

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092920\
 Data File : VN063730.D
 Acq On : 29 Sep 2020 16:40
 Operator : JC/MD
 Sample : L4178-04DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-4DL

Manual Integrations
 APPROVED

MMDadoda
 9/30/2020 1:20:39 PM

Quant Time: Sep 30 02:09:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	203672	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	364261	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	372007	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	198759	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	163154	47.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.12%	
35) Dibromofluoromethane	7.55	113	116549	46.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.44%	
50) Toluene-d8	10.06	98	475146	50.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.22%	
62) 4-Bromofluorobenzene	12.38	95	198127	57.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	114.00%	
Target Compounds						
					Qvalue	
16) Acetone	3.78	43	8064m	7.237	ug/l	
31) Cyclohexane	7.61	56	83769	17.494	ug/l	97
39) Methylcyclohexane	9.05	83	157622	37.424	ug/l	99
52) Toluene	10.13	92	7770	1.167	ug/l	95
67) Ethyl Benzene	11.49	91	2613679	175.758	ug/l	98
68) m/p-Xylenes	11.59	106	43355	8.086	ug/l	99
69) o-Xylene	11.92	106	3419	0.669	ug/l	100
73) Isopropylbenzene	12.23	105	302980	19.023	ug/l	99
78) n-propylbenzene	12.57	91	1027721	55.400	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	1412376	106.342	ug/l	100
83) tert-Butylbenzene	12.97	119	2904m	0.265	ug/l	
84) 1,2,4-Trimethylbenzene	13.02	105	5955795	443.953	ug/l	85
85) sec-Butylbenzene	13.14	105	55083m	3.754	ug/l	
86) p-Isopropyltoluene	13.26	119	39933	3.086	ug/l #	71
89) n-Butylbenzene	13.59	91	45253m	3.794	ug/l	
95) Naphthalene	15.10	128	821583	64.701	ug/l	100

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

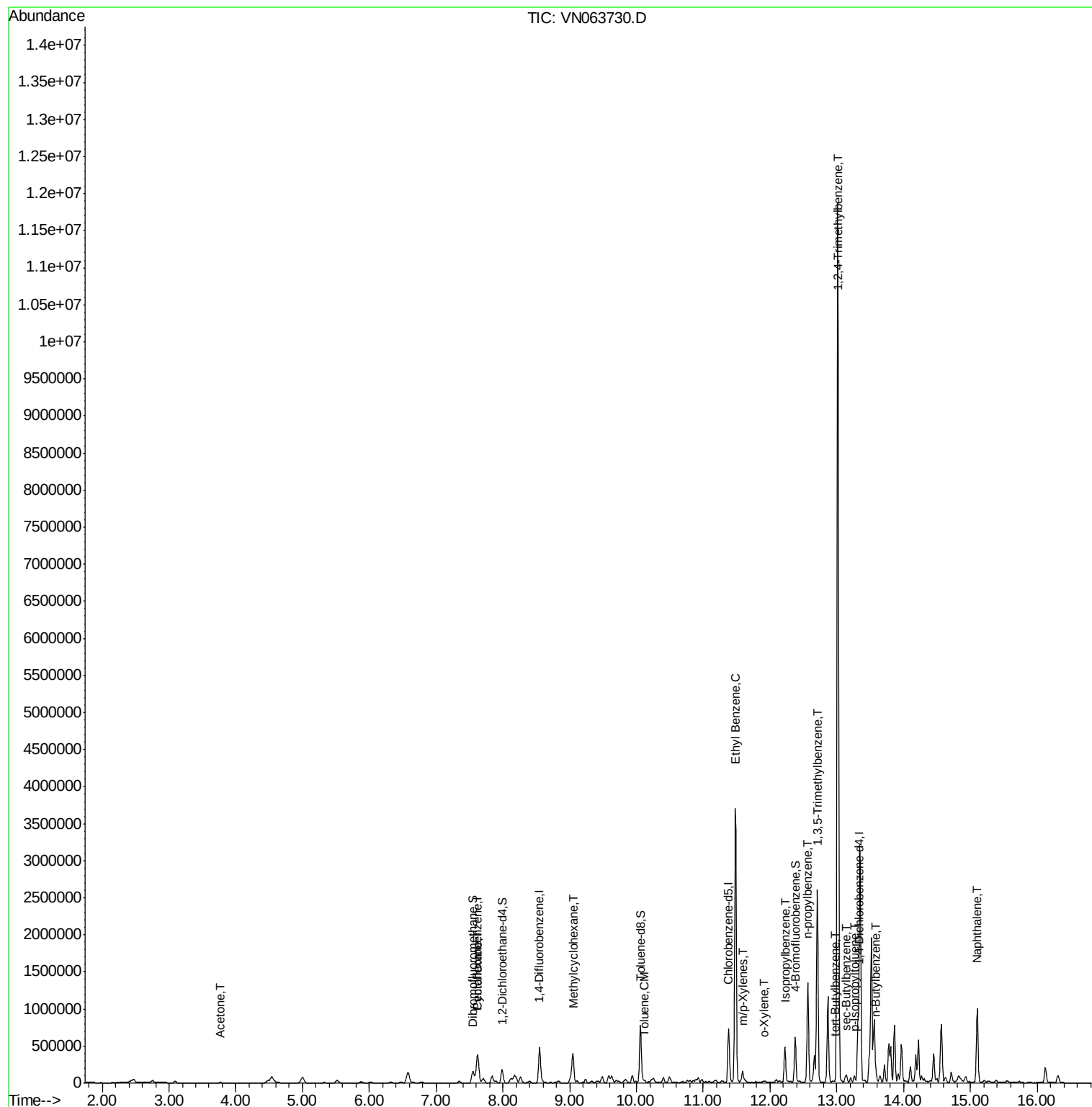
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092920\
Data File : VN063730.D
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ALS Vial : 12 Sample Multiplier: 1

