

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071319\
 Data File : VN056691.D
 Acq On : 12 Jul 2019 16:17
 Operator : JC/SP
 Sample : K3780-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 390711763.1-VOA

Manual Integrations
 APPROVED

MMDadoda
 7/16/2019 9:56:15 AM

Quant Time: Jul 16 09:55:44 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	49829	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	270134	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	224826	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.03	65	105394	31.23	ug/l	0.00
Spiked Amount 30.000	Range 50 - 169		Recovery	=	104.10%	
60) 4-Bromofluorobenzene	12.40	95	91527	26.60	ug/l	0.00
Spiked Amount 30.000	Range 56 - 143		Recovery	=	88.67%	
63) Toluene-d8	10.09	98	319994	31.15	ug/l	0.00
Spiked Amount 30.000	Range 66 - 137		Recovery	=	103.83%	
Target Compounds						
8) Diethyl Ether	3.41	74	4829	2.472	ug/l	99
23) tert-Butyl Alcohol	4.79	59	1031674	1706.596	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	13951m	1.488	ug/l	
45) 1,4-Dioxane	9.20	88	2436	34.363	ug/l #	93
67) m/p-Xylenes	11.62	106	6460	1.199	ug/l	90
68) o-Xylene	11.95	106	9315	1.773	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	4343	0.370	ug/l	95
80) 1,2,4-Trimethylbenzene	13.04	105	4484	0.385	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	11172	1.943	ug/l	92

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

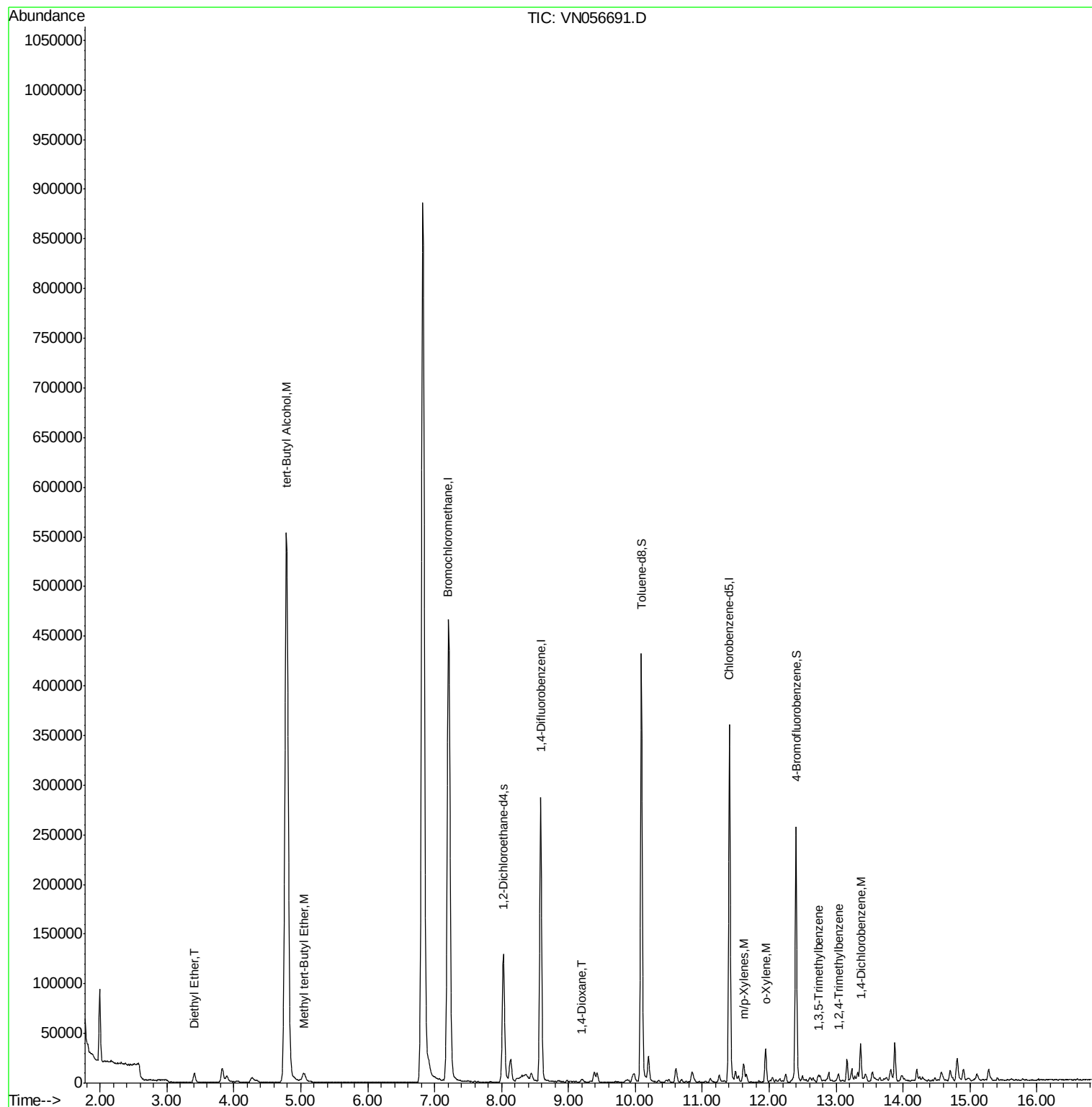
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071319\
Data File : VN056691.D
Acq On : 12 Jul 2019 16:17
Operator : JC/SP
Sample : K3780-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 17 Sample Multiplier: 1

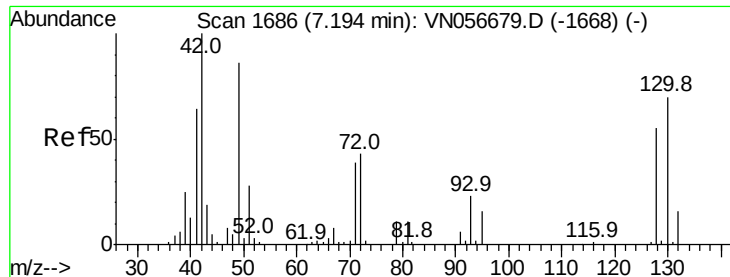
Instrument :
MSVOA_N
ClientSampleId :
390711763.1-VOA

