

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012119\
 Data File : VN053501.D
 Acq On : 21 Jan 2019 12:44
 Operator : JC/SP
 Sample : K1201-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-1

Manual Integrations
 APPROVED

MMDadoda
 1/22/2019 9:47:30 AM

Quant Time: Jan 22 04:48:10 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	7.66	168	826690	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1271416	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1183417	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	560326	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	406553	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
35) Dibromofluoromethane	7.59	113	377354	52.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.00%	
50) Toluene-d8	10.09	98	1565162	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
62) 4-Bromofluorobenzene	12.40	95	549389	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	

Target Compounds

					Qvalue
11) Tert butyl alcohol	4.76	59	7813m	19.541	ug/l
16) Acetone	3.82	43	39555	20.633	ug/l
18) Methyl Acetate	4.32	43	44327	6.863	ug/l
25) 2-Butanone	6.84	43	116156	39.319	ug/l
40) Benzene	8.04	78	139056	3.952	ug/l
52) Toluene	10.16	92	84498	3.868	ug/l
67) Ethyl Benzene	11.51	91	32317	0.757	ug/l
68) m/p-Xylenes	11.62	106	46901	2.910	ug/l
69) o-Xylene	11.95	106	19413	1.240	ug/l
70) Styrene	11.96	104	31399	1.235	ug/l
80) 1,3,5-Trimethylbenzene	12.73	105	19343	0.579	ug/l
84) 1,2,4-Trimethylbenzene	13.04	105	50229	1.492	ug/l
95) Naphthalene	15.13	128	194964	17.198	ug/l

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

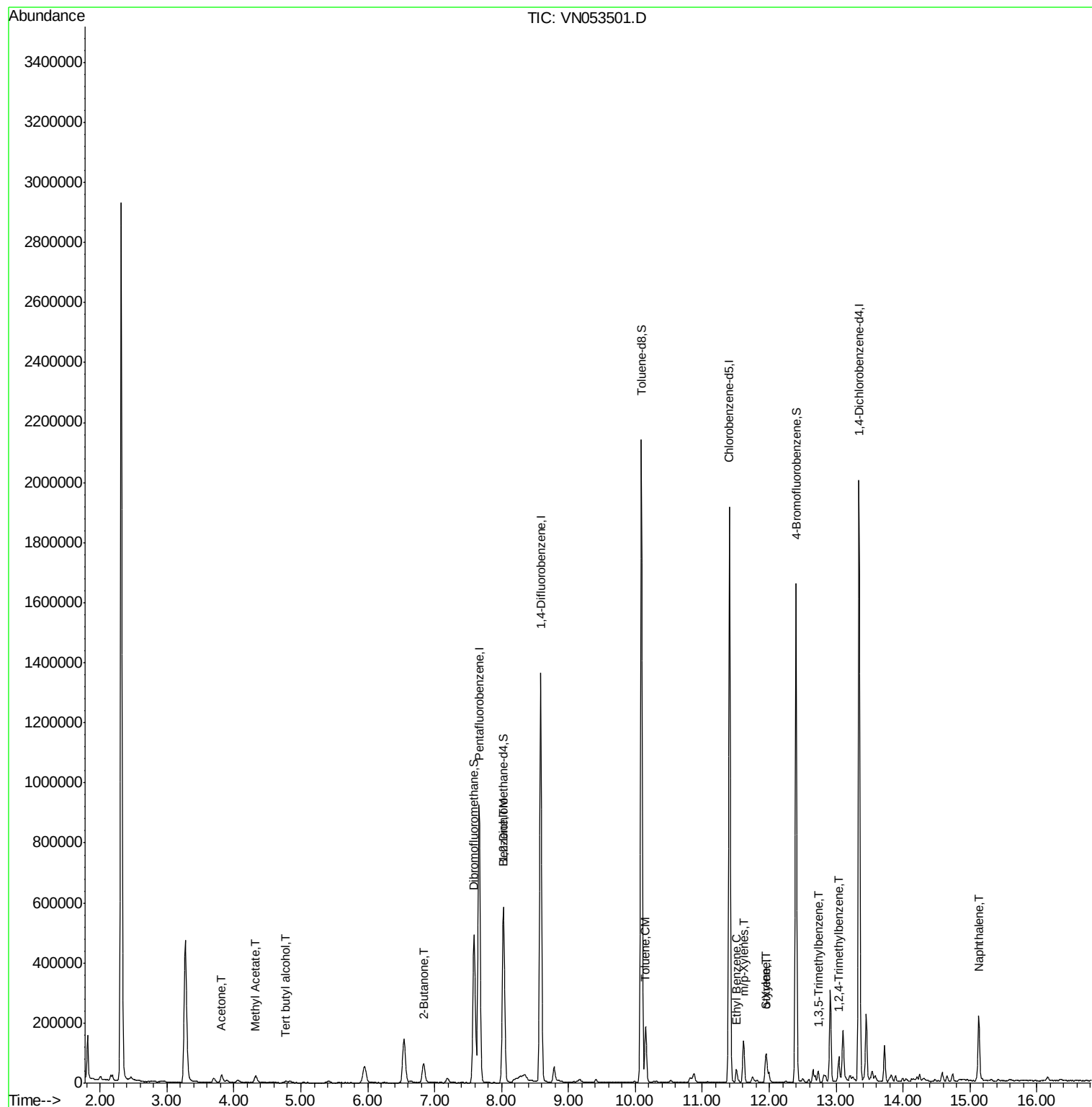
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN012119\
Data File : VN053501.D
Acq On : 21 Jan 2019 12:44
Operator : JC/SP
Sample : K1201-02
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 9 Sample Multiplier: 28

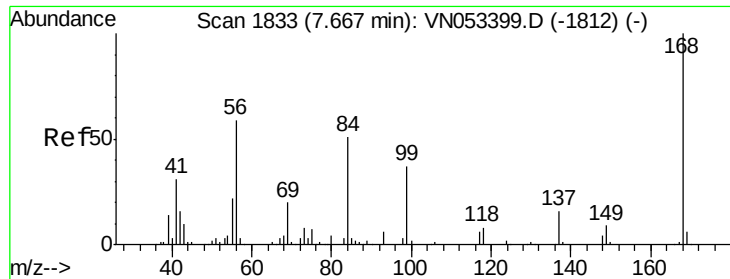
Instrument :
MSVOA_N
ClientSampleId :
COMP-1

Manual Integrations
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1/22/2019 9:47:30 AM

Quant Time: Jan 22 04:48:10 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: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053501.D

Acq: 21 Jan 2019 12:44

Instrument :

MSVOA_N

ClientSampled :

COMP-1

Tot Ion:168 Resp: 826690

Ion Ratio Lower Upper

168 100

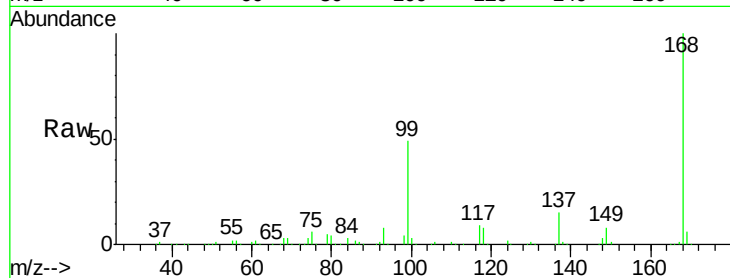
99 48.9 39.1 58.7

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

7.66

400000

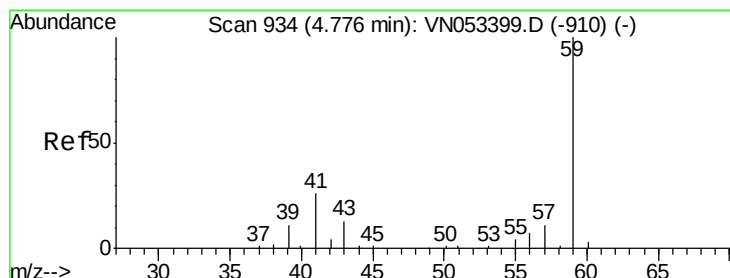
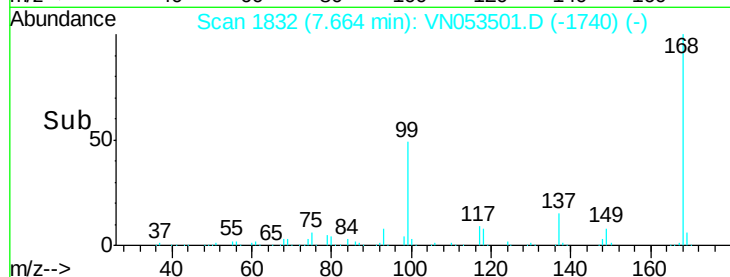
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 19.541 ug/l m

