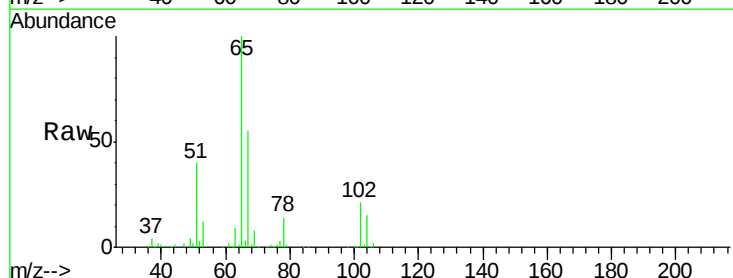
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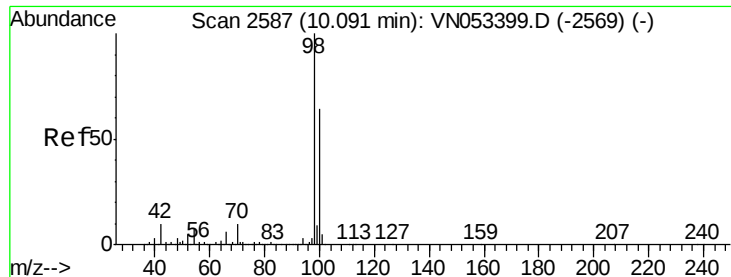
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#40
Benzene
Concen: 1.044 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053537.D
Acq: 28 Jan 2019 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	37923		
77	25.3	18.8	28.2	





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053537.D

Acq: 28 Jan 2019 11:27

Instrument :

MSVOA_N

ClientSampled :

30093

Tot Ion: 98 Resp: 1591507

Ion Ratio Lower Upper

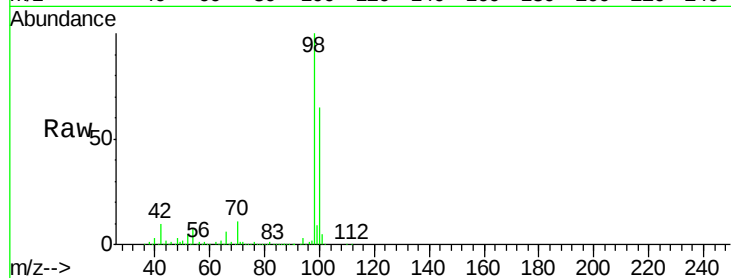
98 100

100 64.2 51.4 77.0

Manual Integrations
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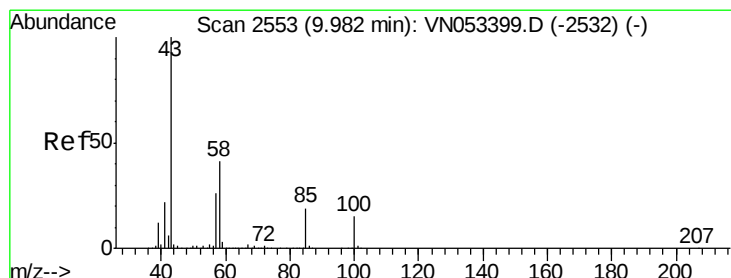
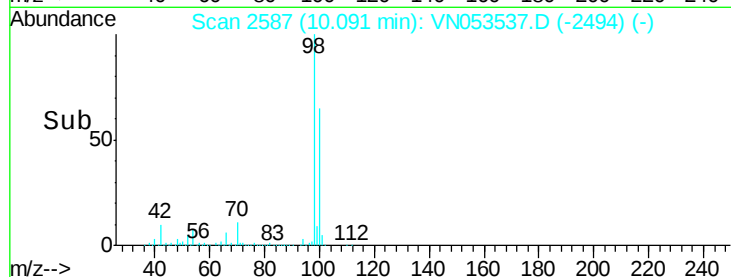
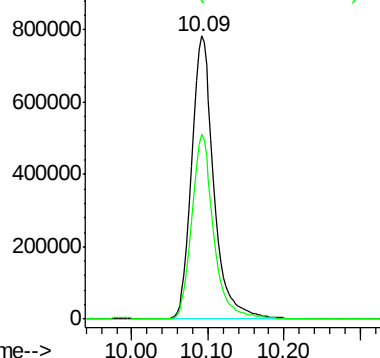
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Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#51