Manual Integrations
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7/16/2019 9:56:15 AM

Quant Time: Jul 16 09:55:44 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





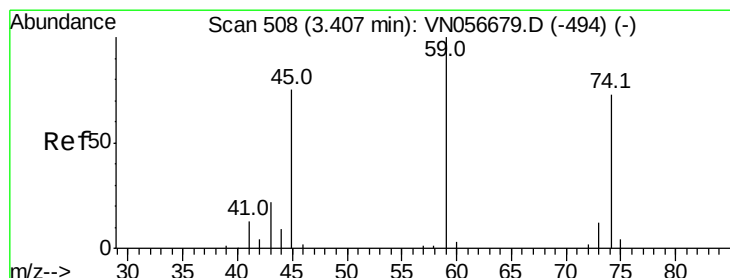
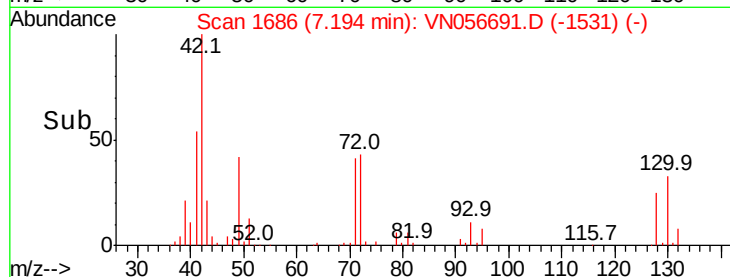
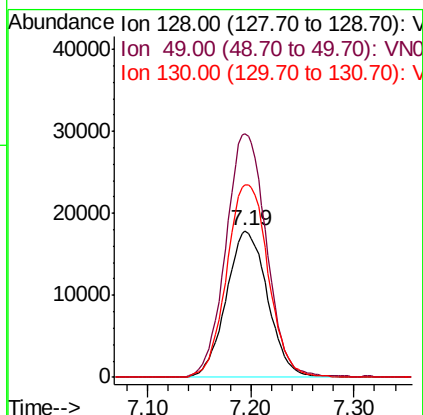
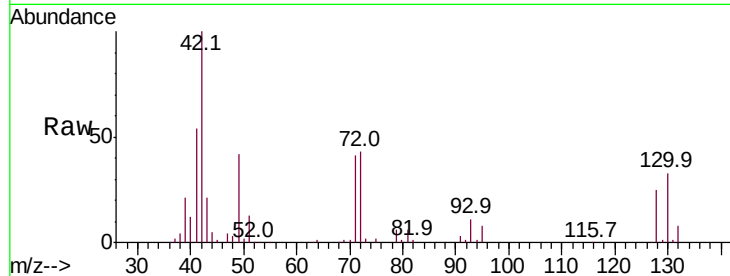
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN056691.D
Acq: 12 Jul 2019 16:17

Instrument :
MSVOA_N
ClientSampleId :
390711763.1-VOA

Tot Ion	Ratio	Lower	Upper
128	100		
49	163.1	0.0	390.5
130	132.3	0.0	316.5

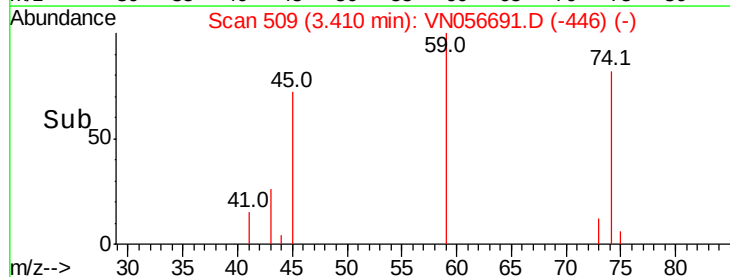
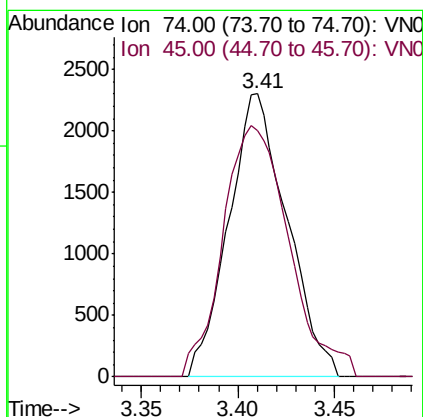
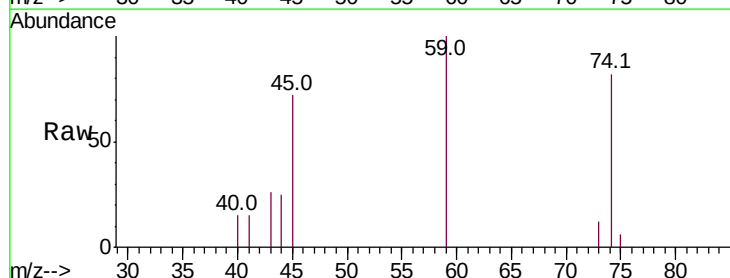
Manual Integrations
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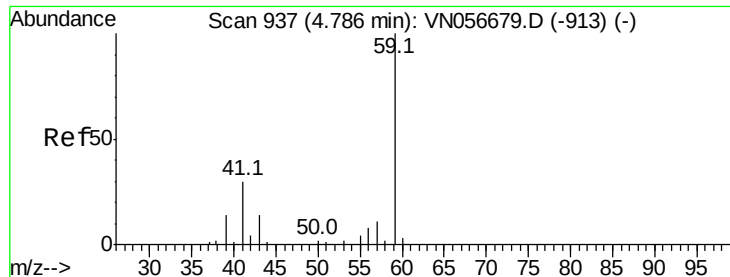
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#8
Diethyl Ether
Concen: 2.472 ug/l
RT: 3.41 min Scan# 509
Delta R.T. 0.00 min
Lab File: VN056691.D
Acq: 12 Jul 2019 16:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.5	19.9	179.5





