

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
 Data File : VN054290.D
 Acq On : 15 Mar 2019 5:01
 Operator : JC/SP
 Sample : K1902-16
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30307-08-09-10-11

Manual Integrations
 APPROVED

MMDadoda
 3/15/2019 10:14:41 AM

Quant Time: Mar 15 07:44:10 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	1314546	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2168564	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2324483	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1028845	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	708884	50.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.56%	
35) Dibromofluoromethane	7.59	113	677244	48.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.84%	
50) Toluene-d8	10.09	98	2722919	52.72	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.44%	
62) 4-Bromofluorobenzene	12.40	95	1052544	58.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.48%	
Target Compounds						
					Qvalue	
16) Acetone	3.82	43	152475	38.145	ug/l	99
20) Methylene Chloride	4.55	84	102452	7.806	ug/l	97
25) 2-Butanone	6.85	43	569304	121.348	ug/l	99
40) Benzene	8.04	78	59122	1.035	ug/l	99
52) Toluene	10.15	92	21063261m	581.286	ug/l	
67) Ethyl Benzene	11.51	91	120430	1.423	ug/l	100
68) m/p-Xylenes	11.62	106	200529	6.064	ug/l	99
69) o-Xylene	11.95	106	136644	4.239	ug/l	100
73) Isopropylbenzene	12.25	105	54534	0.663	ug/l	98
78) n-propylbenzene	12.59	91	117704	1.318	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	255331	3.729	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1004847	14.960	ug/l	100
85) sec-Butylbenzene	13.17	105	42927	0.525	ug/l	88
86) p-Isopropyltoluene	13.29	119	39627	0.553	ug/l	96
89) n-Butylbenzene	13.61	91	26565	0.488	ug/l #	71
95) Naphthalene	15.13	128	95537	5.440	ug/l	100

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

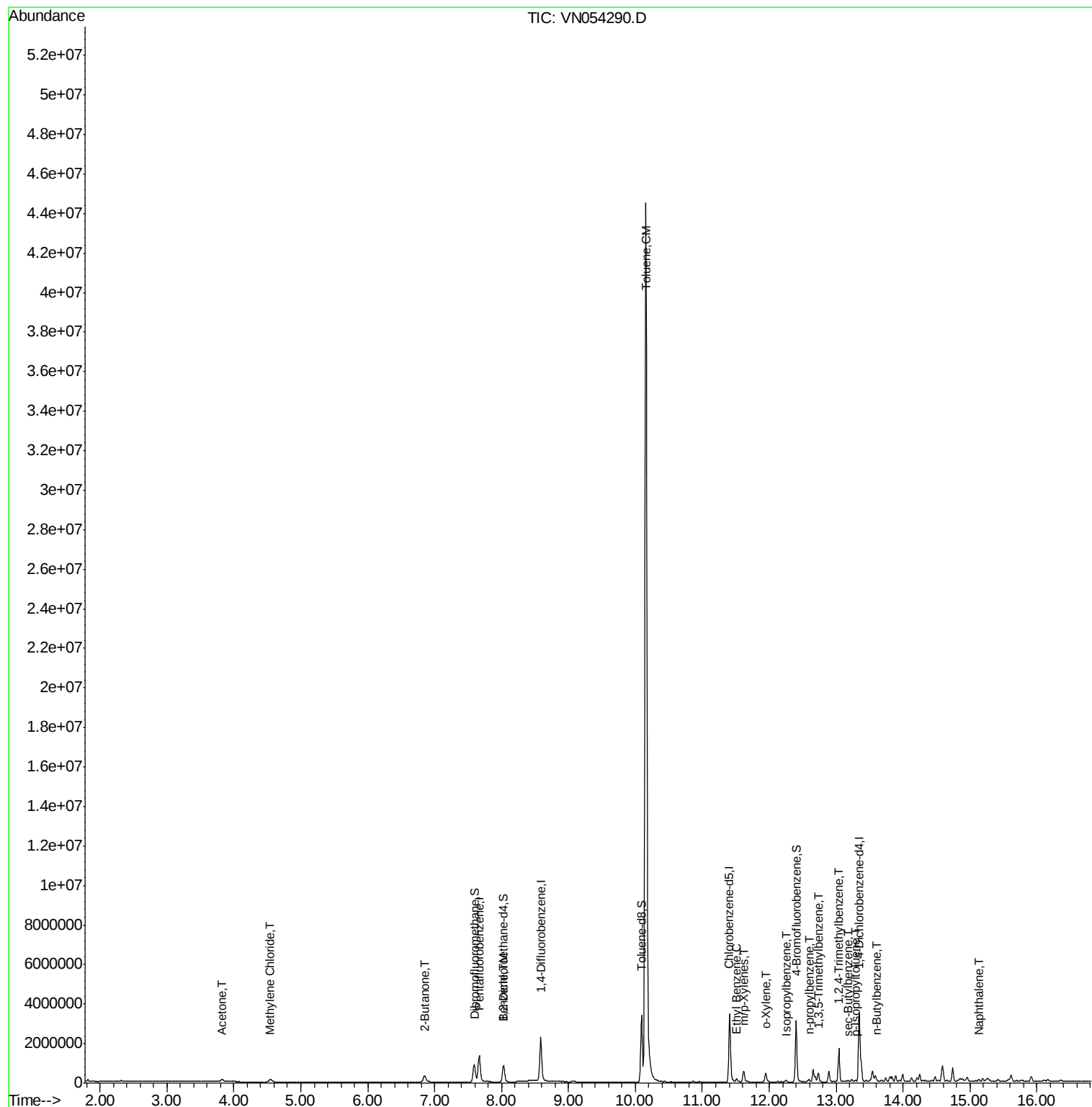
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031419\
Data File : VN054290.D
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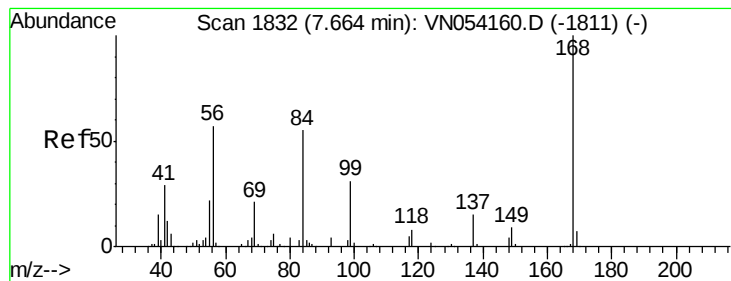
Instrument :
MSVOA_N
ClientSampleId :
30307-08-09-10-11

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Quant Time: Mar 15 07:44:10 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: VN054290.D

Acq: 15 Mar 2019 5:01

Instrument :

MSVOA_N

ClientSampleId :

30307-08-09-10-11

Tgt Ion:168 Resp: 1314546

Ion Ratio Lower Upper

168 100

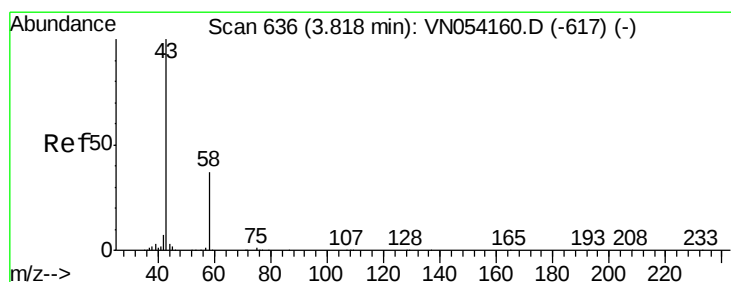
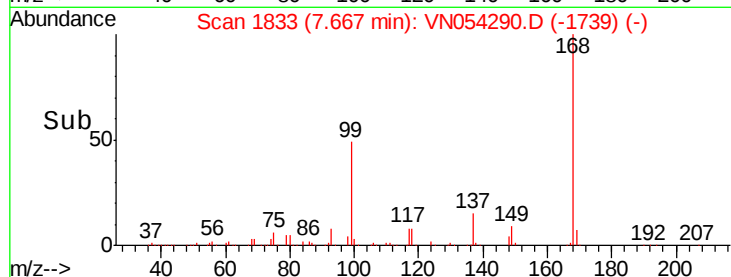
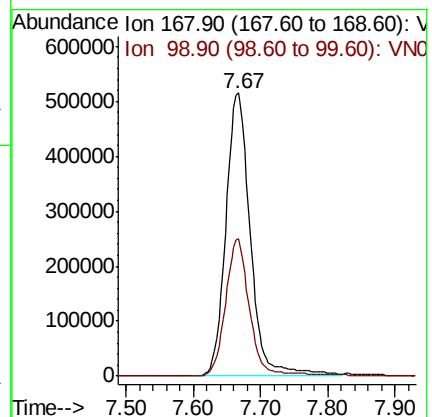
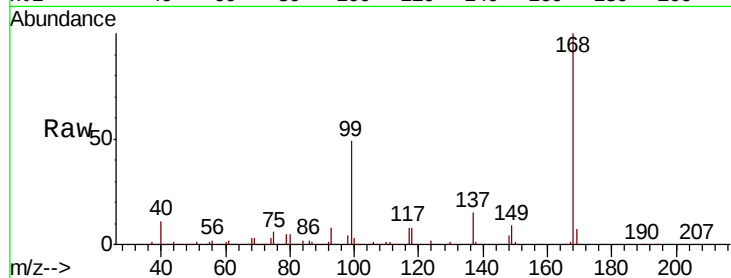
99 48.5 37.1 55.7