4-Methyl-2-Pentanone

Concen: 10.516 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053537.D

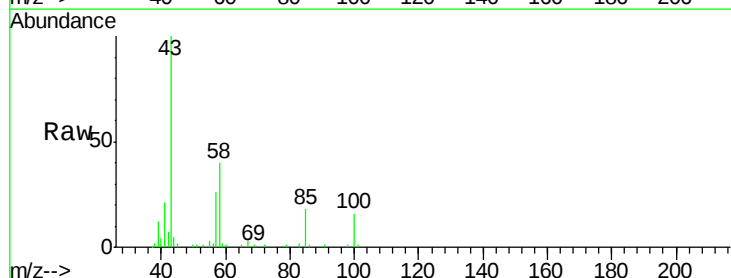
Acq: 28 Jan 2019 11:27

Tgt Ion: 43 Resp: 70967

Ion Ratio Lower Upper

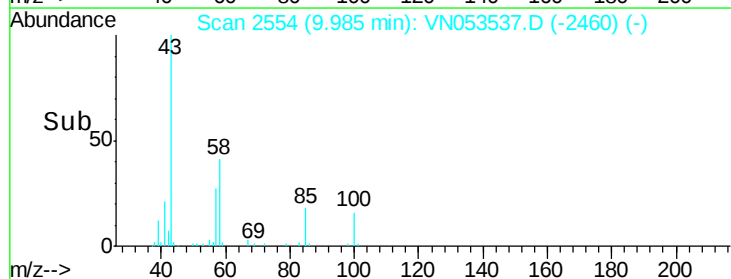
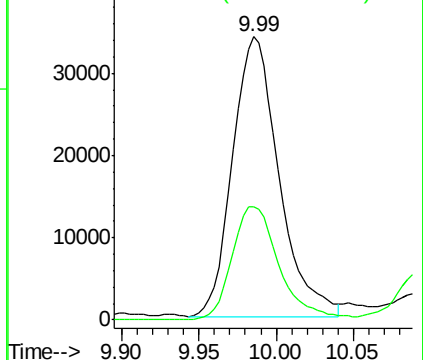
43 100

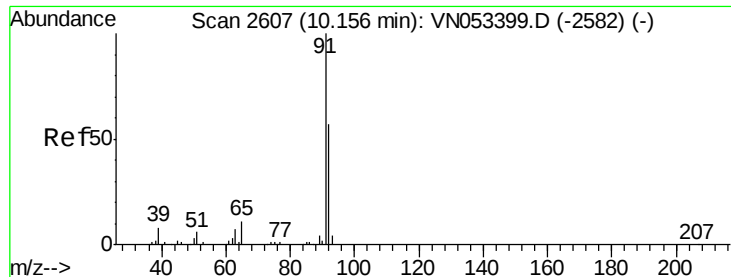
58 41.2 32.8 49.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#52

