

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012819\
 Data File : VN053543.D
 Acq On : 28 Jan 2019 14:08
 Operator : JC/SP
 Sample : K1256-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 50138

Manual Integrations
 APPROVED

MMDadoda
 1/29/2019 9:52:43 AM

Quant Time: Jan 29 07:27:22 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	880728	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1359488	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1235528	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	522529	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	445801	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
35) Dibromofluoromethane	7.59	113	422475	54.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.90%	
50) Toluene-d8	10.09	98	1643438	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
62) 4-Bromofluorobenzene	12.40	95	563126	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	

Target Compounds

						Qvalue
10) Methyl Iodide	3.96	142	17094	1.384	ug/l	98
11) Tert butyl alcohol	4.78	59	193949	455.322	ug/l	99
16) Acetone	3.81	43	10571301	5175.962	ug/l	99
18) Methyl Acetate	4.32	43	234170	34.031	ug/l	100
20) Methylene Chloride	4.56	84	29329	3.145	ug/l	99
25) 2-Butanone	6.83	43	598406	190.131	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	65939	9.431	ug/l	96
52) Toluene	10.16	92	1610207	68.937	ug/l	100
59) 2-Hexanone	10.75	43	103610	21.109	ug/l	92
67) Ethyl Benzene	11.51	91	118141	2.651	ug/l	100
68) m/p-Xylenes	11.62	106	345593	20.537	ug/l	99
69) o-Xylene	11.95	106	676103	41.349	ug/l	100
73) Isopropylbenzene	12.25	105	333088	8.705	ug/l	100
78) n-propylbenzene	12.59	91	2466607	56.157	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	4406774	141.545	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	17901425m	570.253	ug/l	
85) sec-Butylbenzene	13.17	105	357232	9.473	ug/l #	28
86) p-Isopropyltoluene	13.29	119	519796	15.874	ug/l	99
95) Naphthalene	15.13	128	68834	8.959	ug/l	99

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

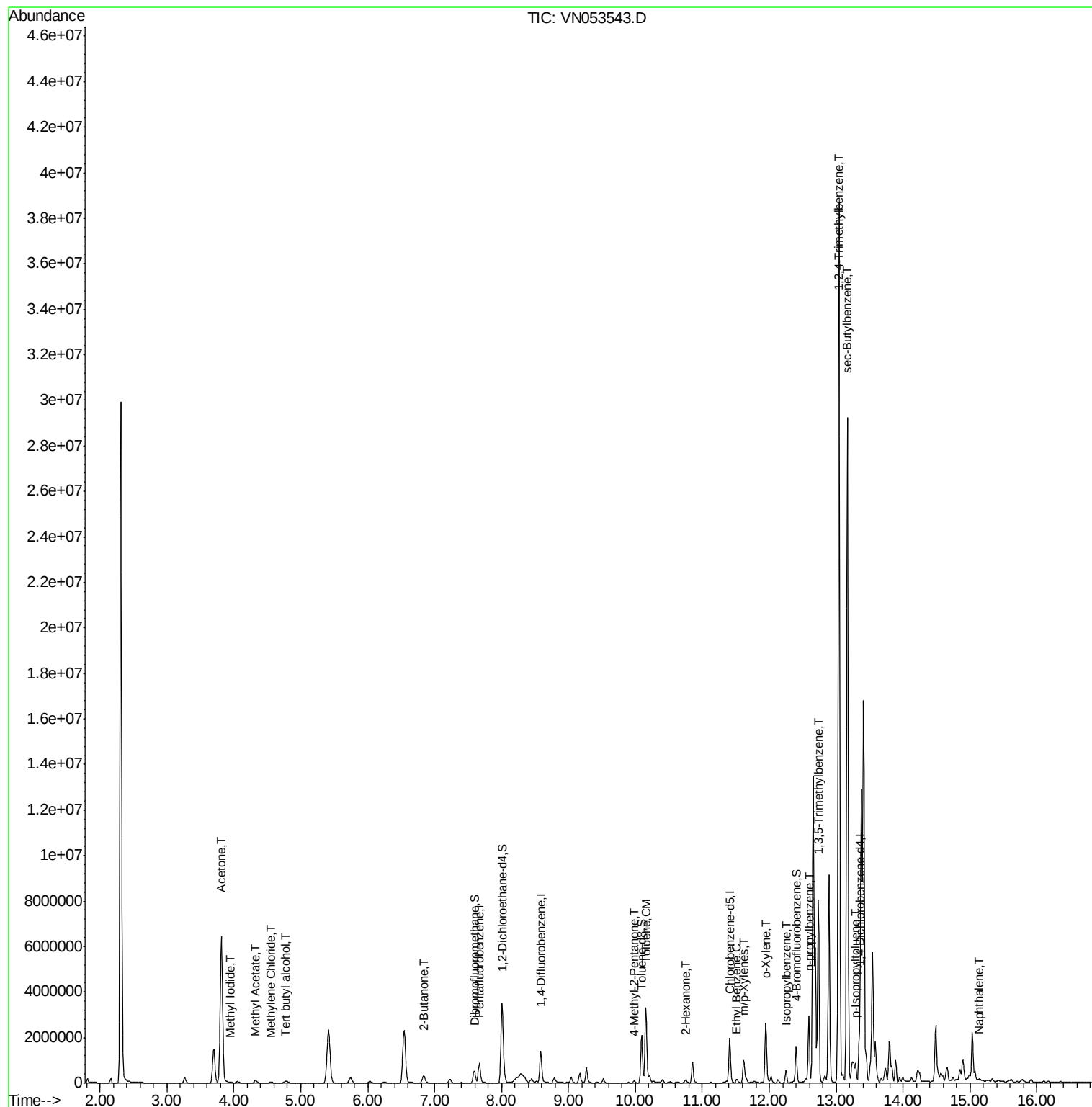
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012819\
Data File : VN053543.D
Acq On : 28 Jan 2019 14:08
Operator : JC/SP
Sample : K1256-04
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 12 Sample Multiplier: 28

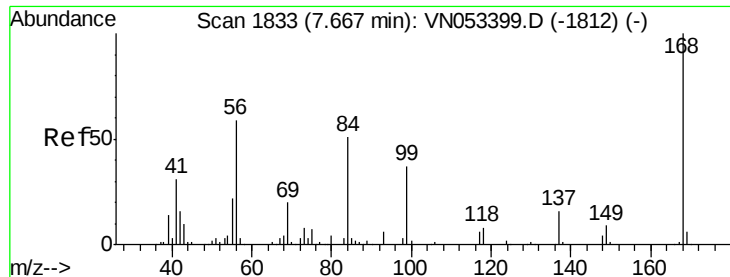
Instrument :
MSVOA_N
ClientSampleId :
50138

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Quant Time: Jan 29 07:27:22 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053543.D

Acq: 28 Jan 2019 14:08

Instrument :

MSVOA_N

ClientSampleId :

50138

Tot Ion:168 Resp: 880728

Ion Ratio Lower Upper

168 100

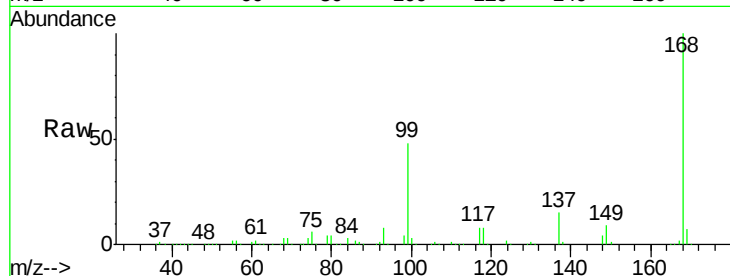
99 48.4 39.1 58.7

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

400000

300000

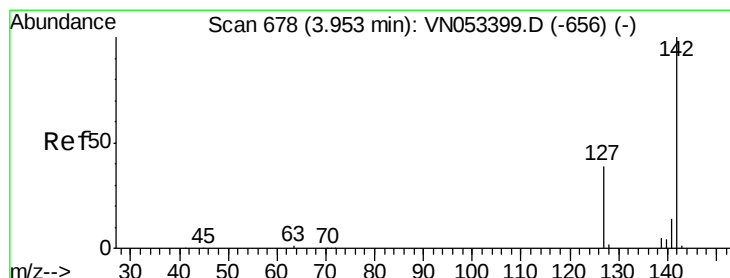
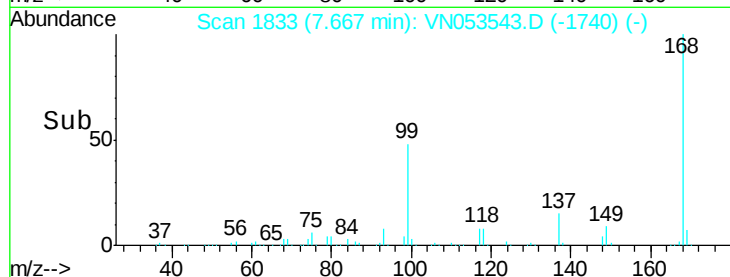
200000