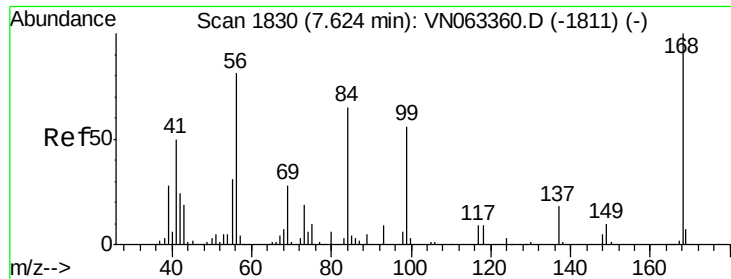
Instrument :
MSVOA_N
ClientSampleId :
TP-4DL

Manual Integrations
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Quant Time: Sep 30 02:09:29 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
Quant Title : SW846 8260
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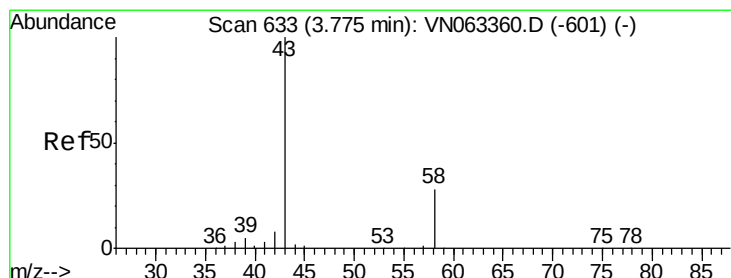
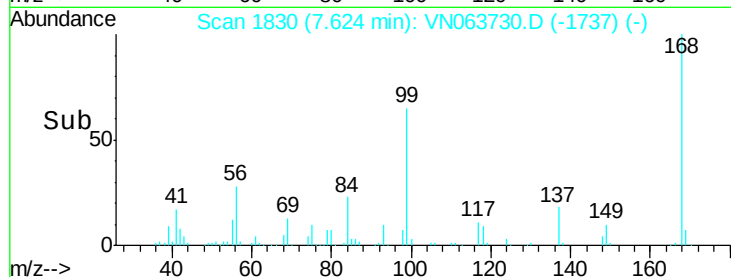
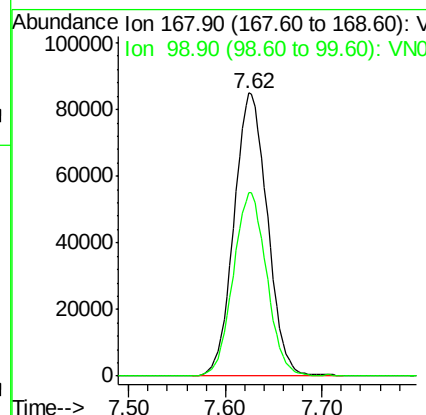
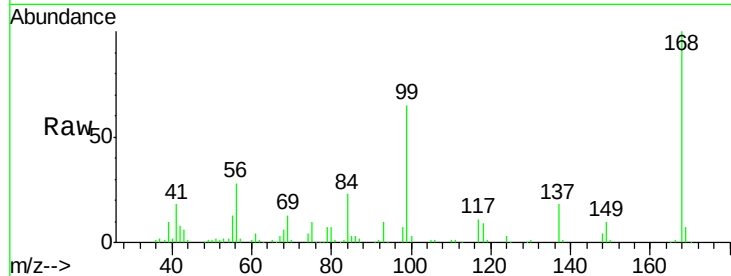
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. -0.00 min
Lab File: VN063730.D
Acq: 29 Sep 2020 16:40

Instrument :
MSVOA_N
ClientSampleId :
TP-4DL

Tot Ion	Ratio	Lower	Upper
168	100		
99	64.9	53.0	79.6

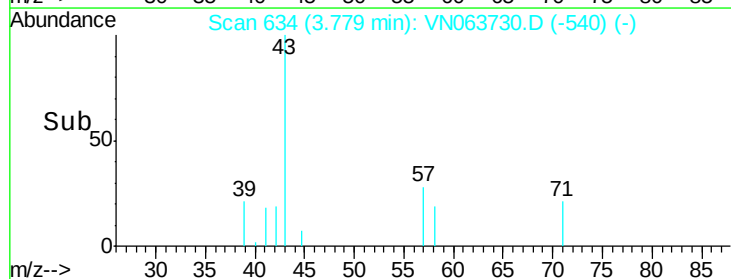
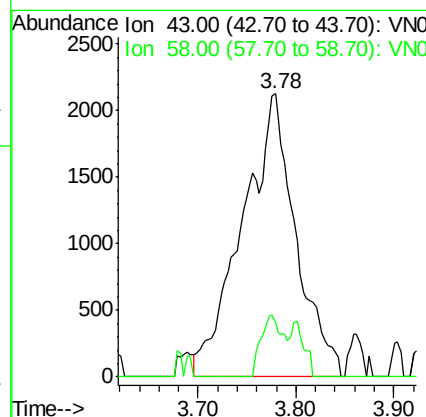
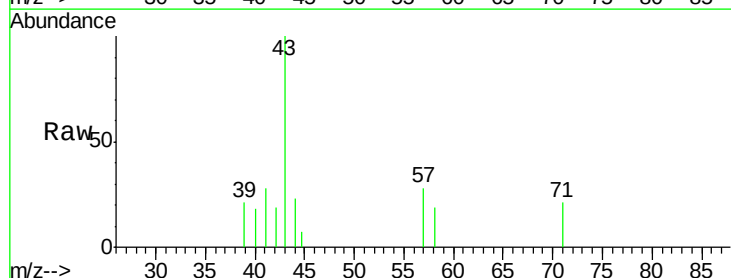
Manual Integrations
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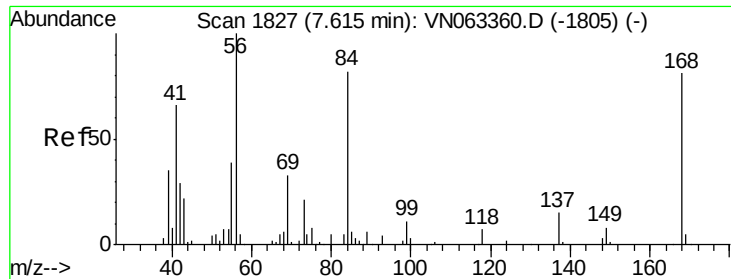
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#16
Acetone
Concen: 7.237 ug/l m
RT: 3.78 min Scan# 634
Delta R.T. 0.00 min
Lab File: VN063730.D
Acq: 29 Sep 2020 16:40