Toluene

Concen: 5.835 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053537.D

Acq: 28 Jan 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

30093

Tot Ion: 92 Resp: 131540

Ion Ratio Lower Upper

92 100

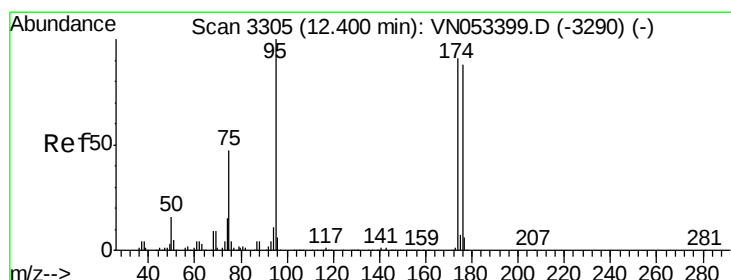
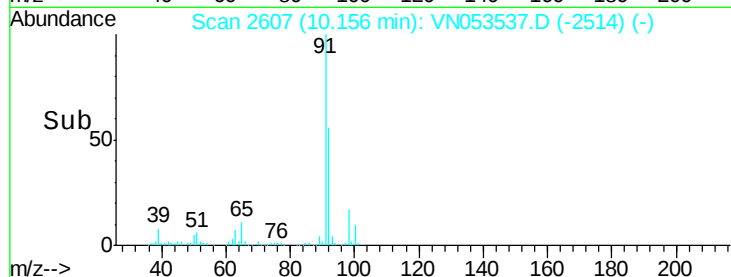
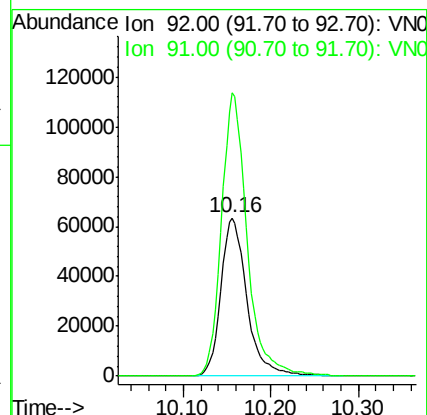
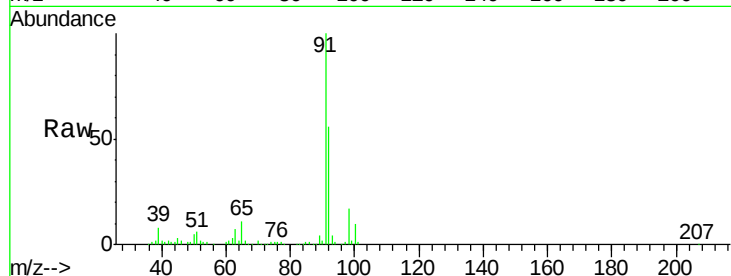
91 176.0 139.9 209.9

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053537.D

Acq: 28 Jan 2019 11:27

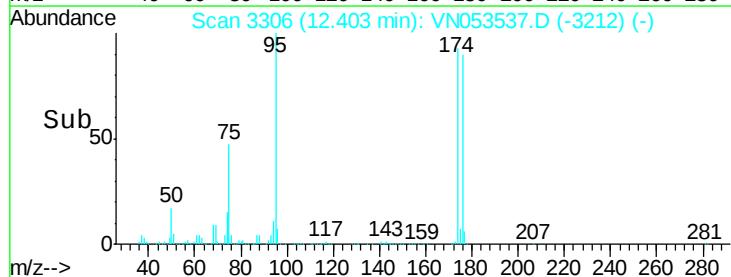
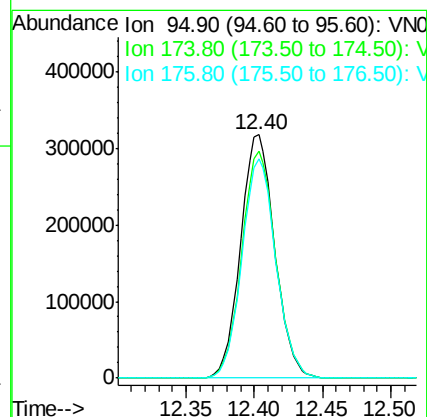
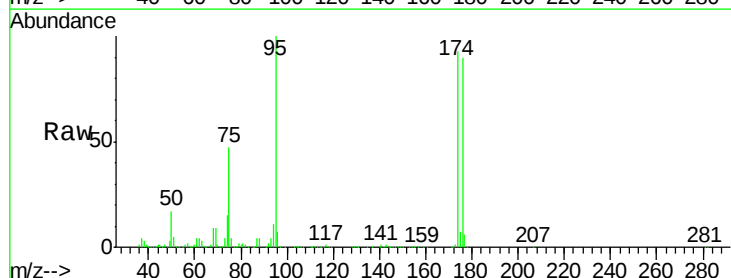
Tgt Ion: 95 Resp: 552184