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#16

Acetone

Concen: 38.145 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054290.D

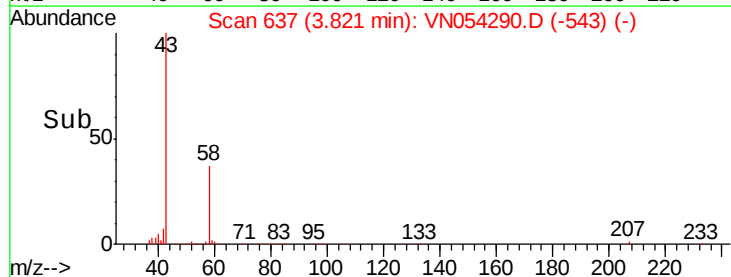
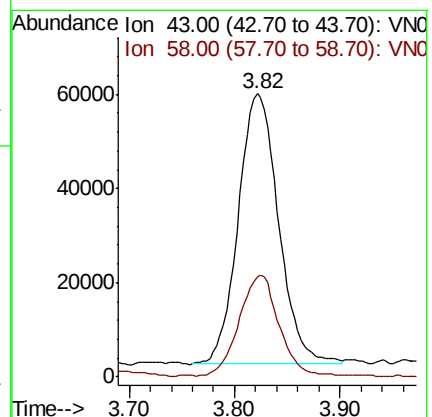
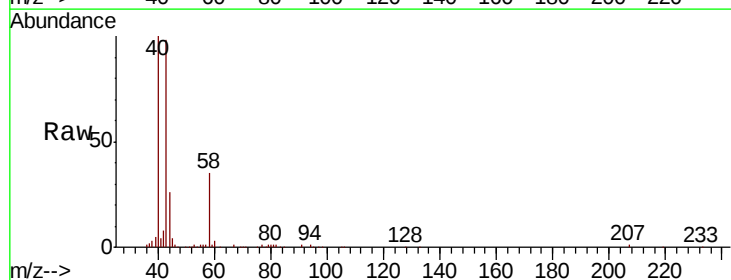
Acq: 15 Mar 2019 5:01

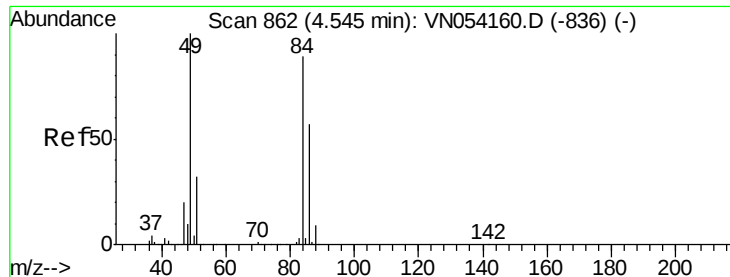
Tgt Ion: 43 Resp: 152475

Ion Ratio Lower Upper

43 100

58 36.5 29.9 44.9





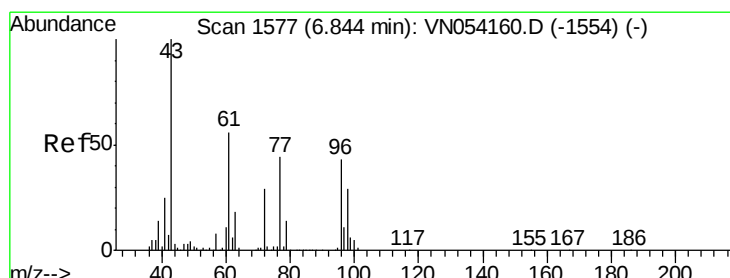
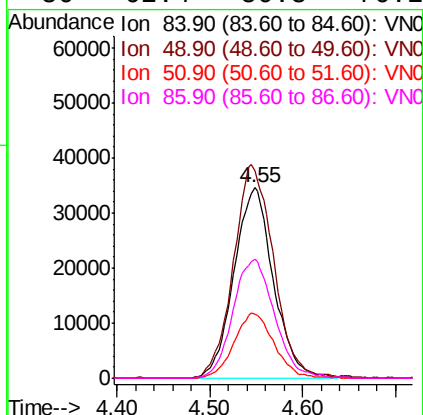
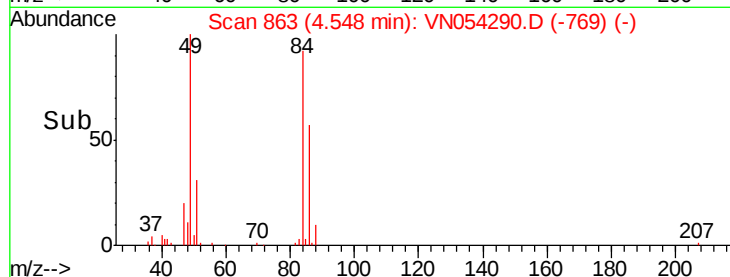
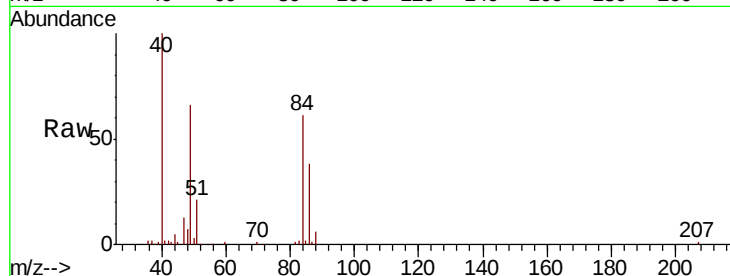
#20
Methylene Chloride
Concen: 7.806 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054290.D
Acq: 15 Mar 2019 5:01

Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
84	100		
49	108.7	89.7	134.5
51	33.9	28.2	42.4
86	62.4	50.8	76.2

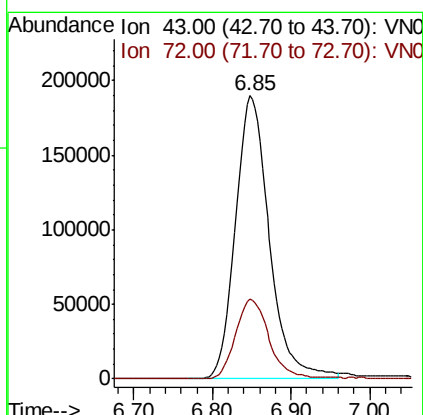
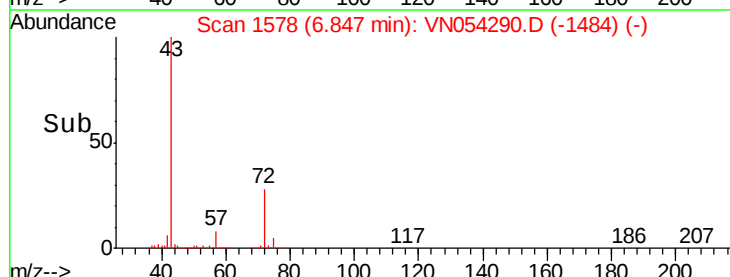
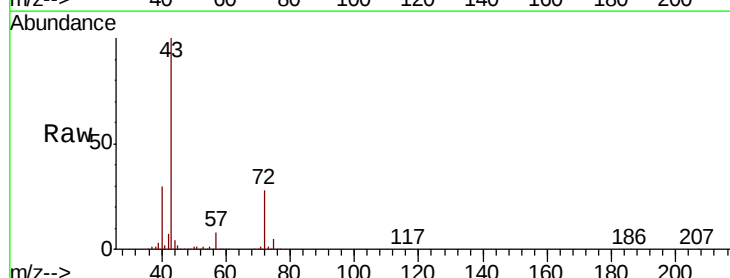
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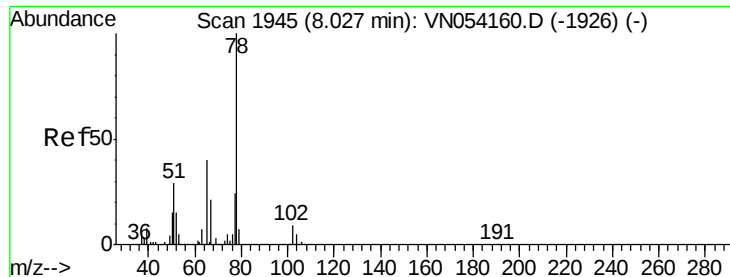
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#25
2-Butanone
Concen: 121.348 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.00 min
Lab File: VN054290.D
Acq: 15 Mar 2019 5:01

