

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071319\
 Data File : VN056690.D
 Acq On : 12 Jul 2019 15:54
 Operator : JC/SP
 Sample : K3781-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 390711760.3-VOA

Manual Integrations
 APPROVED

MMDadoda
 7/16/2019 9:56:19 AM

Quant Time: Jul 13 00:38:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 12 23:58:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	49580	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	274699	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	229299	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	104546	31.13	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.77%
60) 4-Bromofluorobenzene	12.40	95	93821	26.74	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	89.13%
63) Toluene-d8	10.09	98	323431	30.87	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.90%

Target Compounds

					Ovalue
8) Diethyl Ether	3.40	74	3684m	1.895	ug/l
15) Acetone	3.81	58	8292m	13.931	ug/l
23) tert-Butyl Alcohol	4.78	59	997345	1658.095	ug/l # 100
24) Methyl tert-Butyl Ether	5.04	73	13396m	1.436	ug/l
45) 1,4-Dioxane	9.20	88	2453	34.028	ug/l # 83
67) m/p-Xylenes	11.62	106	6543	1.191	ug/l 97
68) o-Xylene	11.94	106	8242	1.538	ug/l 95
70) Isopropylbenzene	12.25	105	5200	0.370	ug/l 98
76) 1,3,5-Trimethylbenzene	12.73	105	4288	0.358	ug/l 93
80) 1,2,4-Trimethylbenzene	13.04	105	4249	0.358	ug/l 90
84) 1,4-Dichlorobenzene	13.36	146	11036	1.882	ug/l 99

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

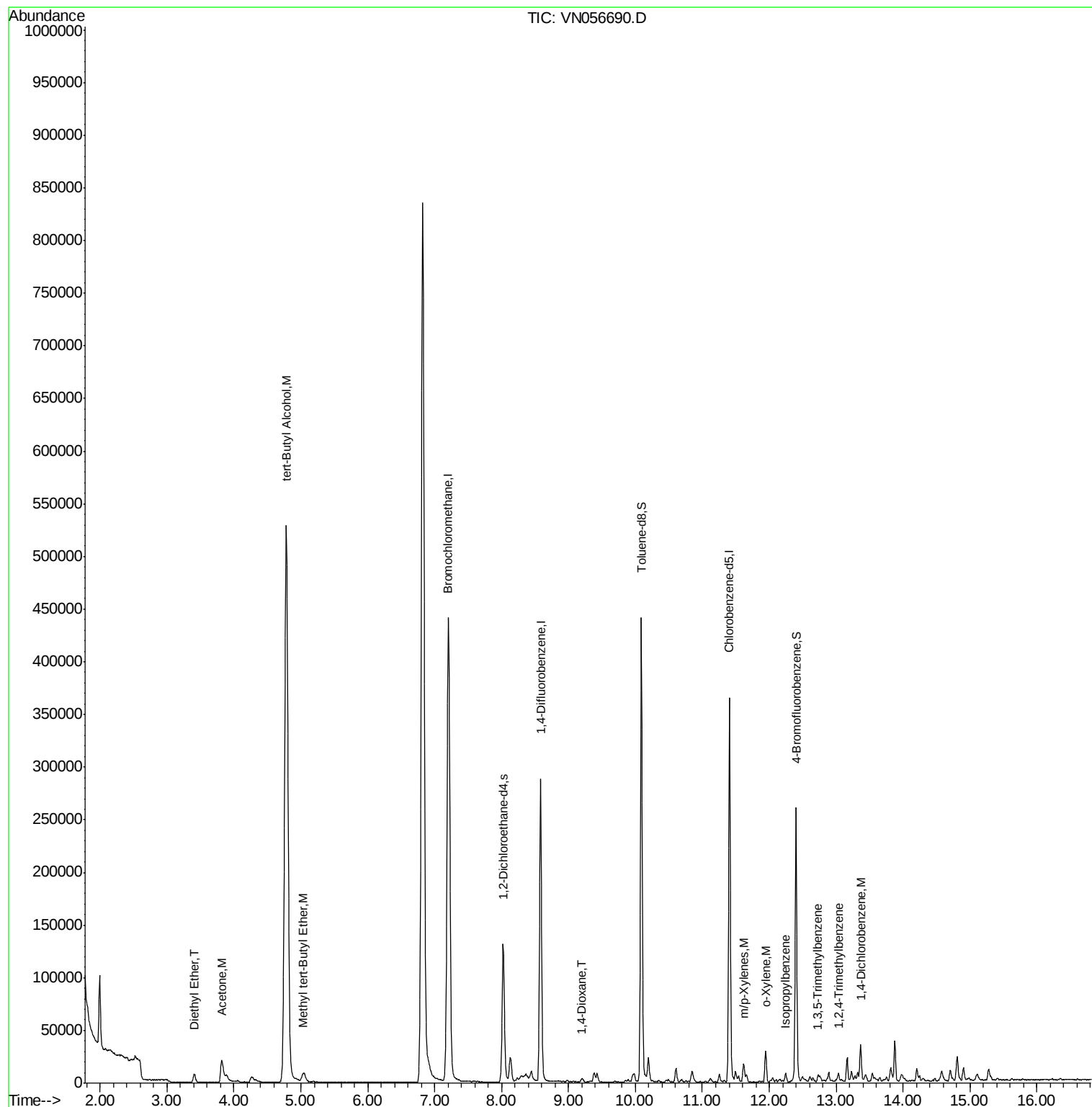
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071319\
Data File : VN056690.D
Acq On : 12 Jul 2019 15:54
Operator : JC/SP
Sample : K3781-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 16 Sample Multiplier: 1

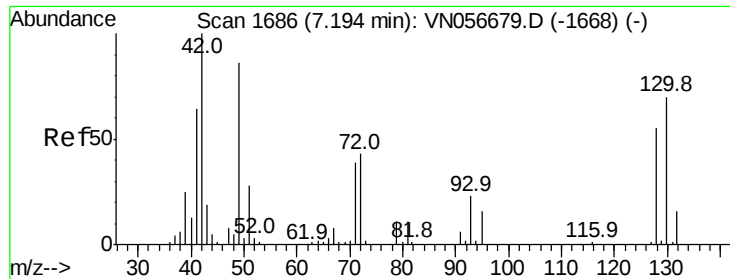
Instrument :
MSVOA_N
ClientSampleId :
390711760.3-VOA

Manual Integrations
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7/16/2019 9:56:19 AM

Quant Time: Jul 13 00:38:49 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N071319W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jul 12 23:58:13 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. -0.00 min

Lab File: VN056690.D

Acq: 12 Jul 2019 15:54

Instrument :