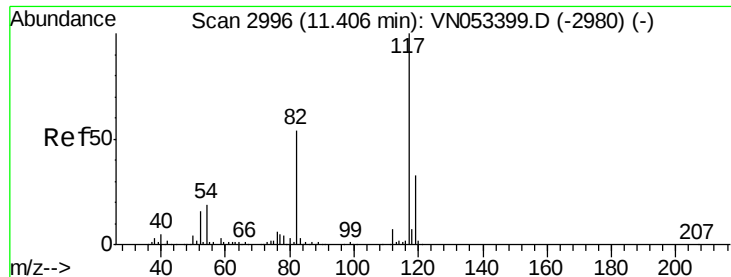
Ion Ratio Lower Upper

95 100

174 92.6 0.0 183.2

176 89.6 0.0 177.4





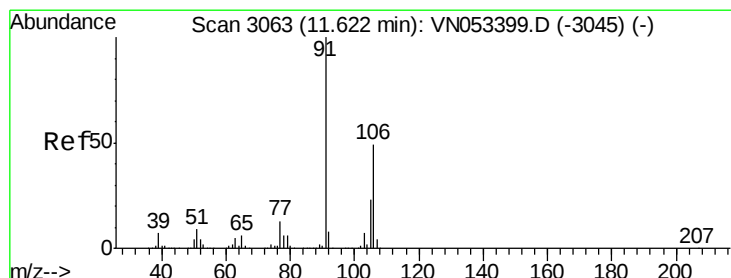
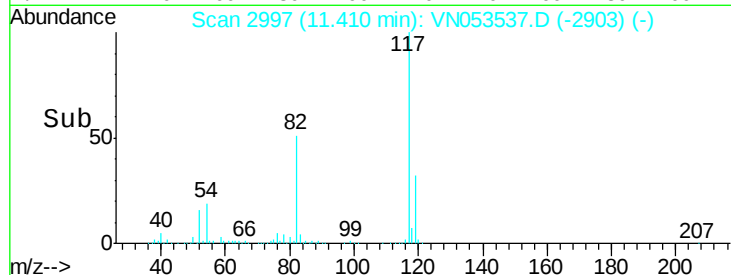
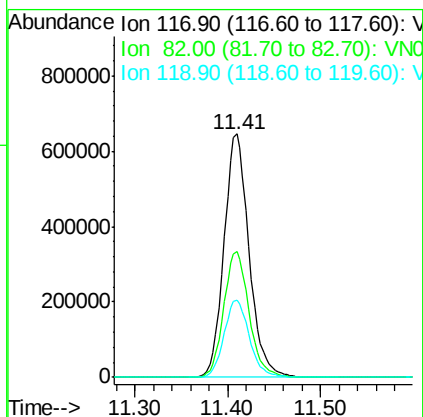
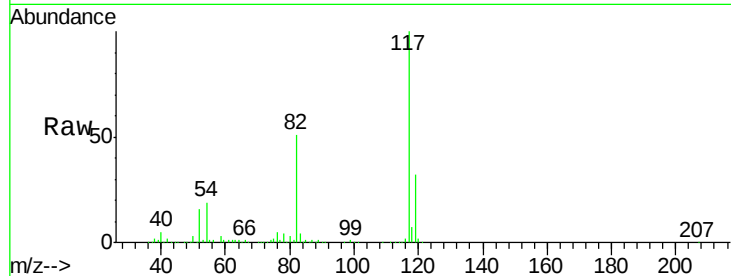
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053537.D
Acq: 28 Jan 2019 11:27

Instrument :
MSVOA_N
ClientSampled :
30093

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.4	42.9	64.3
119	31.9	26.0	39.0