Tgt Ion	Ratio	Lower	Upper
43	100		
72	28.3	23.0	34.6





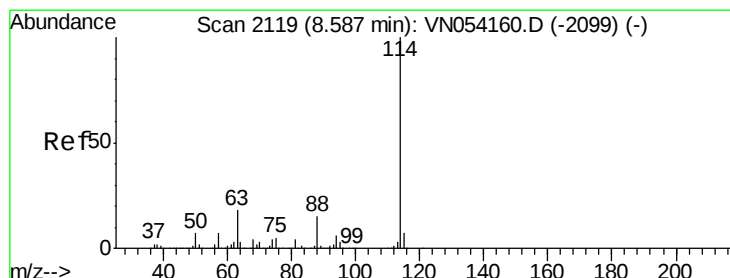
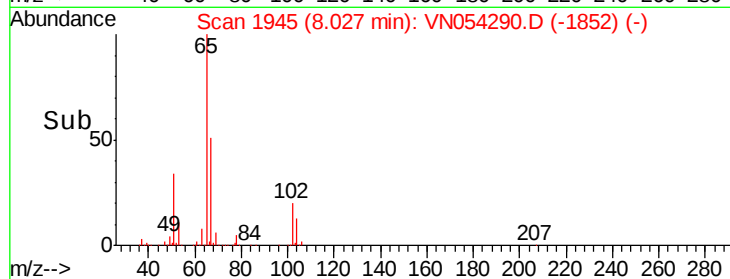
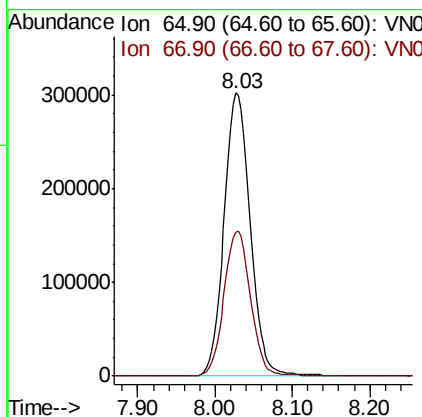
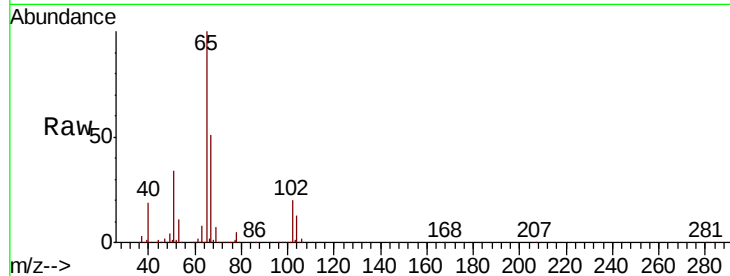
#33
 1,2-Dichloroethane-d4
 Concen: 50.778 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054290.D
 Acq: 15 Mar 2019 5:01

Instrument :
 MSVOA_N
 ClientSampleId :
 30307-08-09-10-11

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	708884		
67	52.0	0.0	104.6	

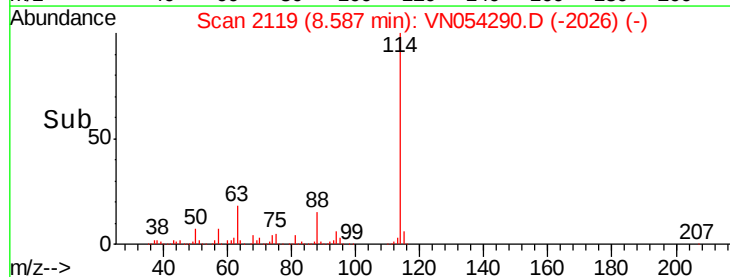
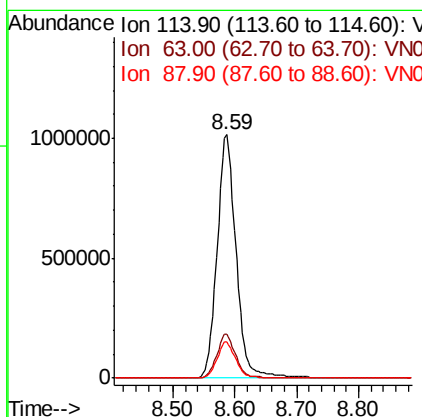
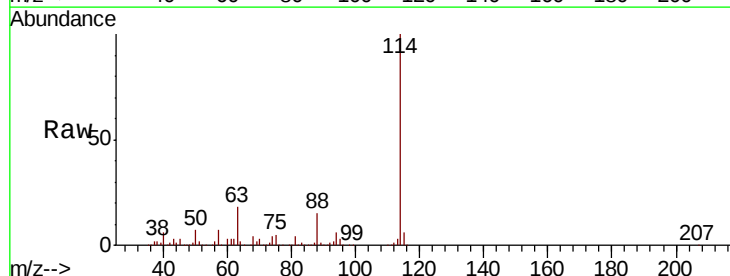
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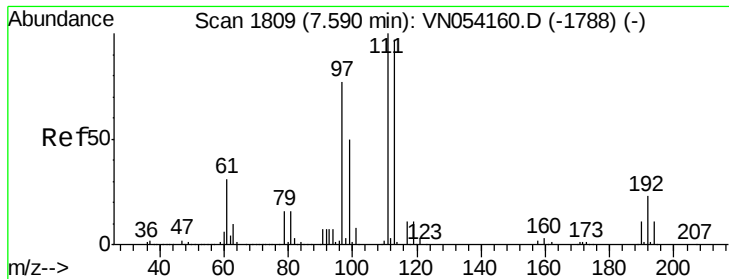
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054290.D
 Acq: 15 Mar 2019 5:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	2168564		
63	18.0	0.0	35.2	
88	14.8	0.0	30.2	





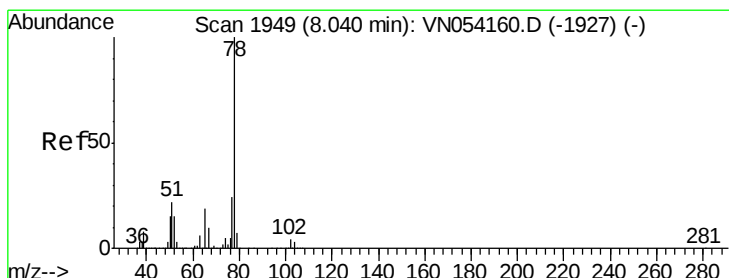
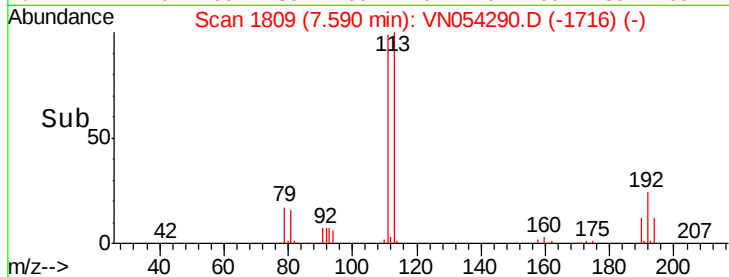
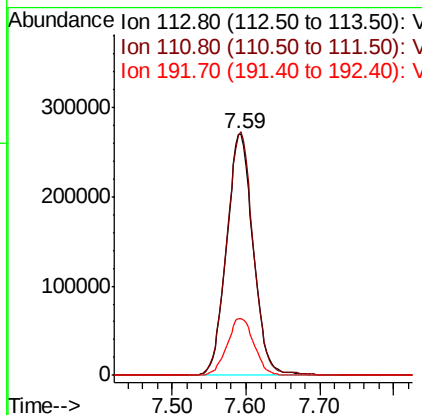
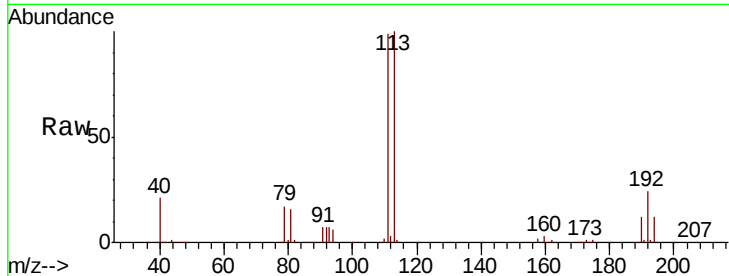
#35
Dibromofluoromethane
Concen: 48.422 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN054290.D
Acq: 15 Mar 2019 5:01

Instrument :
MSVOA_N
ClientSampleId :
30307-08-09-10-11

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	677244		
111	101.0	82.2	123.4	
192	23.9	19.2	28.8	

