

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054396.D
 Acq On : 18 Mar 2019 16:16
 Operator : JC/SP
 Sample : K1960-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-5-9.0-031419

Manual Integrations
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MMDadoda
 3/19/2019 9:24:11 AM

Quant Time: Mar 19 06:44:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1899174	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2700988	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2270104	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	952980	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	887621	44.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.02%	
35) Dibromofluoromethane	7.59	113	821350	47.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.30%	
50) Toluene-d8	10.09	98	3128248	48.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.24%	
62) 4-Bromofluorobenzene	12.40	95	965234	42.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.76%	
Target Compounds						
					Qvalue	
16) Acetone	3.82	43	27098	4.692	ug/l	91
31) Cyclohexane	7.65	56	730752	23.442	ug/l	99
39) Methylcyclohexane	9.08	83	803021	26.239	ug/l	99
40) Benzene	8.04	78	79842	1.122	ug/l	98
52) Toluene	10.16	92	39041	0.865	ug/l	94
67) Ethyl Benzene	11.51	91	140227	1.697	ug/l	99
68) m/p-Xylenes	11.62	106	18349	0.568	ug/l	99
69) o-Xylene	11.95	106	14809	0.470	ug/l	86
73) Isopropylbenzene	12.25	105	4021141	52.740	ug/l	100
78) n-propylbenzene	12.59	91	13781399	166.583	ug/l	100
83) tert-Butylbenzene	12.99	119	51543	0.883	ug/l	92
84) 1,2,4-Trimethylbenzene	13.04	105	18757m	0.301	ug/l	
85) sec-Butylbenzene	13.17	105	717170	9.474	ug/l #	73
89) n-Butylbenzene	13.61	91	818465	16.219	ug/l #	75
91) 1,2-Dichlorobenzene	13.65	146	12332	0.371	ug/l	92

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

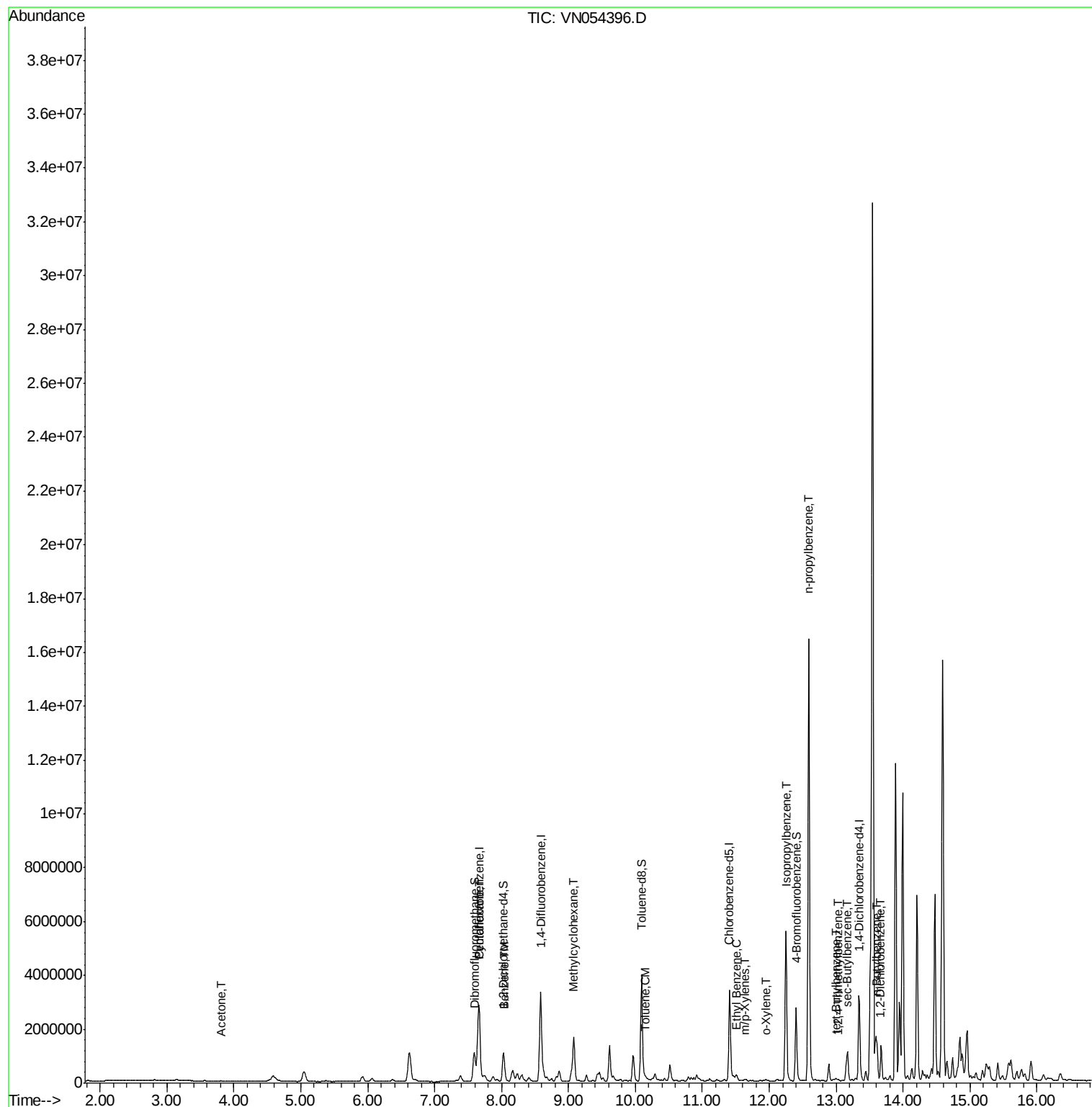
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
Data File : VN054396.D
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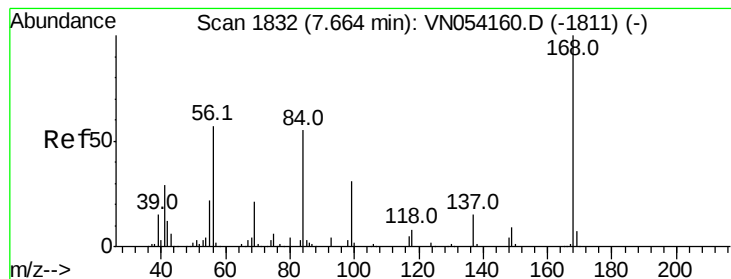
Instrument :
MSVOA_N
ClientSampleId :
T11-MW-5-9.0-031419

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Quant Time: Mar 19 06:44:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 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: VN054396.D

Acq: 18 Mar 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-5-9.0-031419

Tot Ion:168 Resp: 1899174

Ion Ratio Lower Upper

168 100

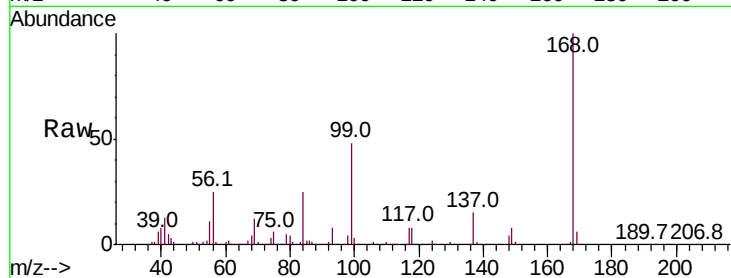
99 47.7 37.1 55.7

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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

800000

600000

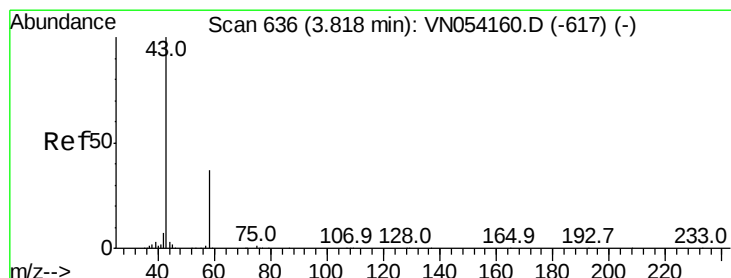
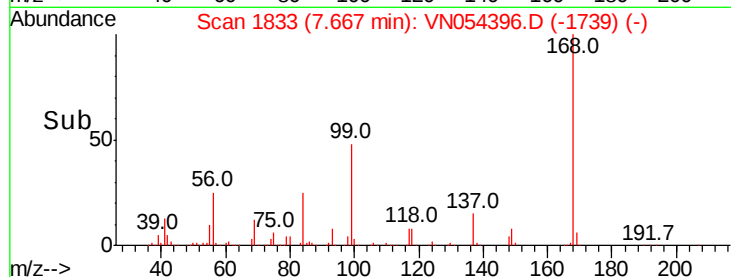
400000