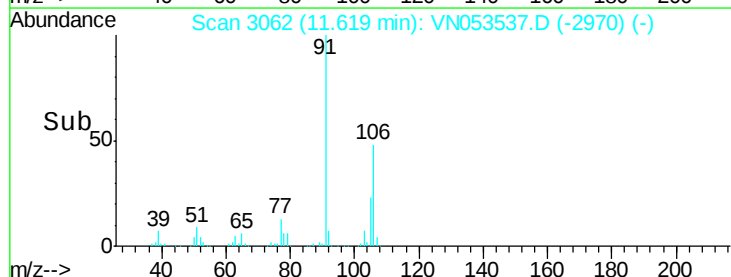
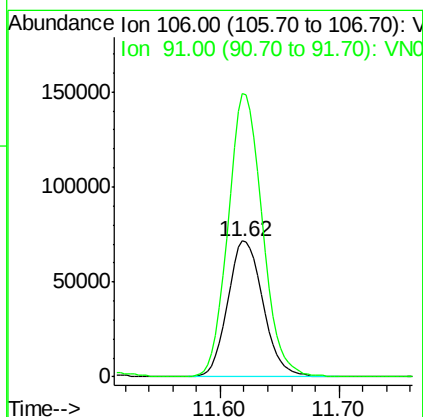
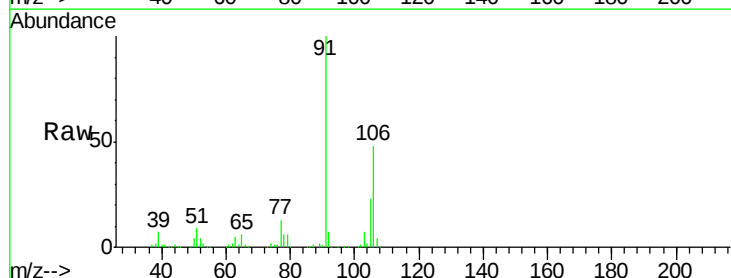
Manual Integrations
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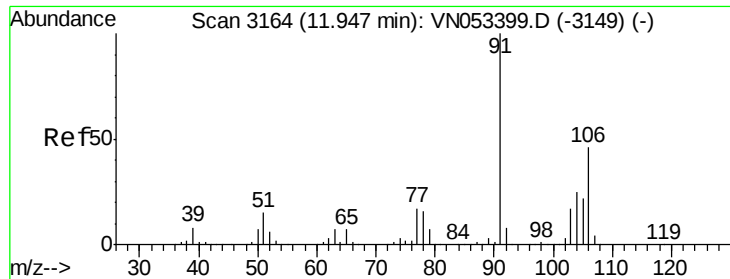
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#68
m/p-Xylenes
Concen: 8.963 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053537.D
Acq: 28 Jan 2019 11:27

Tgt Ion	Ratio	Lower	Upper
106	100		
91	202.4	161.4	242.2





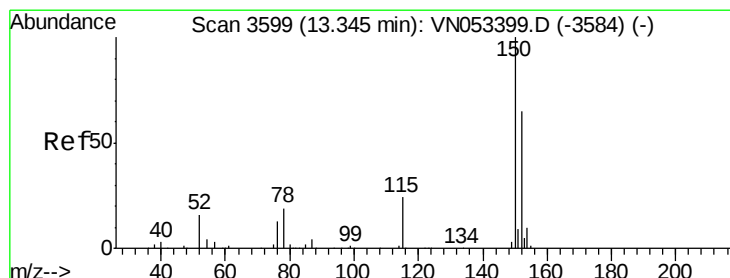
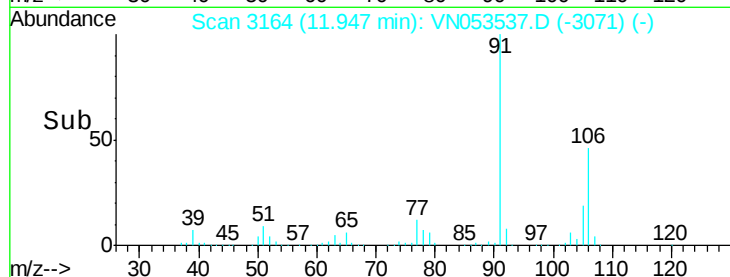
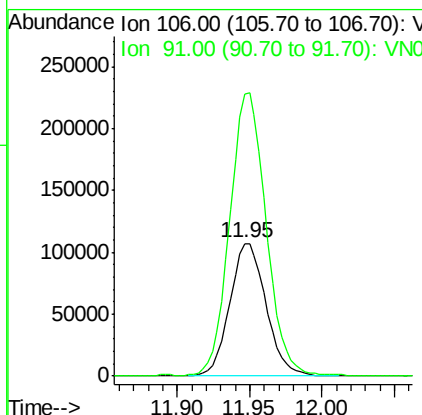
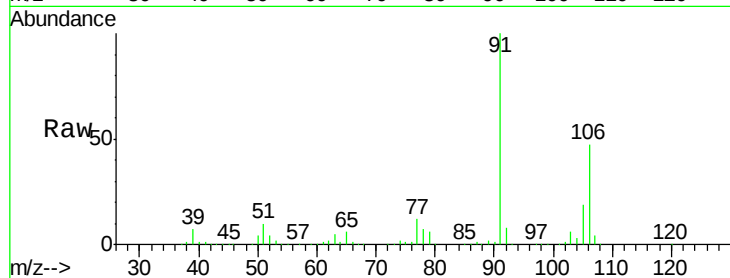
#69
o-Xylene
Concen: 11.572 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053537.D
Acq: 28 Jan 2019 11:27