#23

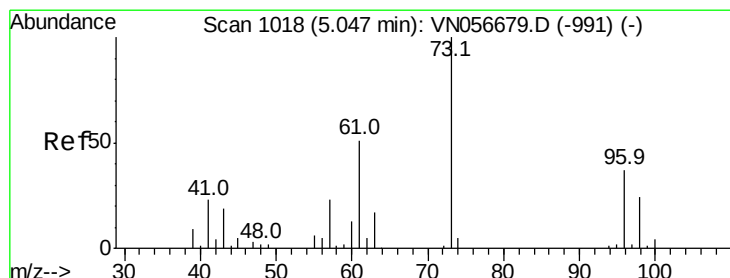
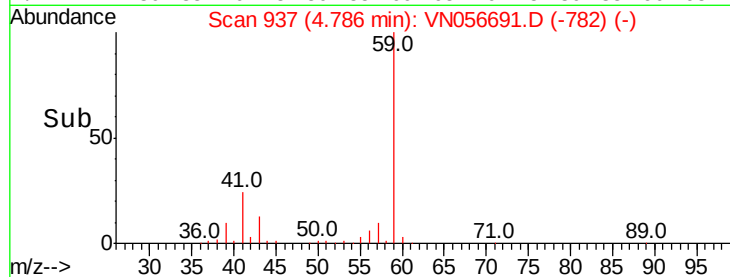
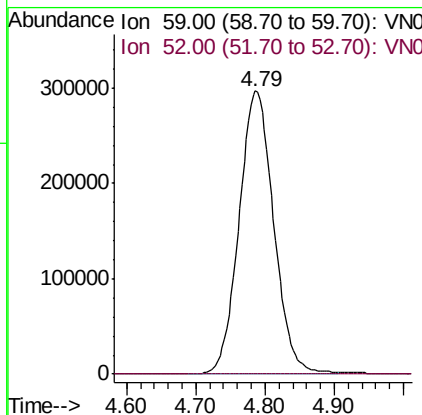
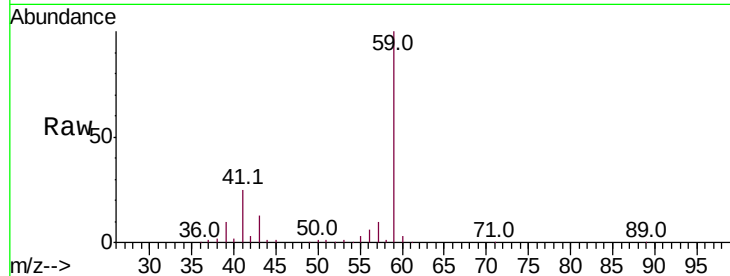
tert-Butyl Alcohol
 Concen: 1706.596 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: VN056691.D
 Acq: 12 Jul 2019 16:17

Instrument :
 MSVOA_N
 ClientSampleId :
 390711763.1-VOA

Tot Ion: 59 Resp: 1031674
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

Manual Integrations
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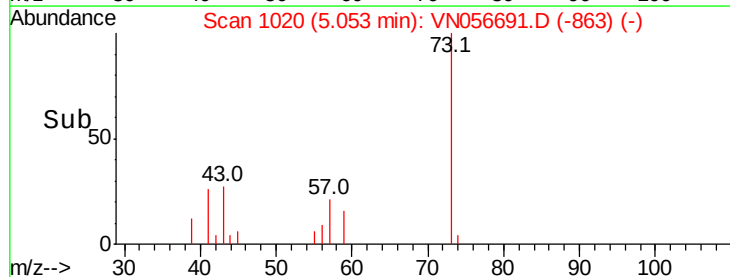
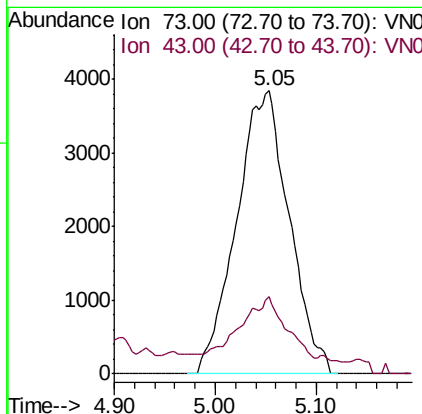
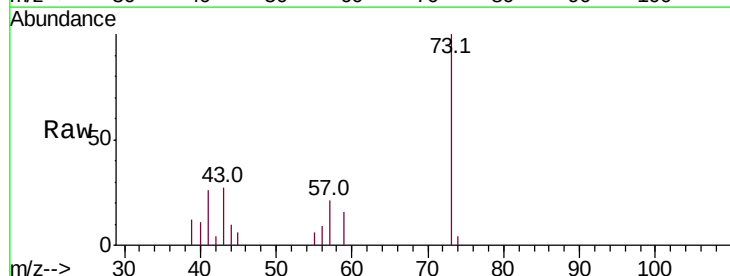
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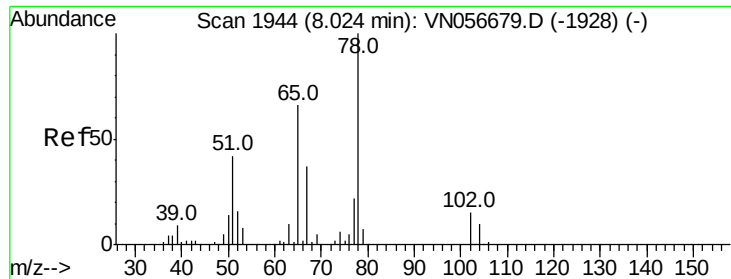


#24

Methyl tert-Butyl Ether
 Concen: 1.488 ug/l m
 RT: 5.05 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VN056691.D
 Acq: 12 Jul 2019 16:17