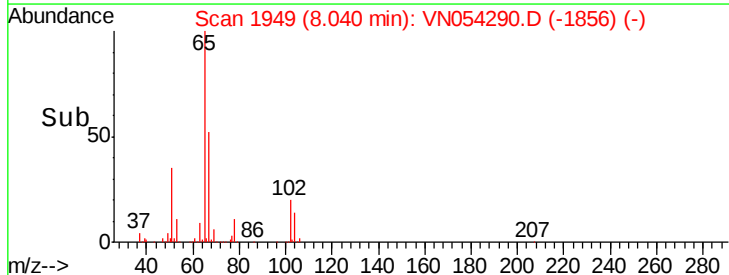
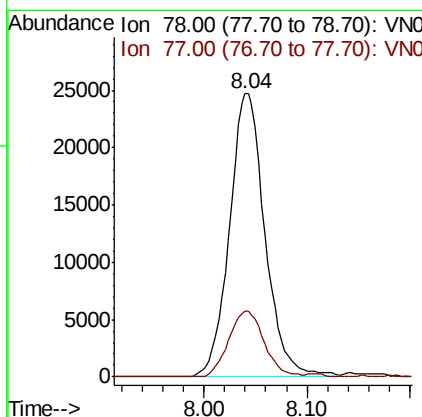
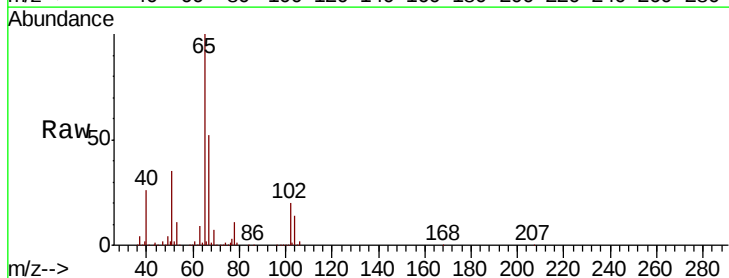
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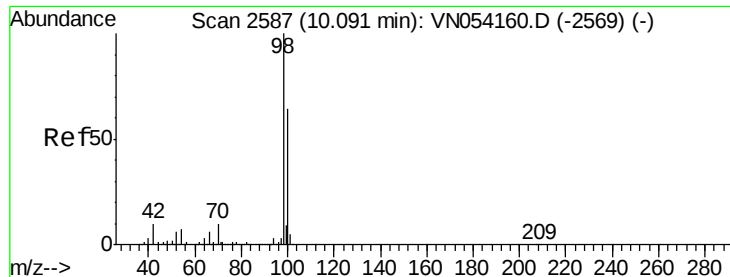
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#40
Benzene
Concen: 1.035 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. -0.00 min
Lab File: VN054290.D
Acq: 15 Mar 2019 5:01

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	59122		
77	23.3	19.1	28.7	





#50

Toluene-d8

Concen: 52.715 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054290.D

Acq: 15 Mar 2019 5:01

Instrument :

MSVOA_N

ClientSampleId :

30307-08-09-10-11

Tgt Ion: 98 Resp: 2722919

Ion Ratio Lower Upper

98 100

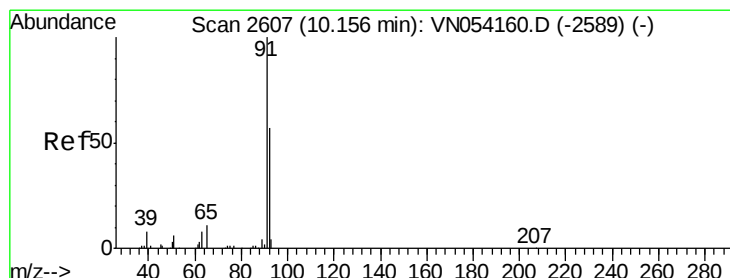
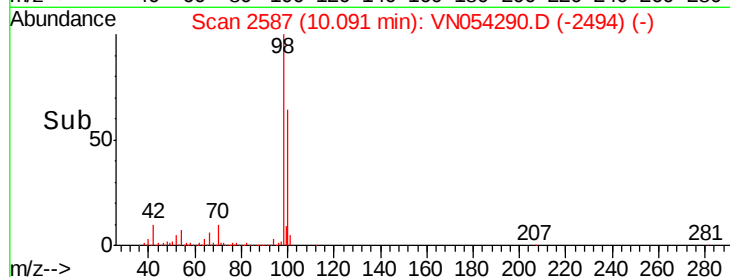
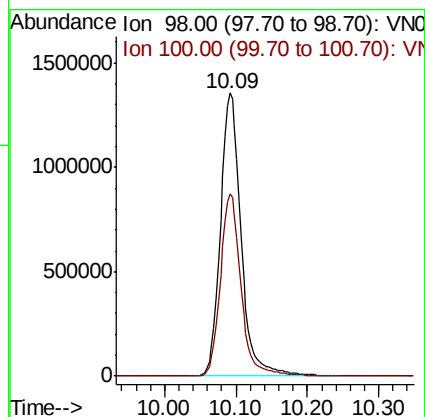
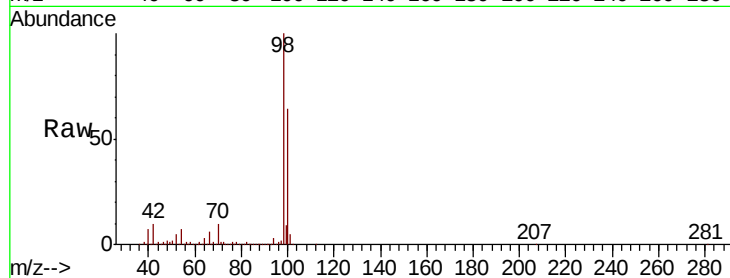
100 64.2 51.2 76.8

Manual Integrations

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#52

Toluene

Concen: 581.286 ug/l m

RT: 10.15 min Scan# 2604

Delta R.T. -0.01 min

Lab File: VN054290.D

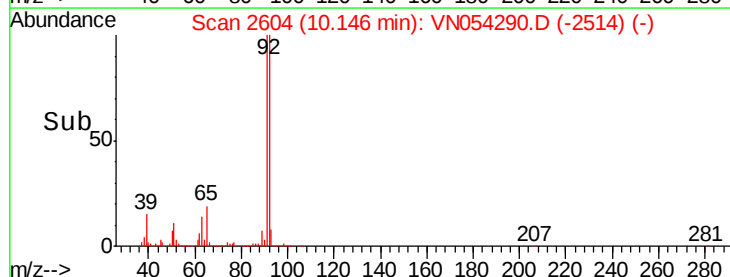
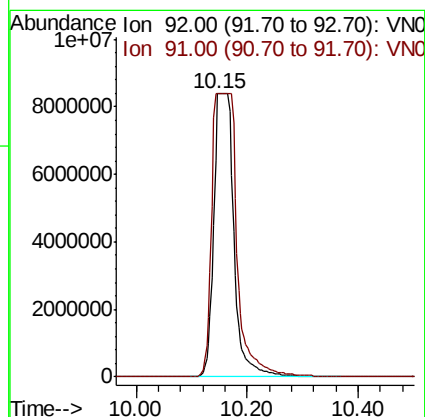
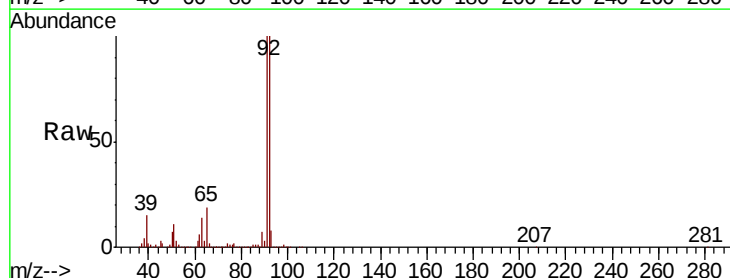
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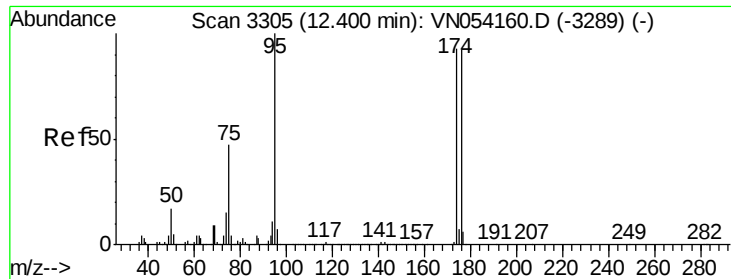
Tgt Ion: 92 Resp: 21063261