Instrument :
MSVOA_N
ClientSampled :
30093

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.3	106.9	320.8

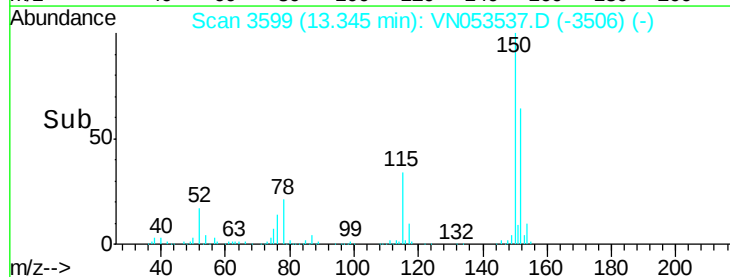
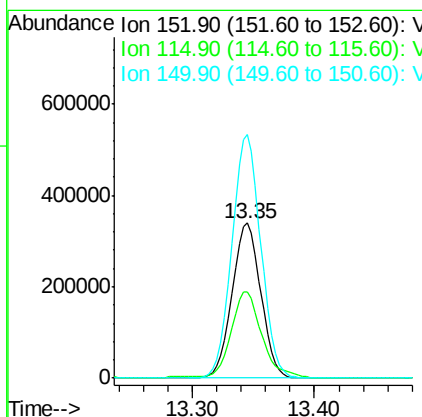
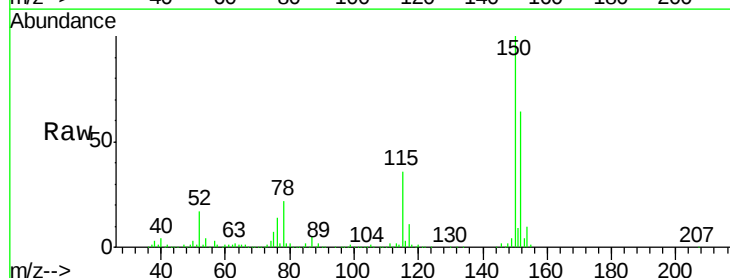
Manual Integrations
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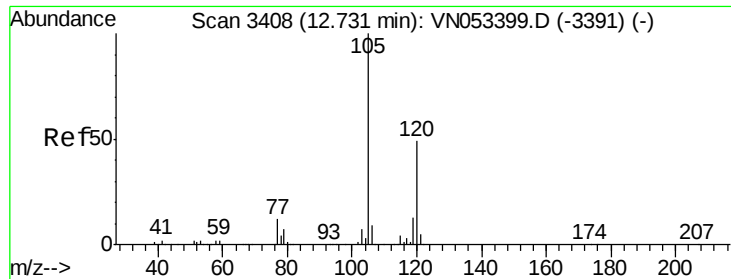
MMDadoda
1/29/2019 9:52:24 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053537.D
Acq: 28 Jan 2019 11:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.2	27.8	83.4
150	157.6	0.0	349.0