MSVOA_N

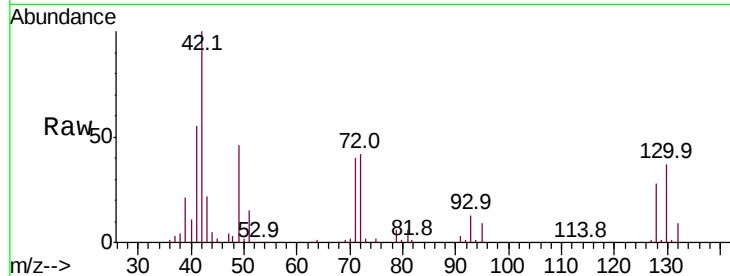
ClientSampleId :

390711760.3-VOA

Tot Ion:	128	Resp:	49580
Ion	Ratio	Lower	Upper
128	100		
49	160.4	0.0	390.5
130	131.4	0.0	316.5

Manual Integrations
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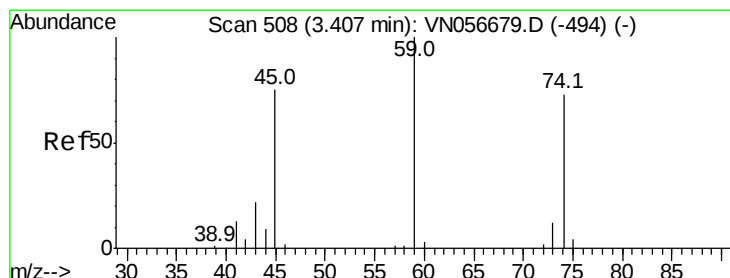
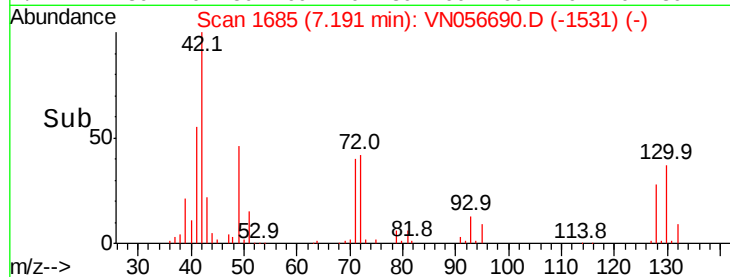
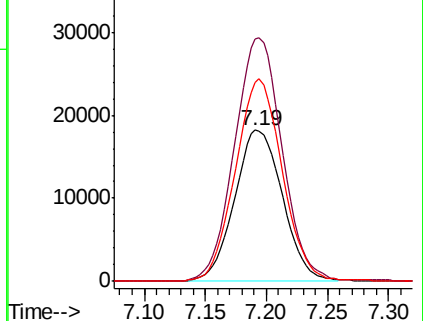
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VNO

Ion 130.00 (129.70 to 130.70): V



#8

Diethyl Ether

Concen: 1.895 ug/l m

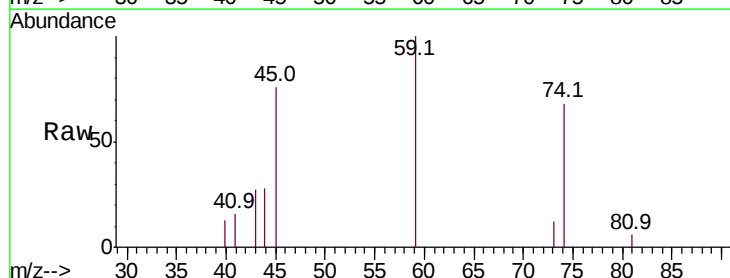
RT: 3.40 min Scan# 507

Delta R.T. -0.00 min

Lab File: VN056690.D

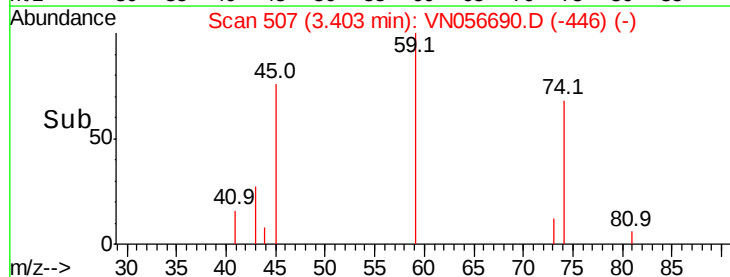
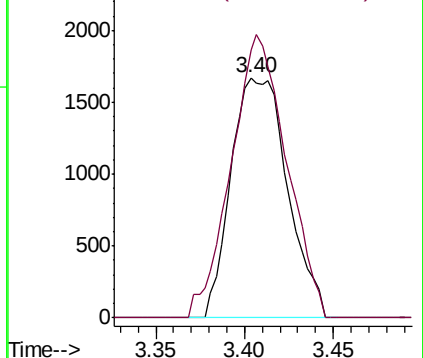
Acq: 12 Jul 2019 15:54

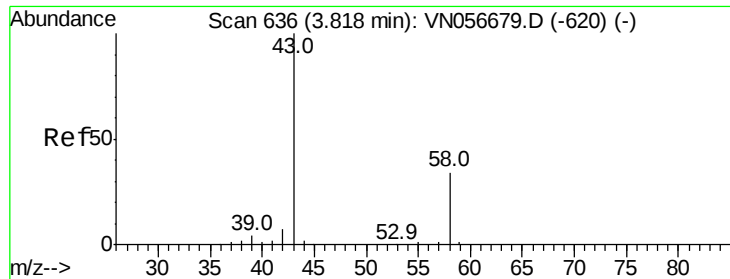
Tgt Ion:	74	Resp:	3684
Ion	Ratio	Lower	Upper
74	100		
45	115.5	19.9	179.5