200000

0

7.50 7.60 7.70 7.80 7.90

Time-->



#16

Acetone

Concen: 4.692 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN054396.D

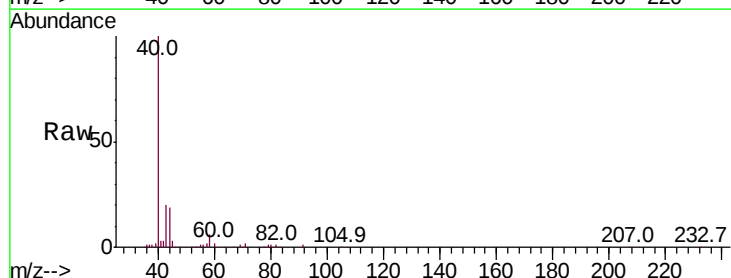
Acq: 18 Mar 2019 16:16

Tgt Ion: 43 Resp: 27098

Ion Ratio Lower Upper

43 100

58 32.2 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.82

10000

8000

6000

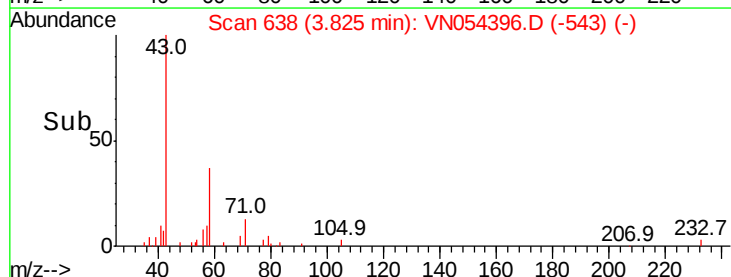
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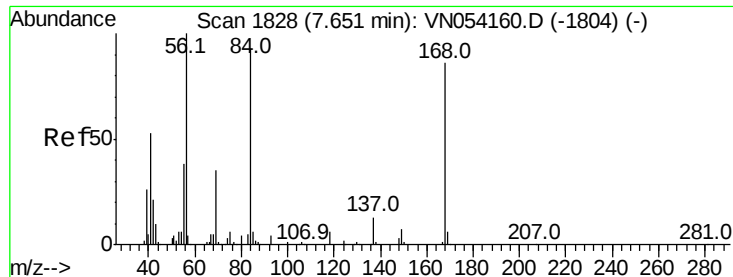
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0

3.70 3.75 3.80 3.85 3.90

Time-->





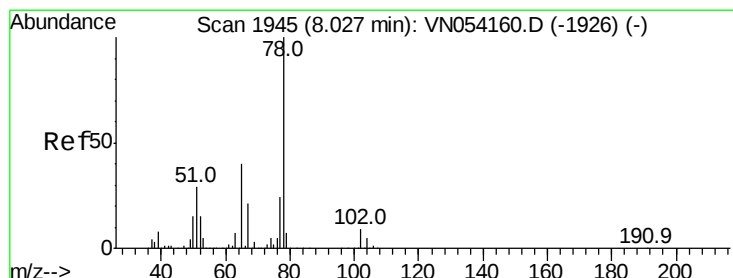
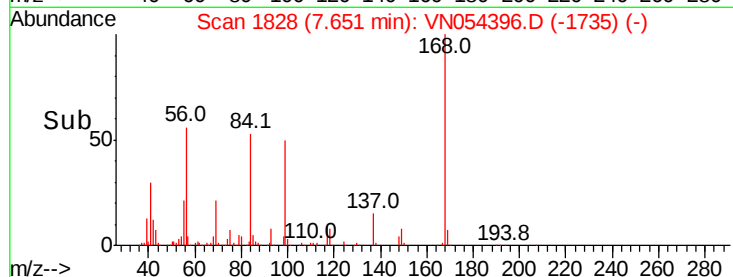
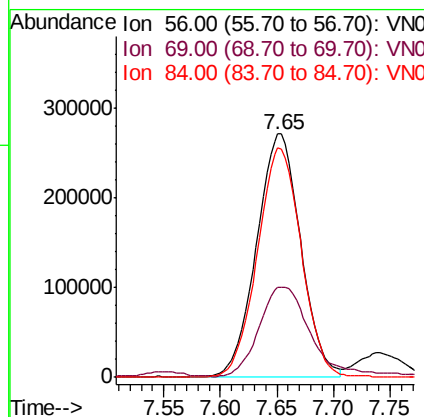
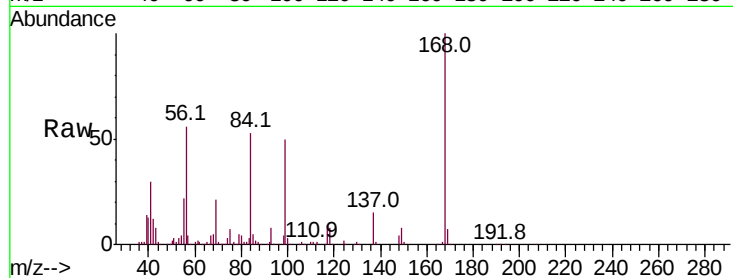
#31
Cyclohexane
Concen: 23.442 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN054396.D
Acq: 18 Mar 2019 16:16

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-5-9.0-031419

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.0	27.8	41.6
84	94.3	74.6	111.8

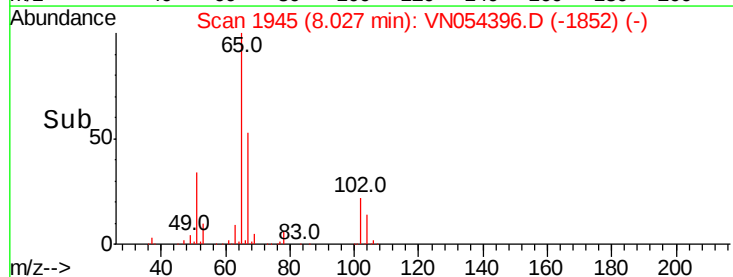
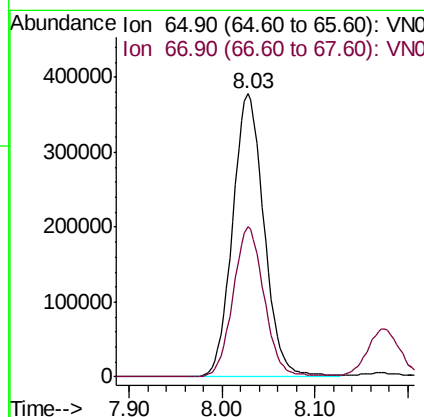
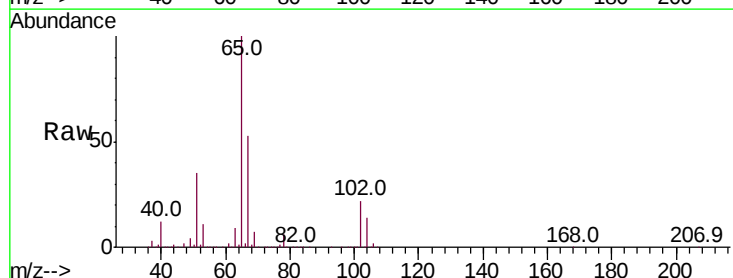
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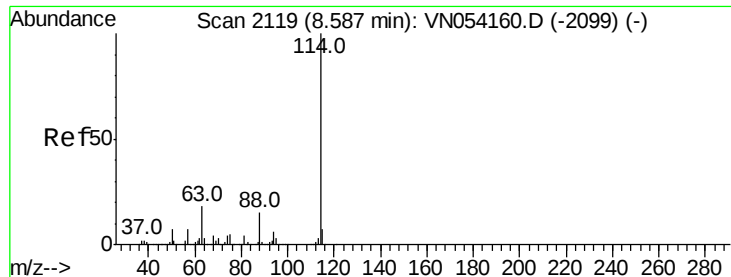
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#33
1,2-Dichloroethane-d4
Concen: 44.009 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN054396.D
Acq: 18 Mar 2019 16:16