100000

0

7.50 7.60 7.70 7.80 7.90

Time-->



#10

Methyl Iodide

Concen: 1.384 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN053543.D

Acq: 28 Jan 2019 14:08

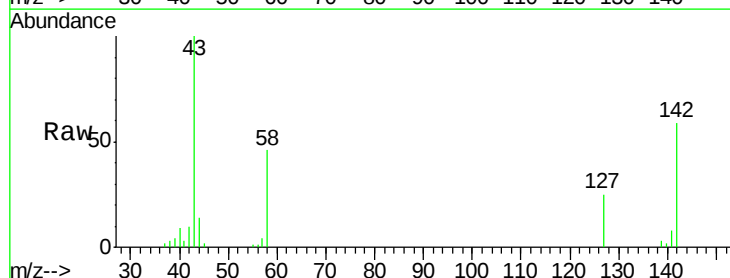
Tgt Ion:142 Resp: 17094

Ion Ratio Lower Upper

142 100

127 38.2 31.0 46.4

141 12.4 11.1 16.7



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

8000

6000

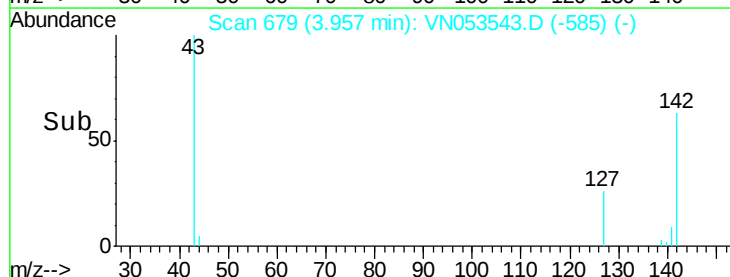
4000

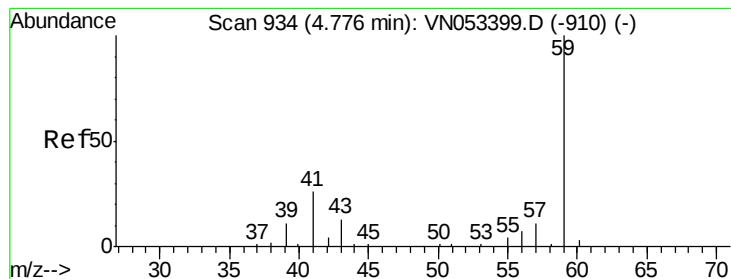
2000

0

3.85 3.90 3.95 4.00 4.05

Time-->





#11

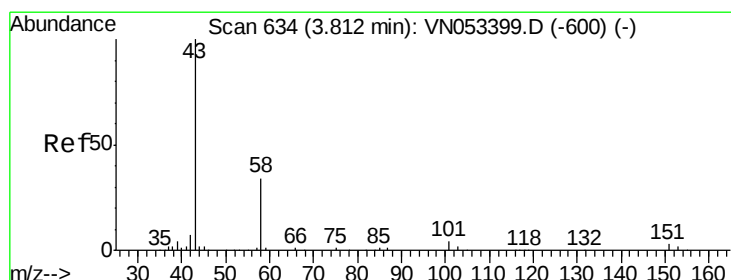
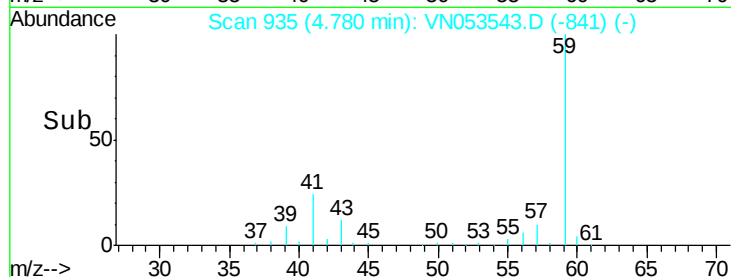
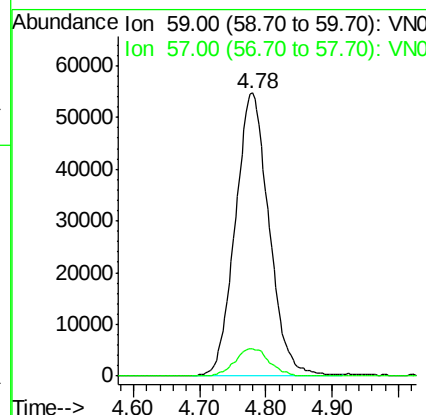
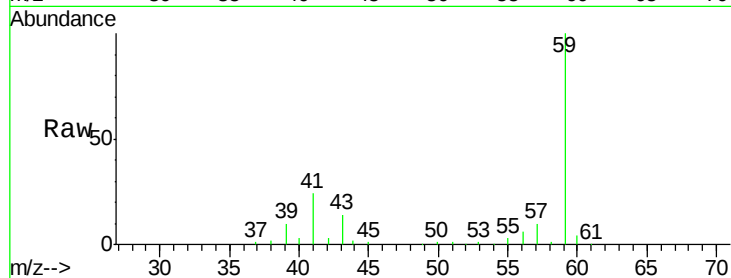
Tert butyl alcohol
 Concen: 455.322 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VN053543.D
 Acq: 28 Jan 2019 14:08

Instrument :
 MSVOA_N
 ClientSampled :
 50138

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	193949		
57	57	10.0		8.2	12.4

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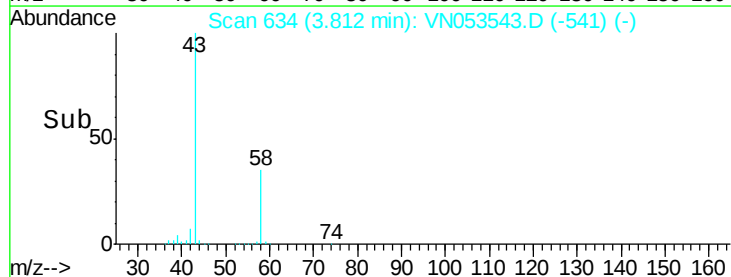
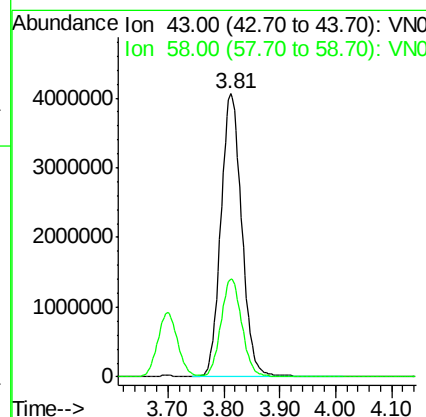
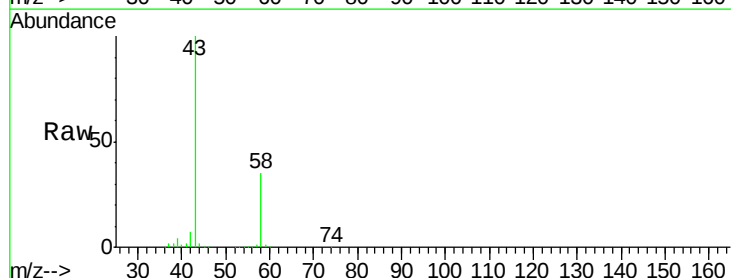
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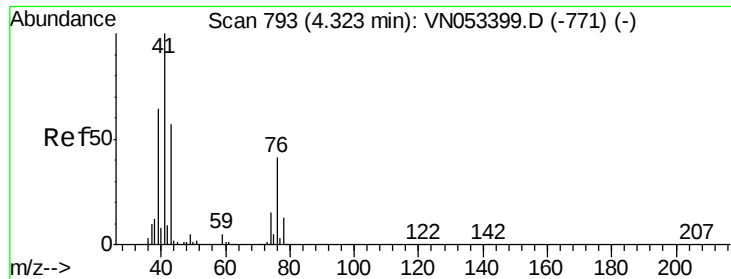


#16

Acetone
 Concen: 5175.962 ug/l
 RT: 3.81 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VN053543.D
 Acq: 28 Jan 2019 14:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
43	43	100	10571301		
58	58	34.7		27.1	40.7





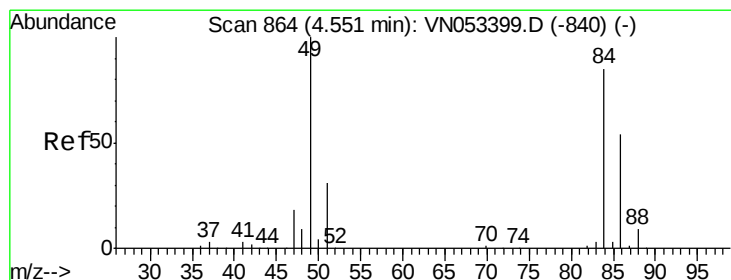
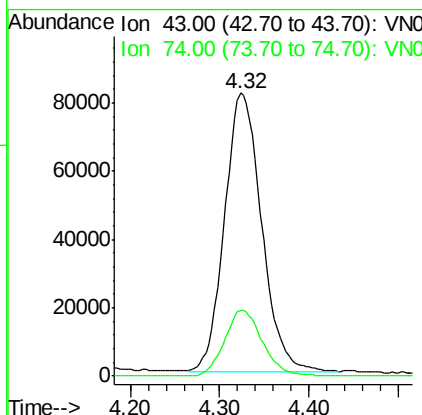
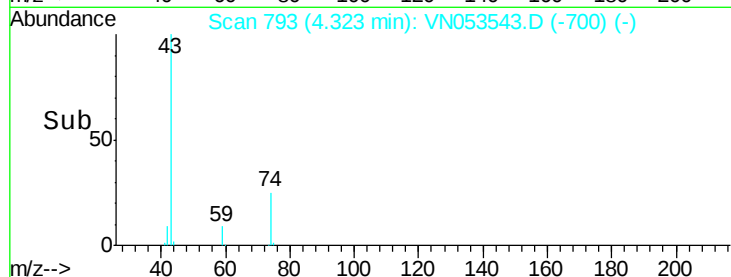
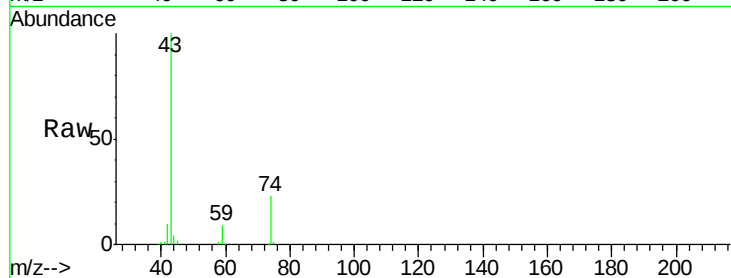
#18
Methvl Acetate
Concen: 34.031 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053543.D
Acq: 28 Jan 2019 14:08