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





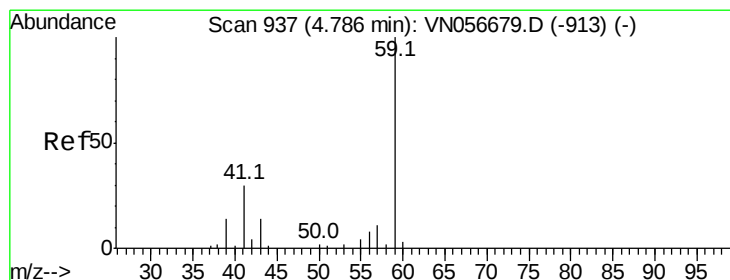
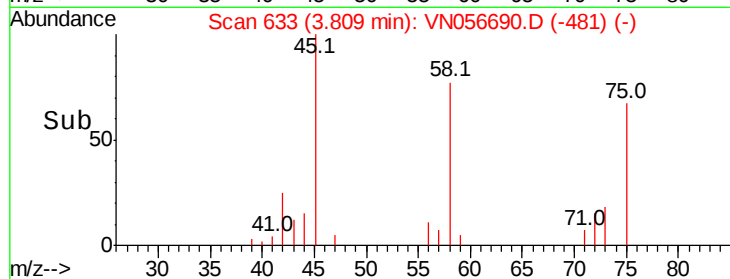
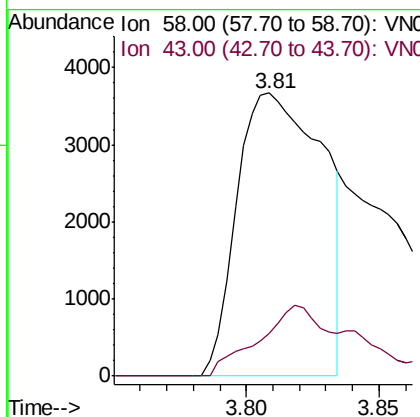
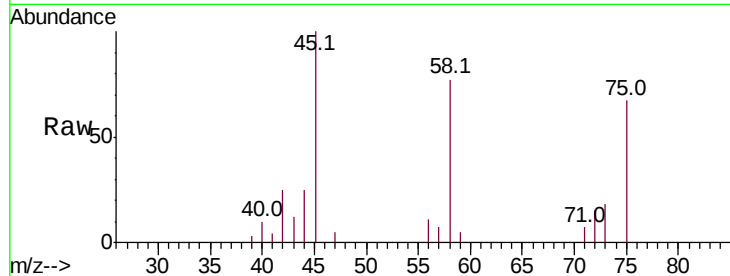
#15
Acetone
Concen: 13.931 ug/l m
RT: 3.81 min Scan# 633
Delta R.T. -0.01 min
Lab File: VN056690.D
Acq: 12 Jul 2019 15:54

Instrument :
MSVOA_N
ClientSampleId :
390711760.3-VOA

Tot Ion: 58 Resp: 8292
Ion Ratio Lower Upper
58 100
43 15.0 233.9 350.9#

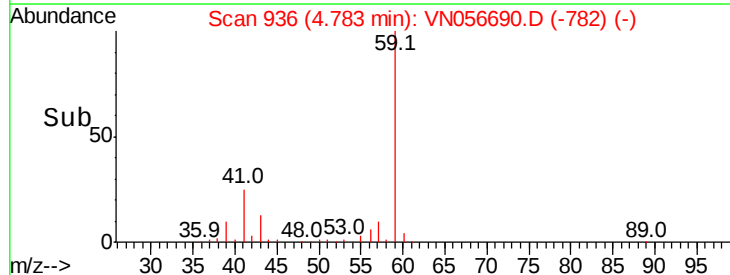
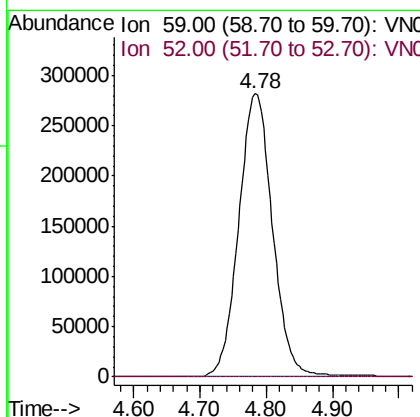
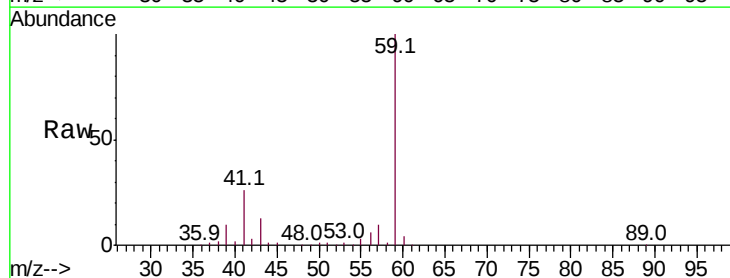
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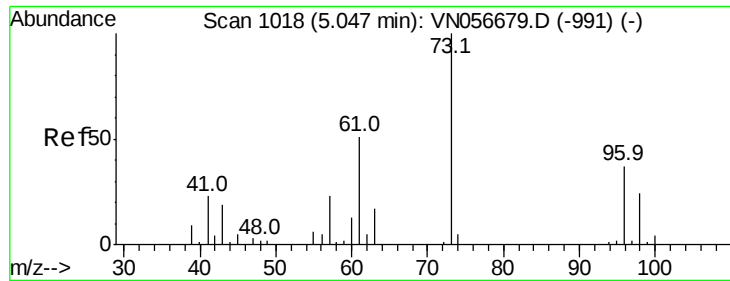
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#23
tert-Butyl Alcohol
Concen: 1658.095 ug/l
RT: 4.78 min Scan# 936
Delta R.T. -0.00 min
Lab File: VN056690.D
Acq: 12 Jul 2019 15:54

Tgt Ion: 59 Resp: 997345
Ion Ratio Lower Upper
59 100
52 0.2 0.1 0.1#





#24

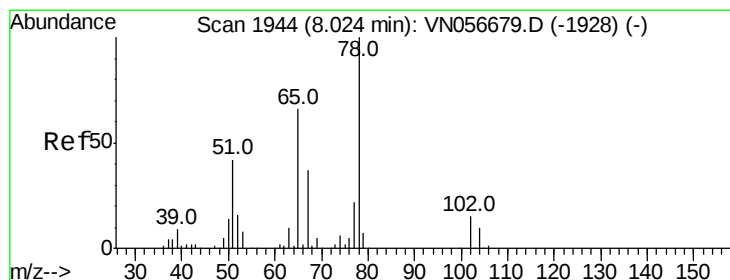
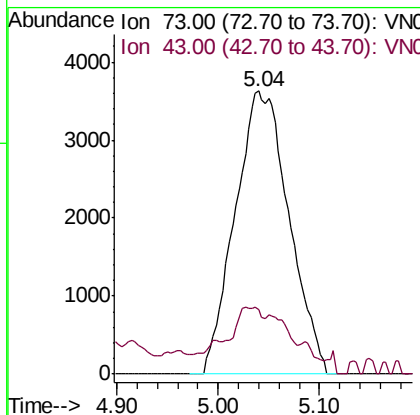
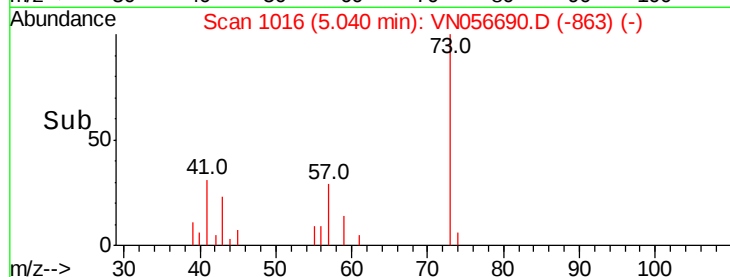
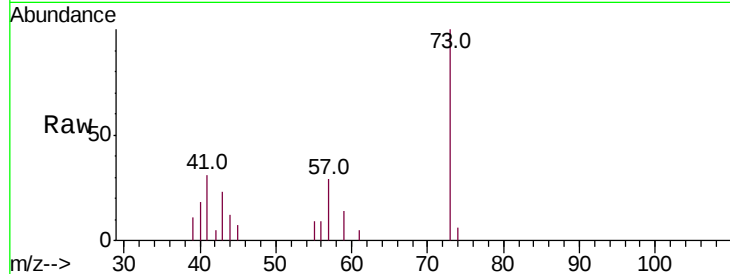
Methyl tert-Butyl Ether
 Concen: 1.436 ug/l m
 RT: 5.04 min Scan# 1016
 Delta R.T. -0.01 min
 Lab File: VN056690.D
 Acq: 12 Jul 2019 15:54