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	104.6





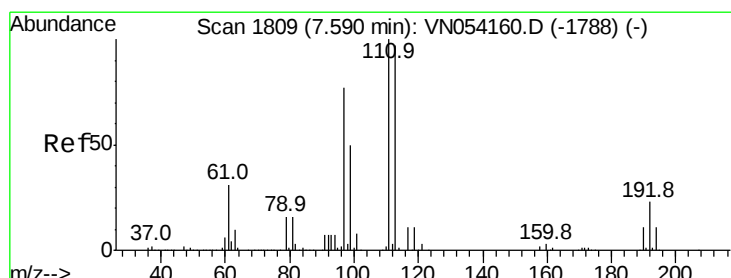
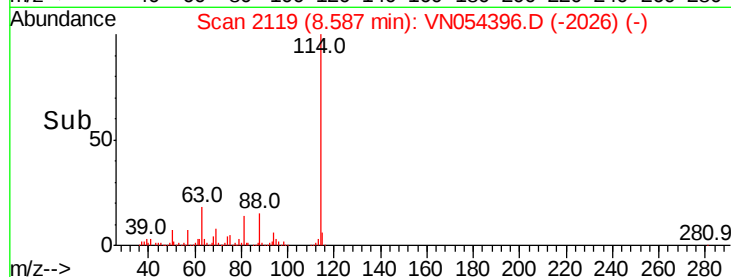
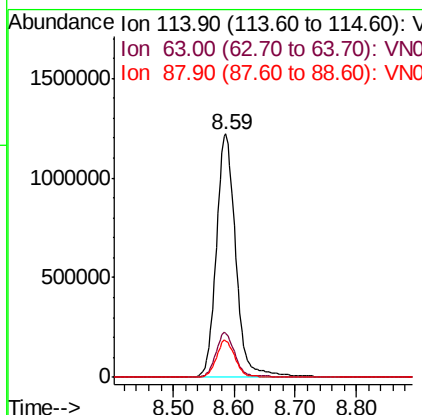
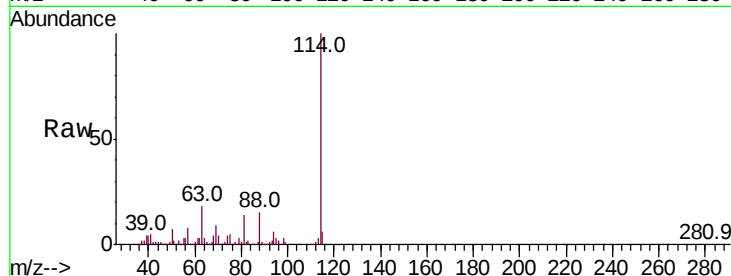
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054396.D
 Acq: 18 Mar 2019 16:16

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-5-9.0-031419

Tot Ion	Ratio	Lower	Upper
114	100		
63	18.3	0.0	35.2
88	15.1	0.0	30.2

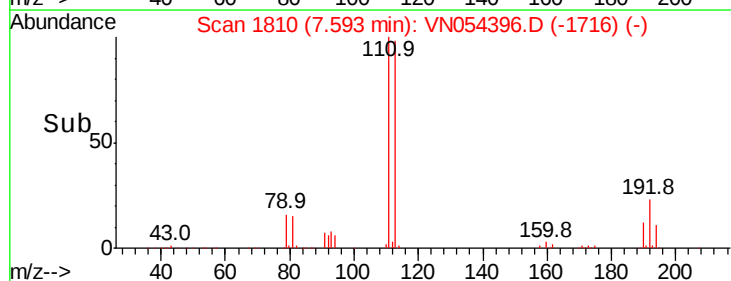
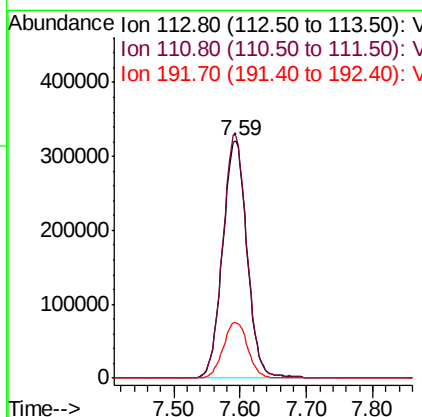
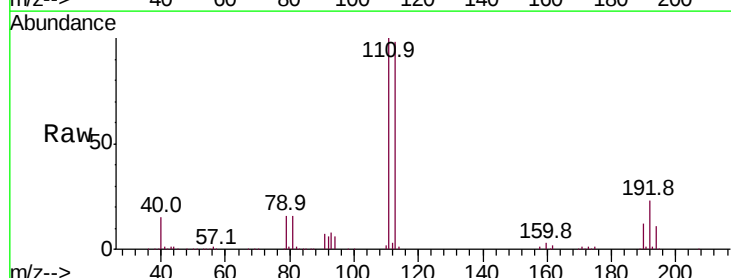
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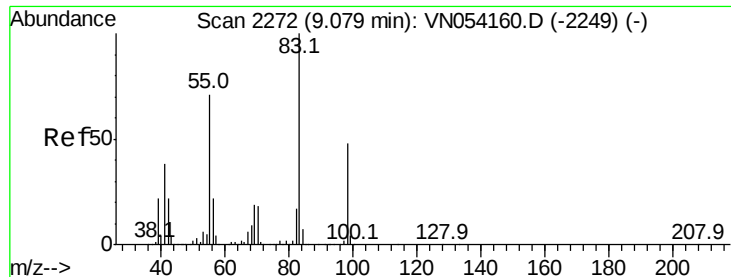
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#35
 Dibromofluoromethane
 Concen: 47.149 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054396.D
 Acq: 18 Mar 2019 16:16

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.1	82.2	123.4
192	23.7	19.2	28.8





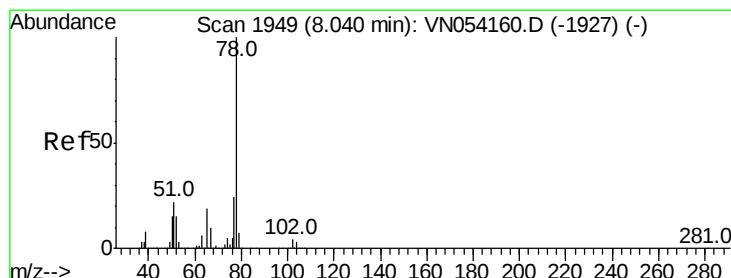
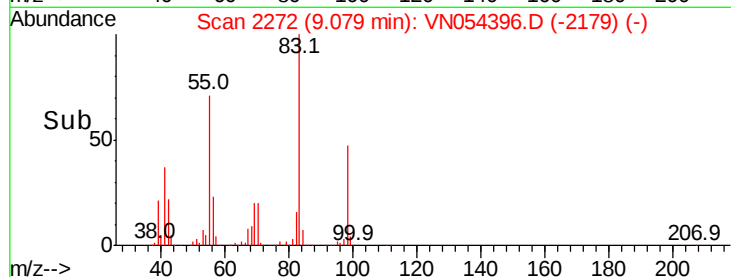
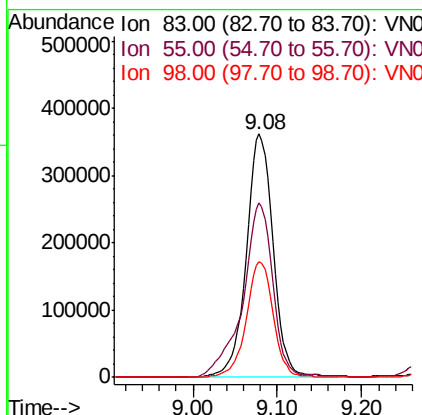
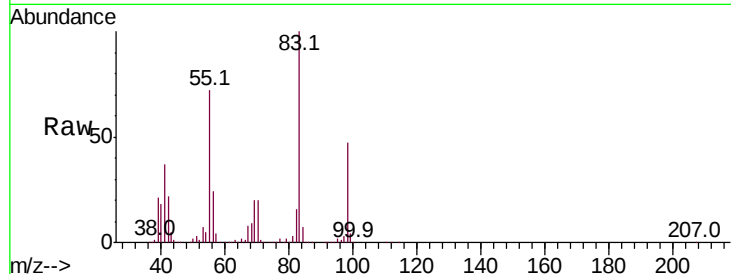
#39
Methvlcvclohexane
Concen: 26.239 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054396.D
Acq: 18 Mar 2019 16:16

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-5-9.0-031419

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.6	56.6	84.8
98	47.5	38.4	57.6