Tgt Ion: 73 Resp: 13951
 Ion Ratio Lower Upper
 73 100
 43 7.1 15.1 22.7#





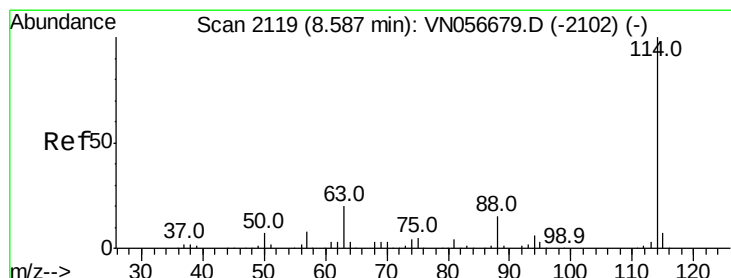
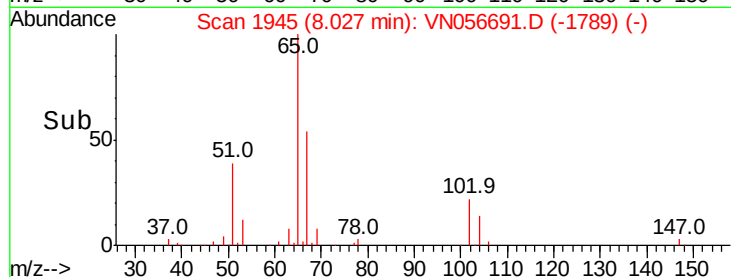
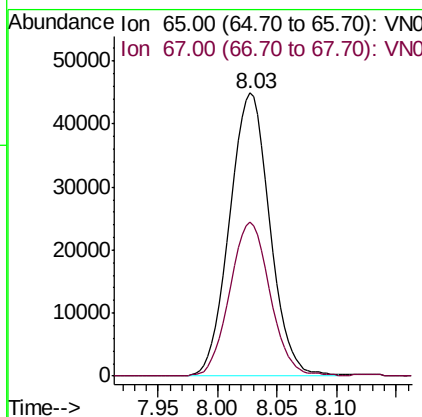
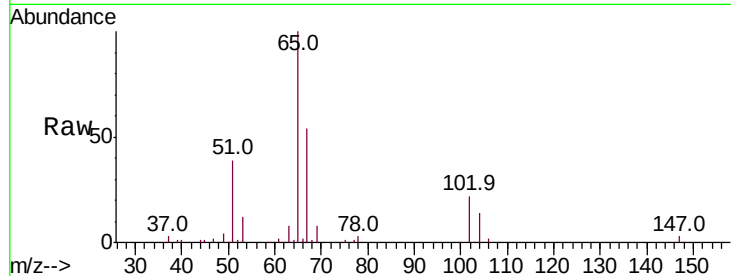
#27
 1,2-Dichloroethane-d4
 Concen: 31.225 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN056691.D
 Acq: 12 Jul 2019 16:17

Instrument :
 MSVOA_N
 ClientSampleId :
 390711763.1-VOA

Tot Ion: 65 Resp: 105394
 Ion Ratio Lower Upper
 65 100
 67 54.5 43.4 65.0

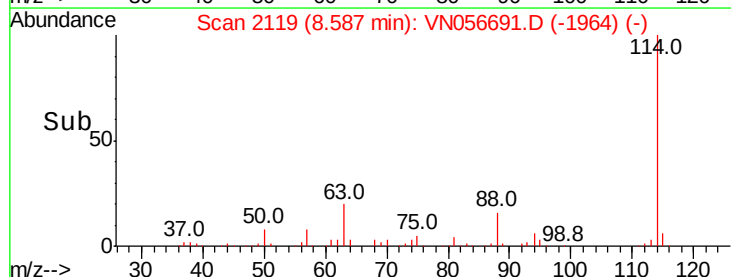
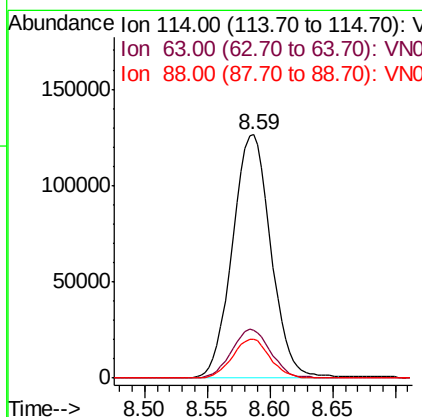
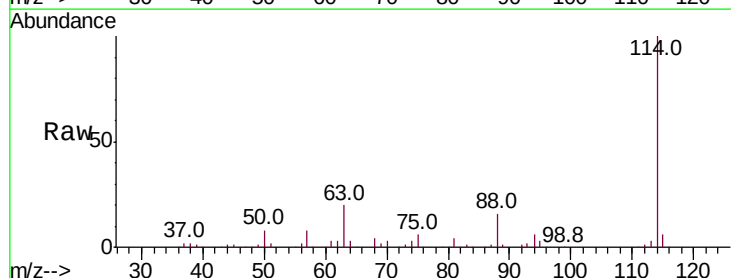
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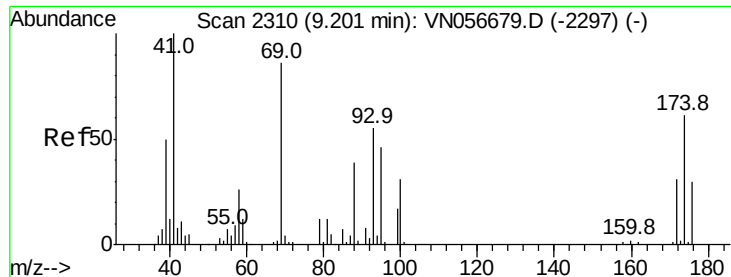
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN056691.D
 Acq: 12 Jul 2019 16:17

Tgt Ion: 114 Resp: 270134
 Ion Ratio Lower Upper
 114 100
 63 20.2 16.2 24.2
 88 15.6 12.3 18.5