RT: 4.76 min Scan# 930

Delta R.T. -0.01 min

Lab File: VN053501.D

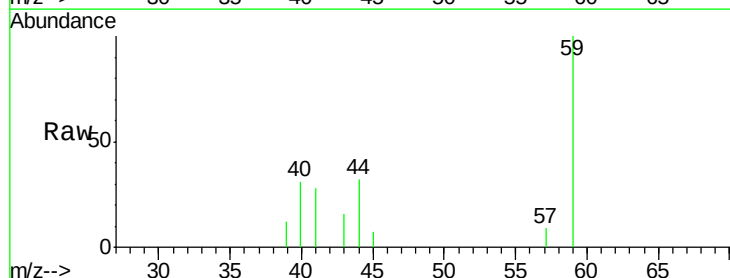
Acq: 21 Jan 2019 12:44

Tgt Ion: 59 Resp: 7813

Ion Ratio Lower Upper

59 100

57 6.9 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.76

2500

2000

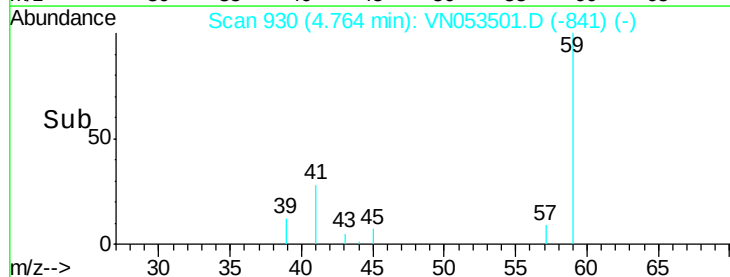
1500

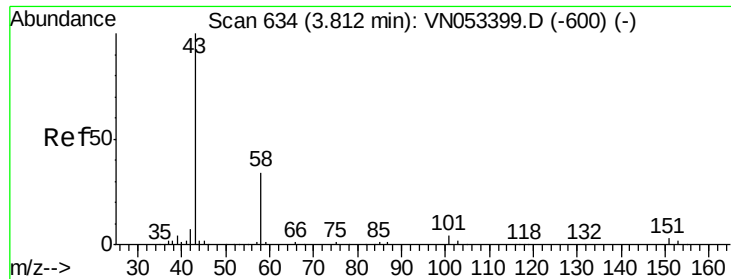
1000

500

0

Time-->





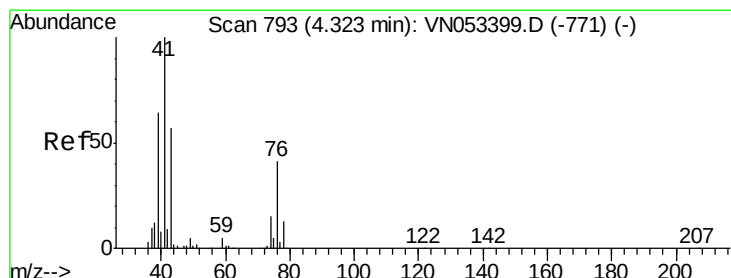
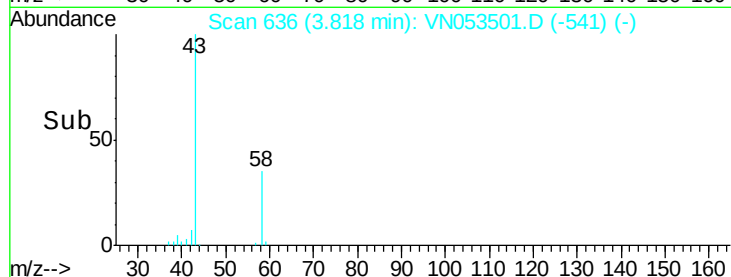
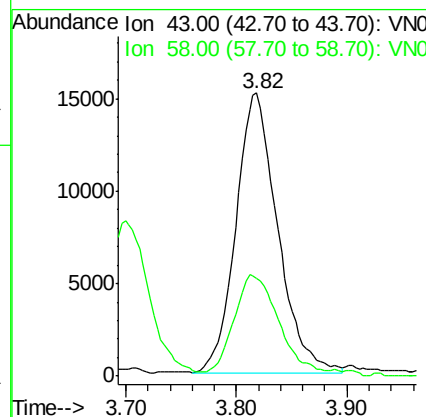
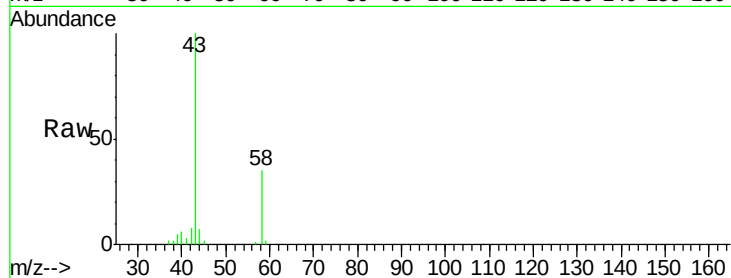
#16
Acetone
Concen: 20.633 ug/l
RT: 3.82 min Scan# 636
Delta R.T. 0.01 min
Lab File: VN053501.D
Acq: 21 Jan 2019 12:44

Instrument :
MSVOA_N
ClientSampleId :
COMP-1

Tot Ion	43	Resp	39555
Ion Ratio	100	Lower	Upper
43	100		
58	33.4	27.1	40.7

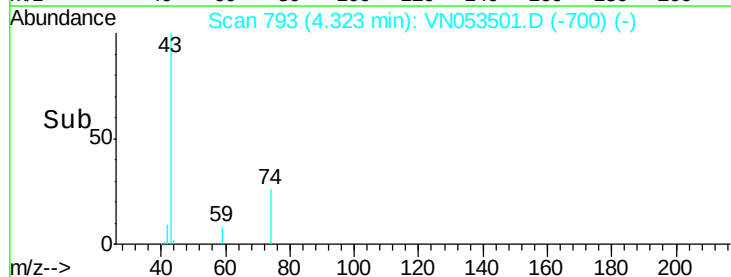
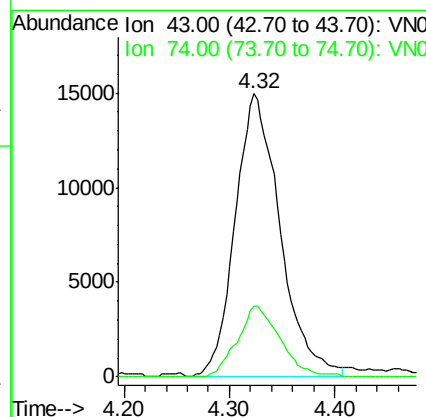
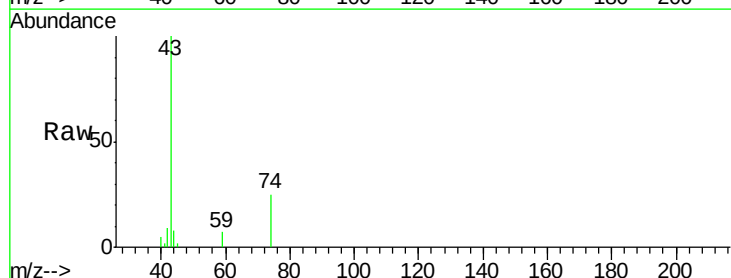
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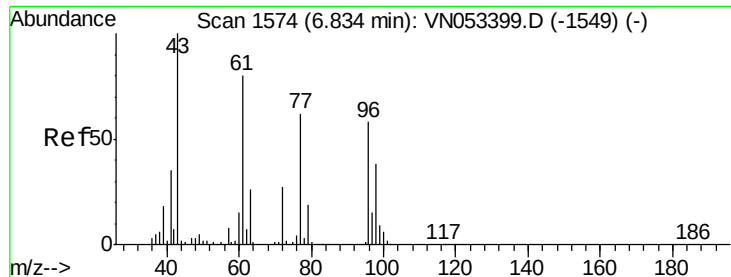
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#18
Methyl Acetate
Concen: 6.863 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053501.D
Acq: 21 Jan 2019 12:44