Instrument :
 MSVOA_N
 ClientSampleId :
 390711760.3-VOA

Tot Ion: 73 Resp: 13396
 Ion Ratio Lower Upper
 73 100
 43 2.6 15.1 22.7#

Manual Integrations
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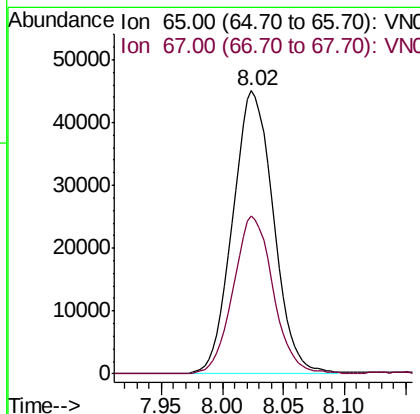
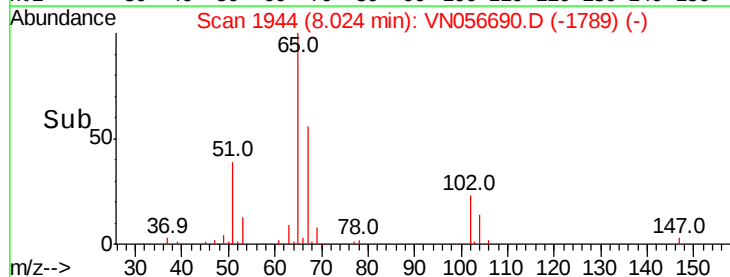
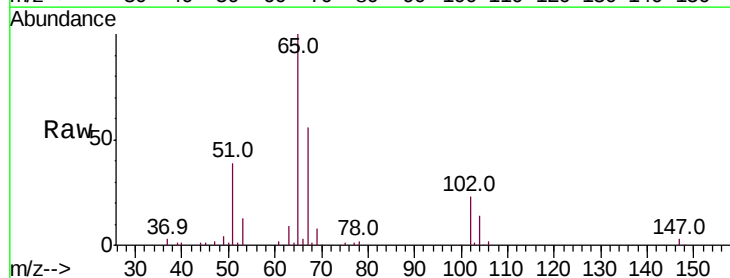
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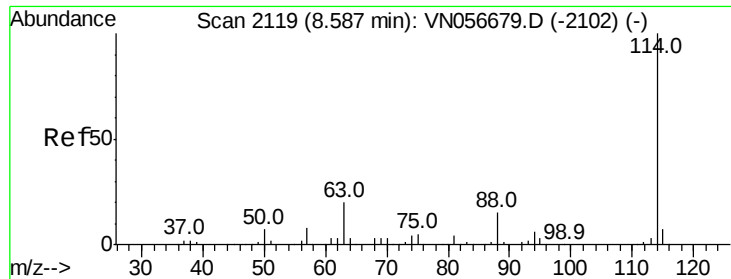


#27

1,2-Dichloroethane-d4
 Concen: 31.129 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN056690.D
 Acq: 12 Jul 2019 15:54

Tgt Ion: 65 Resp: 104546
 Ion Ratio Lower Upper
 65 100
 67 54.4 43.4 65.0





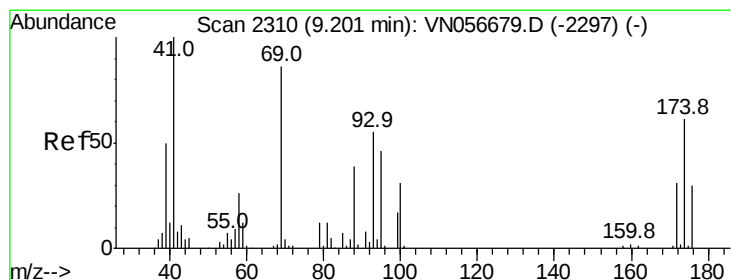
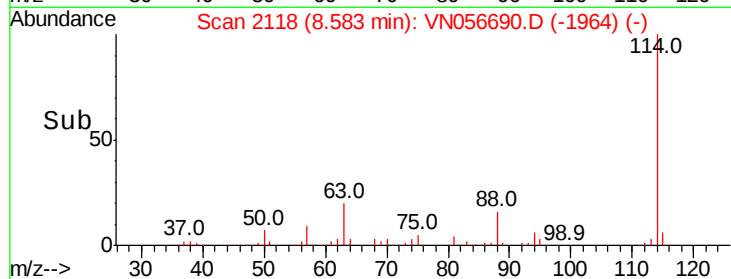
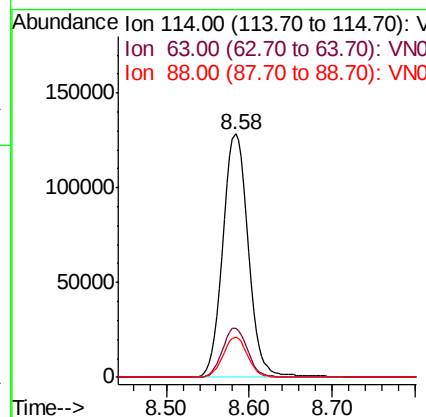
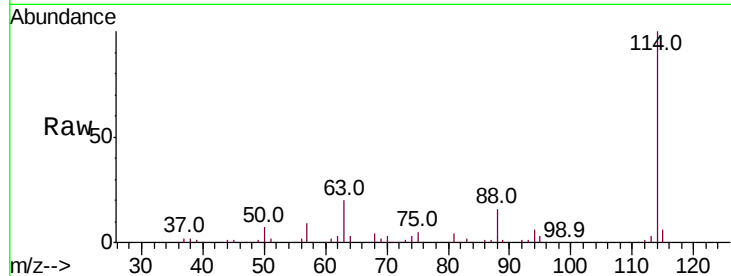
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN056690.D
 Acq: 12 Jul 2019 15:54