Instrument :
MSVOA_N
ClientSampleId :
50138

Tot Ion: 43 Resp: 234170
Ion Ratio Lower Upper
43 100
74 24.1 19.4 29.2

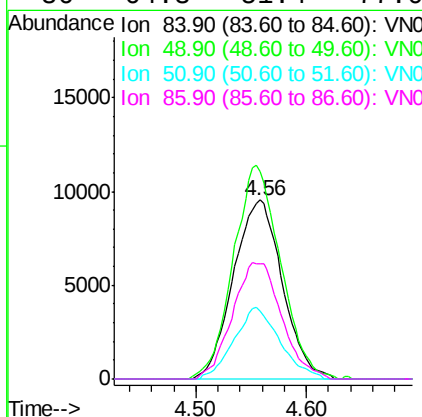
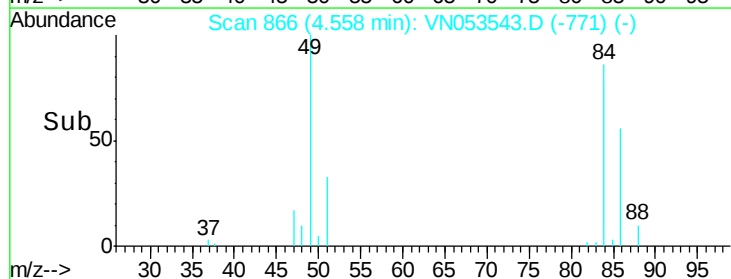
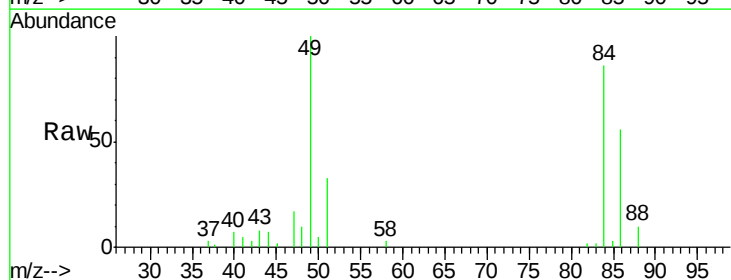
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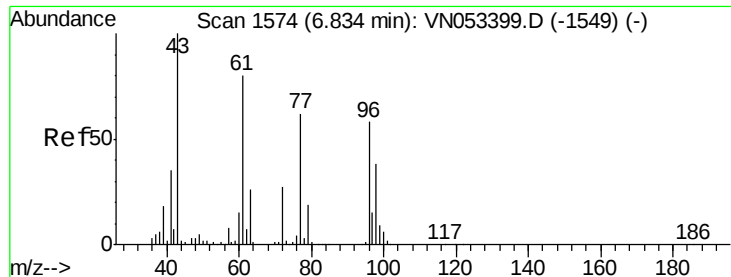
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#20
Methylene Chloride
Concen: 3.145 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN053543.D
Acq: 28 Jan 2019 14:08

Tgt Ion: 84 Resp: 29329
Ion Ratio Lower Upper
84 100
49 115.7 94.3 141.5
51 38.1 29.4 44.2
86 64.3 51.4 77.0





#25

2-Butanone

Concen: 190.131 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN053543.D

Acq: 28 Jan 2019 14:08

Instrument :

MSVOA_N

ClientSampleId :

50138

Tot Ion: 43 Resp: 598406

Ion Ratio Lower Upper

43 100

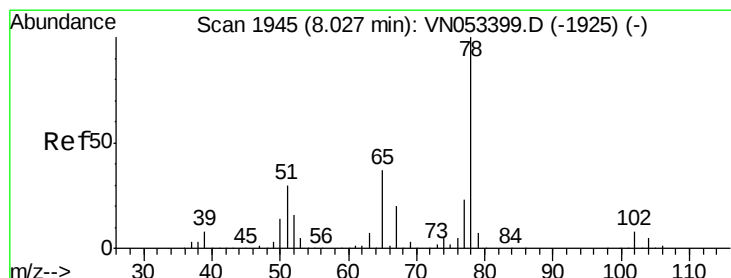
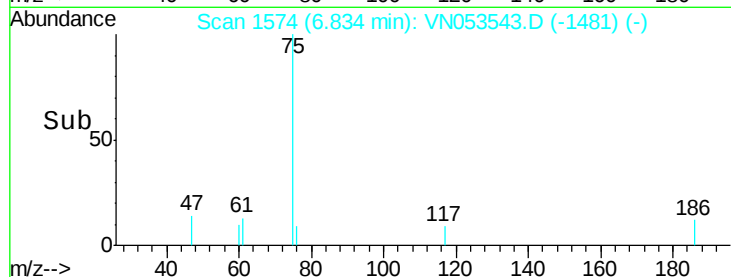
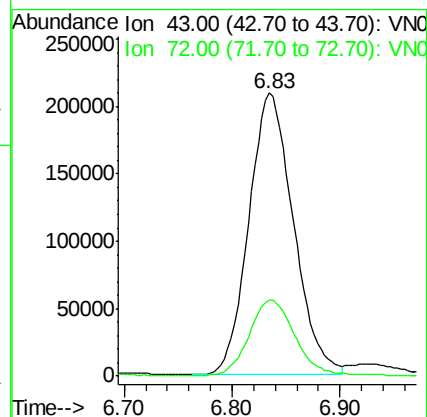
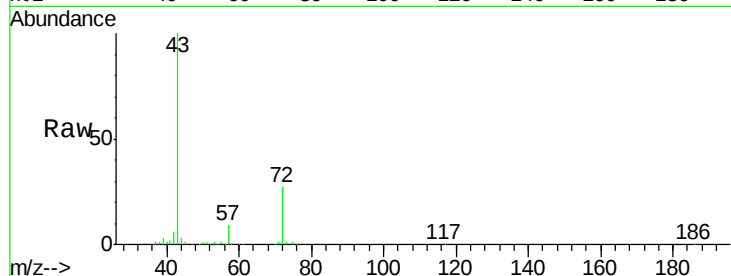
72 26.7 22.0 33.0

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#33

1,2-Dichloroethane-d4

Concen: N.D. ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053543.D

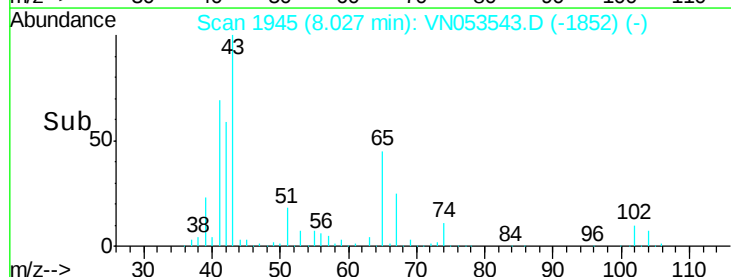
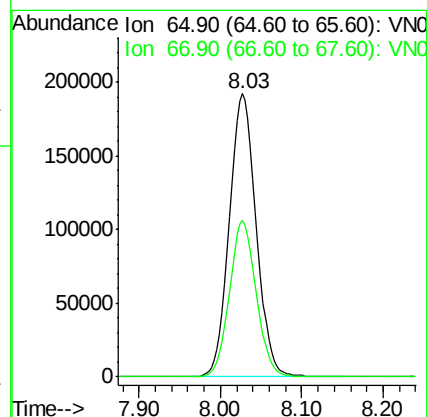
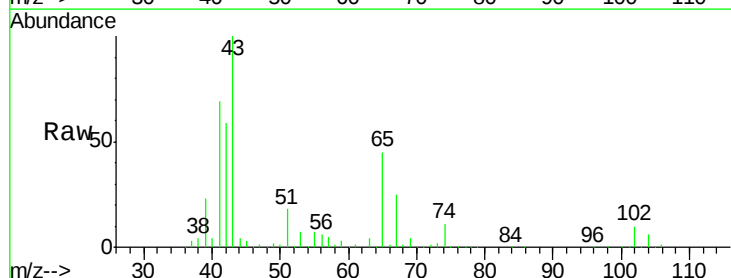
Acq: 28 Jan 2019 14:08

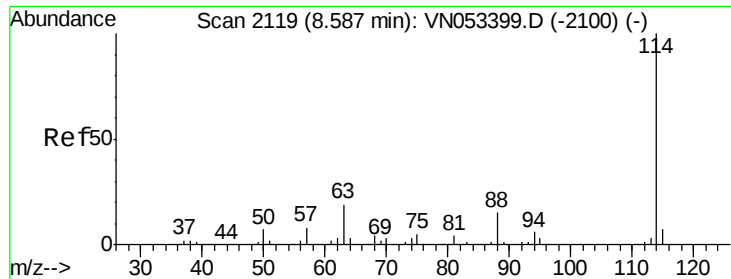
Tgt Ion: 65 Resp: 445801

Ion Ratio Lower Upper

65 100

67 54.8 0.0 111.2





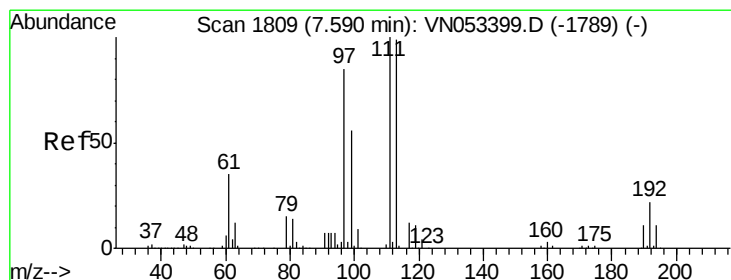
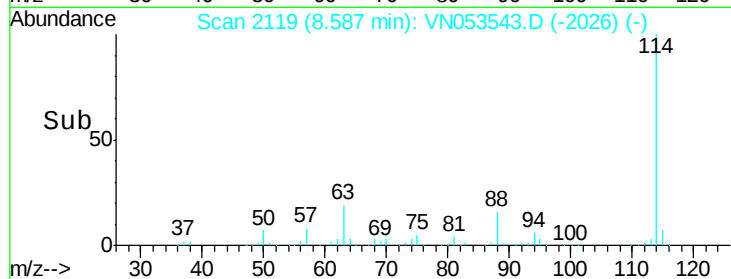
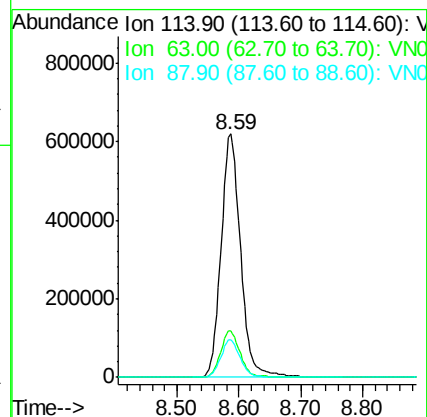
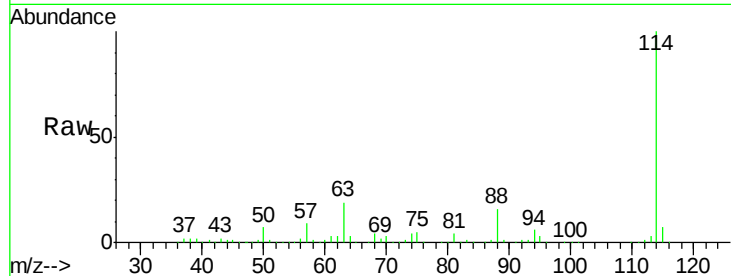
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053543.D
 Acq: 28 Jan 2019 14:08