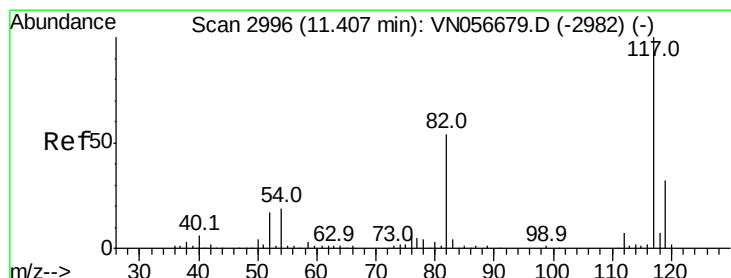
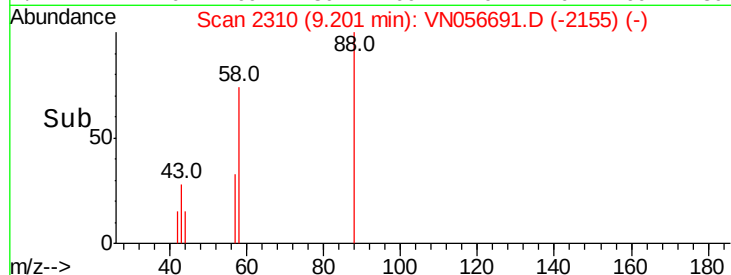
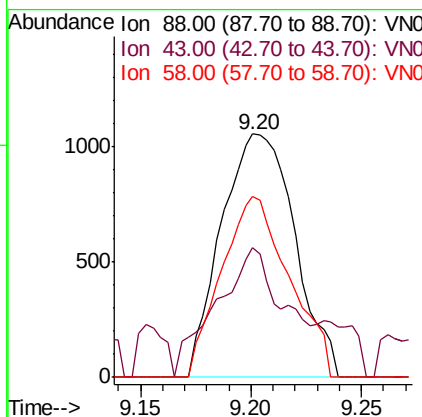
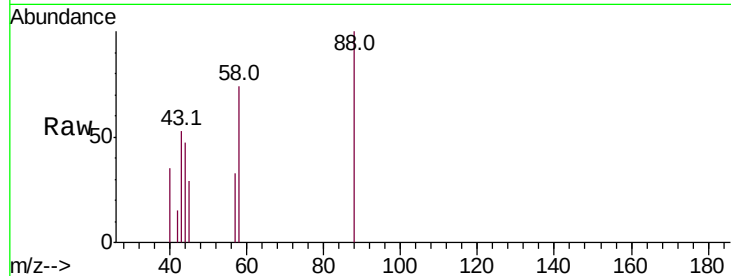
#45
 1,4-Dioxane
 Concen: 34.363 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN056691.D
 Acq: 12 Jul 2019 16:17

Instrument :
 MSVOA_N
 ClientSampled :
 390711763.1-VOA

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.9	23.0	34.6#
58	68.8	54.6	81.8

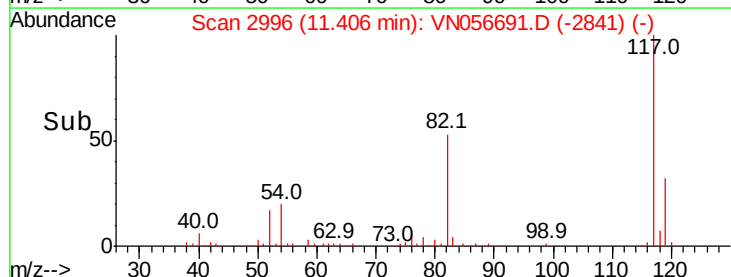
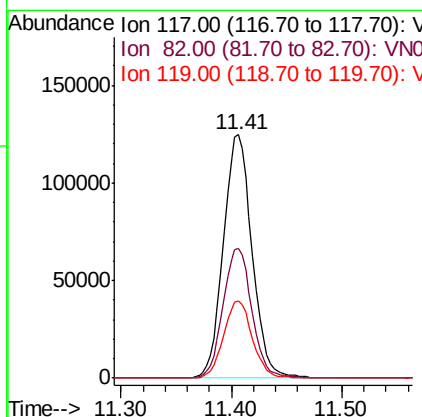
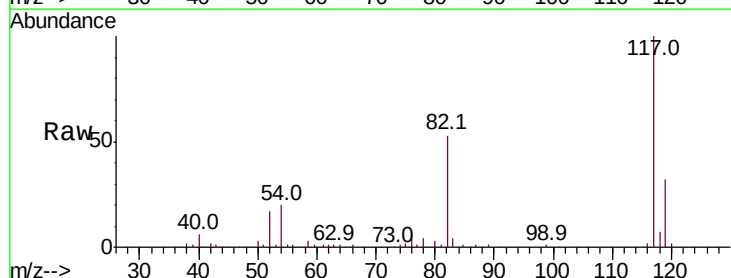
Manual Integrations
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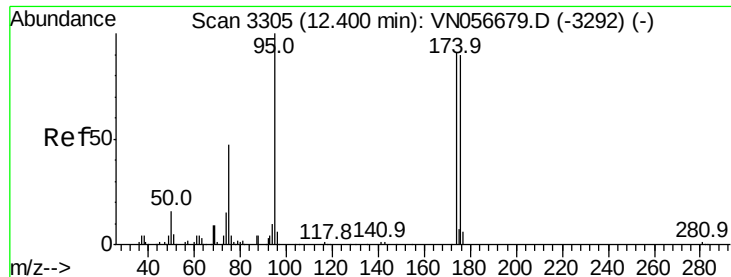
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#57
 Chlorobenzene-d5
 Concen: 30.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. -0.00 min
 Lab File: VN056691.D
 Acq: 12 Jul 2019 16:17

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.7	43.0	64.4
119	31.7	26.0	39.0





#60

4-Bromofluorobenzene

Concen: 26.600 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN056691.D

Acq: 12 Jul 2019 16:17

Instrument :