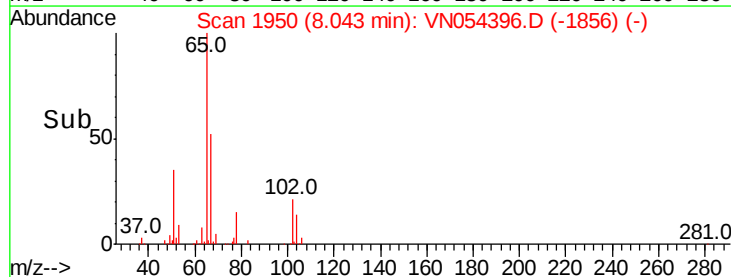
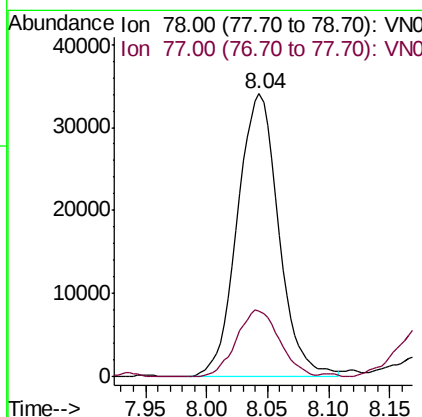
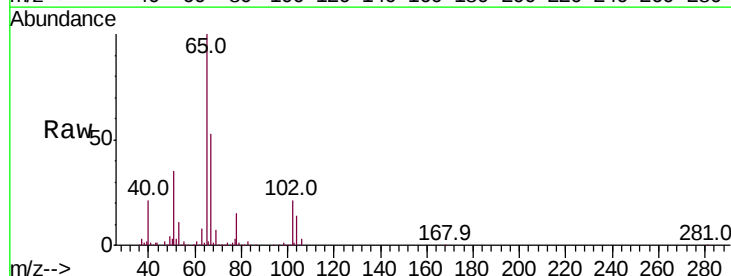
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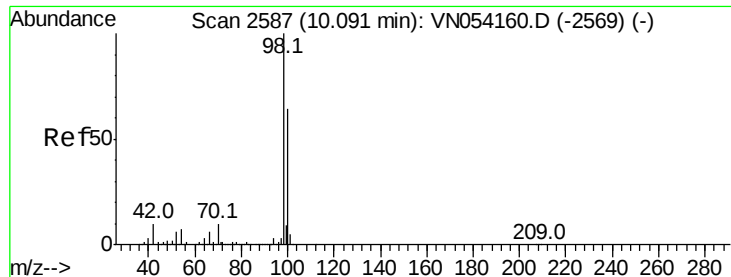
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#40
Benzene
Concen: 1.122 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN054396.D
Acq: 18 Mar 2019 16:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.1	28.7





#50

Toluene-d8

Concen: 48.624 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054396.D

Acq: 18 Mar 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-5-9.0-031419

Tot Ion: 98 Resp: 3128248

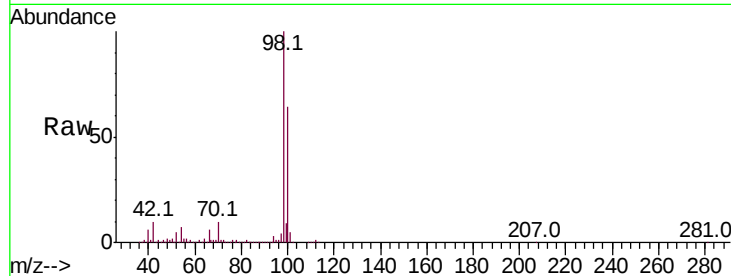
Ion Ratio Lower Upper

98 100

100 63.6 51.2 76.8

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Abundance Ion 98.00 (97.70 to 98.70): VN054160.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN054160.D (-2569) (-)

10.09

1500000

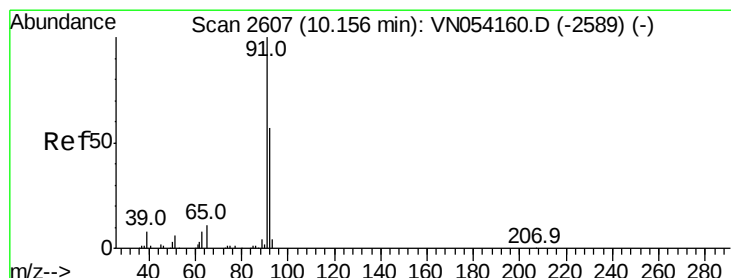
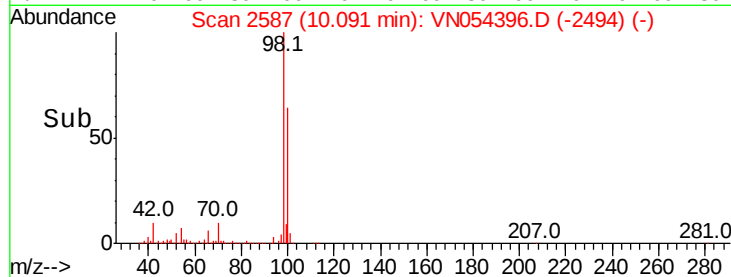
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500000

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Time-->

10.00 10.10 10.20 10.30



#52

Toluene

Concen: 0.865 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN054396.D

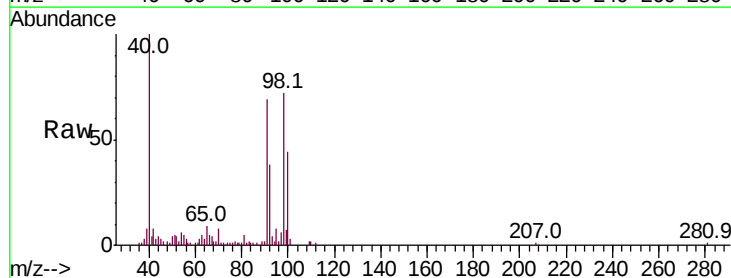
Acq: 18 Mar 2019 16:16

Tgt Ion: 92 Resp: 39041

Ion Ratio Lower Upper

92 100

91 168.0 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VN054160.D (-2589) (-)

Ion 91.00 (90.70 to 91.70): VN054160.D (-2589) (-)

10.16

40000

30000

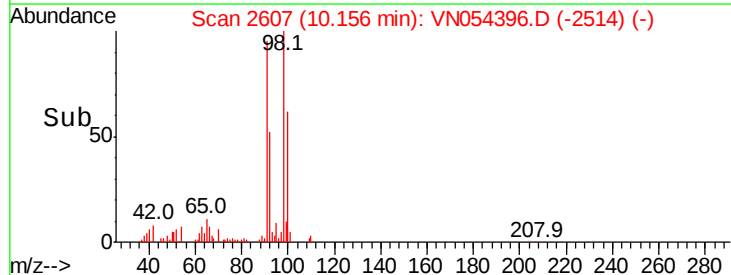
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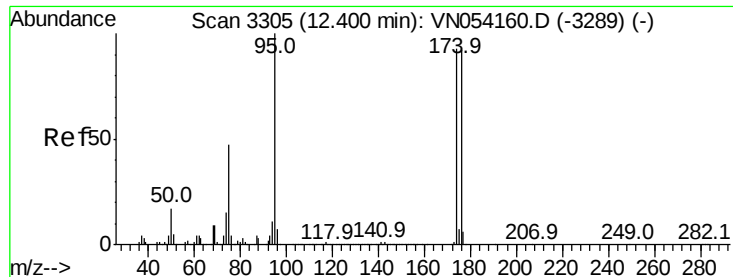
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Time-->

10.10 10.15 10.20 10.25





#62

4-Bromofluorobenzene

Concen: 42.878 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054396.D

Acq: 18 Mar 2019 16:16

Instrument :