Instrument :
 MSVOA_N
 ClientSampleId :
 50138

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	38.6
88	15.6	0.0	30.4

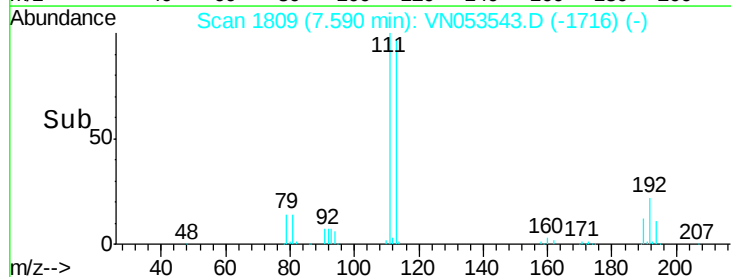
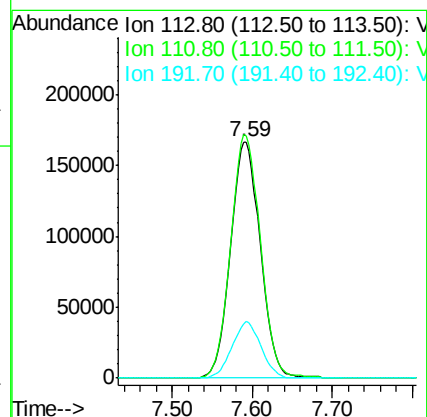
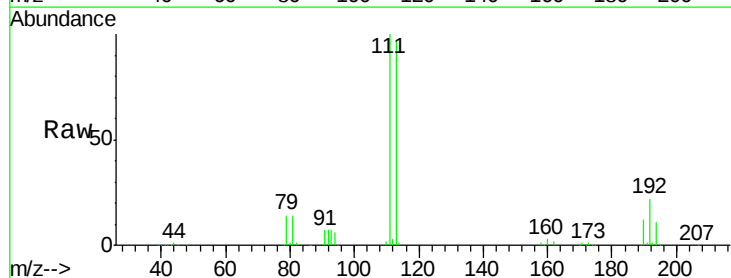
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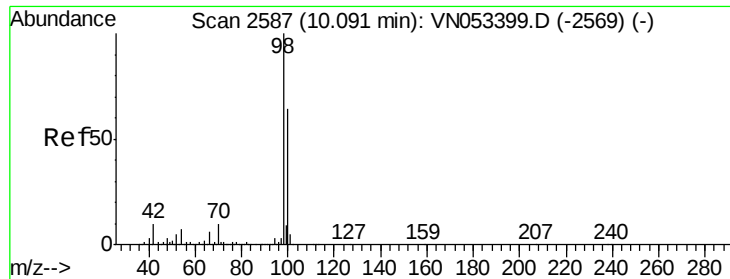
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#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN053543.D
 Acq: 28 Jan 2019 14:08

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.1	121.7
192	23.1	18.2	27.2





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053543.D

Acq: 28 Jan 2019 14:08

Instrument :

MSVOA_N

ClientSampleId :

50138

Tot Ion: 98 Resp: 1643438

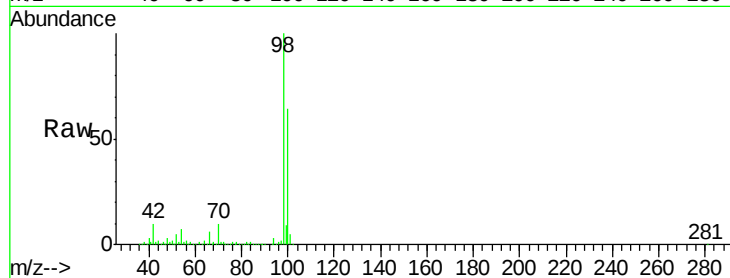
Ion Ratio Lower Upper

98 100

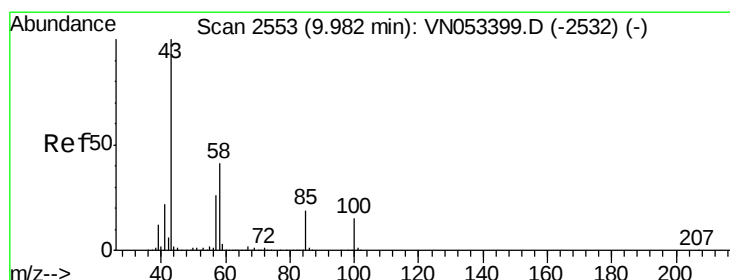
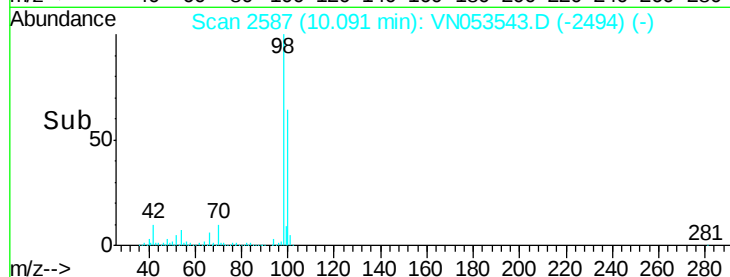
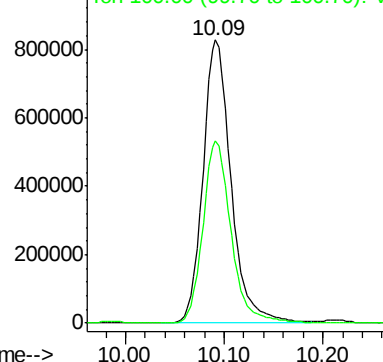
100 64.8 51.4 77.0

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Abundance Ion 98.00 (97.70 to 98.70): VN053399.D (-2569) (-)



#51

4-Methyl-2-Pentanone

Concen: 9.431 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN053543.D

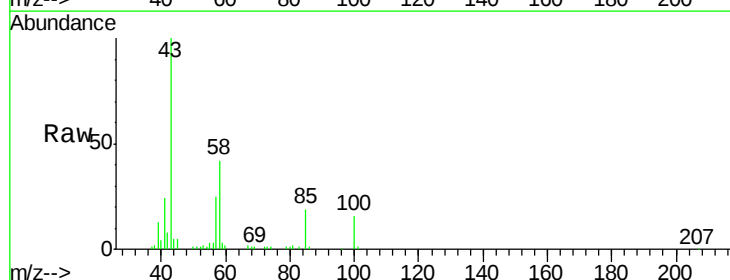
Acq: 28 Jan 2019 14:08

Tgt Ion: 43 Resp: 65939

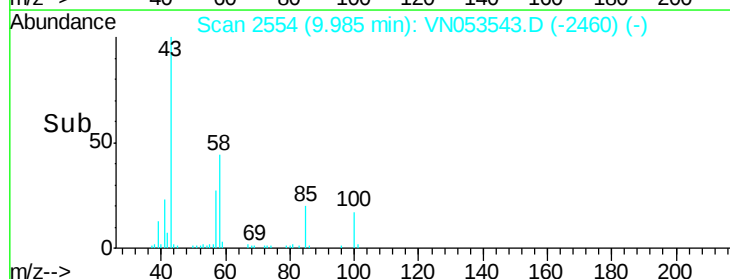
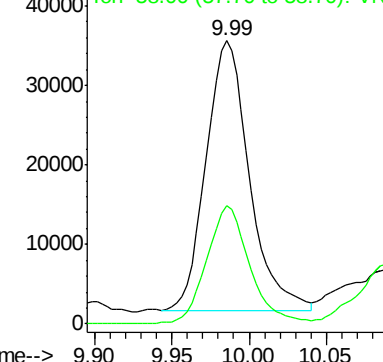
Ion Ratio Lower Upper

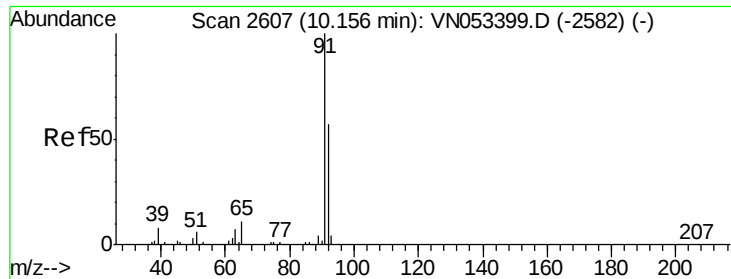
43 100

58 43.8 32.8 49.2



Abundance Ion 43.00 (42.70 to 43.70): VN053399.D (-2532) (-)





#52

Toluene

Concen: 68.937 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053543.D

Acq: 28 Jan 2019 14:08

Instrument :

MSVOA_N

ClientSampleId :