Instrument :
 MSVOA_N
 ClientSampleId :
 390711760.3-VOA

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.9	16.2	24.2
88	15.7	12.3	18.5

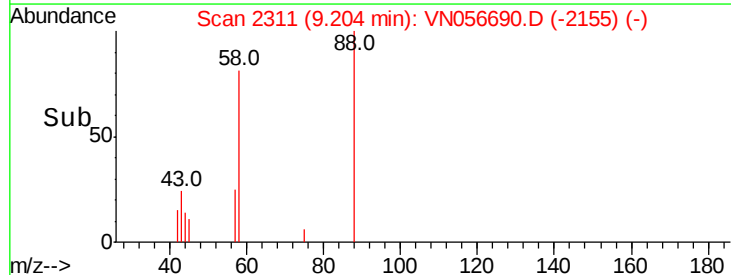
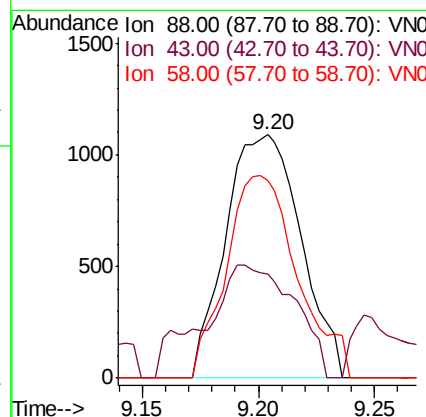
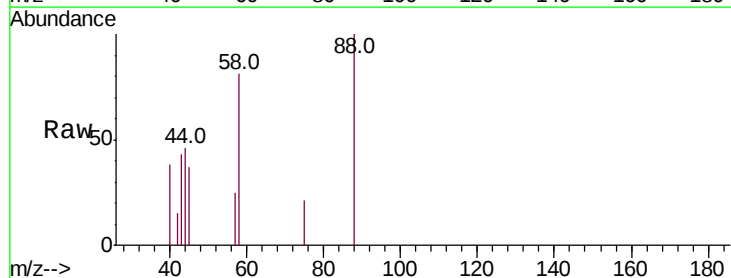
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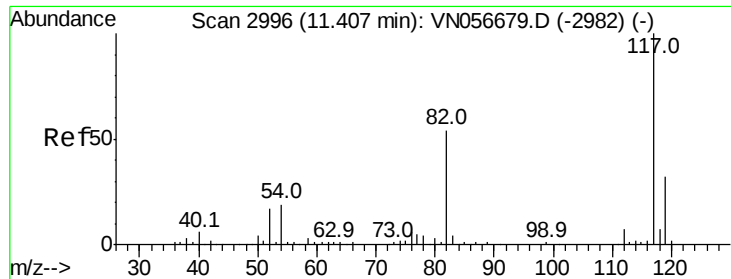
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#45
 1,4-Dioxane
 Concen: 34.028 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN056690.D
 Acq: 12 Jul 2019 15:54

Tgt Ion	Ratio	Lower	Upper
88	100		
43	46.4	23.0	34.6#
58	75.9	54.6	81.8





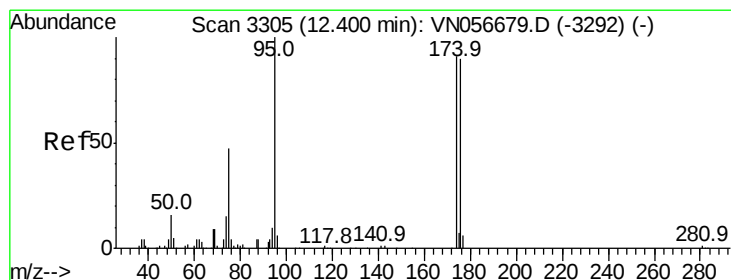
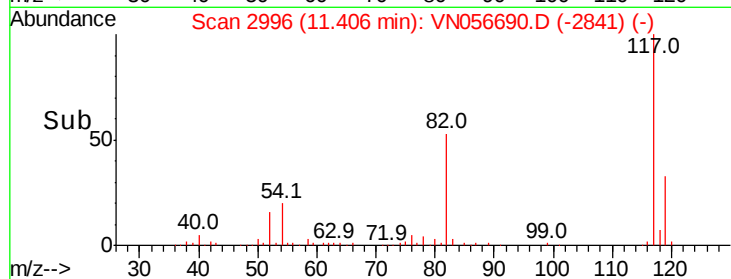
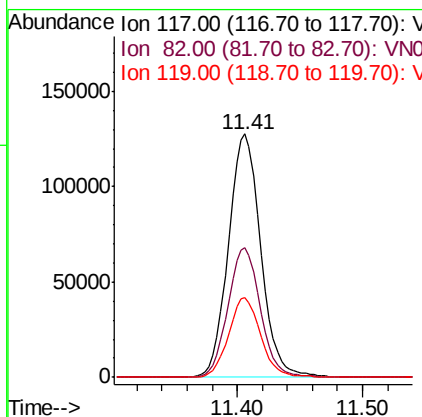
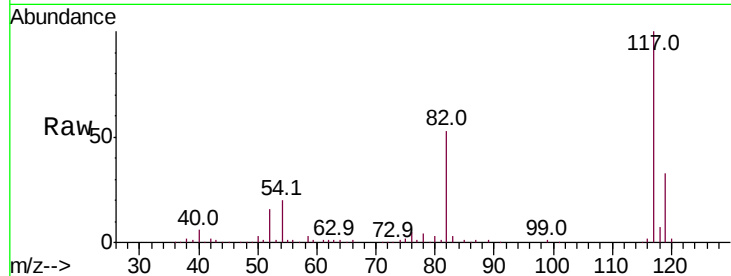
#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. -0.00 min
 Lab File: VN056690.D
 Acq: 12 Jul 2019 15:54

Instrument :
 MSVOA_N
 ClientSampleId :
 390711760.3-VOA

Tot Ion:	117	Resp:	229299
Ion Ratio	Lower	Upper	
117	100		
82	53.4	43.0	64.4
119	32.4	26.0	39.0