MSVOA_N

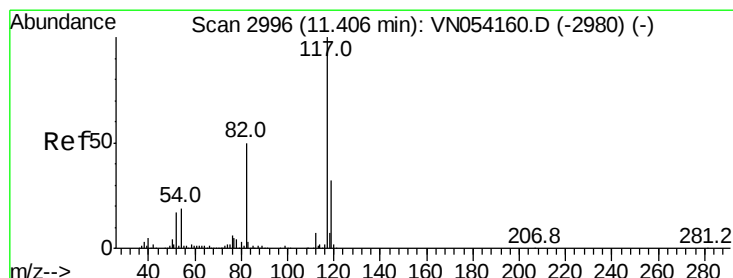
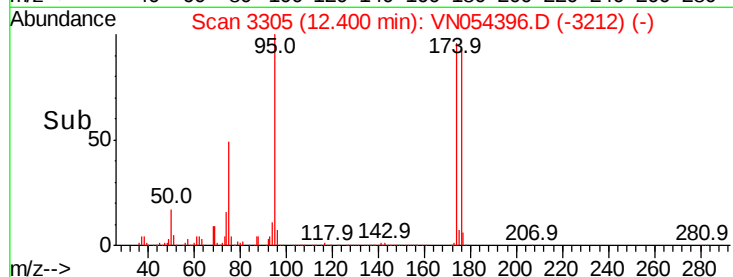
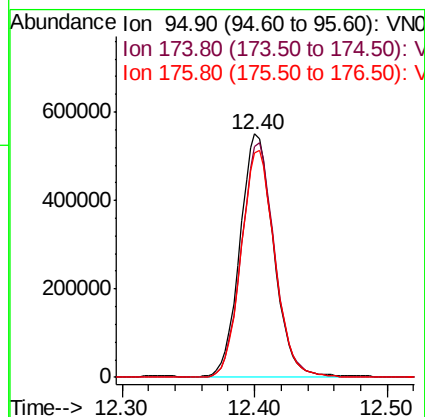
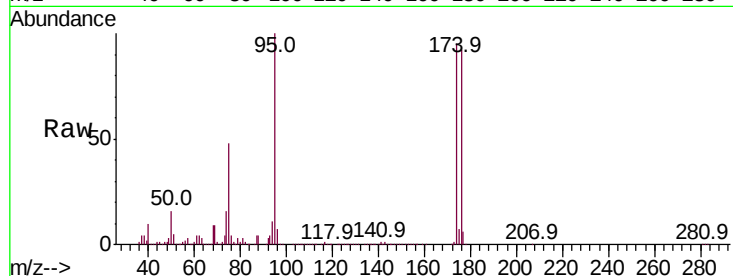
ClientSampleId :

T11-MW-5-9.0-031419

Tot Ion:	95	Resp:	965234
Ion Ratio	Lower	Upper	
95	100		
174	95.8	0.0	191.0
176	93.8	0.0	187.4

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

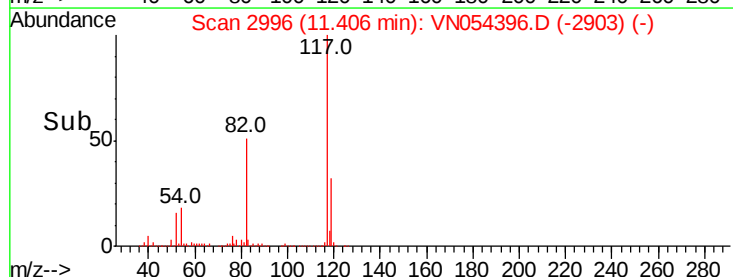
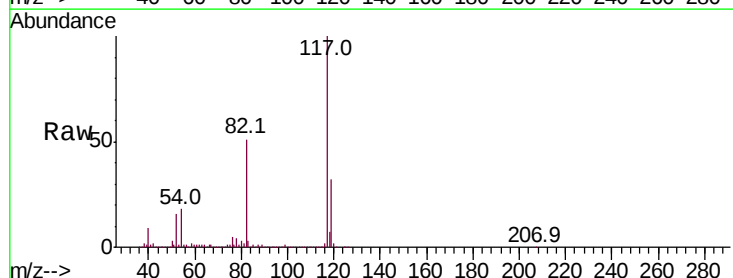
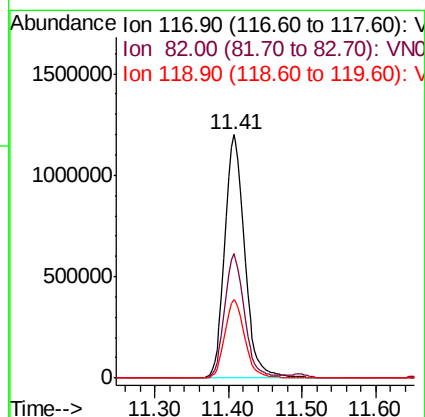
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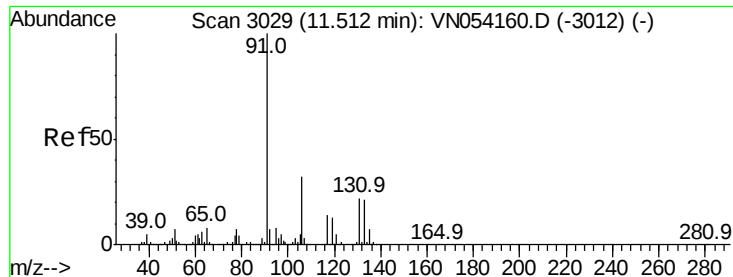
Delta R.T. 0.00 min

Lab File: VN054396.D

Acq: 18 Mar 2019 16:16

Tgt Ion:	117	Resp:	2270104
Ion Ratio	Lower	Upper	
117	100		
82	50.9	40.0	60.0
119	32.3	25.8	38.6





#67

Ethyl Benzene

Concen: 1.697 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN054396.D

Acq: 18 Mar 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-5-9.0-031419

Tot Ion: 91 Resp: 140227

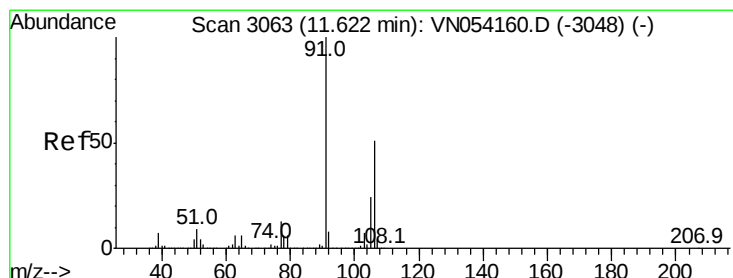
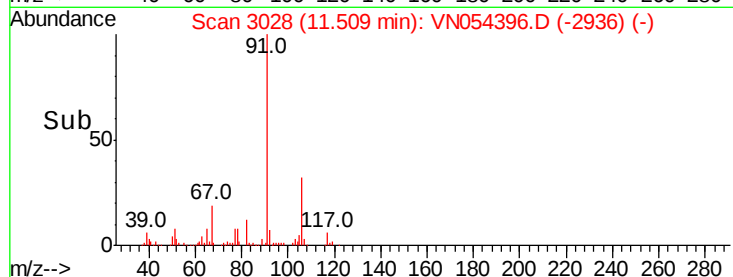
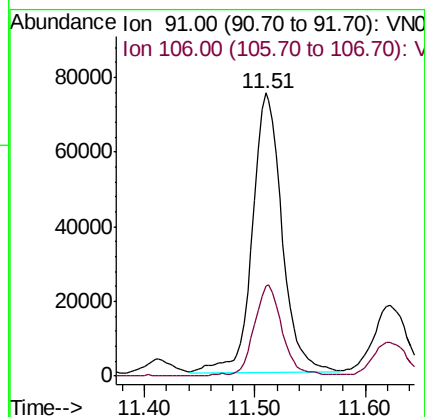
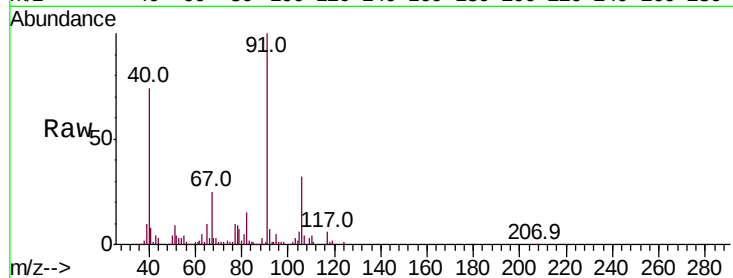
Ion Ratio Lower Upper