Tgt Ion	Ratio	Lower	Upper
43	100		
58	19.0	22.3	33.5#





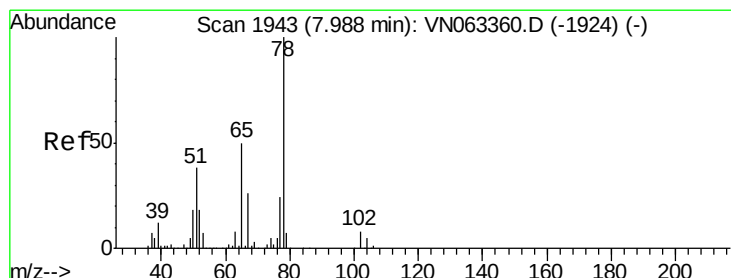
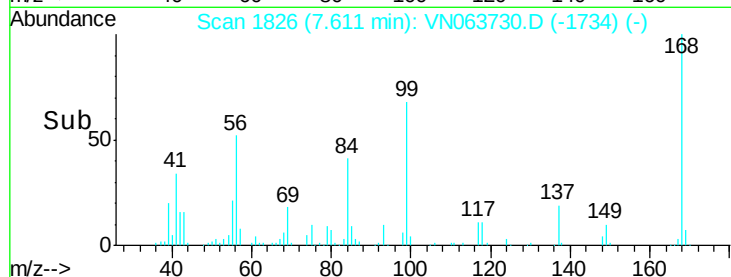
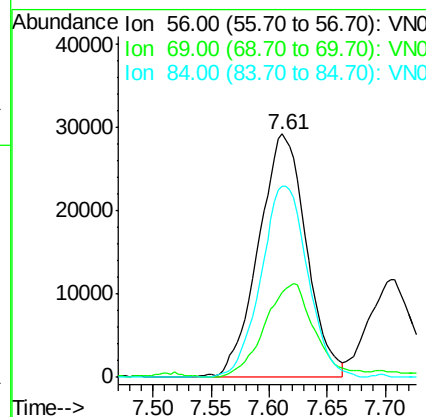
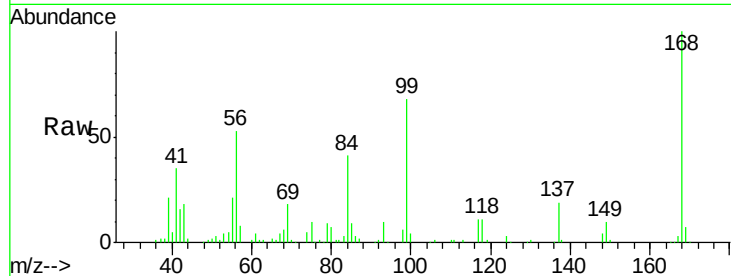
#31
Cyclohexane
Concen: 17.494 ug/l
RT: 7.61 min Scan# 1826
Delta R.T. -0.00 min
Lab File: VN063730.D
Acq: 29 Sep 2020 16:40

Instrument :
MSVOA_N
ClientSampled :
TP-4DL

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.3	26.1	39.1
84	78.5	65.4	98.2

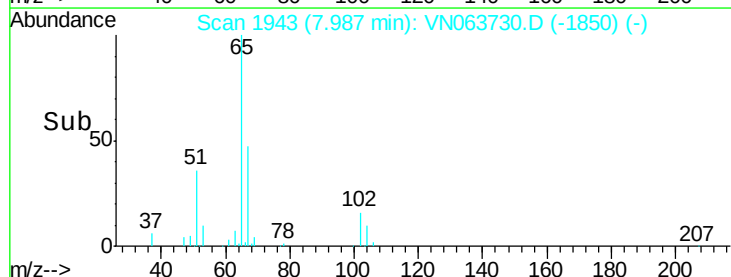
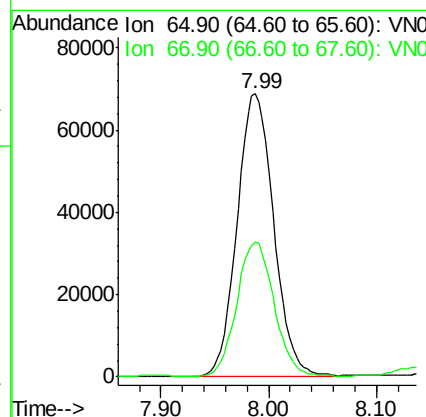
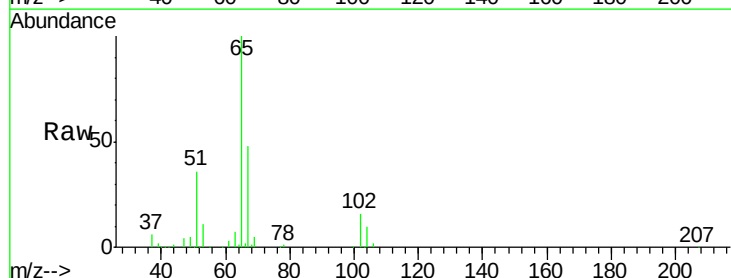
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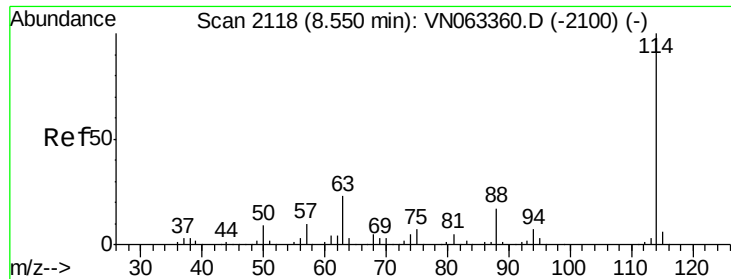
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#33
1,2-Dichloroethane-d4
Concen: 47.059 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN063730.D
Acq: 29 Sep 2020 16:40