Tgt Ion	43	Resp	44327
Ion Ratio	100	Lower	Upper
43	100		
74	23.5	19.4	29.2





#25

2-Butanone

Concen: 39.319 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053501.D

Acq: 21 Jan 2019 12:44

Instrument :

MSVOA_N

ClientSampleId :

COMP-1

Tot Ion: 43 Resp: 116156

Ion Ratio Lower Upper

43 100

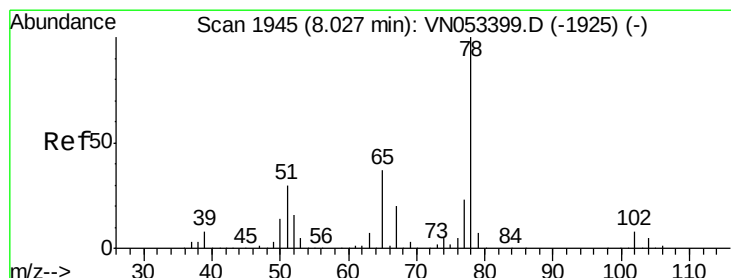
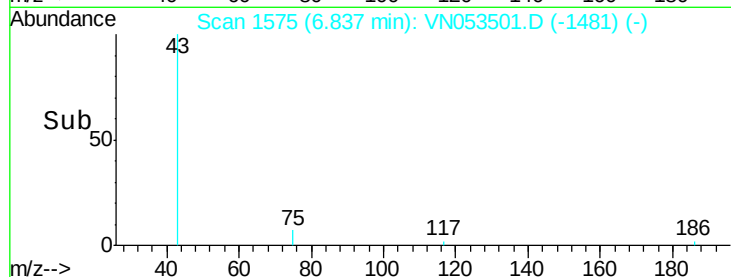
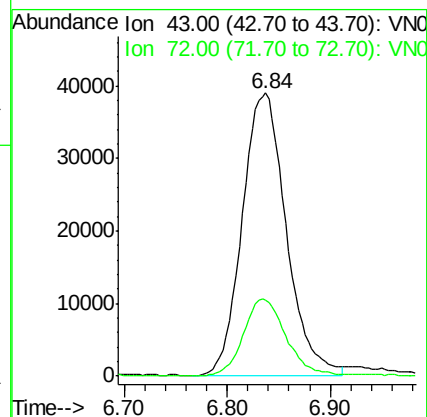
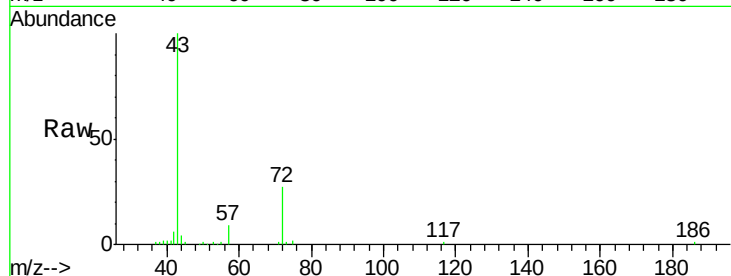
72 26.7 22.0 33.0

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#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN053501.D

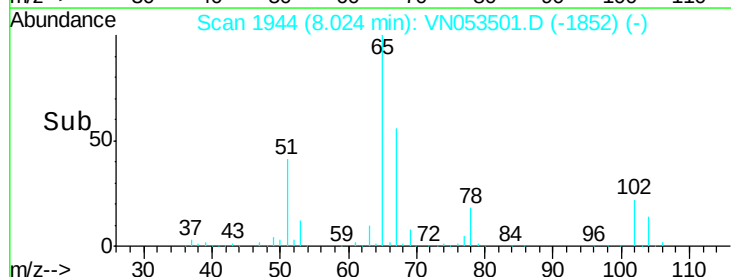
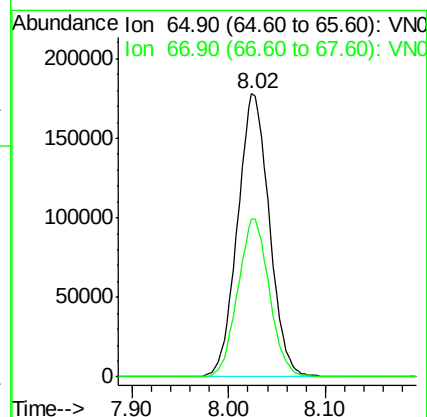
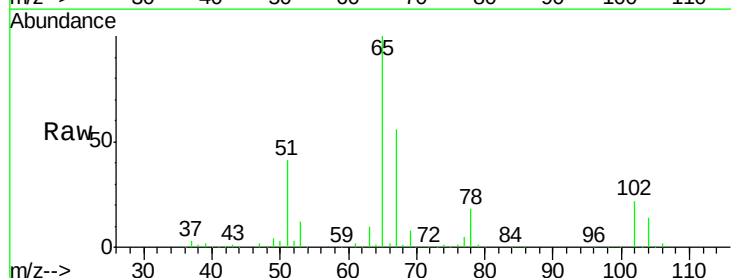
Acq: 21 Jan 2019 12:44

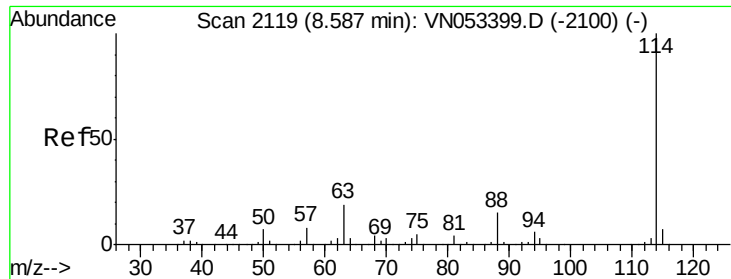
Tgt Ion: 65 Resp: 406553

Ion Ratio Lower Upper

65 100

67 55.4 0.0 111.2





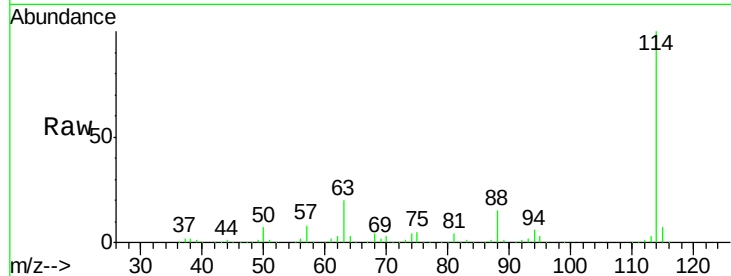
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.58 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN053501.D
Acq: 21 Jan 2019 12:44