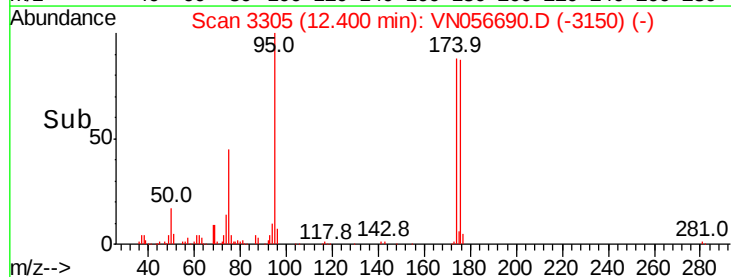
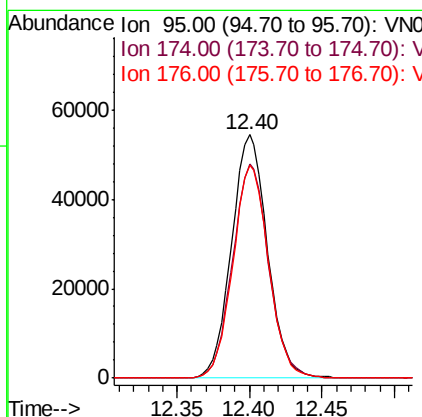
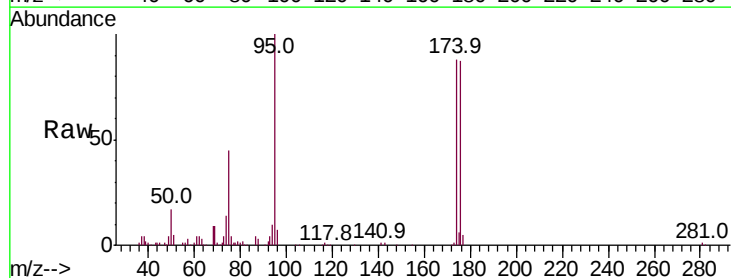
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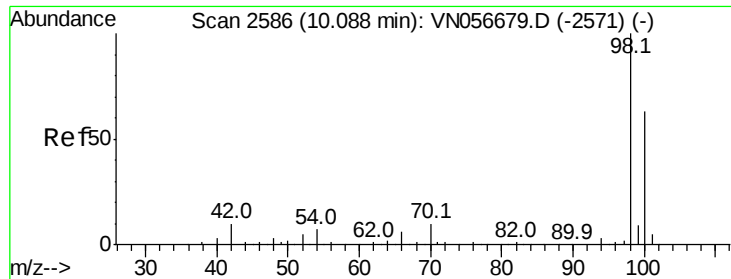
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#60
 4-Bromofluorobenzene
 Concen: 26.735 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN056690.D
 Acq: 12 Jul 2019 15:54

Tgt Ion:	95	Resp:	93821
Ion Ratio	Lower	Upper	
95	100		
174	88.2	72.6	108.8
176	86.7	71.0	106.6





#63

Toluene-d8

Concen: 30.871 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN056690.D

Acq: 12 Jul 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

390711760.3-VOA

Tot Ion: 98 Resp: 323431

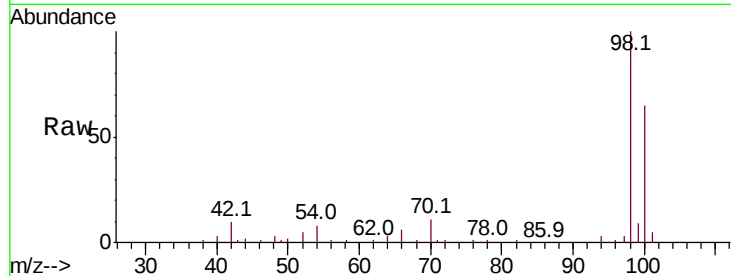
Ion Ratio Lower Upper

98 100

100 64.2 51.1 76.7

Manual Integrations
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Abundance Ion 98.00 (97.70 to 98.70): VN056679.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN056679.D (-2571) (-)

10.09

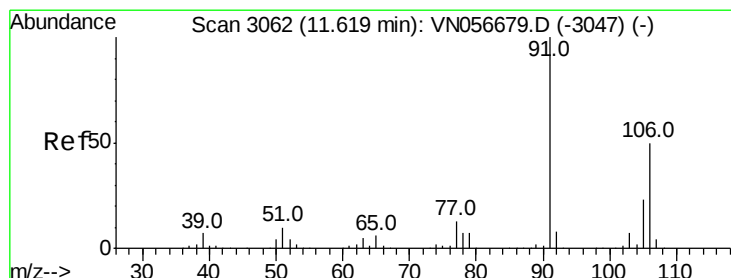
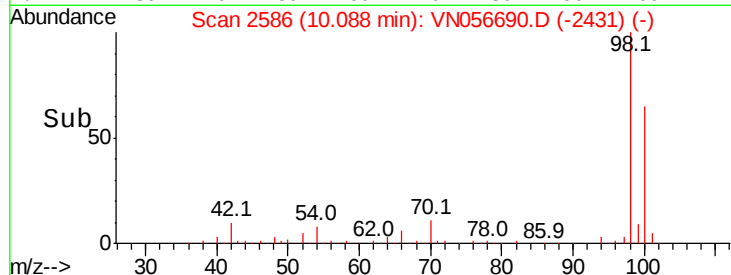
150000

100000

50000

0

Time-->



#67

m/p-Xylenes

Concen: 1.191 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN056690.D

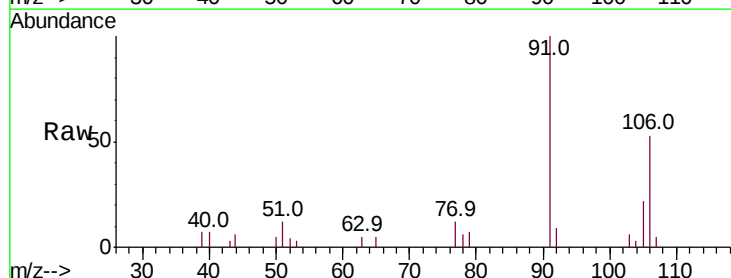
Acq: 12 Jul 2019 15:54

Tgt Ion: 106 Resp: 6543

Ion Ratio Lower Upper

106 100

91 197.7 161.8 242.8



Abundance Ion 106.00 (105.70 to 106.70): VN056679.D (-3047) (-)

Ion 91.00 (90.70 to 91.70): VN056679.D (-3047) (-)

11.62

8000

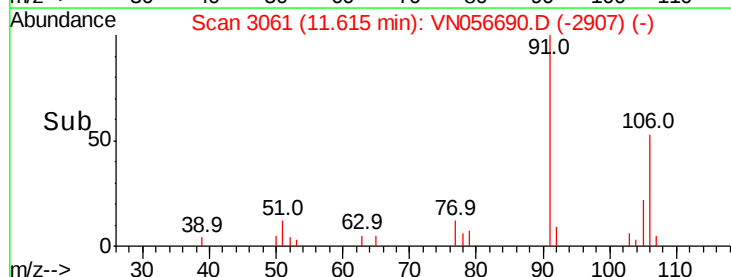
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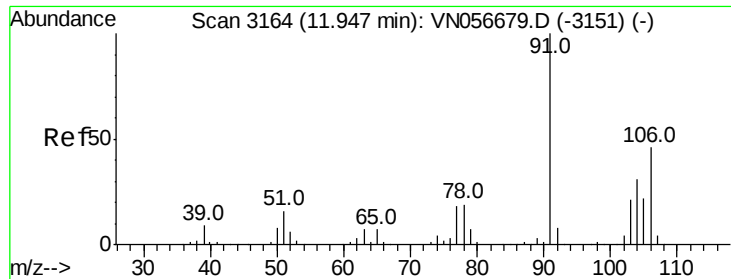
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Time-->