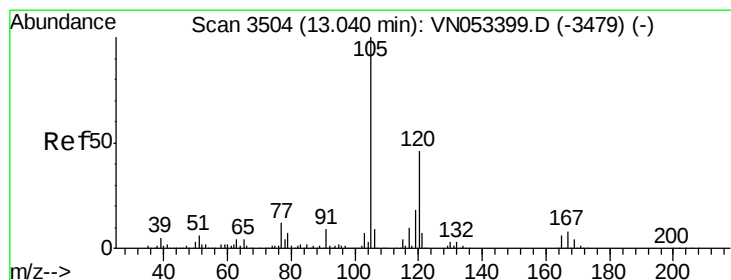
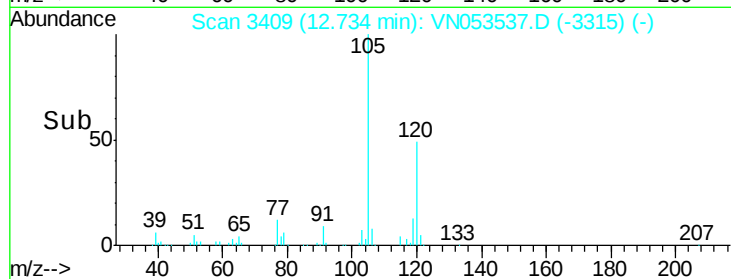
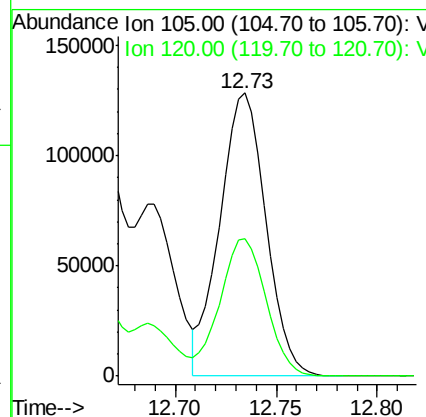
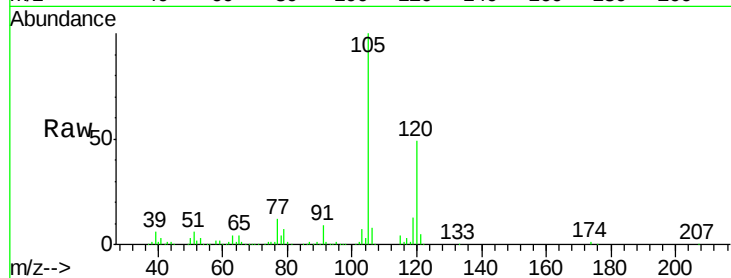
#80
 1,3,5-Trimethylbenzene
 Concen: 6.138 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN053537.D
 Acq: 28 Jan 2019 11:27

Instrument :
 MSVOA_N
 ClientSampled :
 30093

Tot Ion	Ratio	Lower	Upper
105	100		
120	48.9	24.9	74.6

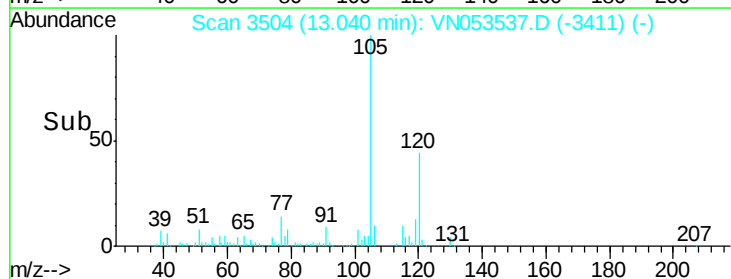
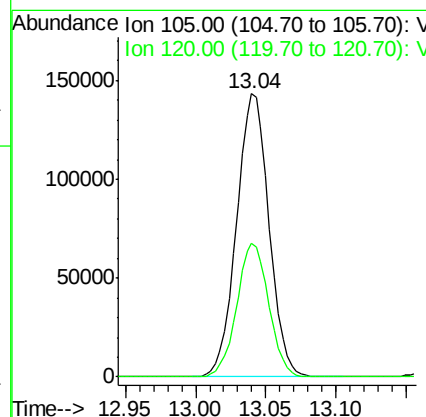
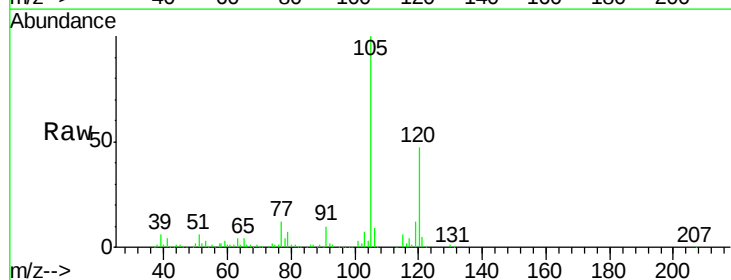
Manual Integrations
 APPROVED