Ion Ratio Lower Upper

92 100

91 0.0 140.7 211.1#





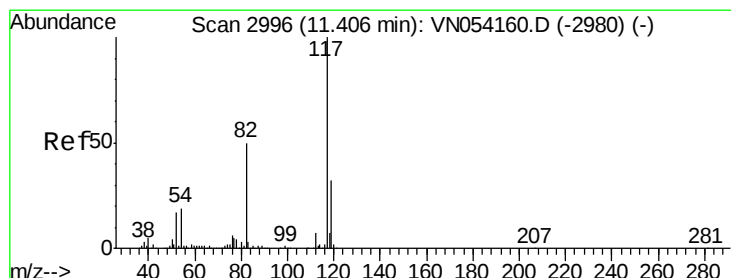
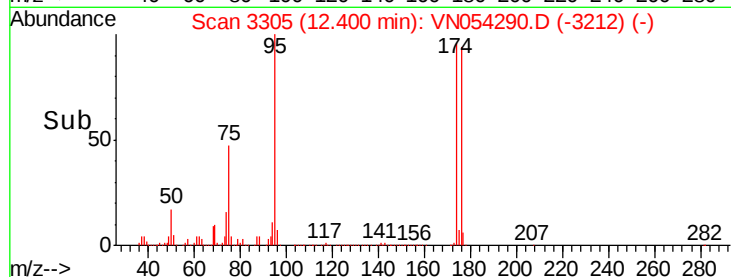
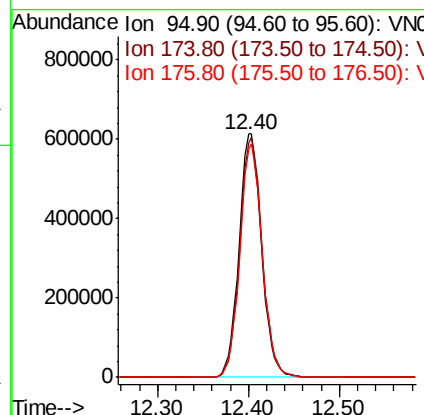
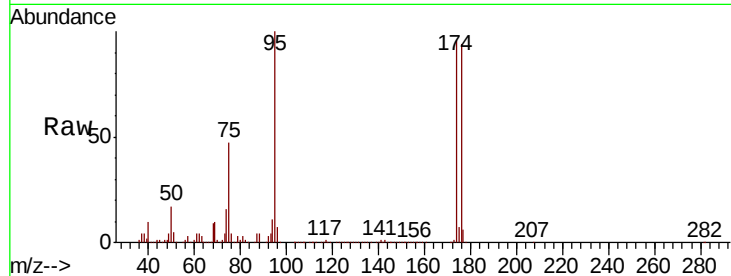
#62
4-Bromofluorobenzene
Concen: 58.236 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN054290.D
Acq: 15 Mar 2019 5:01

Instrument :
MSVOA_N
ClientSampleId :
30307-08-09-10-11

Tgt Ion	Ratio	Lower	Upper
95	100		
174	98.3	0.0	191.0
176	94.9	0.0	187.4

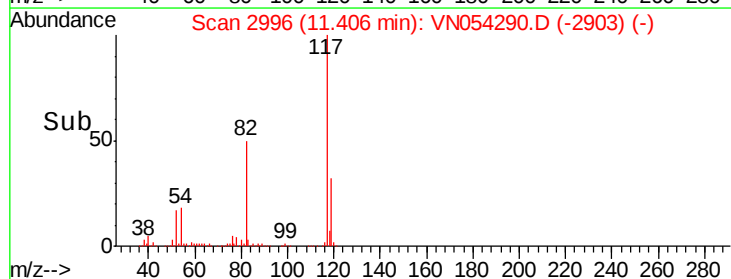
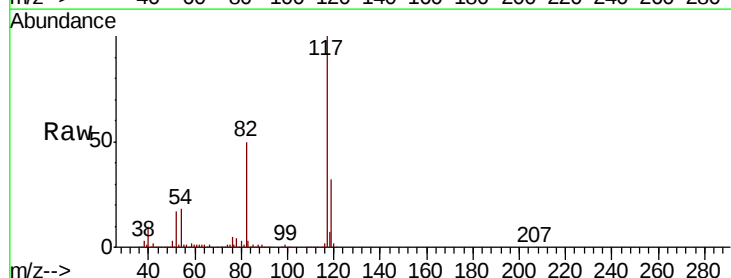
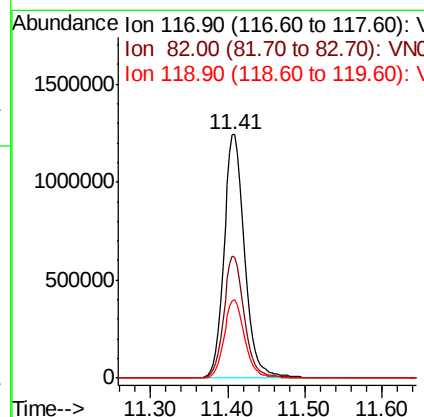
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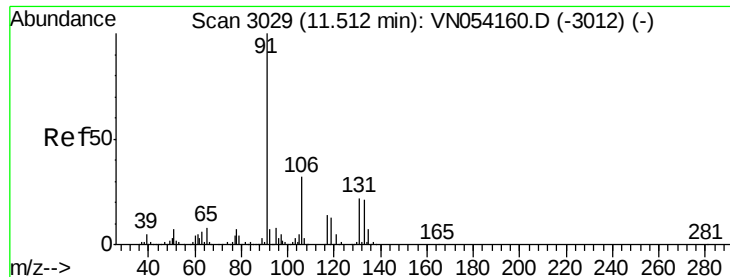
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054290.D
Acq: 15 Mar 2019 5:01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.0	40.0	60.0
119	32.0	25.8	38.6





#67

Ethyl Benzene

Concen: 1.423 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN054290.D

Acq: 15 Mar 2019 5:01

Instrument :

MSVOA_N

ClientSampleId :

30307-08-09-10-11

Tgt Ion: 91 Resp: 120430

Ion Ratio Lower Upper

91 100

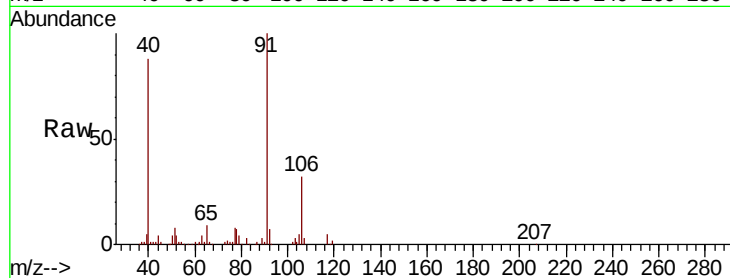
106 32.0 25.5 38.3

Manual Integrations

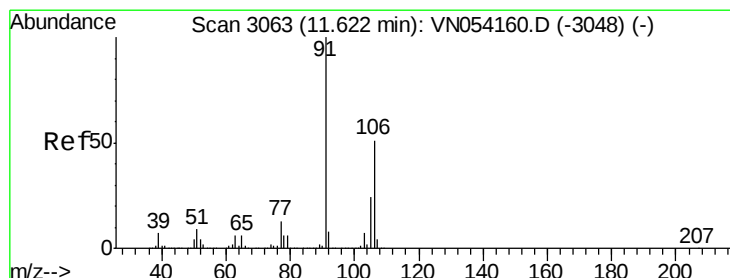
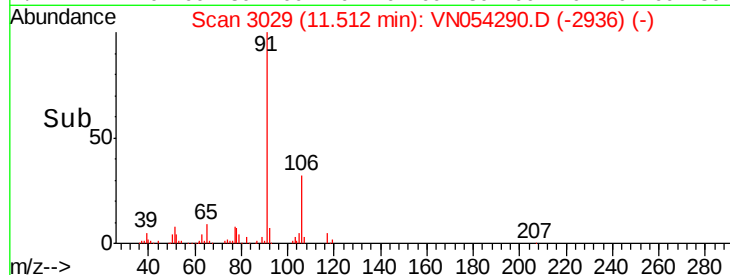
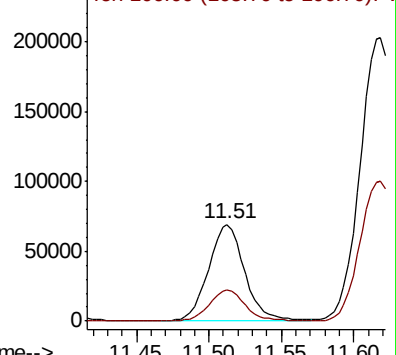
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3/15/2019 10:14:41 AM



Abundance Ion 91.00 (90.70 to 91.70): VN054290.D (-2936) (-)



#68

m/p-Xylenes

Concen: 6.064 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN054290.D

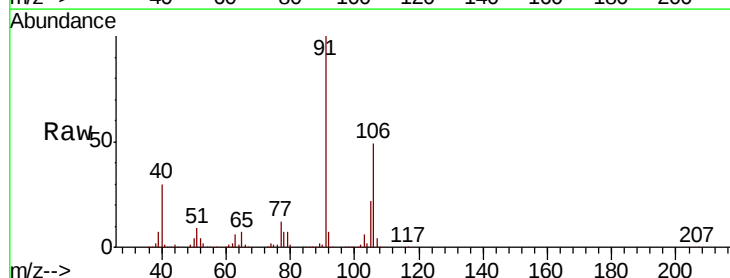
Acq: 15 Mar 2019 5:01

Tgt Ion: 106 Resp: 200529

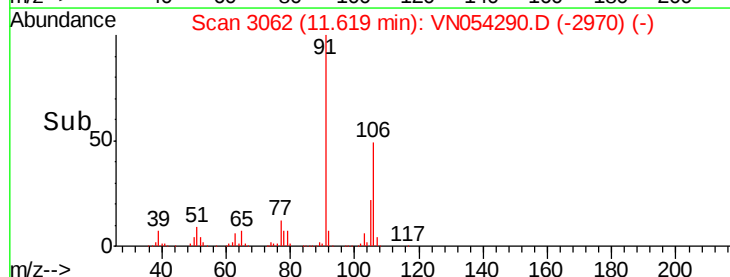
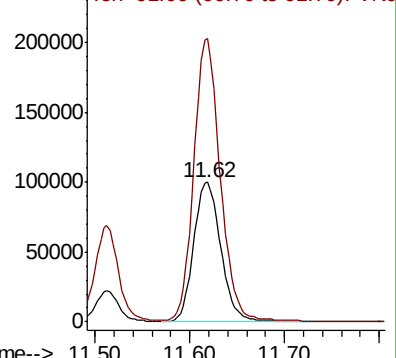
Ion Ratio Lower Upper