50138

Tot Ion: 92 Resp: 1610207

Ion Ratio Lower Upper

92 100

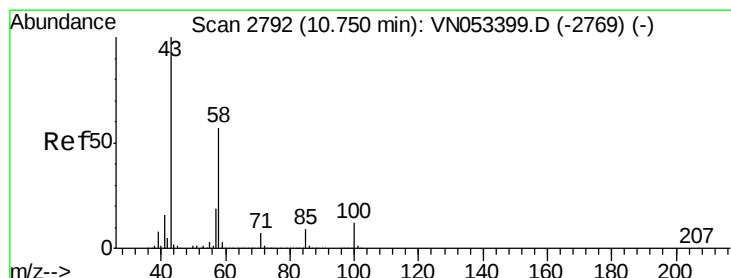
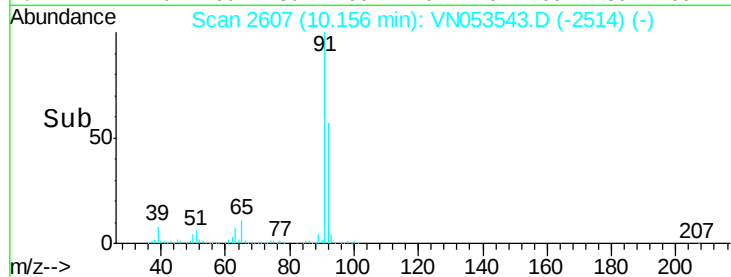
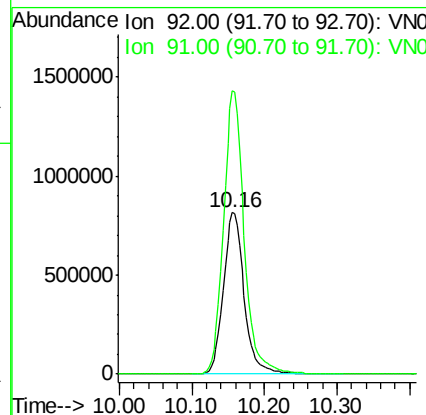
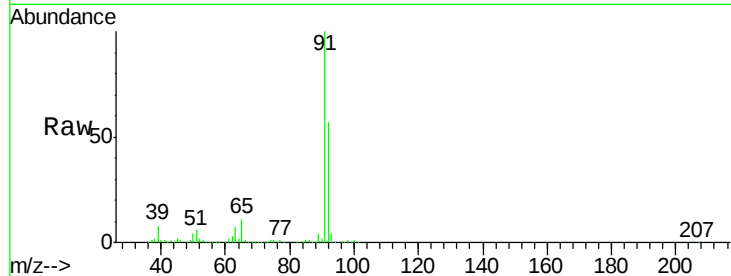
91 174.9 139.9 209.9

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#59

2-Hexanone

Concen: 21.109 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.00 min

Lab File: VN053543.D

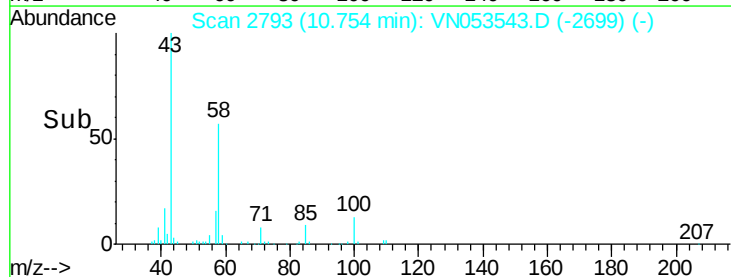
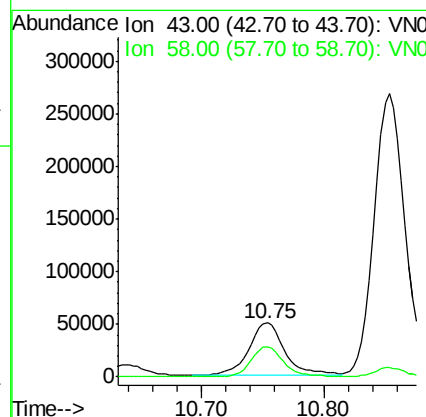
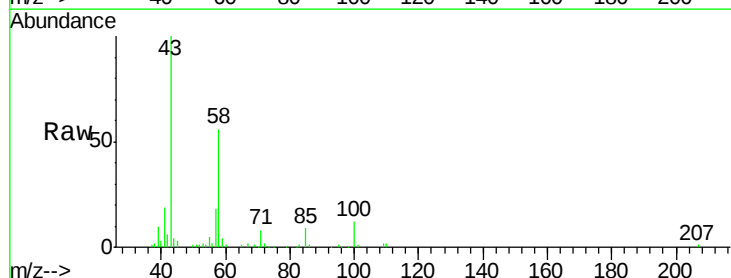
Acq: 28 Jan 2019 14:08

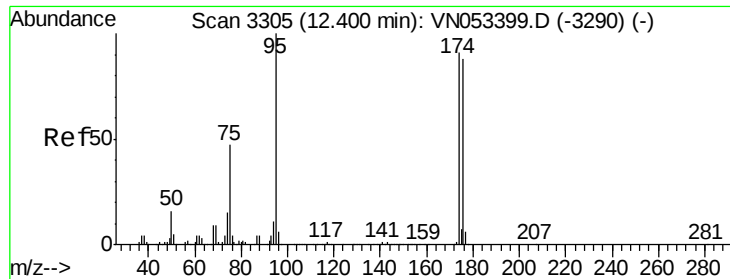
Tgt Ion: 43 Resp: 103610

Ion Ratio Lower Upper

43 100

58 51.3 28.6 85.8





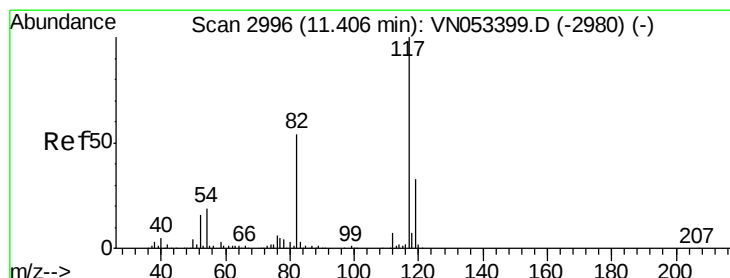
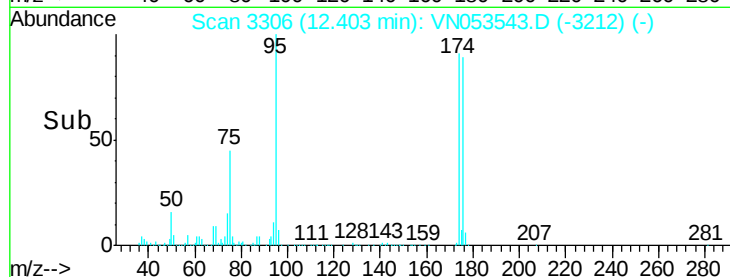
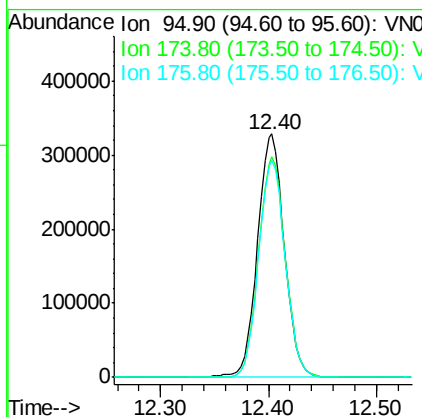
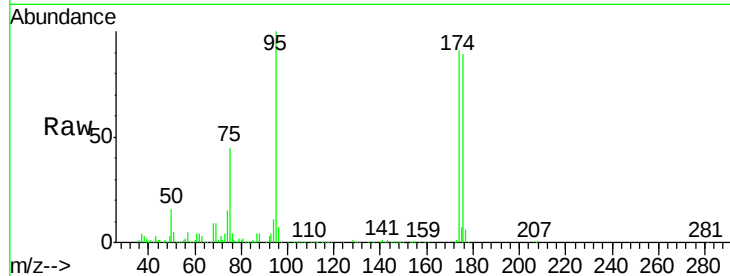
#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN053543.D
Acq: 28 Jan 2019 14:08

Instrument :
MSVOA_N
ClientSampled :
50138

Tot Ion	Ratio	Resp	Lower	Upper
95	100	563126		
174	90.6	0.0	183.2	
176	88.8	0.0	177.4	

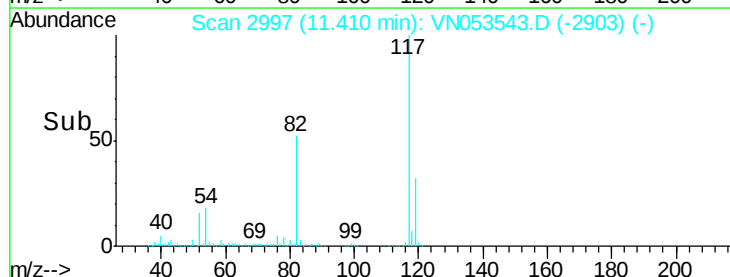
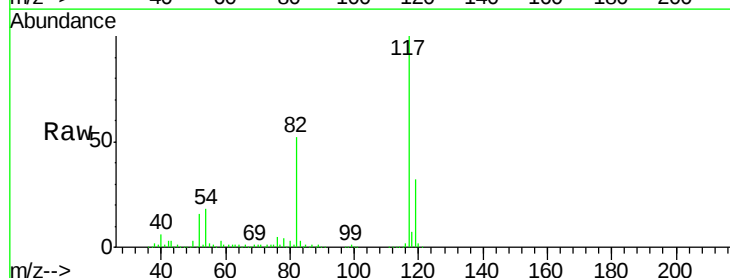
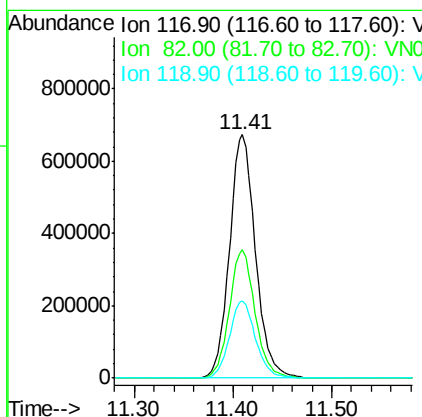
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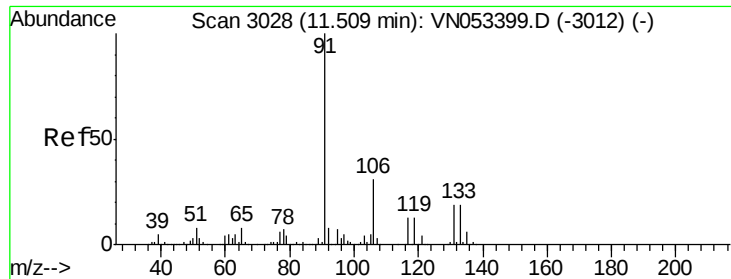
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053543.D
Acq: 28 Jan 2019 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	1235528		
82	52.5	42.9	64.3	
119	31.7	26.0	39.0	