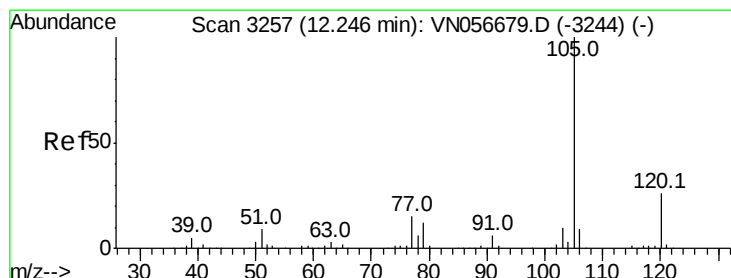
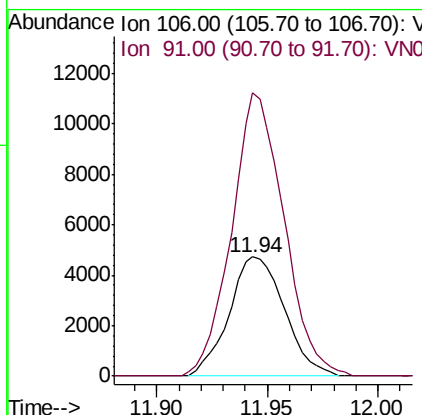
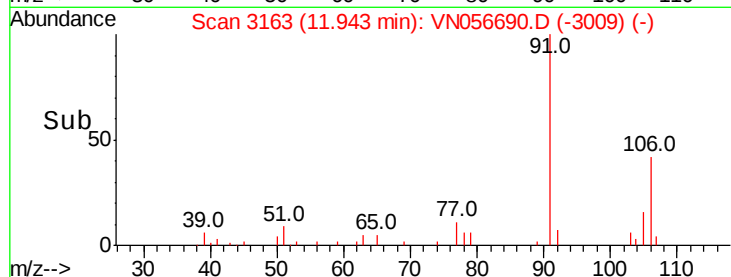
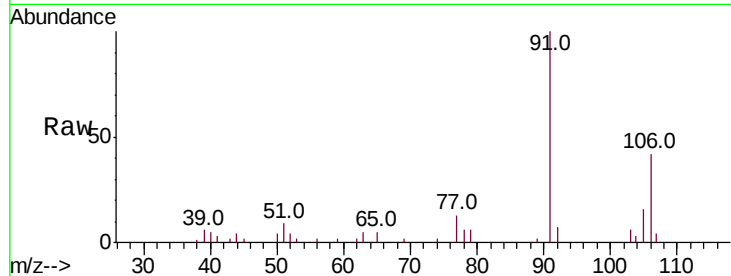
#68
o-Xylene
Concen: 1.538 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN056690.D
Acq: 12 Jul 2019 15:54

Instrument :
MSVOA_N
ClientSampleId :
390711760.3-VOA

Tot Ion:106 Resp: 8242
Ion Ratio Lower Upper
106 100
91 224.2 108.1 324.2

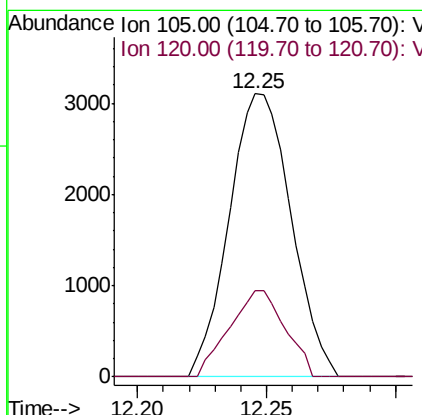
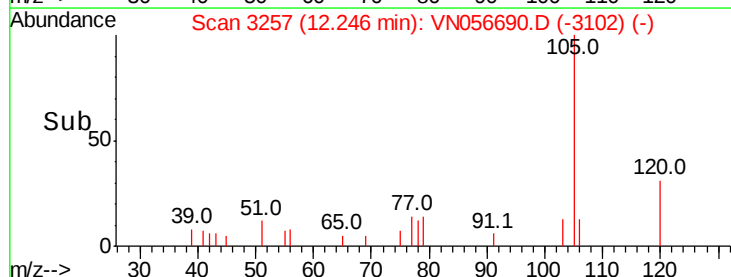
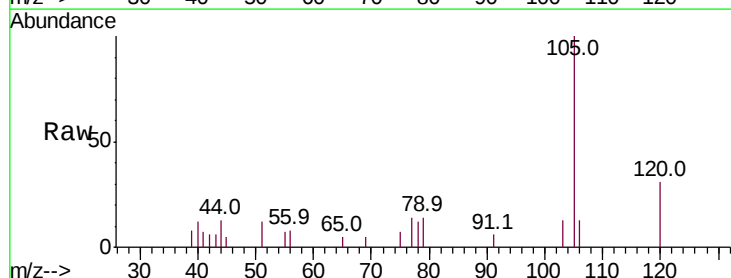
Manual Integrations
APPROVED

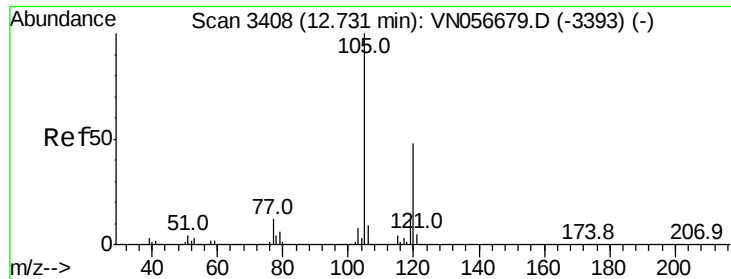
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7/16/2019 9:56:19 AM



#70
Isopropylbenzene
Concen: 0.370 ug/l
RT: 12.25 min Scan# 3257
Delta R.T. -0.00 min
Lab File: VN056690.D
Acq: 12 Jul 2019 15:54