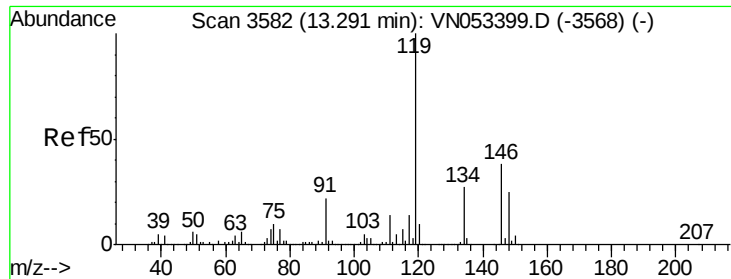
MMDadoda
 1/29/2019 9:52:24 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 6.901 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN053537.D
 Acq: 28 Jan 2019 11:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.0	69.0





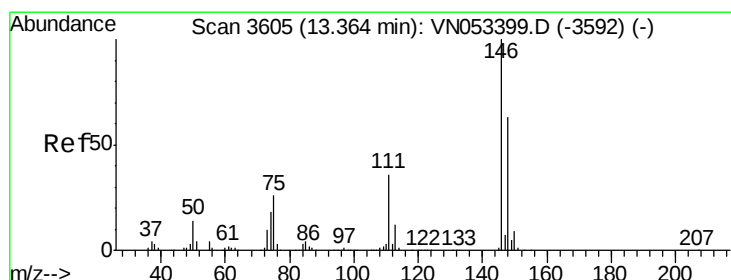
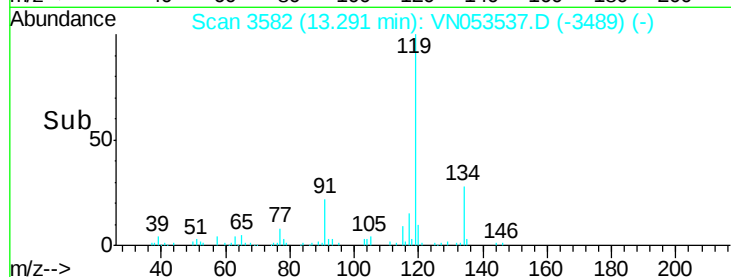
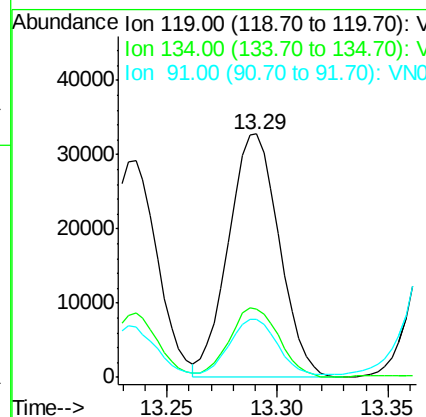
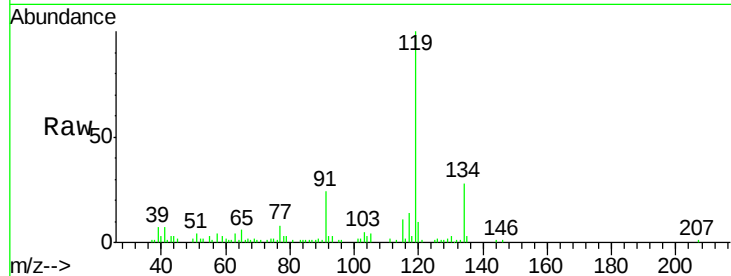
#86
p-Isopropyltoluene
Concen: 1.507 ug/l
RT: 13.29 min Scan# 3582
Delta R.T. 0.00 min
Lab File: VN053537.D
Acq: 28 Jan 2019 11:27

Instrument :
MSVOA_N
ClientSampled :
30093

Tot Ion	Ratio	Resp	Lower	Upper
119	100	52516		
134	27.8		13.5	40.4
91	20.8		11.0	33.0

Manual Integrations
APPROVED

MMDadoda
1/29/2019 9:52:24 AM



#88
1,4-Dichlorobenzene
Concen: 4.592 ug/l
RT: 13.36 min Scan# 3605
Delta R.T. 0.00 min
Lab File: VN053537.D
Acq: 28 Jan 2019 11:27

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	86947		
111	42.4		18.6	55.8
148	65.6		32.4	97.0