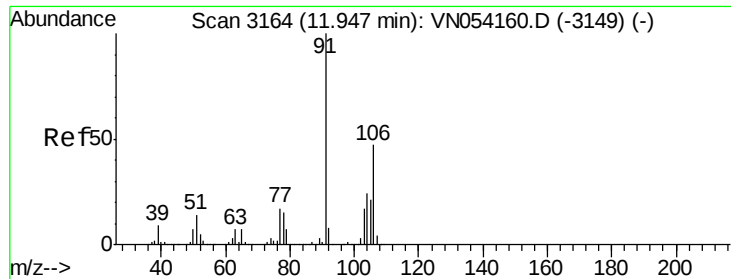
106 100

91 197.1 159.4 239.2



Abundance Ion 106.00 (105.70 to 106.70): VN054290.D (-2970) (-)





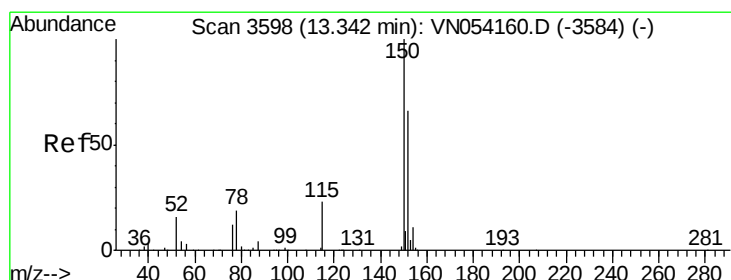
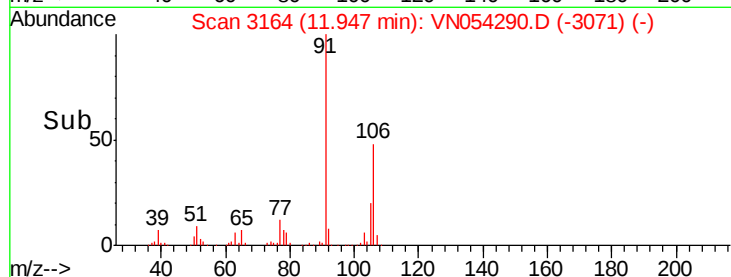
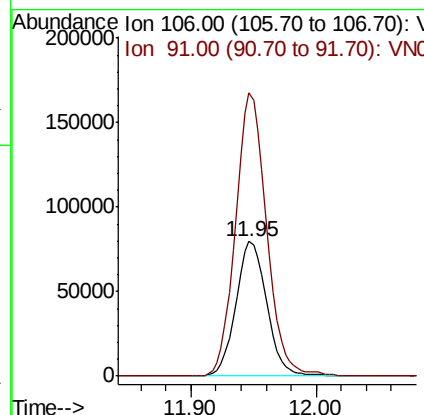
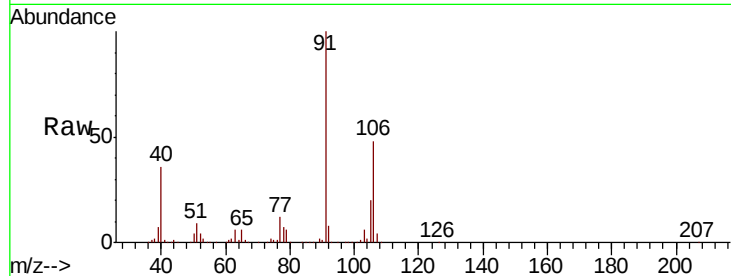
#69
o-Xylene
Concen: 4.239 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN054290.D
Acq: 15 Mar 2019 5:01

Instrument :
MSVOA_N
ClientSampleId :
30307-08-09-10-11

Tgt Ion:106 Resp: 136644
Ion Ratio Lower Upper
106 100
91 211.7 105.7 317.1

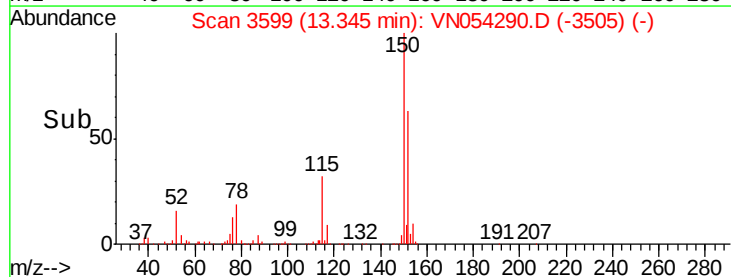
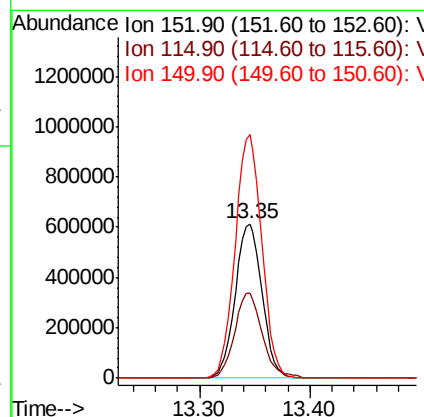
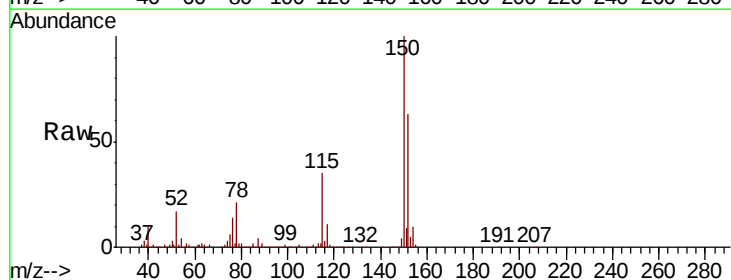
Manual Integrations
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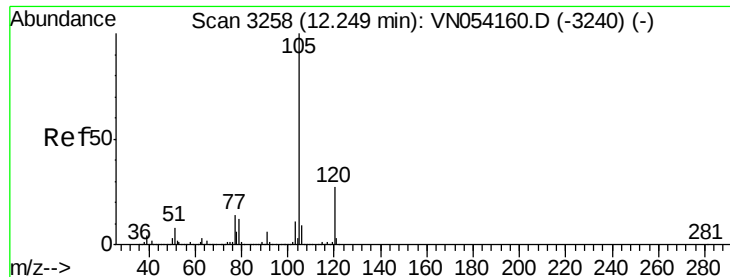
MMDadoda
3/15/2019 10:14:41 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN054290.D
Acq: 15 Mar 2019 5:01

Tgt Ion:152 Resp: 1028845
Ion Ratio Lower Upper
152 100
115 56.9 27.2 81.6
150 157.4 0.0 349.2





#73

Isopropylbenzene

Concen: 0.663 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN054290.D

Acq: 15 Mar 2019 5:01

Instrument :

MSVOA_N

ClientSampleId :

30307-08-09-10-11

Tgt Ion: 105 Resp: 54534

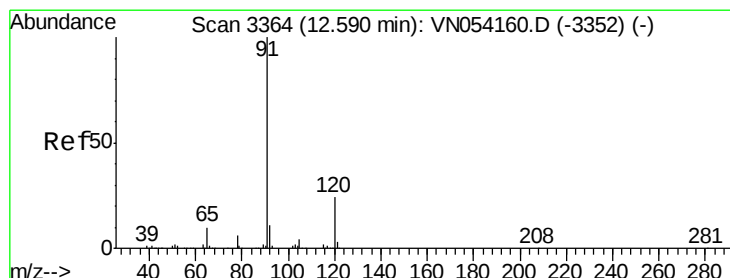
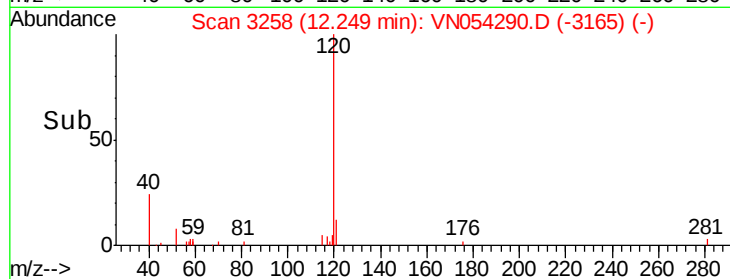
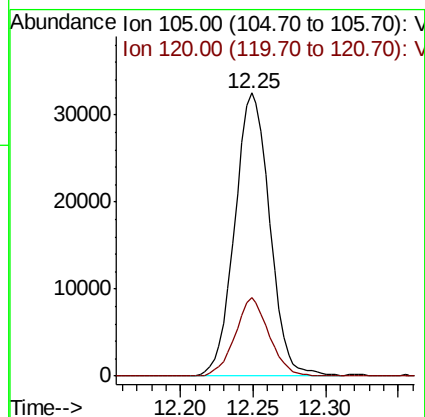
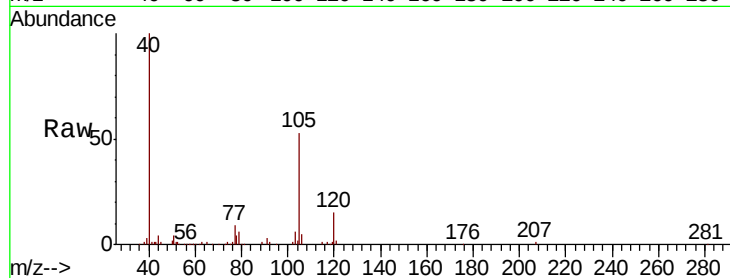
Ion Ratio Lower Upper