Tgt Ion	Ratio	Lower	Upper
65	100		
67	48.8	0.0	104.2





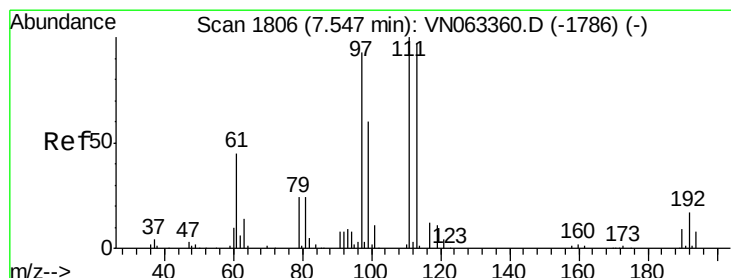
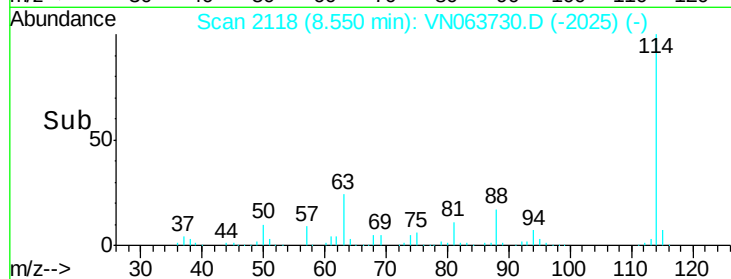
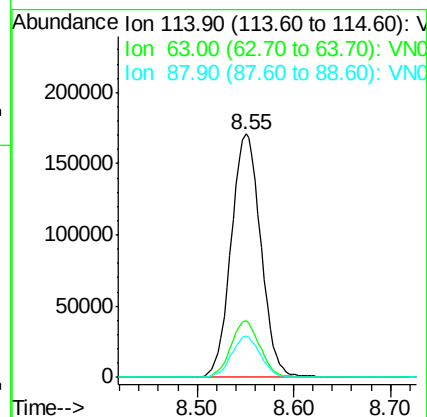
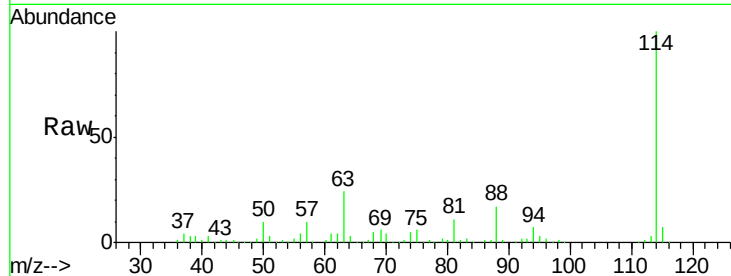
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063730.D
 Acq: 29 Sep 2020 16:40

Instrument :
 MSVOA_N
 ClientSampled :
 TP-4DL

Tot Ion	Ratio	Resp	Lower	Upper
114	100	364261		
63	23.6	0.0	46.4	
88	16.9	0.0	33.2	