91 100

106 32.2 25.5 38.3

Manual Integrations
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#68

m/p-Xylenes

Concen: 0.568 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN054396.D

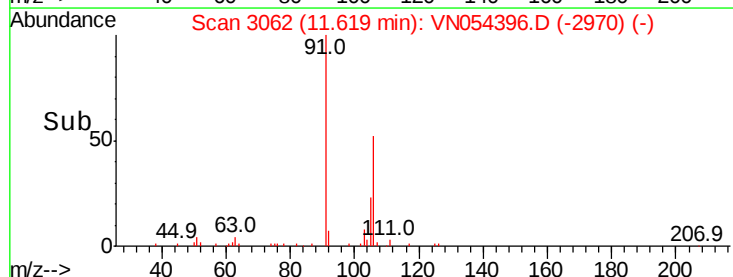
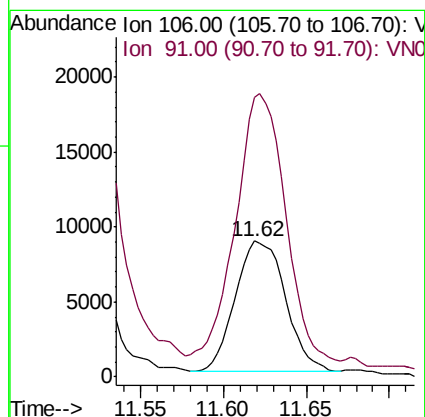
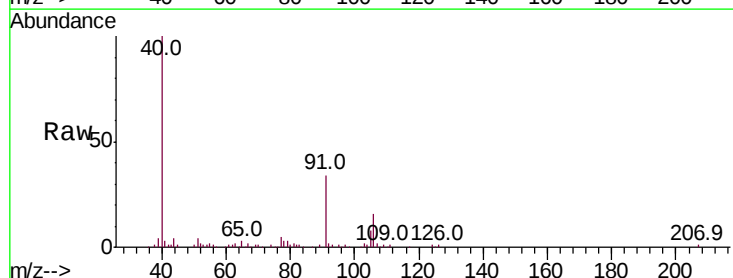
Acq: 18 Mar 2019 16:16

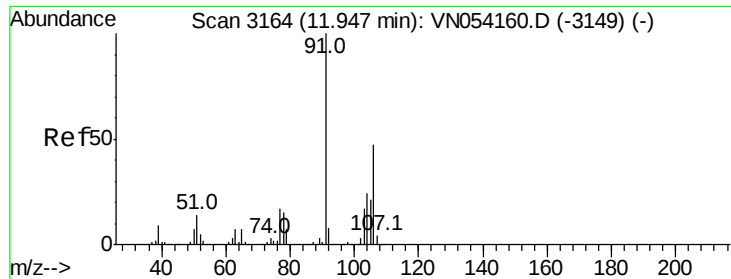
Tgt Ion: 106 Resp: 18349

Ion Ratio Lower Upper

106 100

91 201.0 159.4 239.2





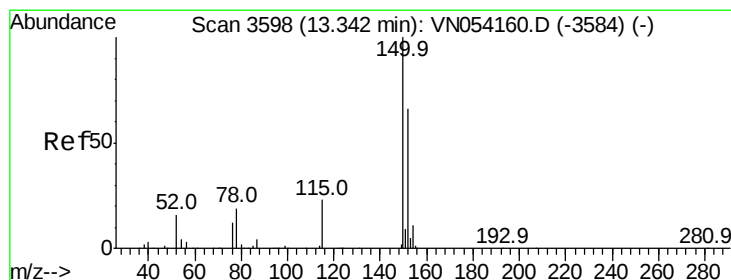
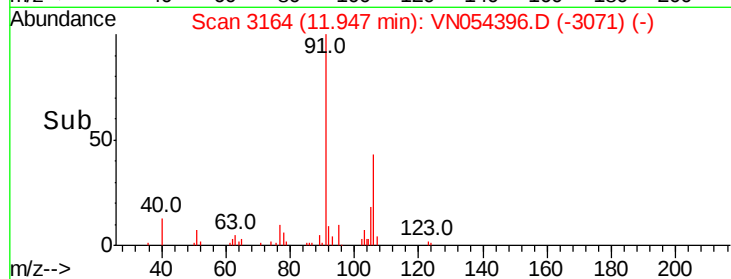
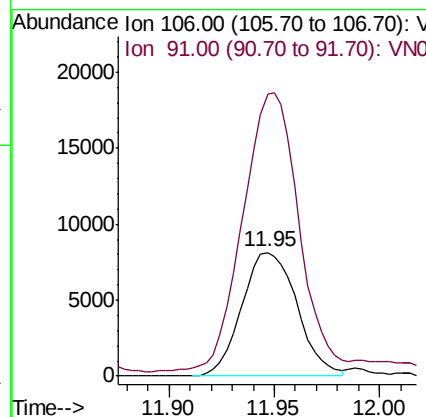
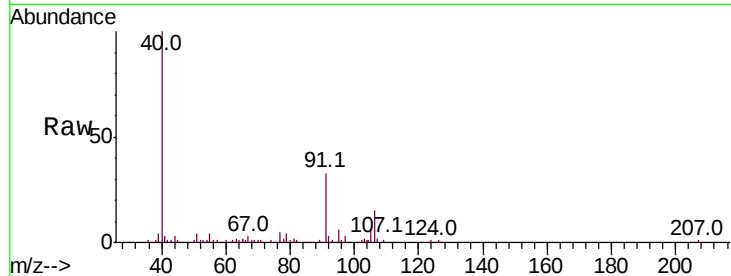
#69
o-Xylene
Concen: 0.470 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054396.D
Acq: 18 Mar 2019 16:16

Instrument :
MSVOA_N
ClientSampleId :
T11-MW-5-9.0-031419

Tot Ion:106 Resp: 14809
Ion Ratio Lower Upper
106 100
91 232.6 105.7 317.1

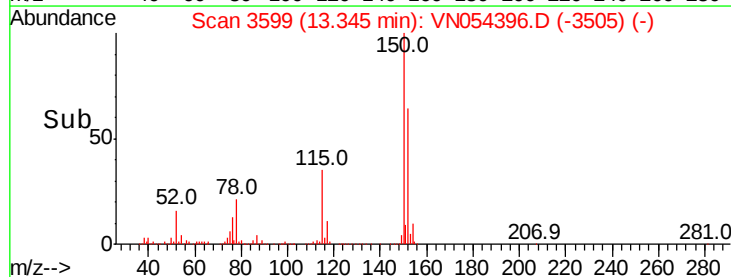
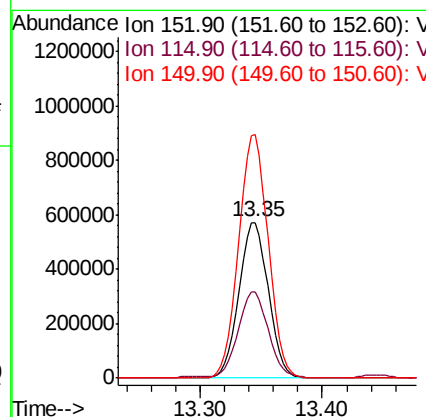
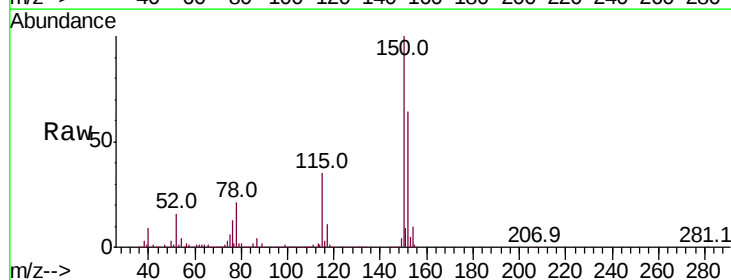
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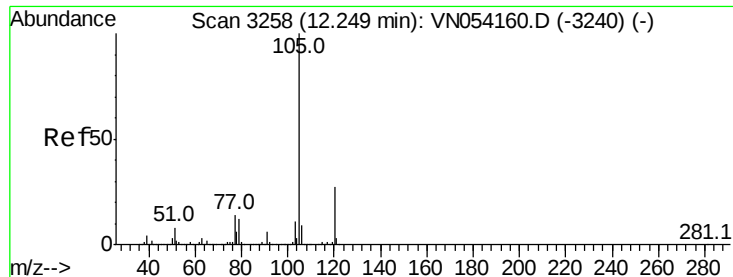
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN054396.D
Acq: 18 Mar 2019 16:16

Tgt Ion:152 Resp: 952980
Ion Ratio Lower Upper
152 100
115 57.1 27.2 81.6
150 157.5 0.0 349.2