MSVOA_N

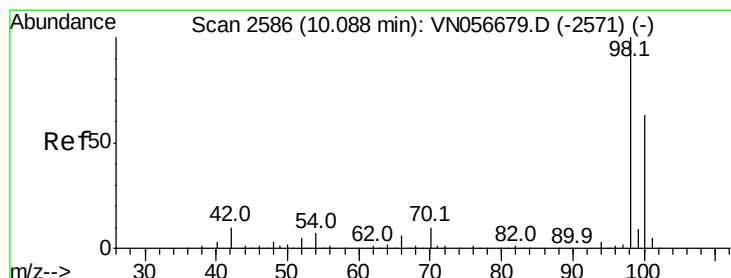
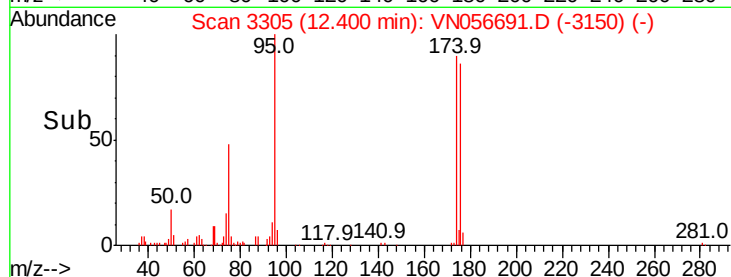
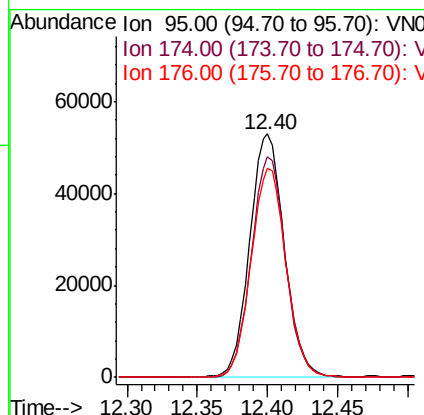
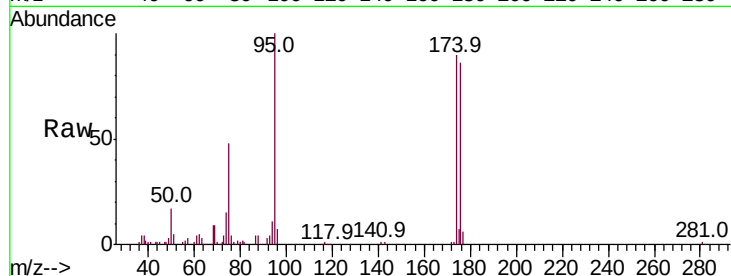
ClientSampleId :

390711763.1-VOA

Tot Ion:	95	Resp:	91527
Ion Ratio	Lower	Upper	
95	100		
174	89.1	72.6	108.8
176	86.3	71.0	106.6

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#63

Toluene-d8

Concen: 31.150 ug/l

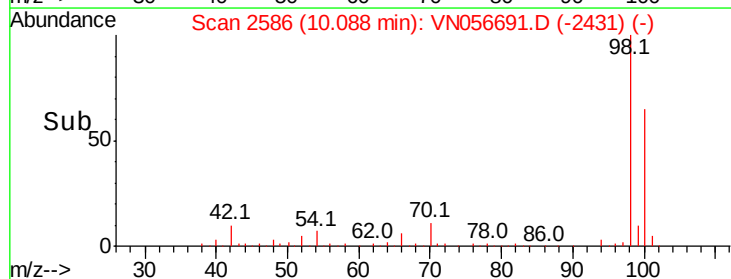
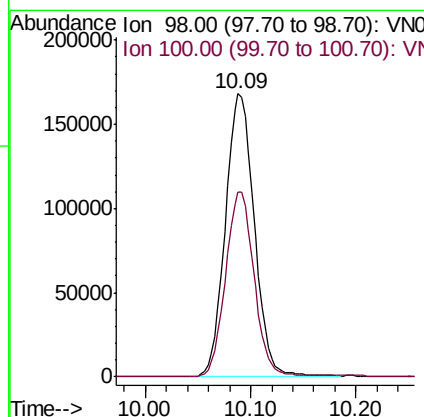
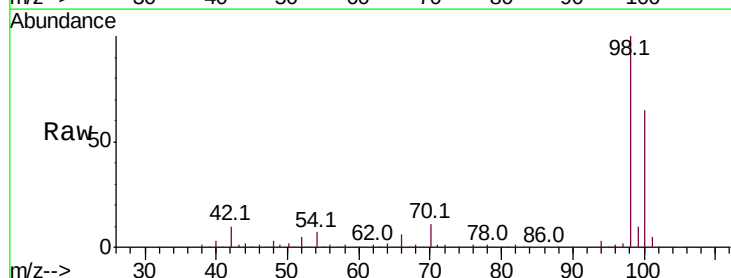
RT: 10.09 min Scan# 2586

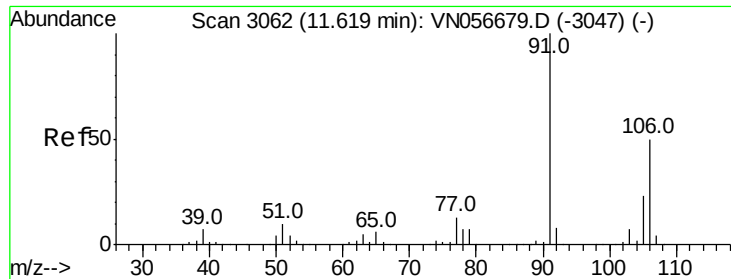
Delta R.T. -0.00 min

Lab File: VN056691.D

Acq: 12 Jul 2019 16:17

Tgt Ion:	98	Resp:	319994
Ion Ratio	Lower	Upper	
98	100		
100	64.4	51.1	76.7





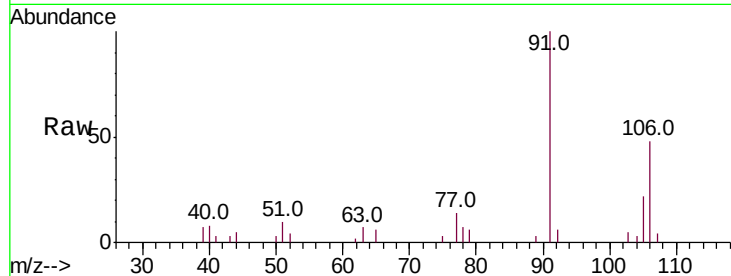
#67
m/p-Xylenes
Concen: 1.199 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN056691.D
Acq: 12 Jul 2019 16:17