Instrument :
MSVOA_N
ClientSampleId :
COMP-1

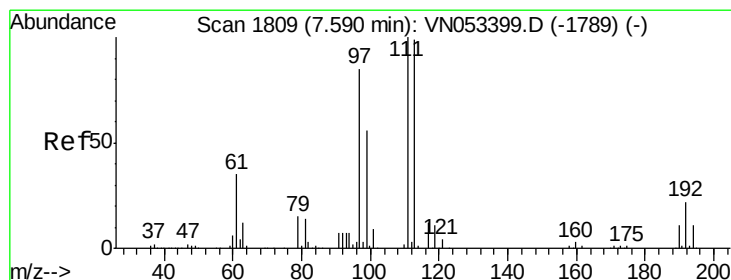
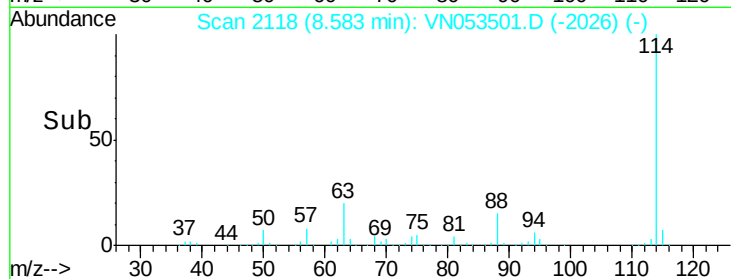
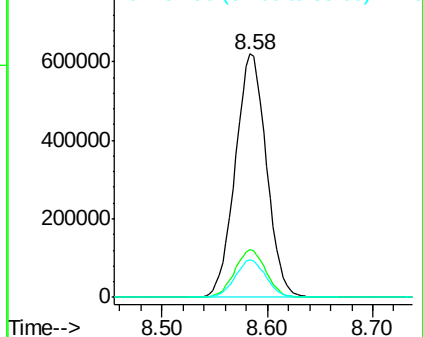
Tot Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	38.6
88	15.4	0.0	30.4

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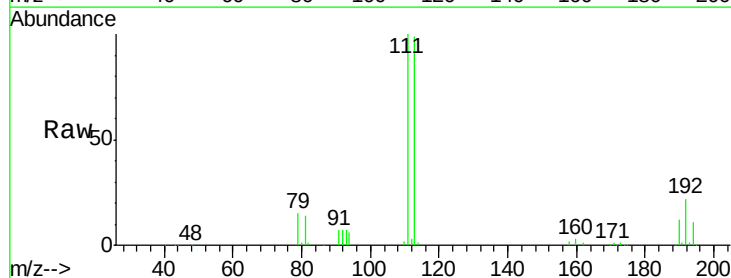


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

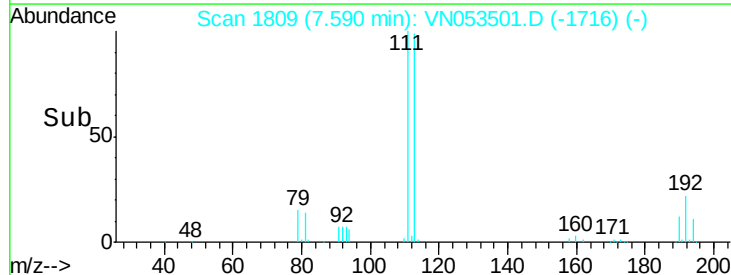
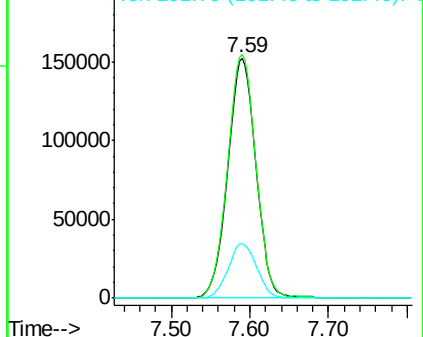


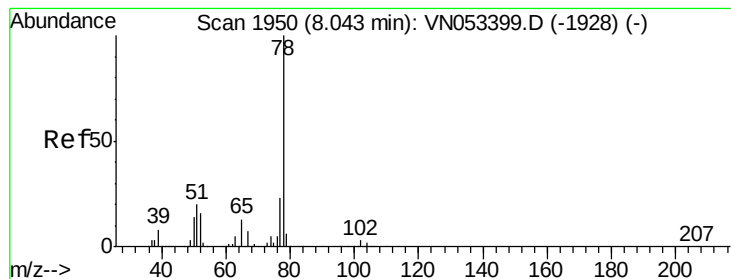
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VN053501.D
Acq: 21 Jan 2019 12:44

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.1	121.7
192	23.0	18.2	27.2



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 3.952 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN053501.D

Acq: 21 Jan 2019 12:44

Instrument :

MSVOA_N

ClientSampleId :

COMP-1

Tot Ion: 78 Resp: 139056

Ion Ratio Lower Upper

78 100

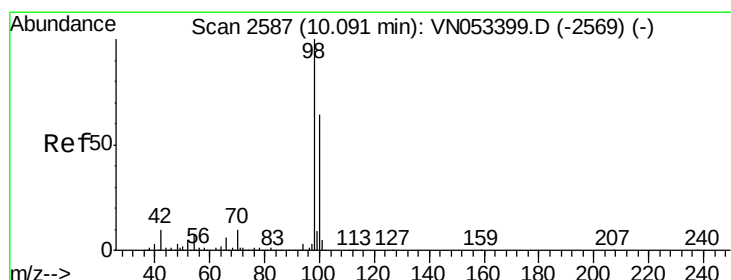
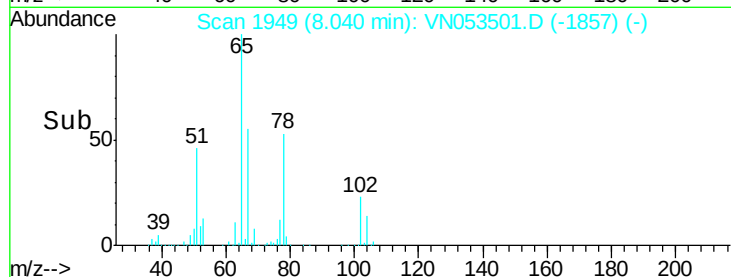
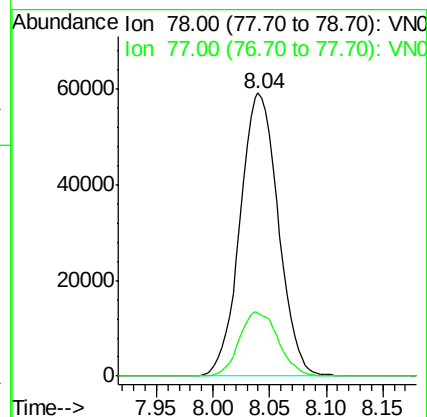
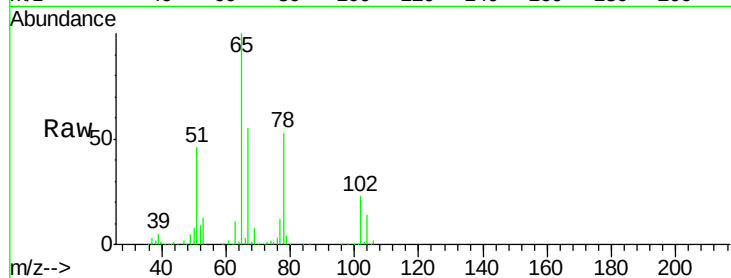
77 22.4 18.8 28.2

Manual Integrations

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#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN053501.D