#73

Isopropylbenzene

Concen: 52.740 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054396.D

Acq: 18 Mar 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-5-9.0-031419

Tot Ion:105 Resp: 4021141

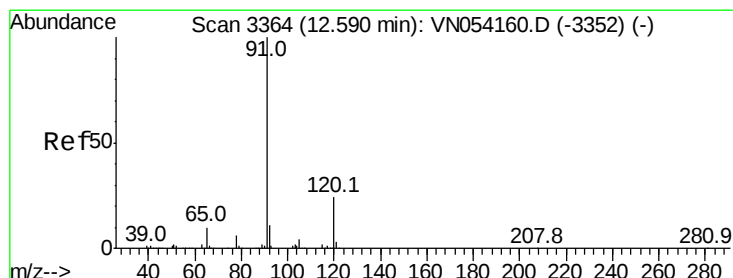
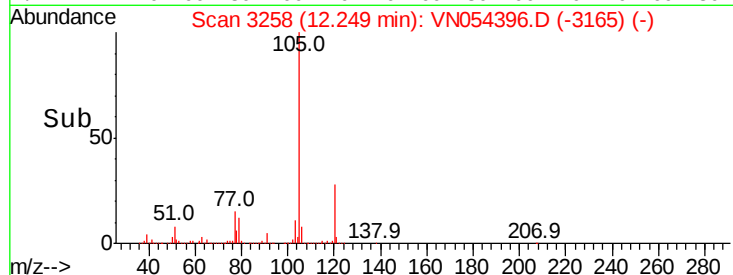
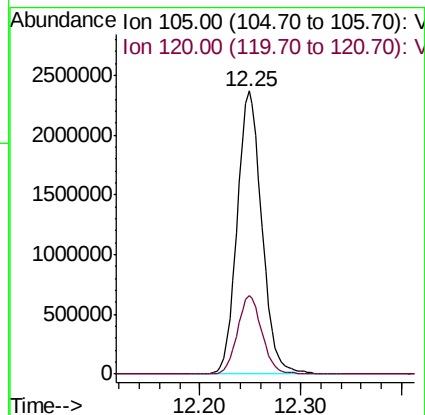
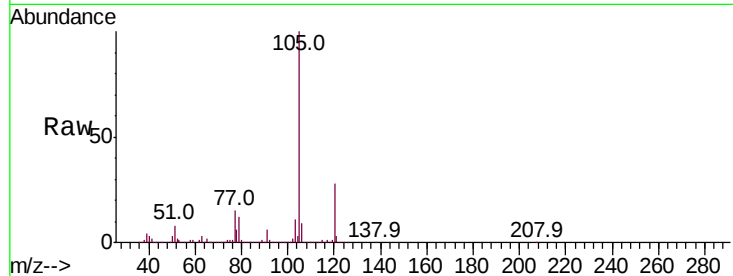
Ion Ratio Lower Upper

105 100

120 27.7 13.8 41.3

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#78

n-propylbenzene

Concen: 166.583 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054396.D

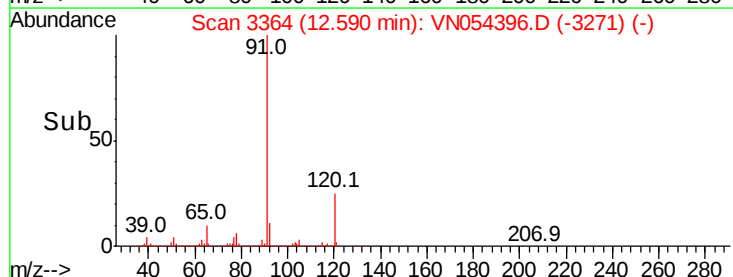
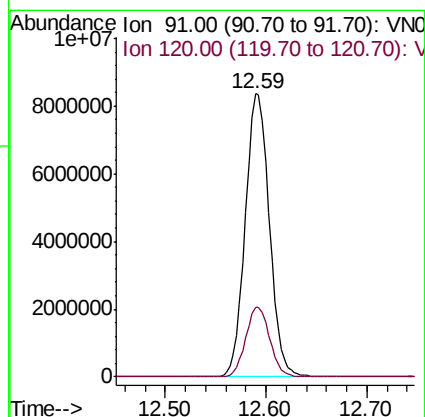
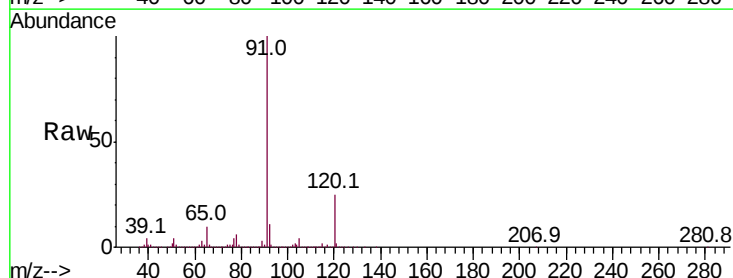
Acq: 18 Mar 2019 16:16

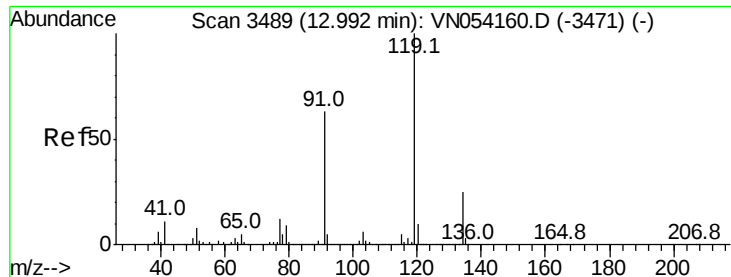
Tgt Ion: 91 Resp:13781399

Ion Ratio Lower Upper

91 100

120 24.6 12.3 36.9





#83

tert-Butylbenzene

Concen: 0.883 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN054396.D

Acq: 18 Mar 2019 16:16

Instrument :

MSVOA_N

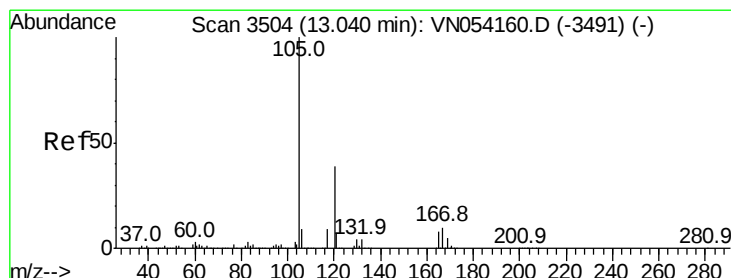
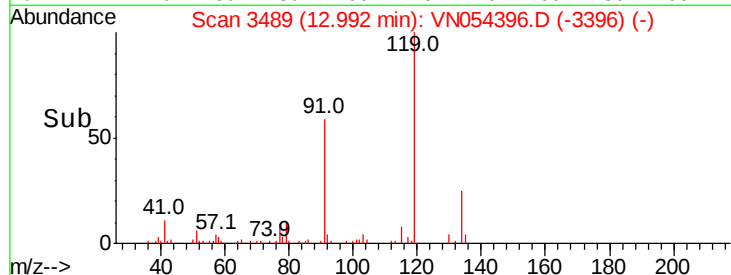
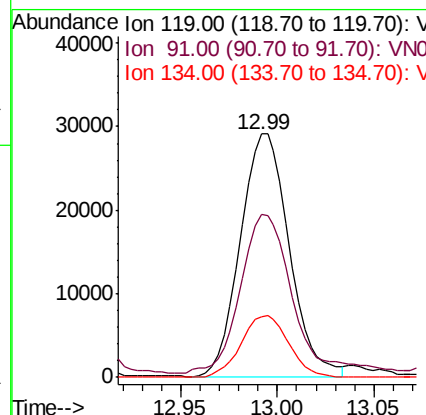
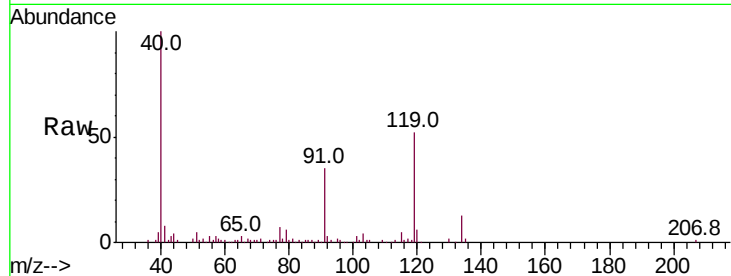
ClientSampleId :

T11-MW-5-9.0-031419

Tot Ion:	119	Resp:	51543
Ion Ratio	Lower	Upper	
119	100		
91	69.4	30.9	92.8
134	24.4	13.2	39.6