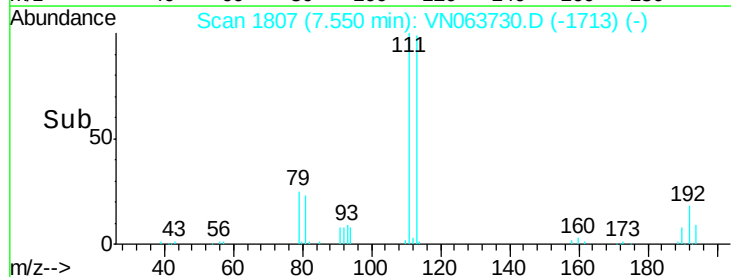
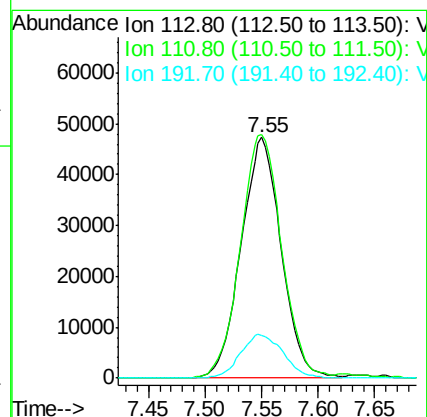
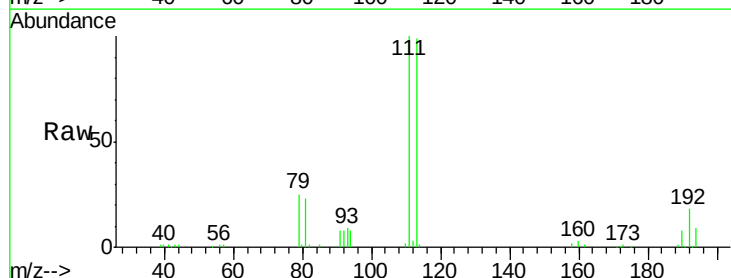
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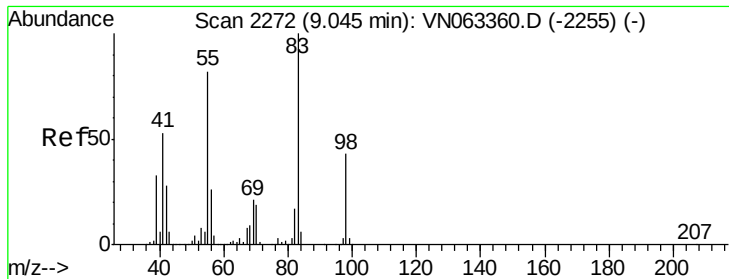
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#35
 Dibromofluoromethane
 Concen: 46.218 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063730.D
 Acq: 29 Sep 2020 16:40

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	116549		
111	104.2	82.9	124.3	
192	19.3	13.9	20.9	





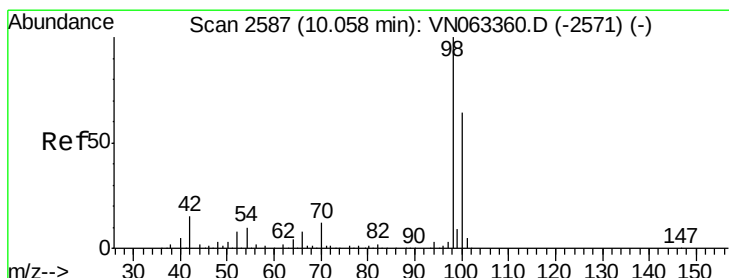
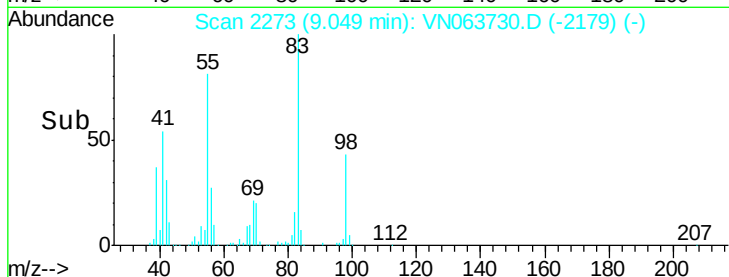
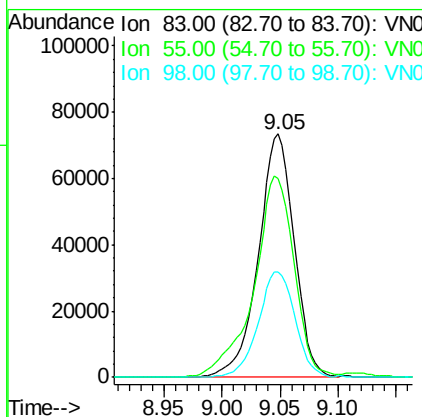
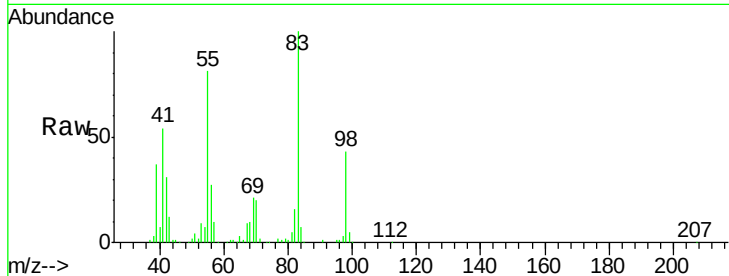
#39
Methylvlcyclohexane
Concen: 37.424 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063730.D
Acq: 29 Sep 2020 16:40

Instrument :
MSVOA_N
ClientSampleId :
TP-4DL

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.0	65.5	98.3
98	43.3	34.2	51.4