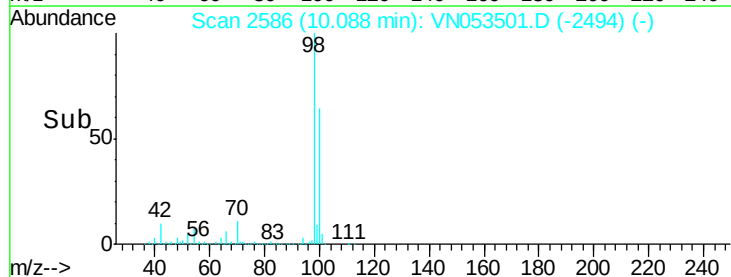
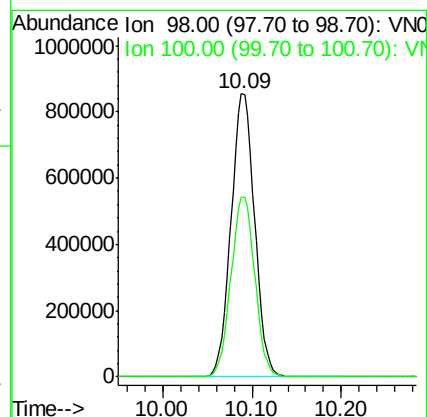
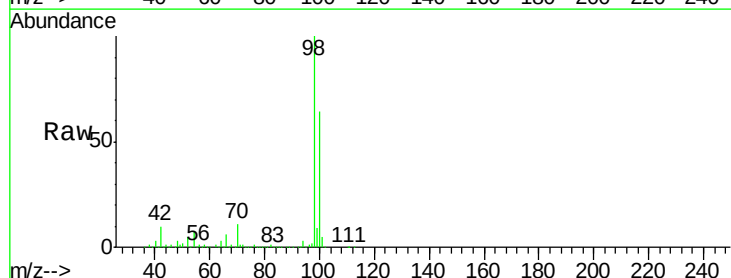
Acq: 21 Jan 2019 12:44

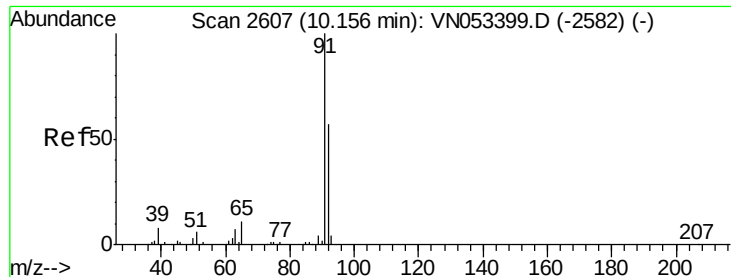
Tgt Ion: 98 Resp: 1565162

Ion Ratio Lower Upper

98 100

100 64.2 51.4 77.0





#52

Toluene

Concen: 3.868 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053501.D

Acq: 21 Jan 2019 12:44

Instrument :

MSVOA_N

ClientSampled :

COMP-1

Tot Ion: 92 Resp: 84498

Ion Ratio Lower Upper

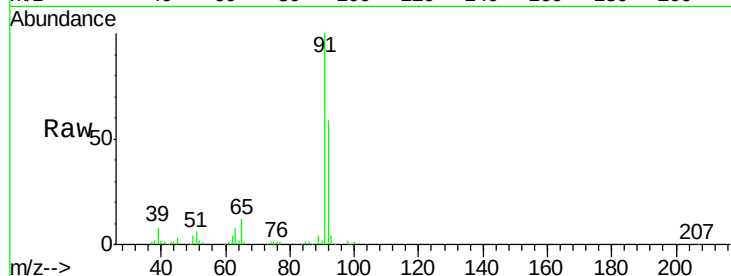
92 100

91 173.6 139.9 209.9

Manual Integrations
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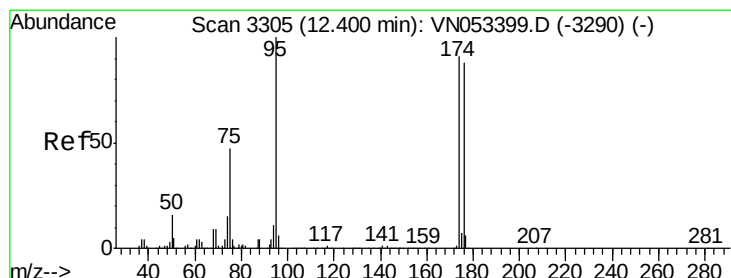
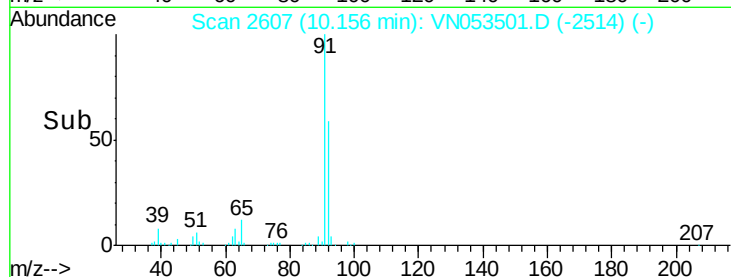
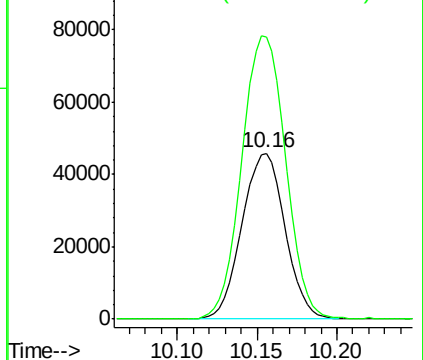
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Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053501.D

Acq: 21 Jan 2019 12:44

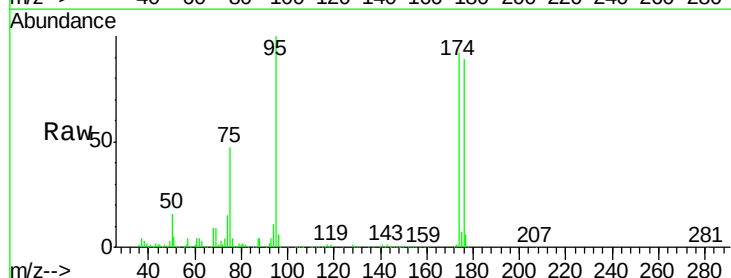
Tgt Ion: 95 Resp: 549389

Ion Ratio Lower Upper

95 100

174 92.0 0.0 183.2

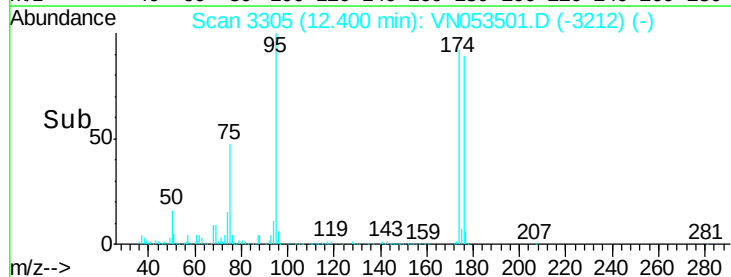
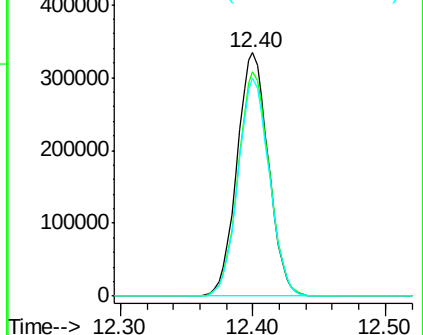
176 88.8 0.0 177.4

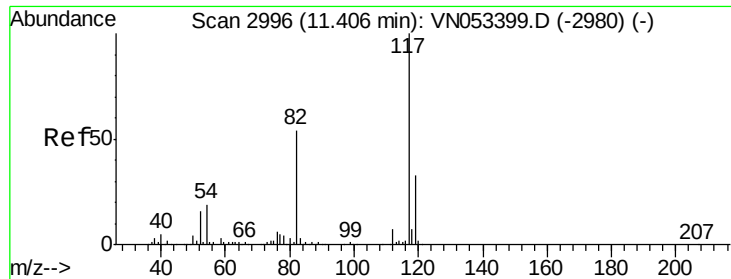


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053501.D

Acq: 21 Jan 2019 12:44

Instrument :

MSVOA_N

ClientSampled :