Tgt Ion:105 Resp: 5200
Ion Ratio Lower Upper
105 100
120 27.4 18.6 34.5





#76

1,3,5-Trimethylbenzene

Concen: 0.358 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN056690.D

Acq: 12 Jul 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

390711760.3-VOA

Tot Ion:105 Resp: 4288

Ion Ratio Lower Upper

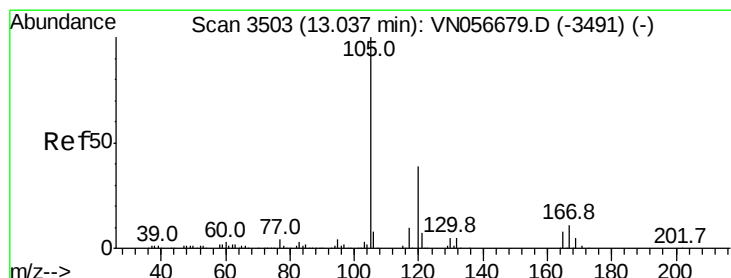
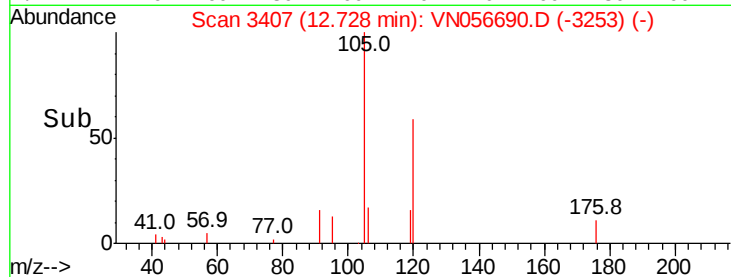
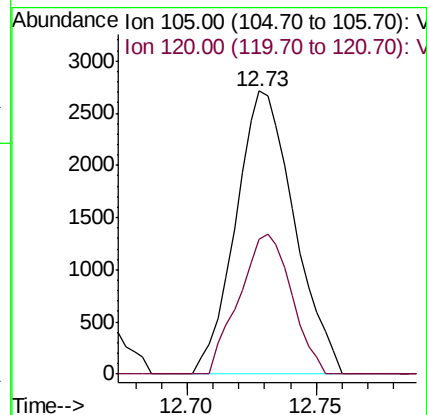
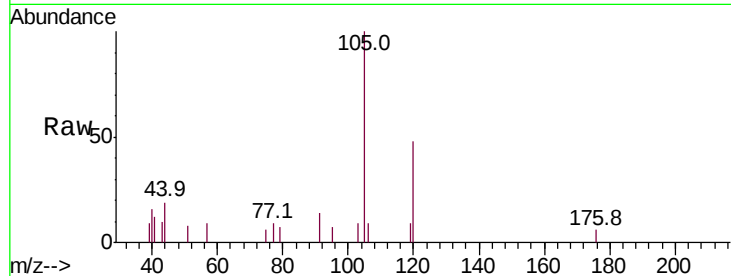
105 100

120 44.2 0.0 97.6

Manual Integrations
APPROVED

MMDadoda

7/16/2019 9:56:19 AM



#80

1,2,4-Trimethylbenzene

Concen: 0.358 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN056690.D

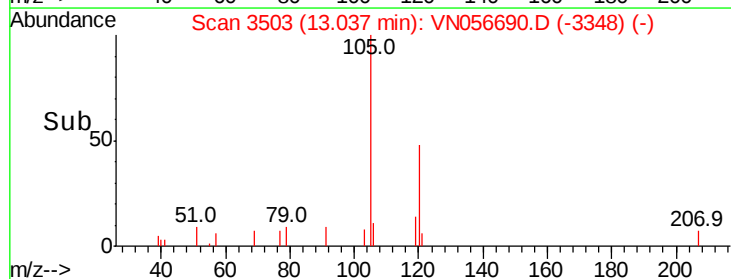
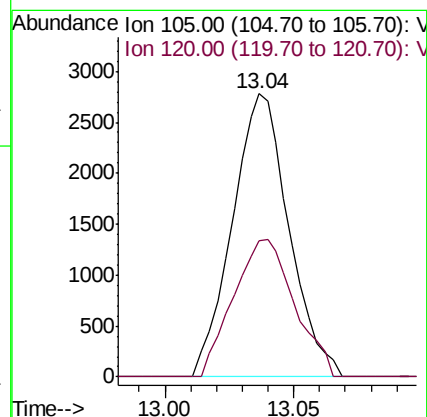
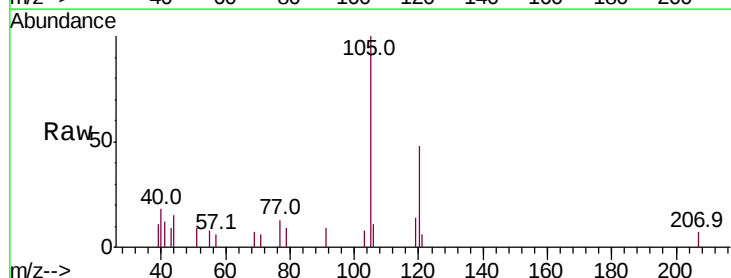
Acq: 12 Jul 2019 15:54

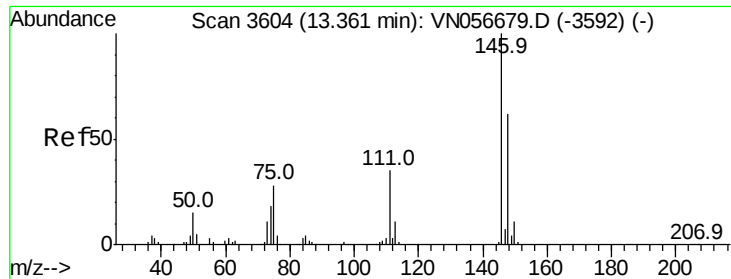
Tgt Ion:105 Resp: 4249

Ion Ratio Lower Upper

105 100

120 52.5 0.0 91.2





#84

1,4-Dichlorobenzene

Concen: 1.882 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN056690.D

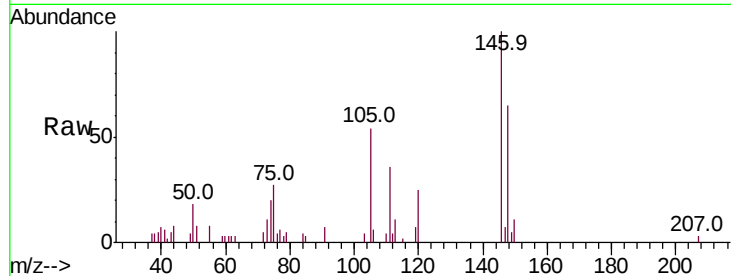
Acq: 12 Jul 2019 15:54

Instrument :

MSVOA_N

ClientSampleId :

390711760.3-VOA



Tot Ion:	146	Resp:	11036
Ion Ratio	Lower	Upper	
146	100		
111	34.6	17.8	53.4
148	64.6	31.9	95.5

Manual Integrations
APPROVED

MMDadoda
7/16/2019 9:56:19 AM