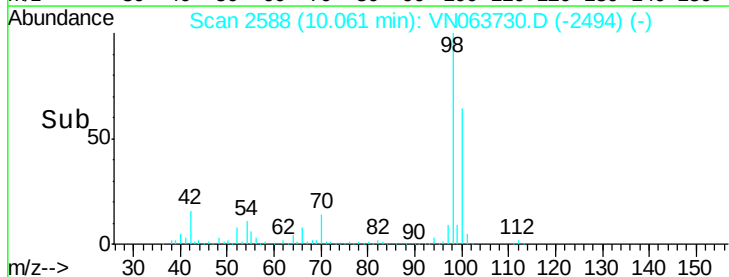
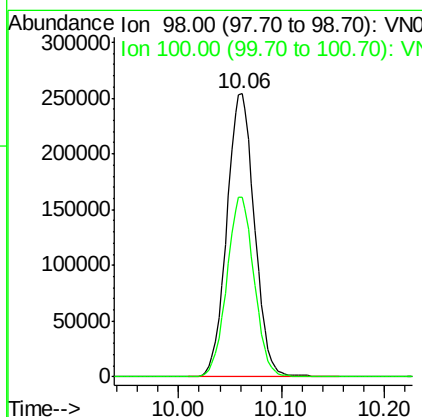
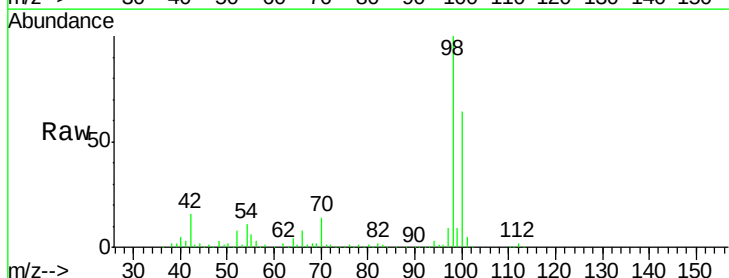
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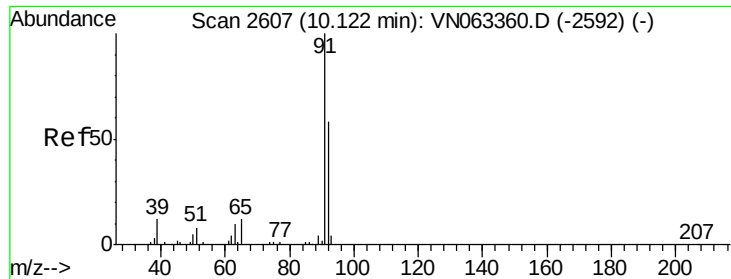
MMDadoda
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#50
Toluene-d8
Concen: 50.110 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063730.D
Acq: 29 Sep 2020 16:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	62.7	50.7	76.1





#52

Toluene

Concen: 1.167 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063730.D

Acq: 29 Sep 2020 16:40

Instrument :

MSVOA_N

ClientSampled :

TP-4DL

Tot Ion: 92 Resp: 7770

Ion Ratio Lower Upper

92 100

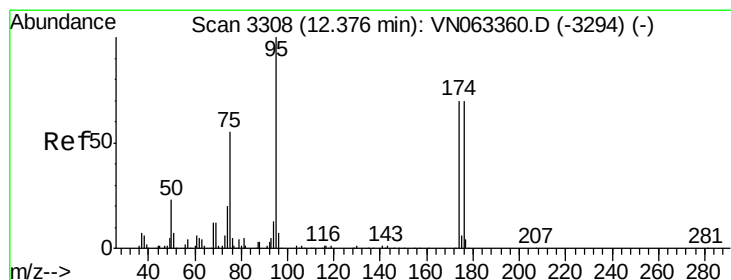
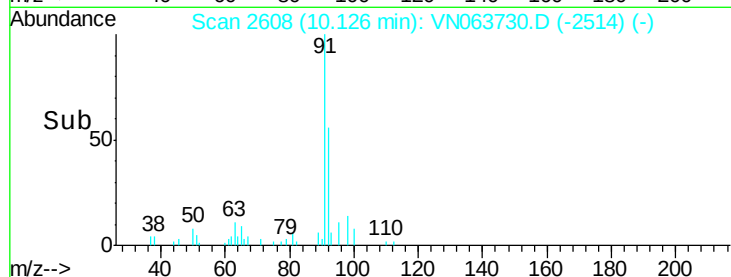
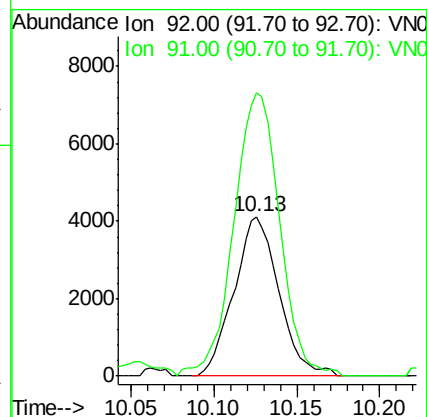
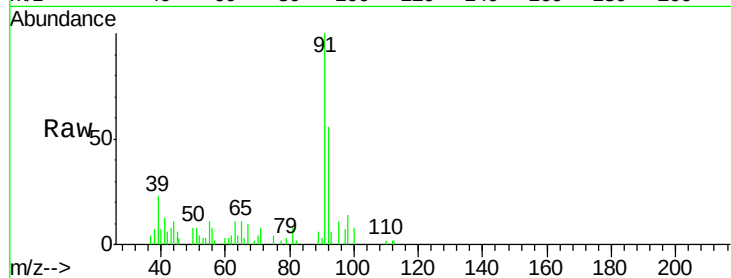
91 181.1 139.7 209.5

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 56.999 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063730.D

Acq: 29 Sep 2020 16:40

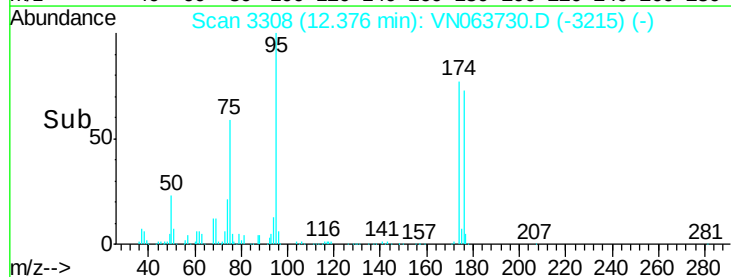
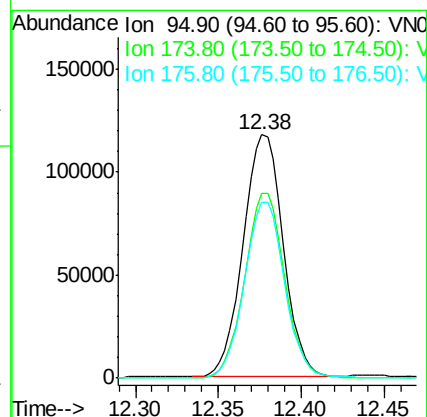
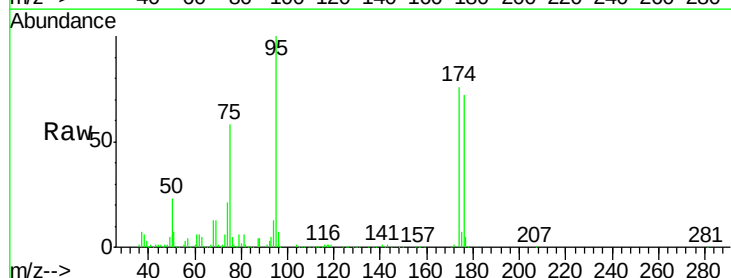
Tgt Ion: 95 Resp: 198127