105 100

120 26.7 13.8 41.3

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#78

n-propylbenzene

Concen: 1.318 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN054290.D

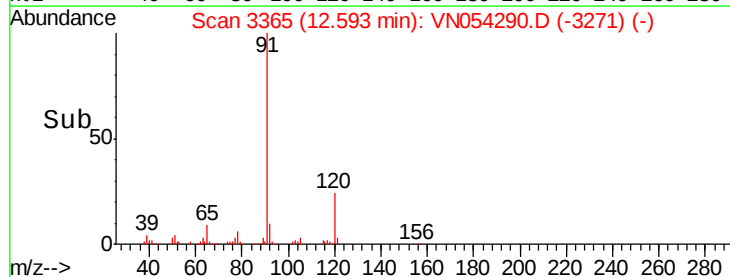
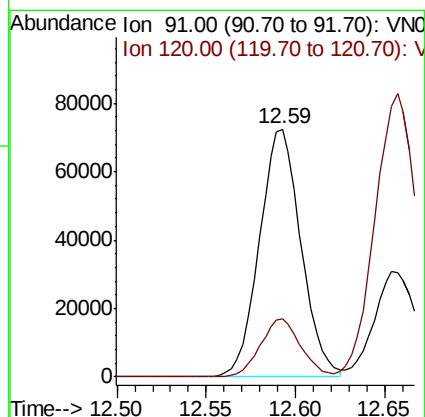
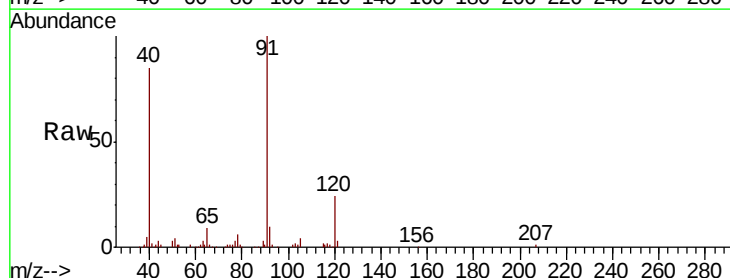
Acq: 15 Mar 2019 5:01

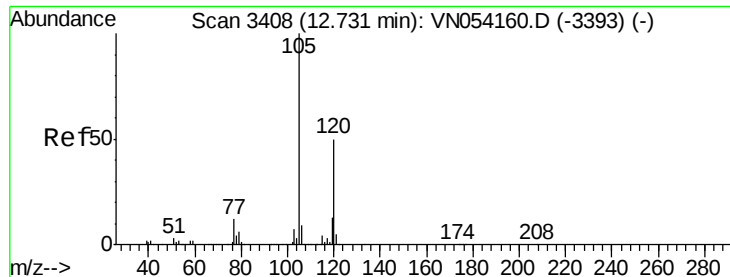
Tgt Ion: 91 Resp: 117704

Ion Ratio Lower Upper

91 100

120 23.0 12.3 36.9





#80

1,3,5-Trimethylbenzene

Concen: 3.729 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054290.D

Acq: 15 Mar 2019 5:01

Instrument :

MSVOA_N

ClientSampleId :

30307-08-09-10-11

Tgt Ion:105 Resp: 255331

Ion Ratio Lower Upper

105 100

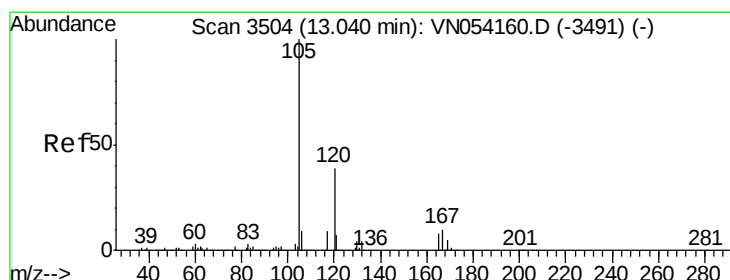
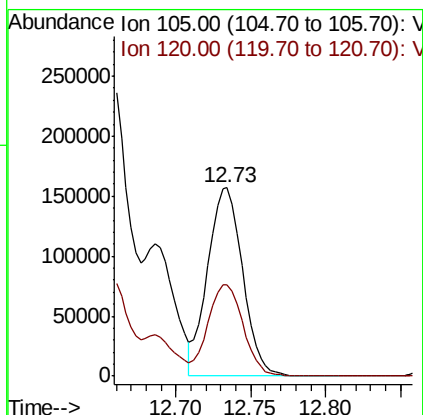
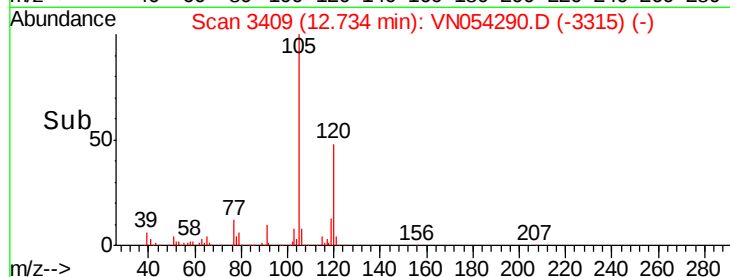
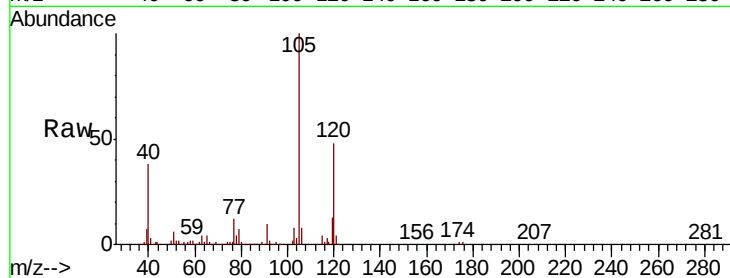
120 49.2 25.0 75.0

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#84

1,2,4-Trimethylbenzene

Concen: 14.960 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN054290.D

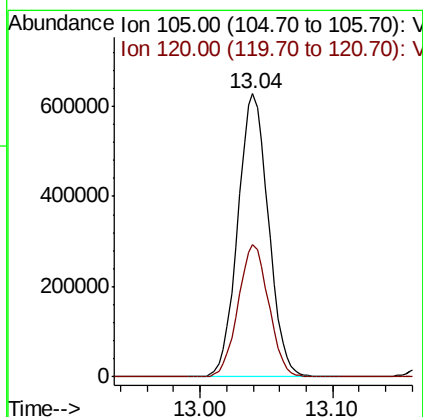
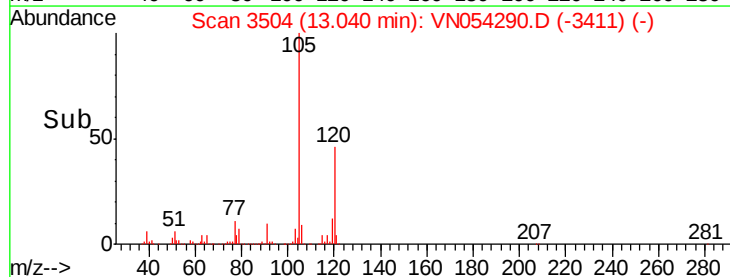
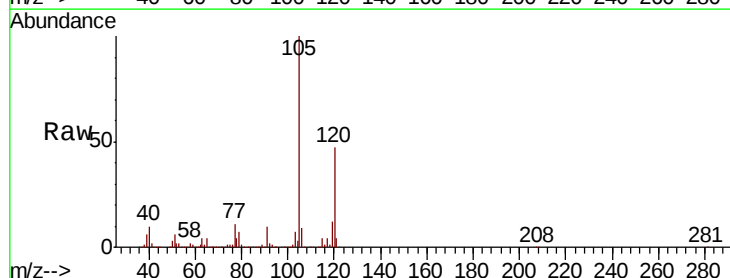
Acq: 15 Mar 2019 5:01

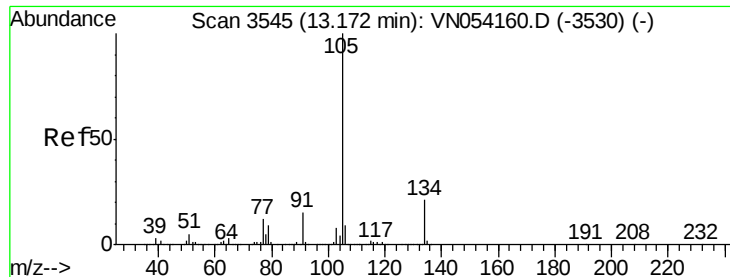
Tgt Ion:105 Resp: 1004847

Ion Ratio Lower Upper

105 100

120 46.7 23.4 70.3





#85

sec-Butylbenzene

Concen: 0.525 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN054290.D

Acq: 15 Mar 2019 5:01

Instrument :