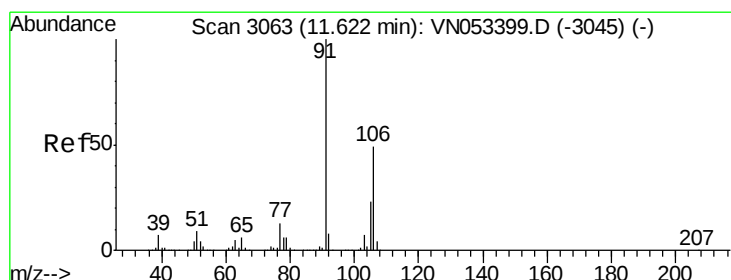
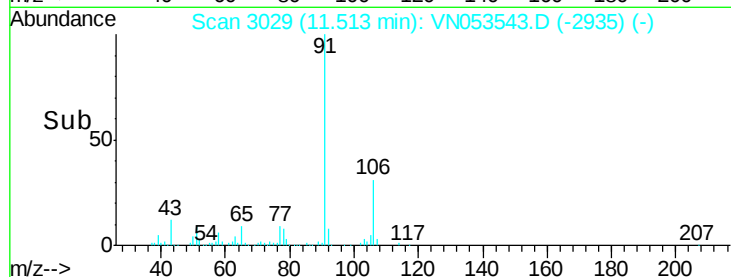
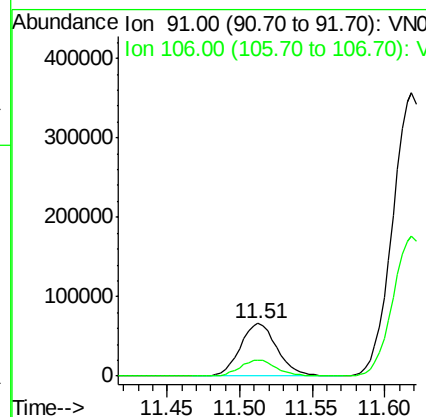
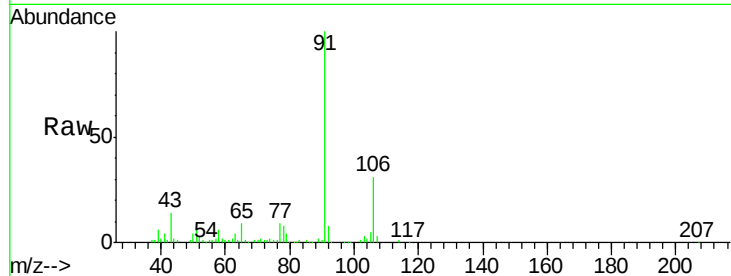
#67
Ethyl Benzene
Concen: 2.651 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053543.D
Acq: 28 Jan 2019 14:08

Instrument :
MSVOA_N
ClientSampled :
50138

Tot Ion: 91 Resp: 118141
Ion Ratio Lower Upper
91 100
106 31.2 25.0 37.6

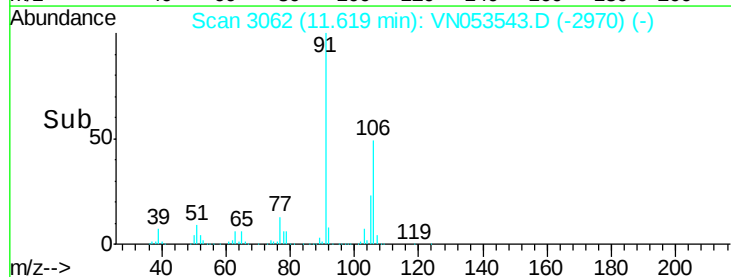
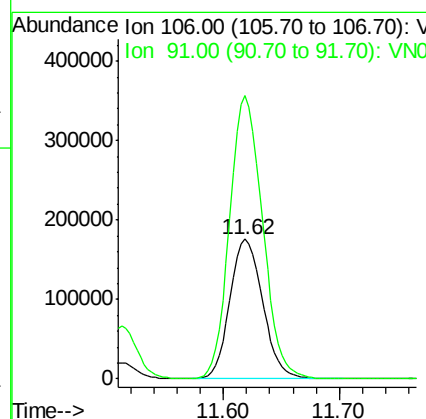
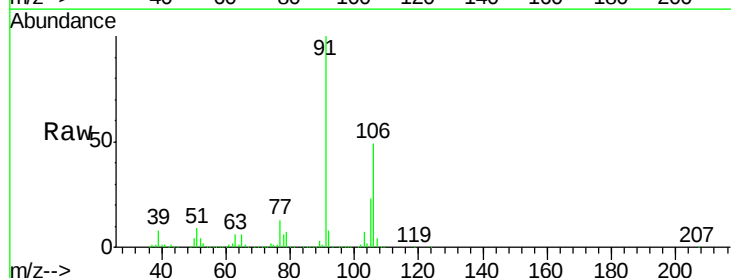
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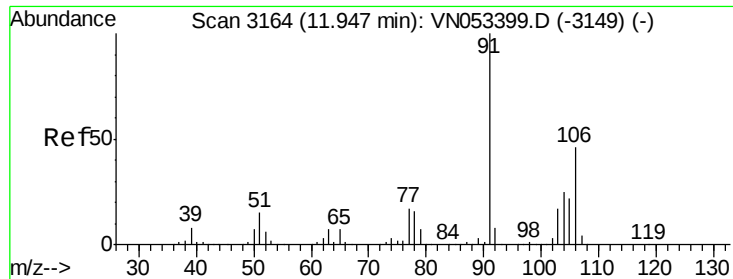
MMDadoda
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#68
m/p-Xylenes
Concen: 20.537 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053543.D
Acq: 28 Jan 2019 14:08

Tgt Ion: 106 Resp: 345593
Ion Ratio Lower Upper
106 100
91 202.6 161.4 242.2





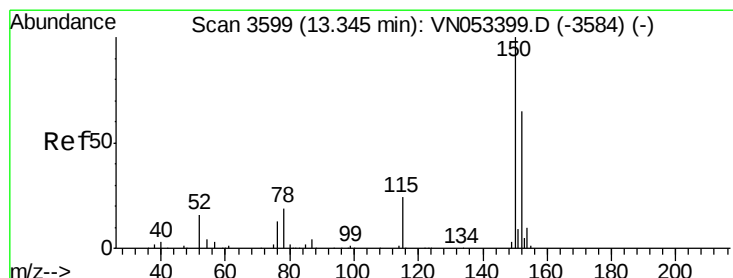
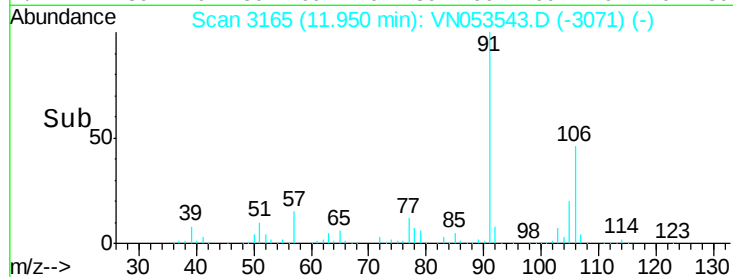
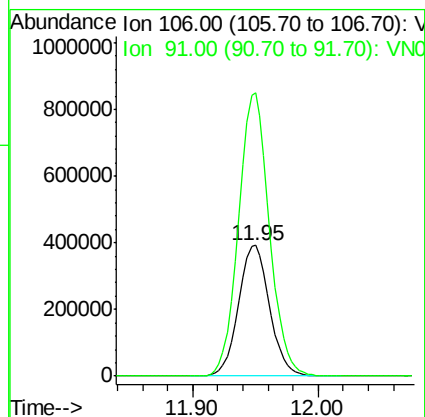
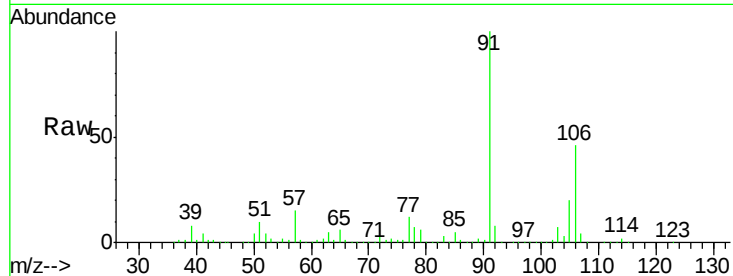
#69
o-Xylene
Concen: 41.349 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053543.D
Acq: 28 Jan 2019 14:08