COMP-1

Tot Ion:117 Resp: 1183417

Ion Ratio Lower Upper

117 100

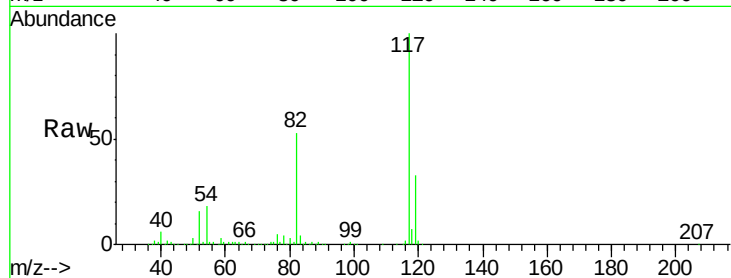
82 52.7 42.9 64.3

119 32.7 26.0 39.0

Manual Integrations
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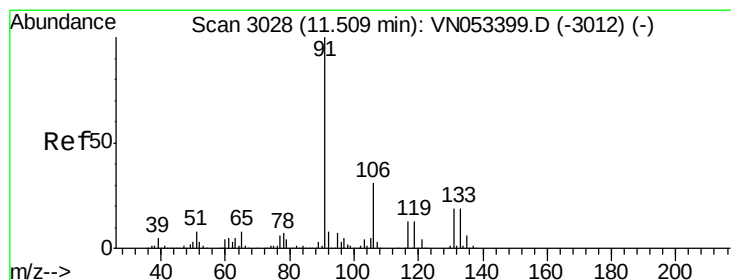
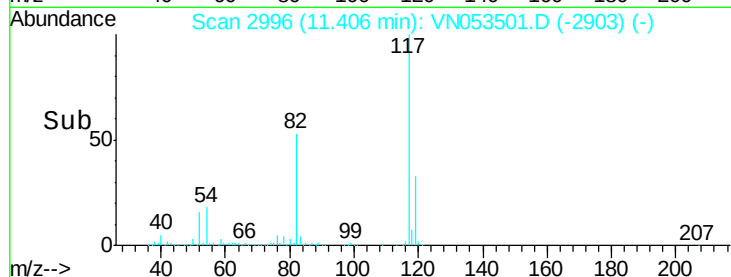
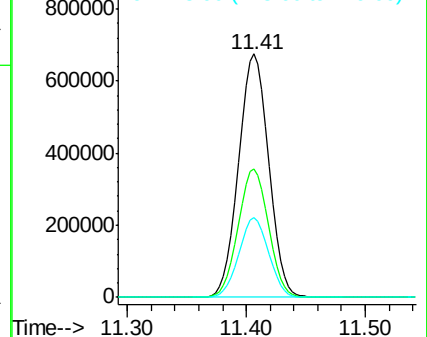
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Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#67

Ethyl Benzene

Concen: 0.757 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053501.D

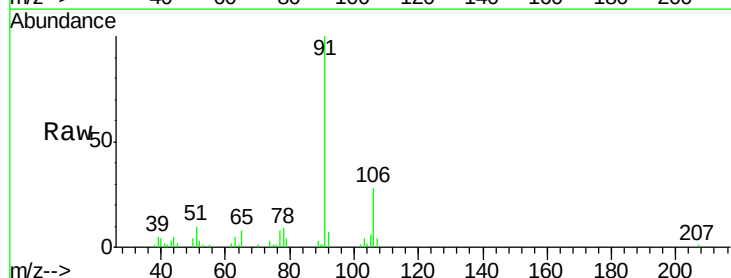
Acq: 21 Jan 2019 12:44

Tgt Ion: 91 Resp: 32317

Ion Ratio Lower Upper

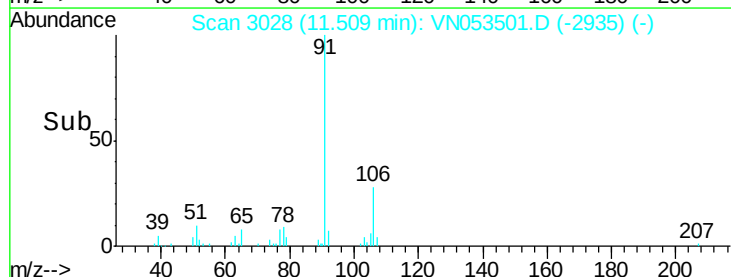
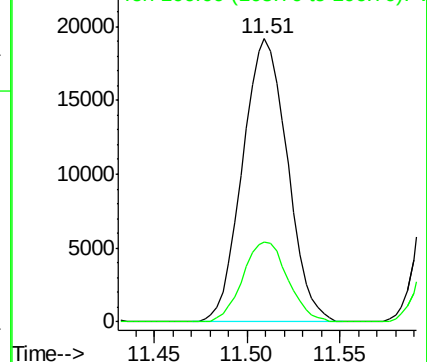
91 100

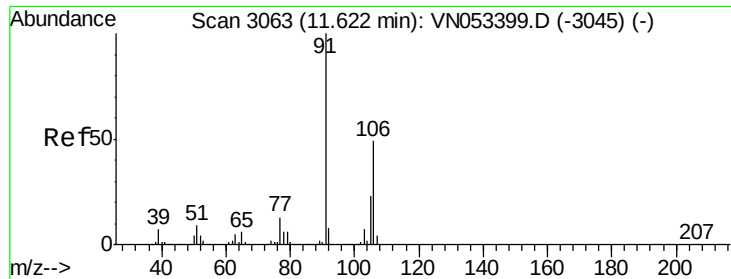
106 28.3 25.0 37.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V





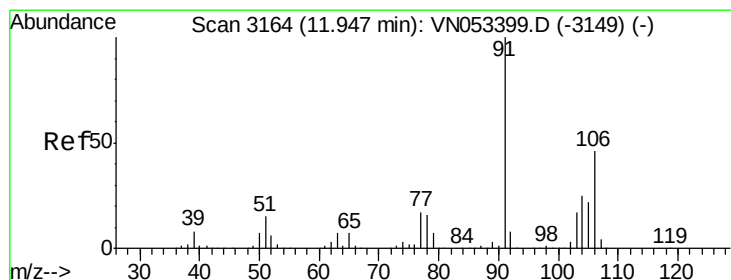
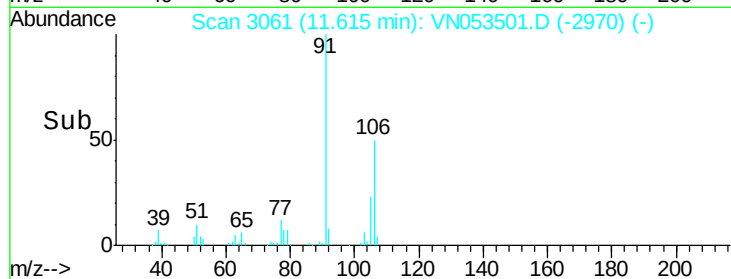
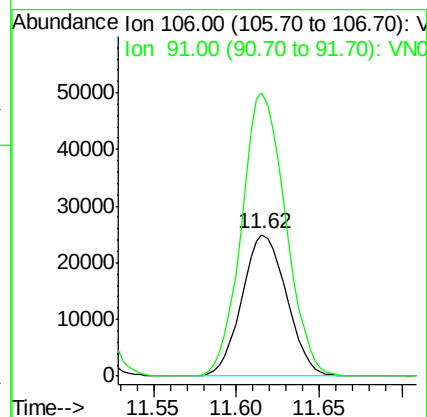
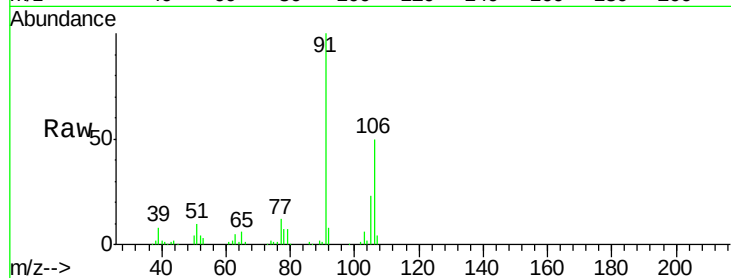
#68
m/p-Xylenes
Concen: 2.910 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.01 min
Lab File: VN053501.D
Acq: 21 Jan 2019 12:44