MSVOA_N

ClientSampleId :

30307-08-09-10-11

Tgt Ion:105 Resp: 42927

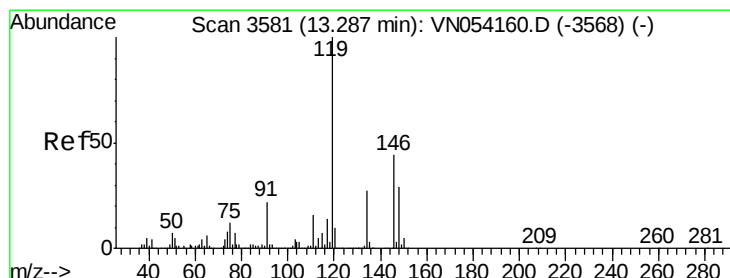
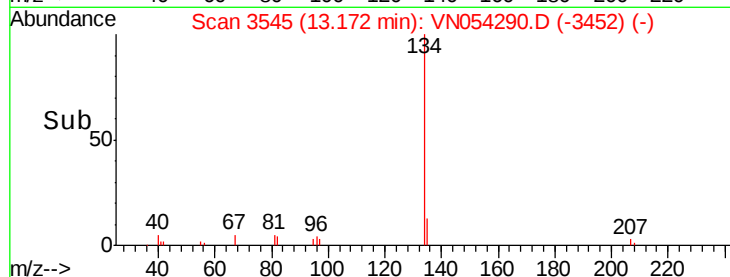
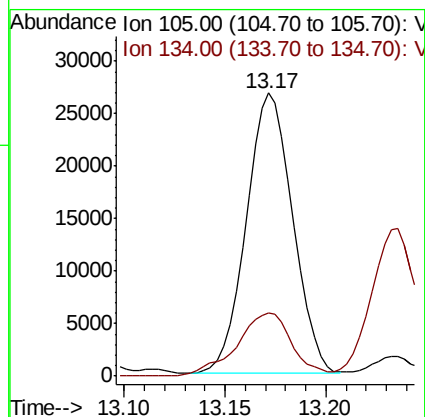
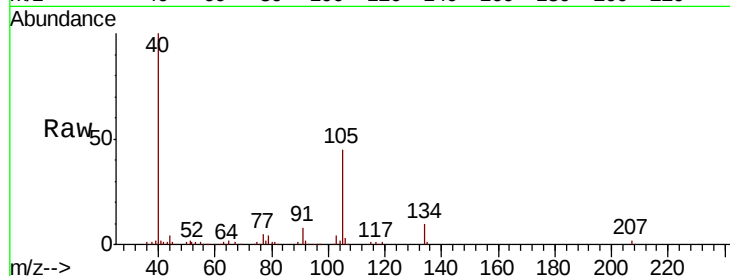
Ion Ratio Lower Upper

105 100

134 26.9 10.7 32.1

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#86

p-Isopropyltoluene

Concen: 0.553 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN054290.D

Acq: 15 Mar 2019 5:01

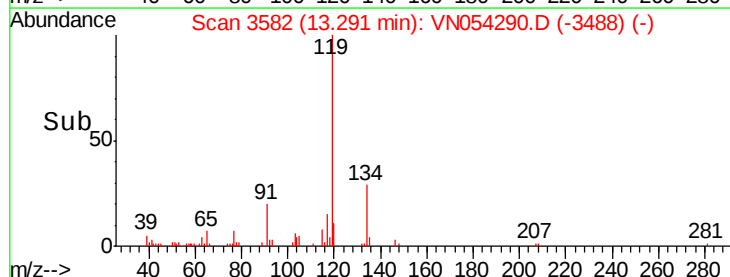
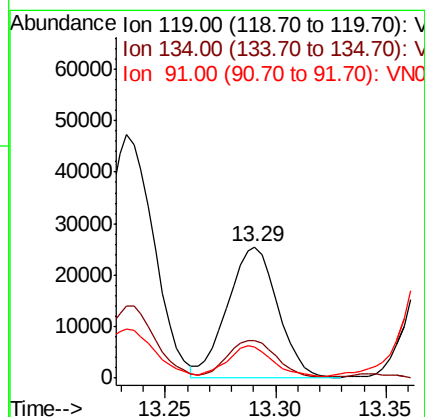
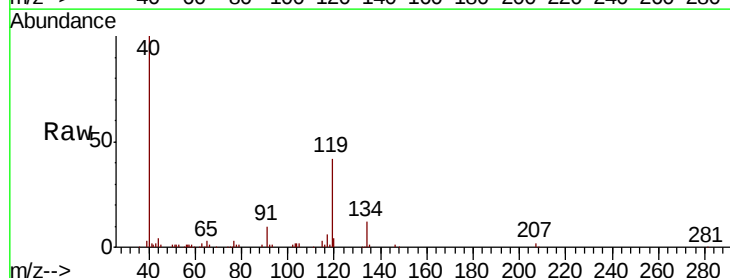
Tgt Ion:119 Resp: 39627

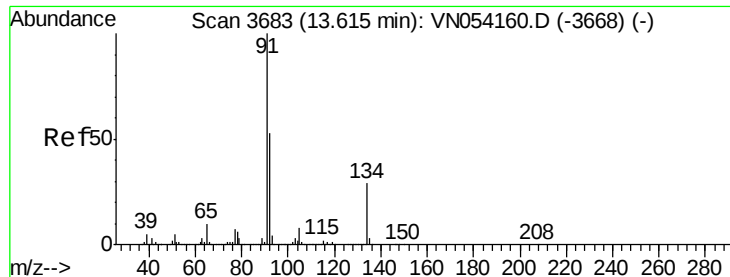
Ion Ratio Lower Upper

119 100

134 29.4 13.6 40.8

91 20.6 11.1 33.3





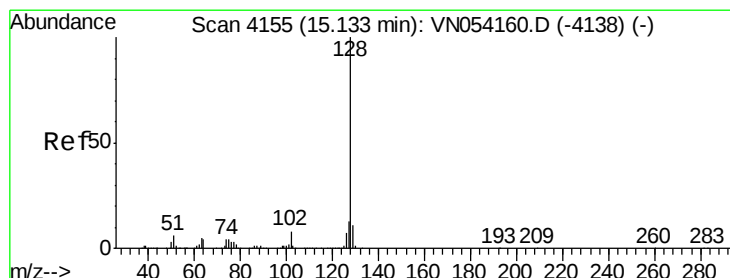
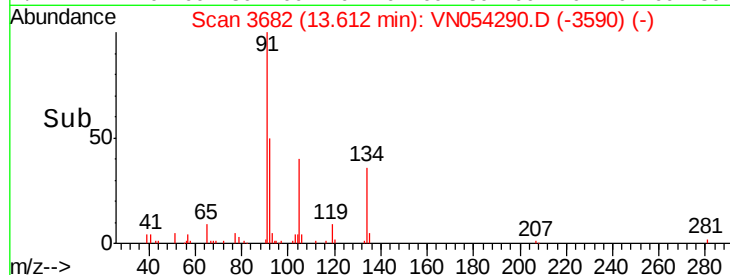
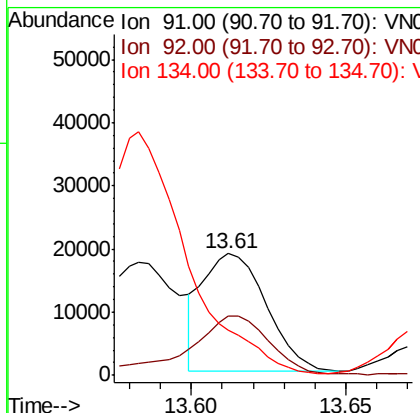
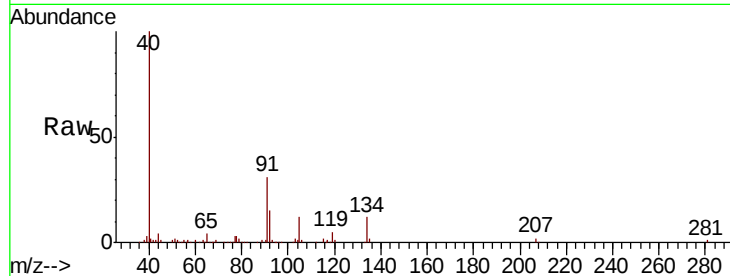
#89
n-Butylbenzene
Concen: 0.488 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN054290.D
Acq: 15 Mar 2019 5:01

Instrument :
MSVOA_N
ClientSampleId :
30307-08-09-10-11

Tgt Ion	Ratio	Lower	Upper
91	100		
92	63.2	26.2	78.6
134	0.0	14.3	42.9#

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#95
Naphthalene
Concen: 5.440 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN054290.D
Acq: 15 Mar 2019 5:01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.1	15.1
129	11.0	8.7	13.1