Instrument :
MSVOA_N
ClientSampled :
50138

Tot Ion:106 Resp: 676103
Ion Ratio Lower Upper
106 100
91 213.6 106.9 320.8

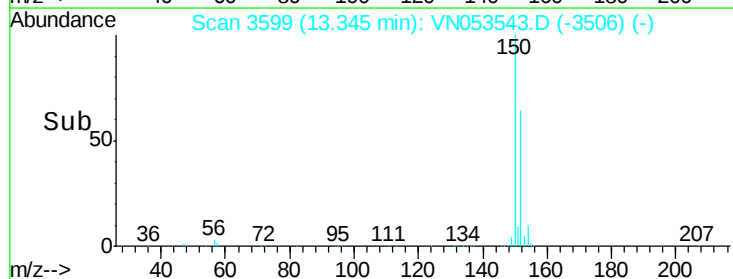
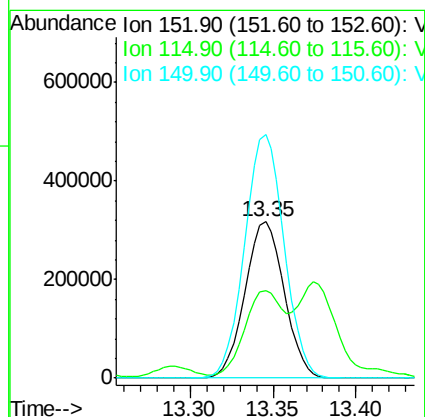
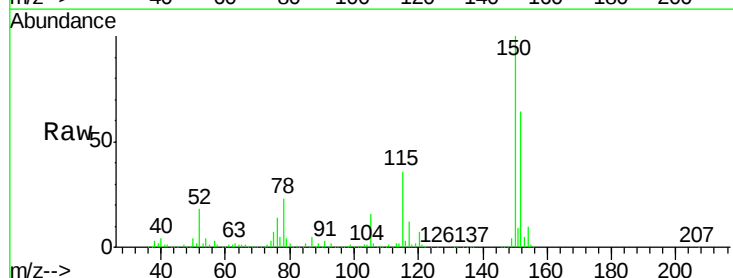
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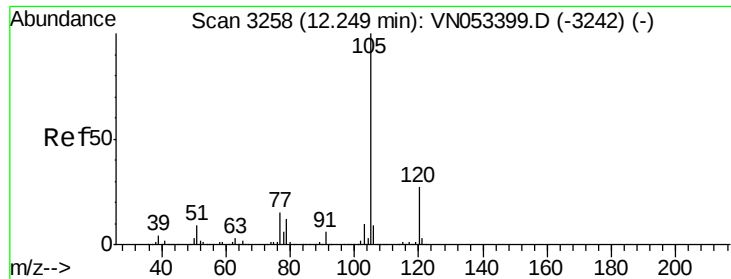
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053543.D
Acq: 28 Jan 2019 14:08

Tgt Ion:152 Resp: 522529
Ion Ratio Lower Upper
152 100
115 54.3 27.8 83.4
150 156.3 0.0 349.0





#73

Isopropylbenzene

Concen: 8.705 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053543.D

Acq: 28 Jan 2019 14:08

Instrument :

MSVOA_N

ClientSampled :

50138

Tot Ion:105 Resp: 333088

Ion Ratio Lower Upper

105 100

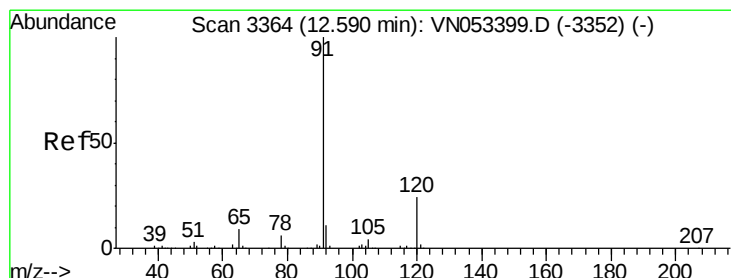
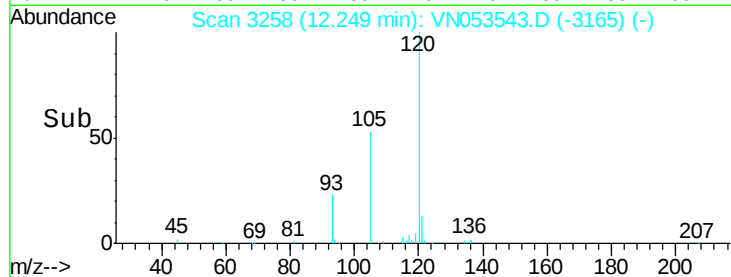
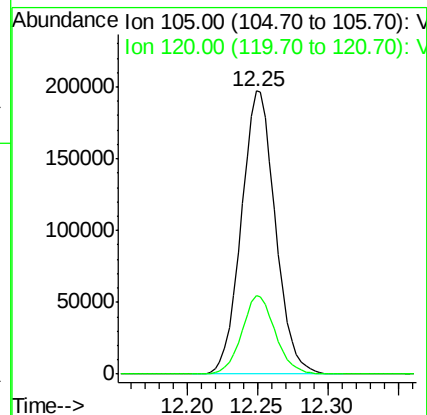
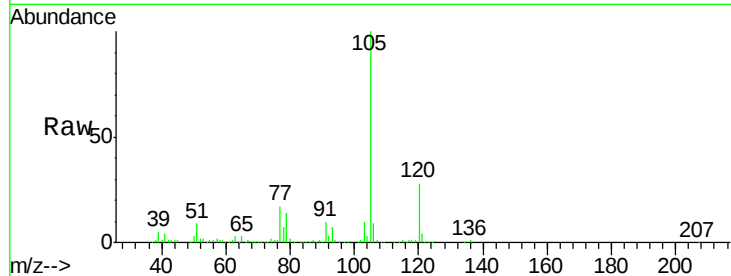
120 27.2 13.6 40.7

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#78

n-propylbenzene

Concen: 56.157 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053543.D

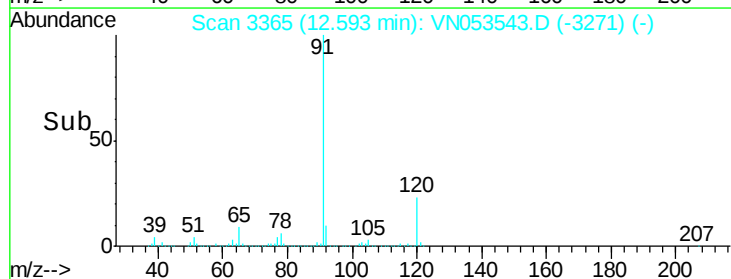
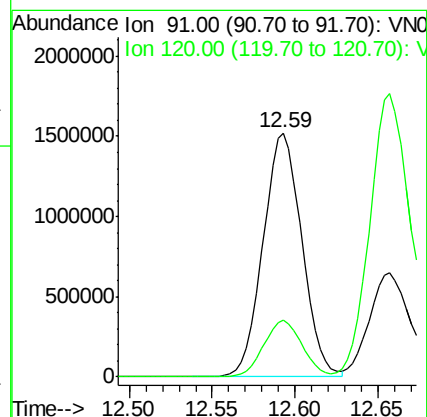
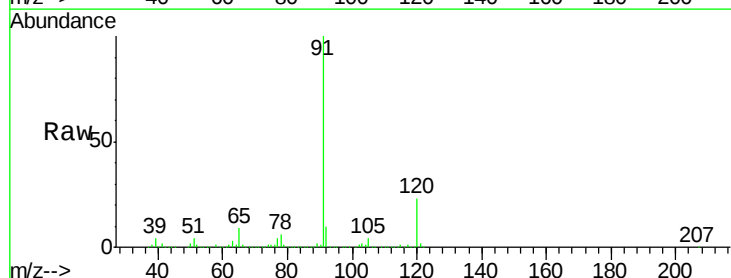
Acq: 28 Jan 2019 14:08

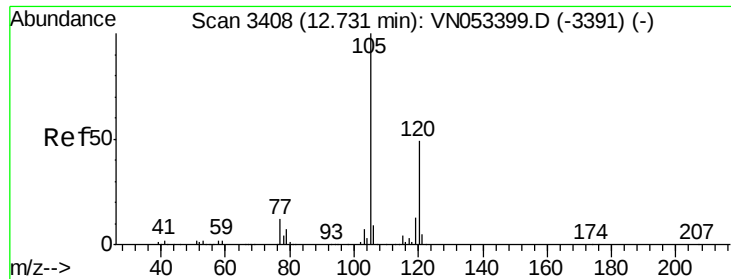
Tgt Ion: 91 Resp: 2466607

Ion Ratio Lower Upper

91 100

120 23.2 11.9 35.5





#80

1,3,5-Trimethylbenzene

Concen: 141.545 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053543.D

Acq: 28 Jan 2019 14:08

Instrument :

MSVOA_N

ClientSampleId :

50138

Tot Ion:105 Resp: 4406774

Ion Ratio Lower Upper

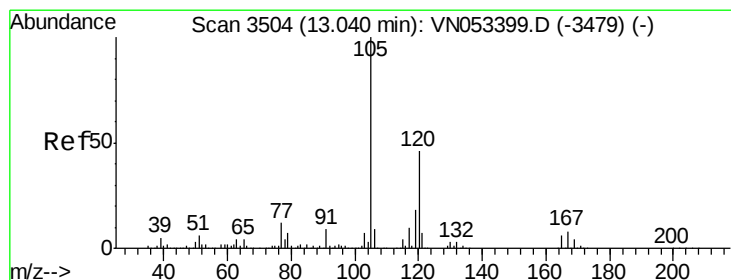
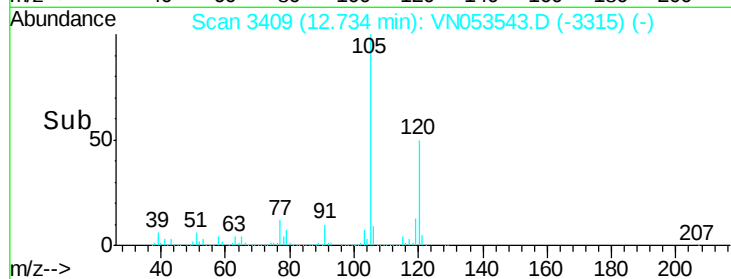
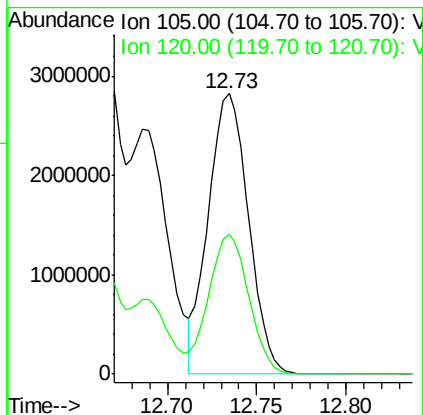
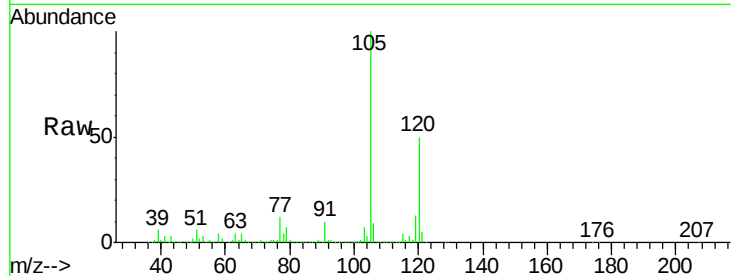
105 100