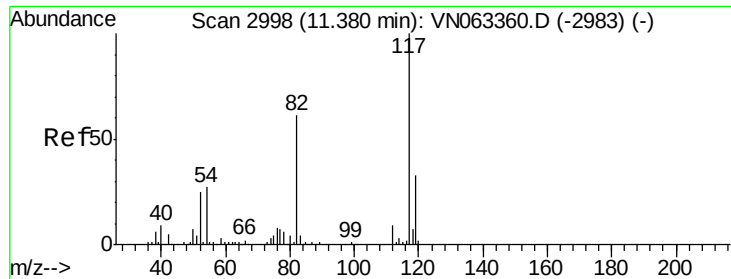
Ion Ratio Lower Upper

95 100

174 76.1 0.0 140.8

176 72.8 0.0 137.6





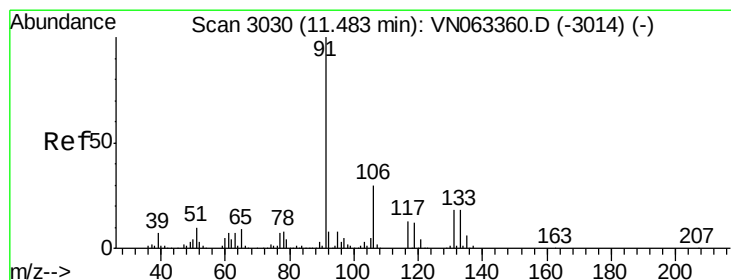
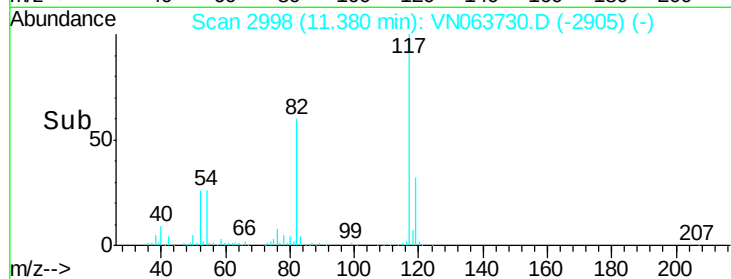
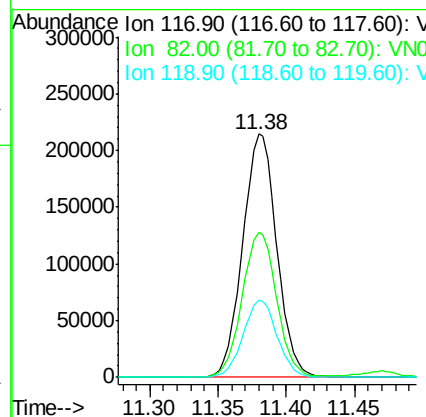
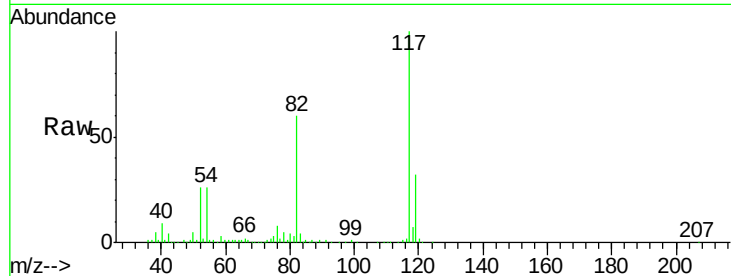
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063730.D
Acq: 29 Sep 2020 16:40

Instrument :
MSVOA_N
ClientSampled :
TP-4DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.7	49.2	73.8
119	31.5	26.2	39.4

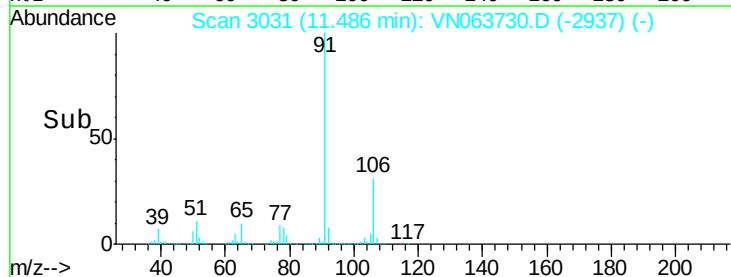
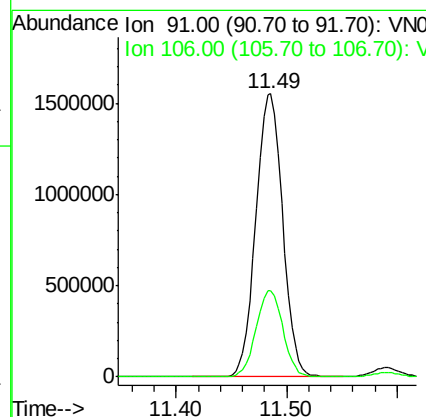
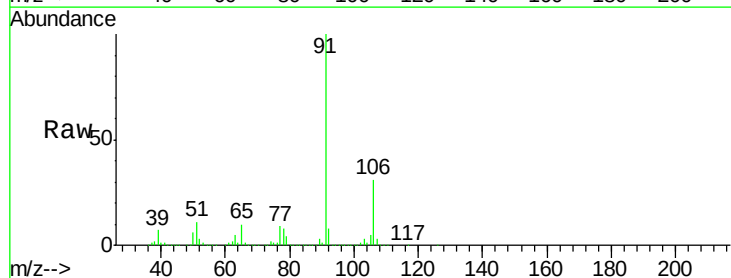
Manual Integrations
APPROVED