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#84

1,2,4-Trimethylbenzene

Concen: 0.301 ug/l m

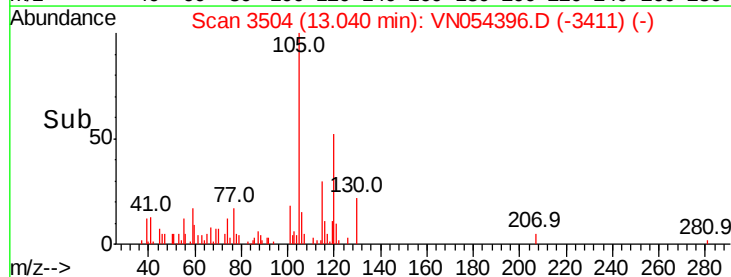
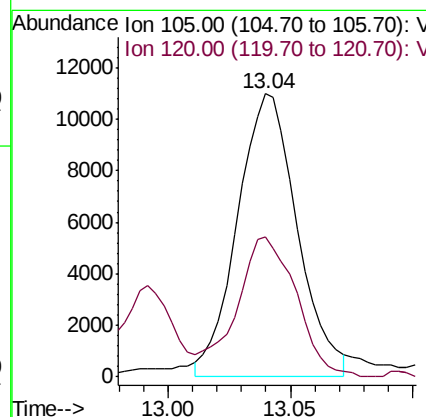
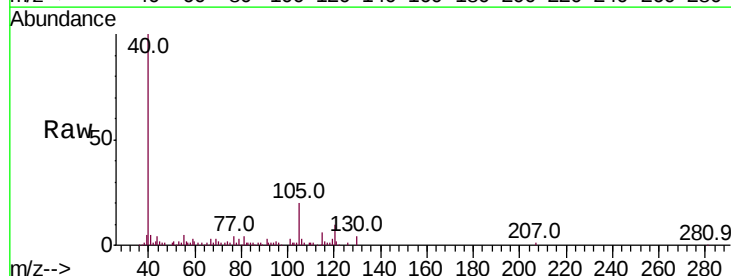
RT: 13.04 min Scan# 3504

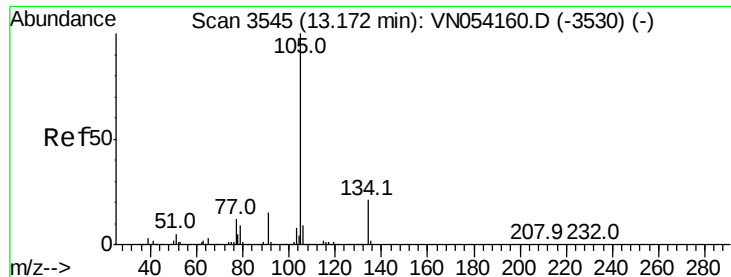
Delta R.T. 0.00 min

Lab File: VN054396.D

Acq: 18 Mar 2019 16:16

Tgt Ion:	105	Resp:	18757
Ion Ratio	Lower	Upper	
105	100		
120	716.2	23.4	70.3#





#85

sec-Butylbenzene

Concen: 9.474 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN054396.D

Acq: 18 Mar 2019 16:16

Instrument :

MSVOA_N

ClientSampleId :

T11-MW-5-9.0-031419

Tot Ion:105 Resp: 717170

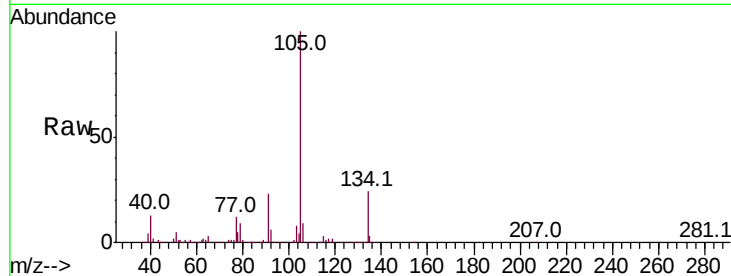
Ion Ratio Lower Upper

105 100

134 34.2 10.7 32.1#

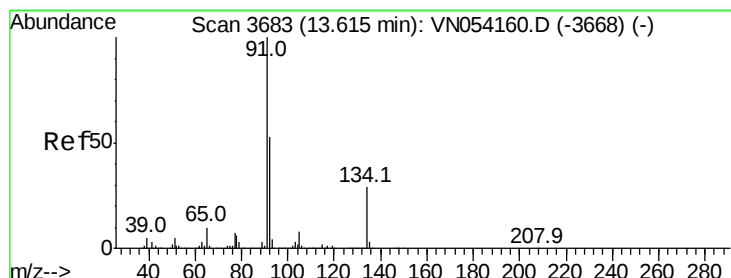
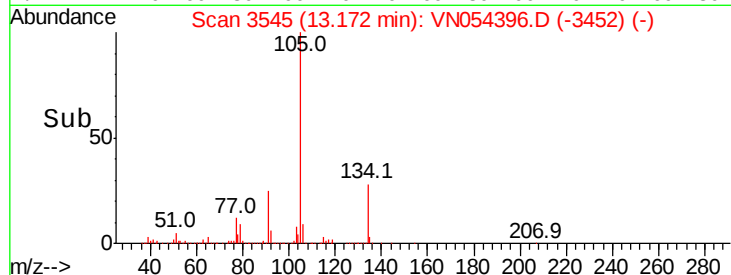
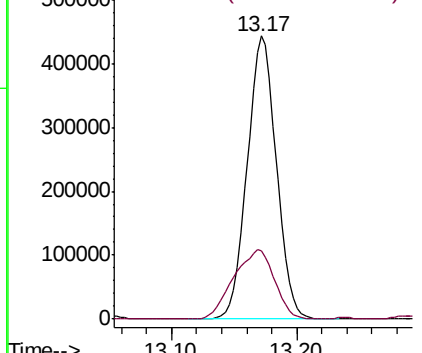
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 16.219 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN054396.D

Acq: 18 Mar 2019 16:16

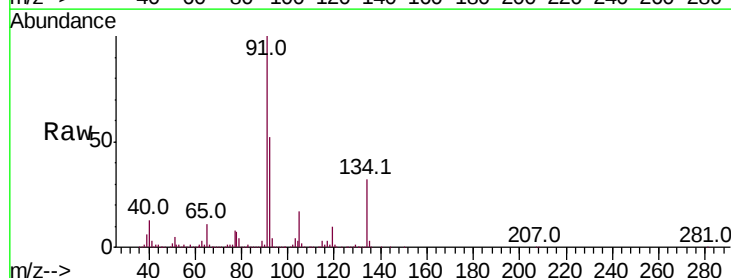
Tgt Ion: 91 Resp: 818465

Ion Ratio Lower Upper

91 100

92 44.2 26.2 78.6

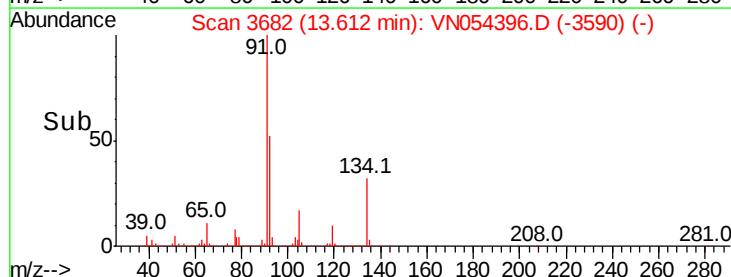
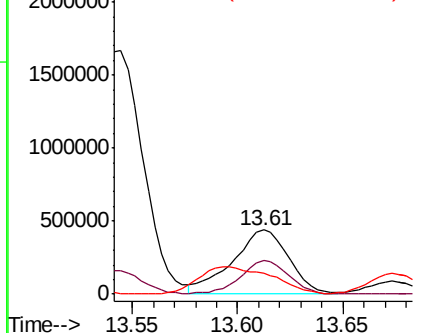
134 55.3 14.3 42.9#

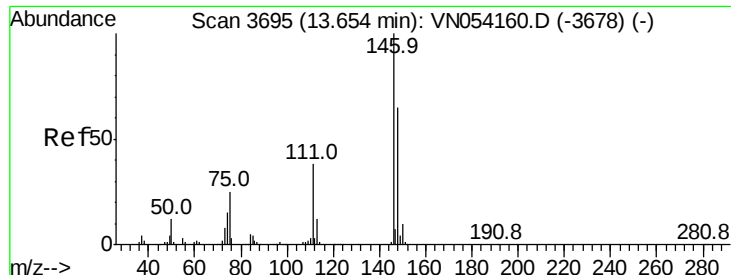


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#91
 1,2-Dichlorobenzene
 Concen: 0.371 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN054396.D
 Acq: 18 Mar 2019 16:16

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-MW-5-9.0-031419

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.5	19.1	57.3
148	62.4	32.4	97.0

Manual Integrations
 APPROVED

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