Instrument :
MSVOA_N
ClientSampled :
COMP-1

Tot Ion:106 Resp: 46901
Ion Ratio Lower Upper
106 100
91 197.0 161.4 242.2

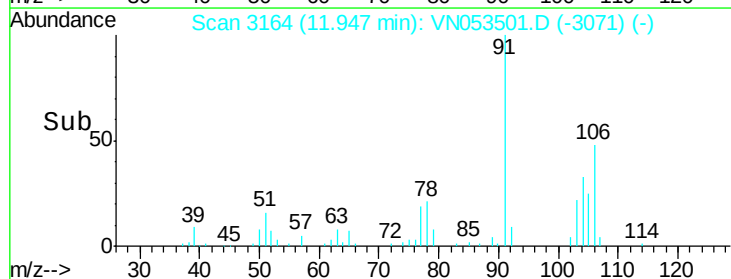
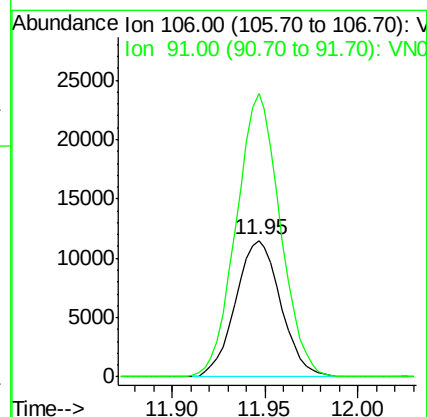
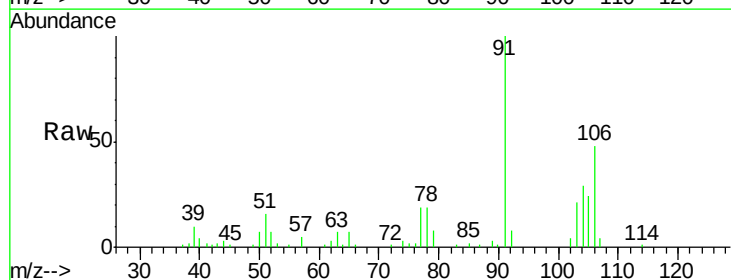
Manual Integrations
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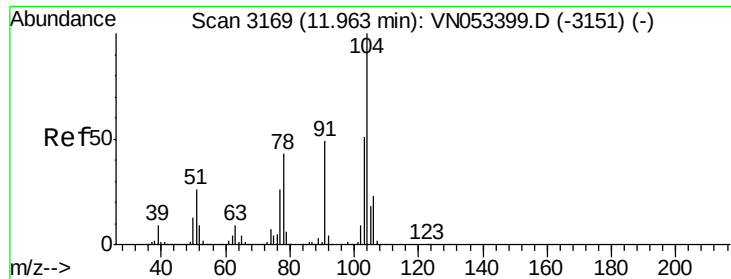
MMDadoda
1/22/2019 9:47:30 AM



#69
o-Xylene
Concen: 1.240 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053501.D
Acq: 21 Jan 2019 12:44

Tgt Ion:106 Resp: 19413
Ion Ratio Lower Upper
106 100
91 202.2 106.9 320.8





#70

Stvrene

Concen: 1.235 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN053501.D

Acq: 21 Jan 2019 12:44

Instrument :

MSVOA_N

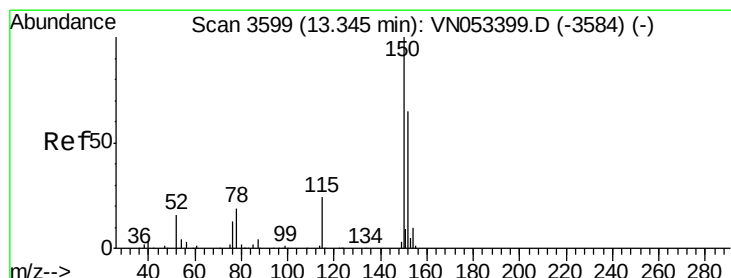
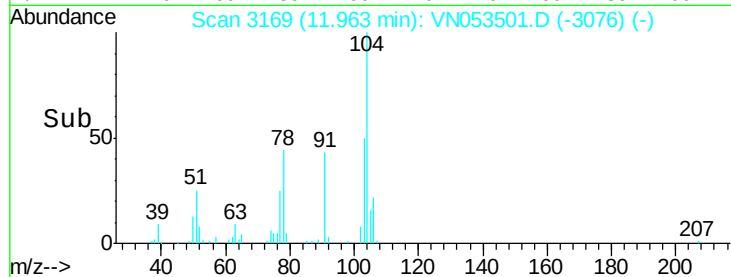
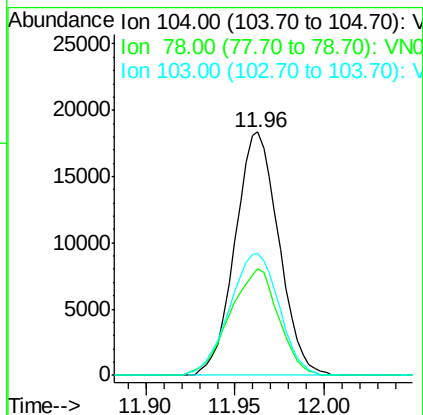
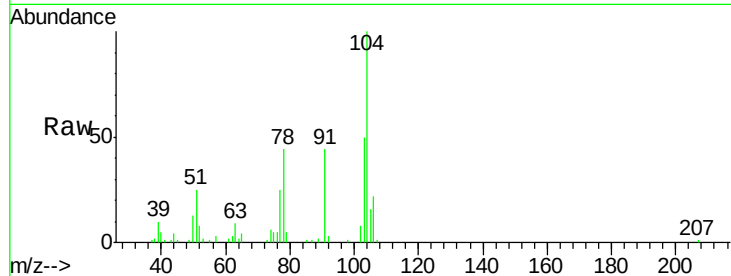
ClientSampled :

COMP-1

Tot Ion:	104	Resp:	31399
Ion Ratio	Lower	Upper	
104	100		
78	48.9	38.2	57.2
103	56.8	44.4	66.6

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

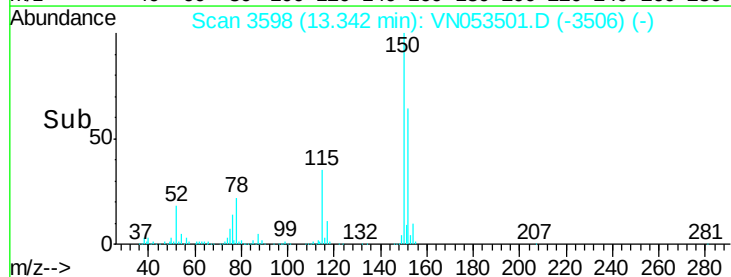
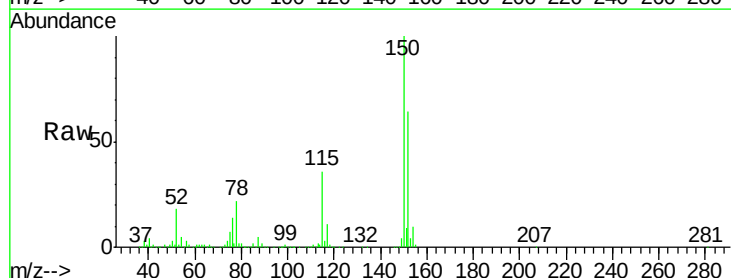
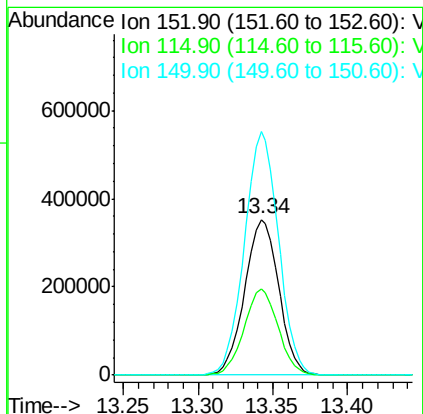
RT: 13.34 min Scan# 3598