Instrument :
MSVOA_N
ClientSampleId :
390711763.1-VOA

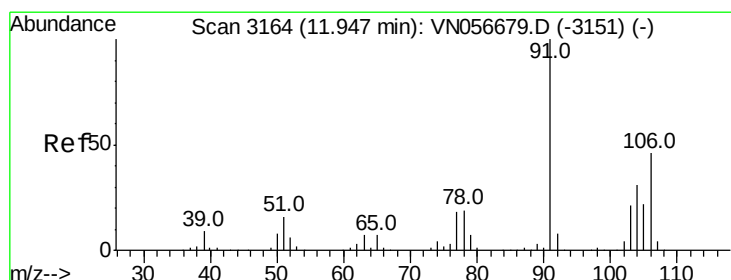
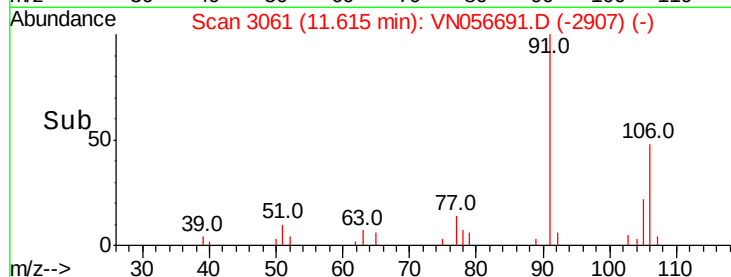
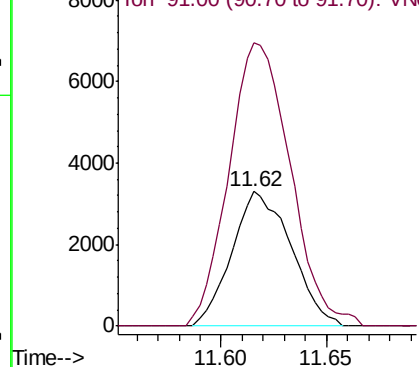
Tot Ion:106 Resp: 6460
Ion Ratio Lower Upper
106 100
91 217.5 161.8 242.8

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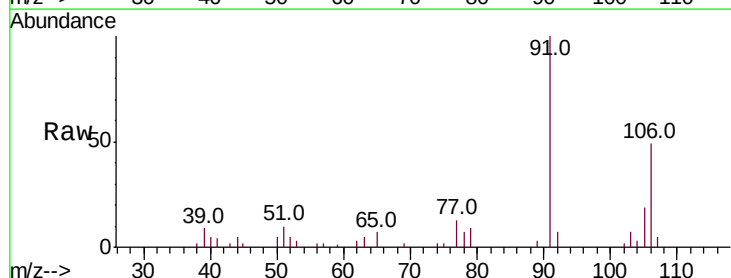


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

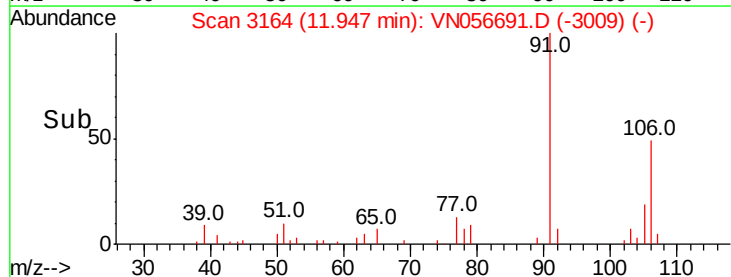
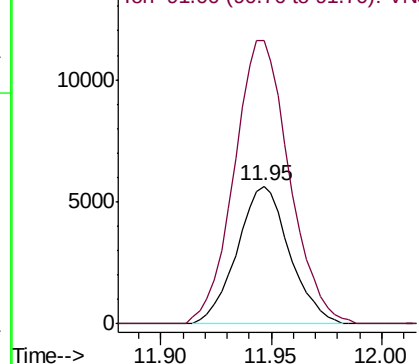


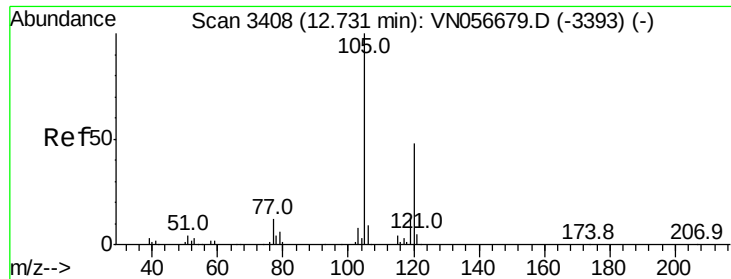
#68
o-Xylene
Concen: 1.773 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN056691.D
Acq: 12 Jul 2019 16:17

Tgt Ion:106 Resp: 9315
Ion Ratio Lower Upper
106 100
91 216.4 108.1 324.2



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN





#76

1,3,5-Trimethylbenzene

Concen: 0.370 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN056691.D

Acq: 12 Jul 2019 16:17

Instrument :

MSVOA_N

ClientSampleId :