120 50.5 24.9 74.6

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#84

1,2,4-Trimethylbenzene

Concen: 570.253 ug/l m

RT: 13.03 min Scan# 3502

Delta R.T. -0.01 min

Lab File: VN053543.D

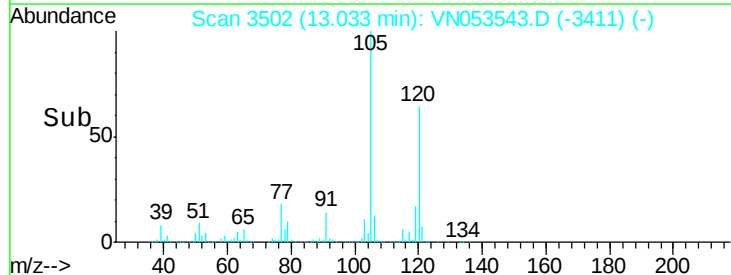
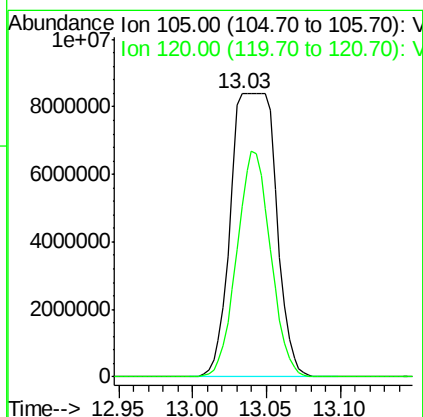
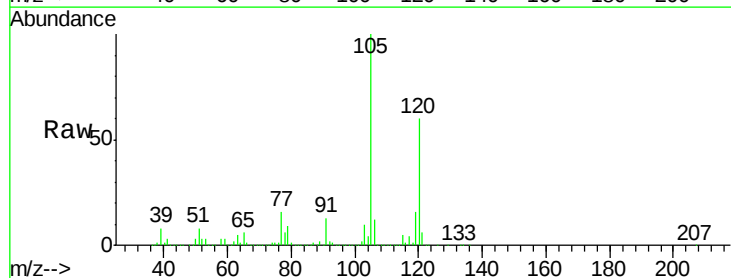
Acq: 28 Jan 2019 14:08

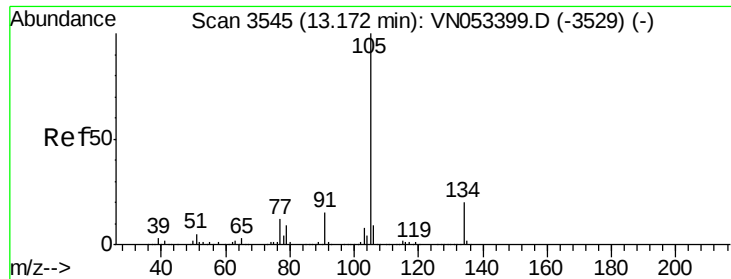
Tgt Ion:105 Resp:17901425

Ion Ratio Lower Upper

105 100

120 10.4 23.0 69.0#





#85

sec-Butylbenzene

Concen: 9.473 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053543.D

Acq: 28 Jan 2019 14:08

Instrument :

MSVOA_N

ClientSampled :

50138

Tot Ion:105 Resp: 357232

Ion Ratio Lower Upper

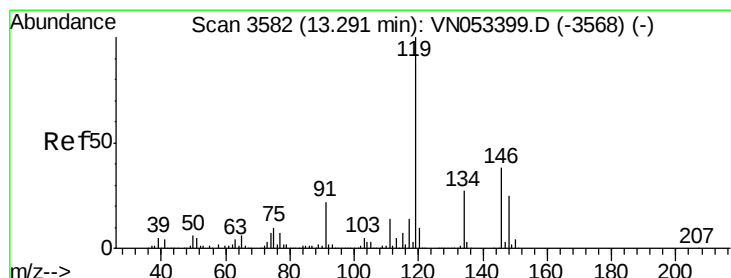
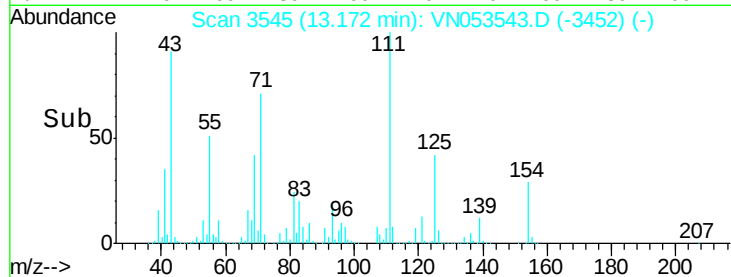
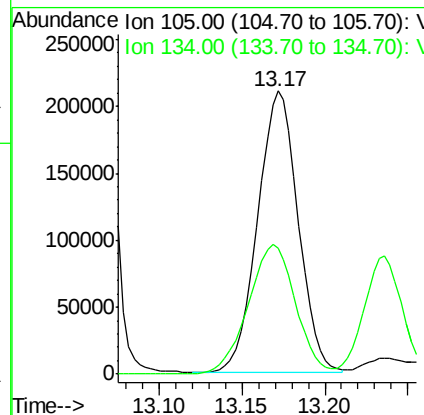
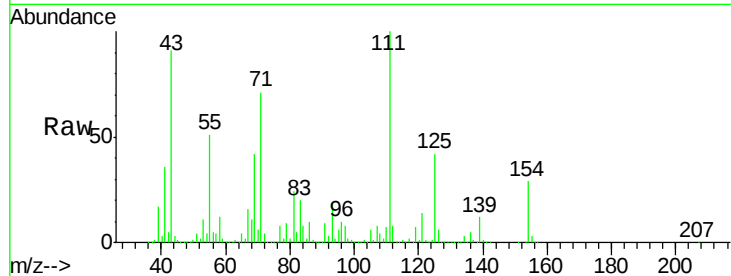
105 100

134 54.0 10.2 30.6#

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#86

p-Isopropyltoluene

Concen: 15.874 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053543.D

Acq: 28 Jan 2019 14:08

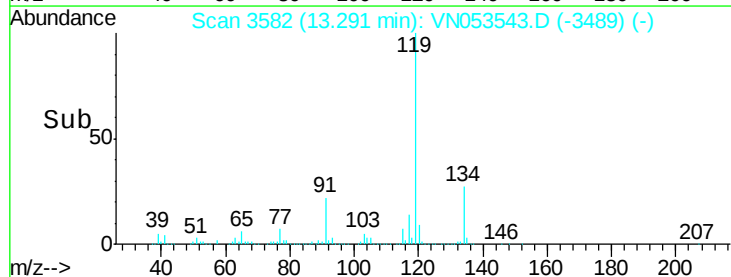
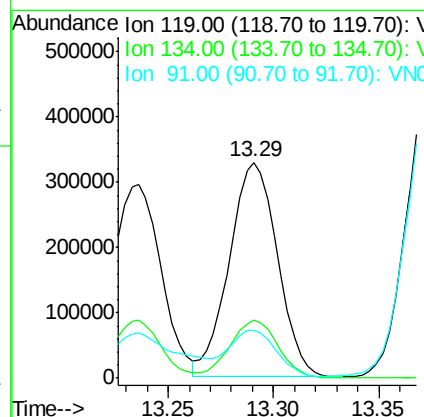
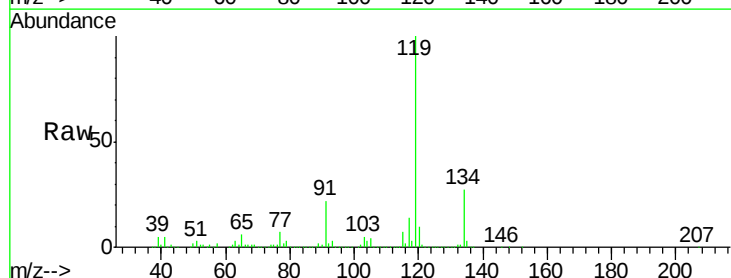
Tgt Ion:119 Resp: 519796

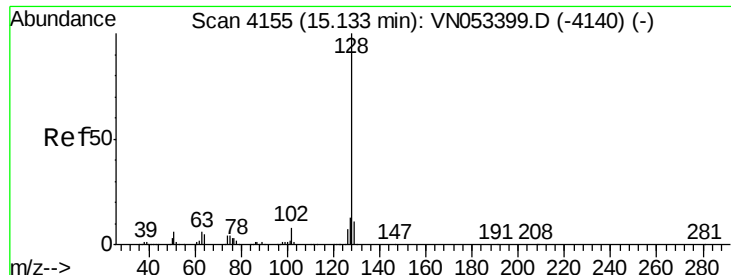
Ion Ratio Lower Upper

119 100

134 27.0 13.5 40.4

91 21.1 11.0 33.0





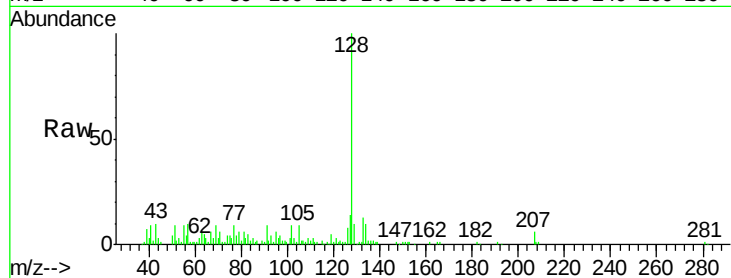
#95
Naphthalene
Concen: 8.959 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053543.D
Acq: 28 Jan 2019 14:08

Instrument :
MSVOA_N
ClientSampleId :
50138

Tot Ion	Ratio	Resp	Lower	Upper
128	100	68834		
127	13.2		10.3	15.5
129	10.6		8.6	13.0

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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