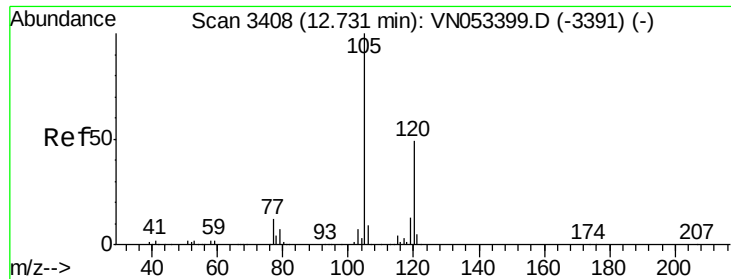
Delta R.T. -0.00 min

Lab File: VN053501.D

Acq: 21 Jan 2019 12:44

Tgt Ion:	152	Resp:	560326
Ion Ratio	Lower	Upper	
152	100		
115	55.2	27.8	83.4
150	156.4	0.0	349.0





#80

1,3,5-Trimethylbenzene

Concen: 0.579 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053501.D

Acq: 21 Jan 2019 12:44

Instrument :

MSVOA_N

ClientSampled :

COMP-1

Tot Ion:105 Resp: 19343

Ion Ratio Lower Upper

105 100

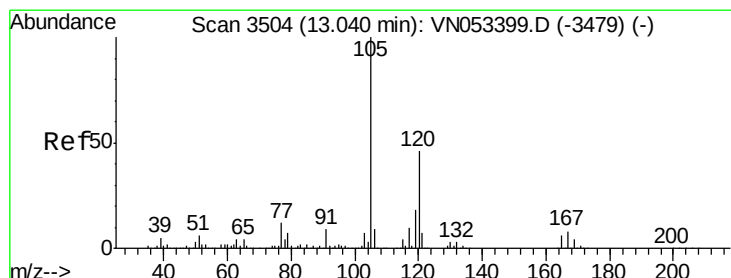
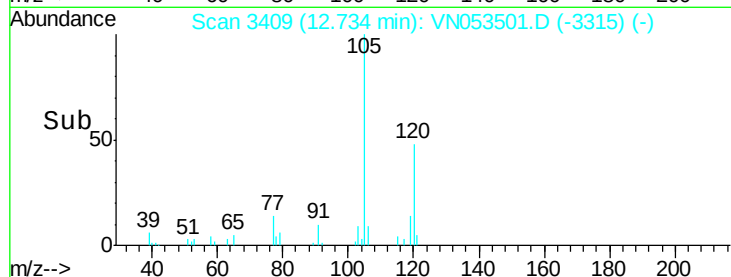
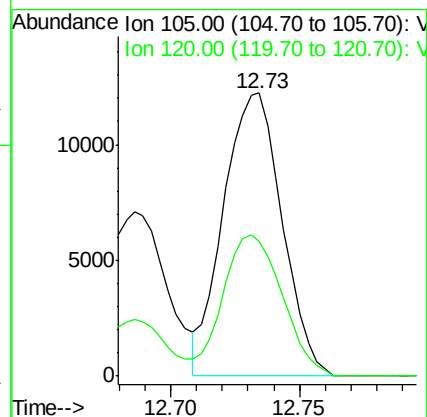
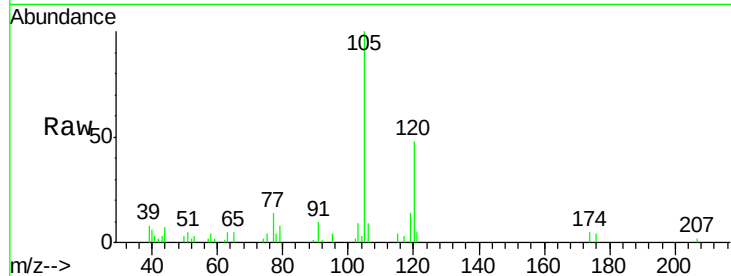
120 50.4 24.9 74.6

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#84

1,2,4-Trimethylbenzene

Concen: 1.492 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053501.D

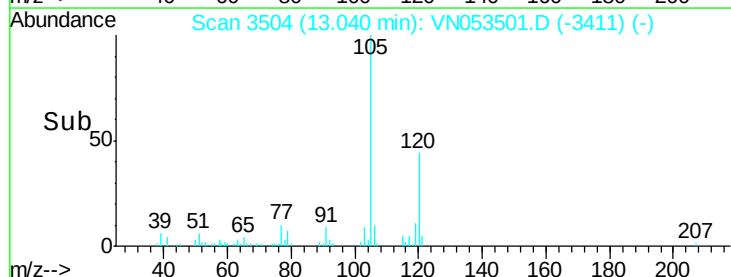
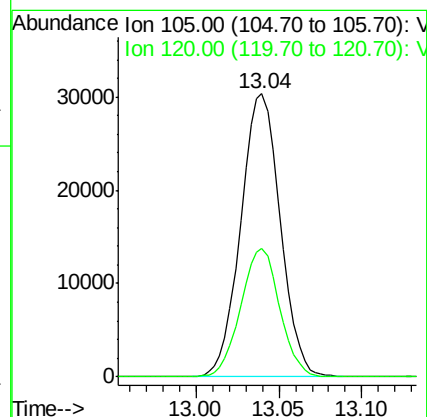
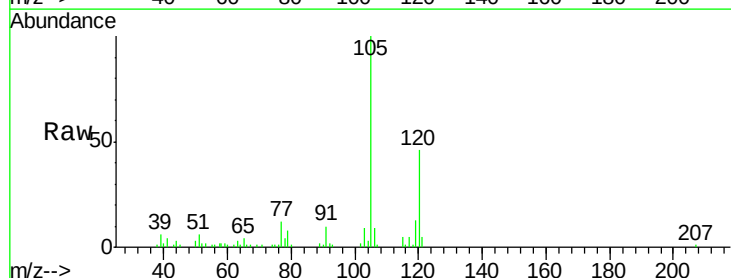
Acq: 21 Jan 2019 12:44

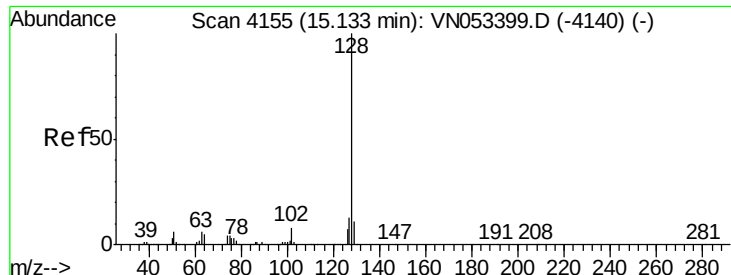
Tgt Ion:105 Resp: 50229

Ion Ratio Lower Upper

105 100

120 44.8 23.0 69.0





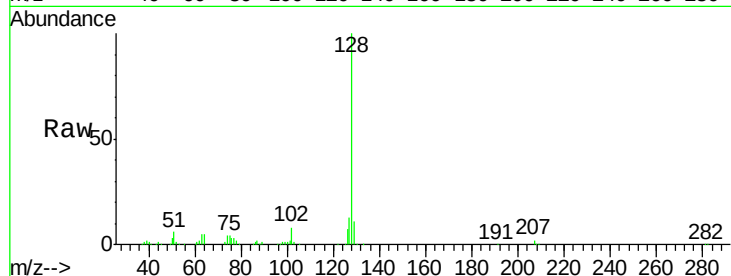
#95
Naphthalene
Concen: 17.198 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053501.D
Acq: 21 Jan 2019 12:44

Instrument :
MSVOA_N
ClientSampleId :
COMP-1

Tot Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	13.0	10.3	15.5
129	11.5	8.6	13.0

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Abundance Ion 128.00 (127.70 to 128.70): V
150000
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