390711763.1-VOA

Tot Ion:105 Resp: 4343

Ion Ratio Lower Upper

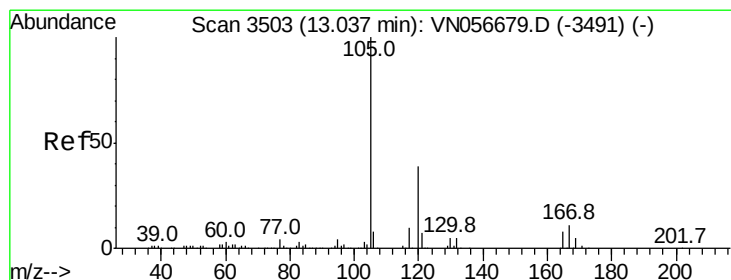
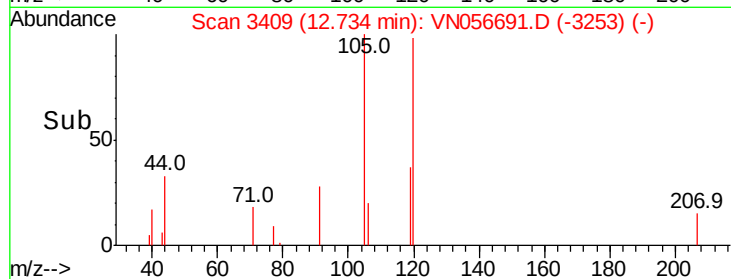
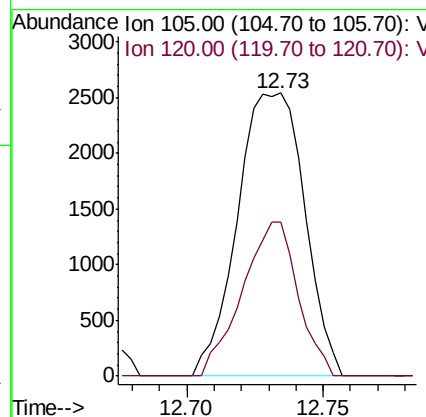
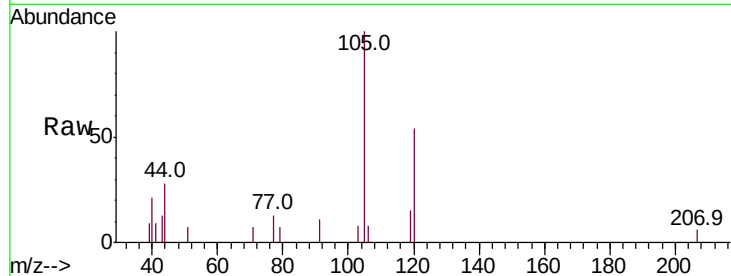
105 100

120 45.1 0.0 97.6

Manual Integrations
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#80

1,2,4-Trimethylbenzene

Concen: 0.385 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. -0.00 min

Lab File: VN056691.D

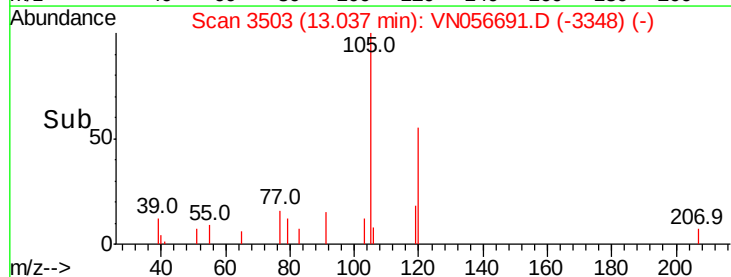
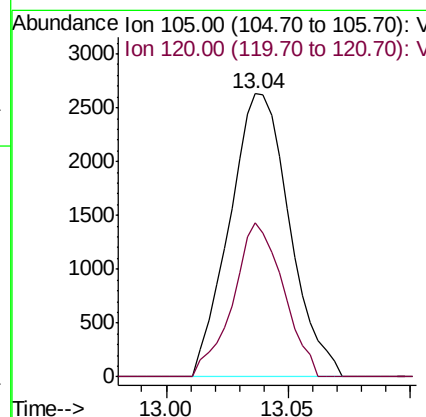
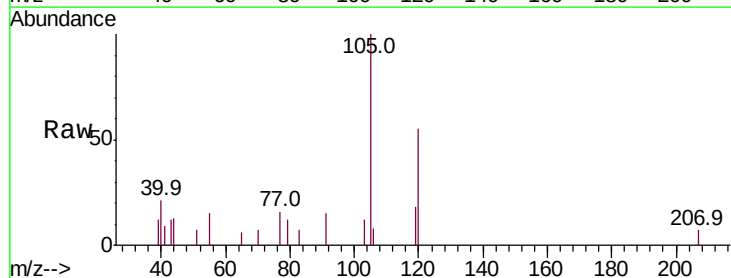
Acq: 12 Jul 2019 16:17

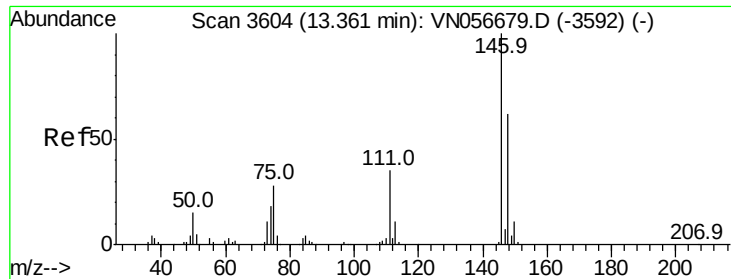
Tgt Ion:105 Resp: 4484

Ion Ratio Lower Upper

105 100

120 45.7 0.0 91.2





#84

1,4-Dichlorobenzene

Concen: 1.943 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN056691.D

Acq: 12 Jul 2019 16:17

Instrument :

MSVOA_N

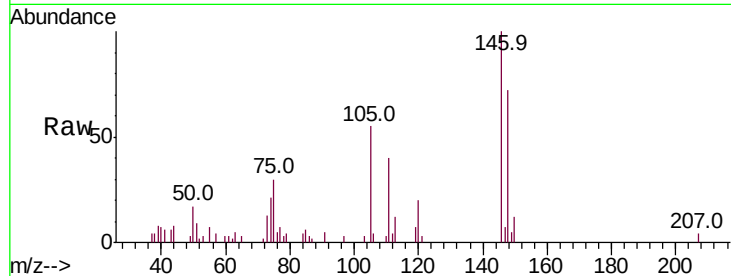
ClientSampleId :

390711763.1-VOA

Tot Ion:	146	Resp:	11172
Ion Ratio	Lower	Upper	
146	100		
111	39.7	17.8	53.4
148	70.0	31.9	95.5

Manual Integrations
APPROVED

MMDadoda
7/16/2019 9:56:15 AM



Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