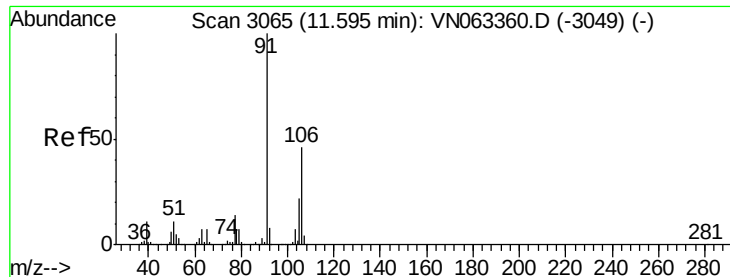
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9/30/2020 1:20:39 PM



#67
Ethyl Benzene
Concen: 175.758 ug/l
RT: 11.49 min Scan# 3031
Delta R.T. 0.00 min
Lab File: VN063730.D
Acq: 29 Sep 2020 16:40

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.7	23.8	35.6





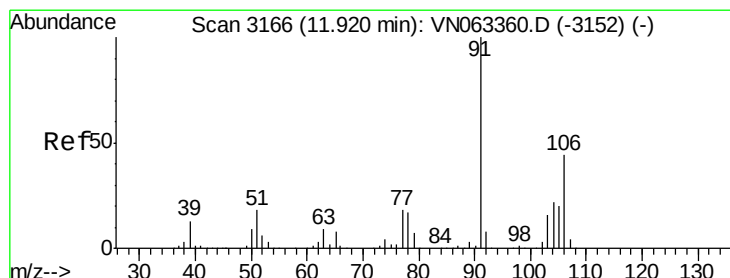
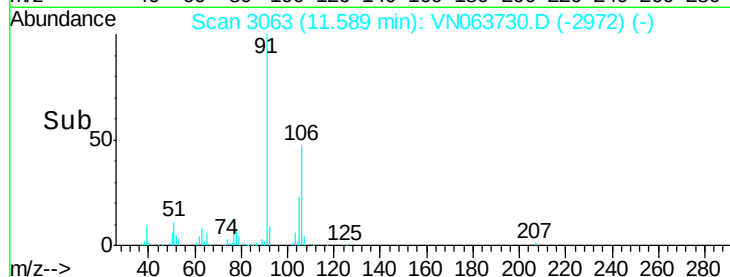
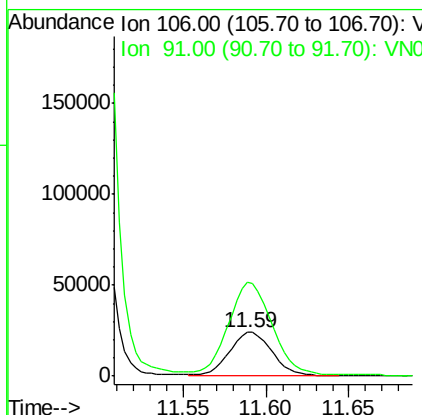
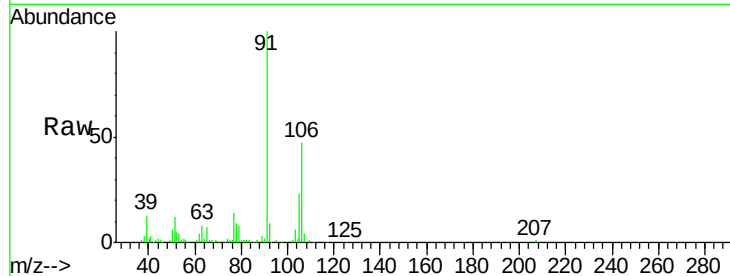
#68
m/p-Xylenes
Concen: 8.086 ug/l
RT: 11.59 min Scan# 3063
Delta R.T. -0.01 min
Lab File: VN063730.D
Acq: 29 Sep 2020 16:40

Instrument :
MSVOA_N
ClientSampled :
TP-4DL

Tot Ion:106 Resp: 43355
Ion Ratio Lower Upper
106 100
91 215.4 171.2 256.8

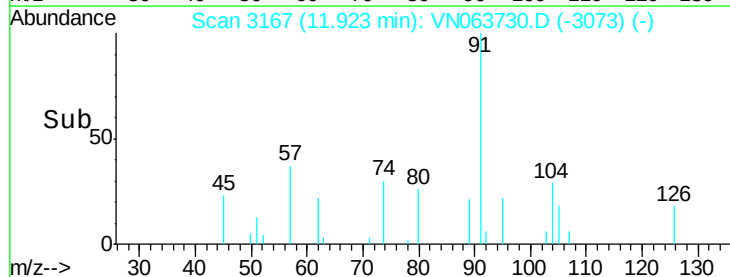
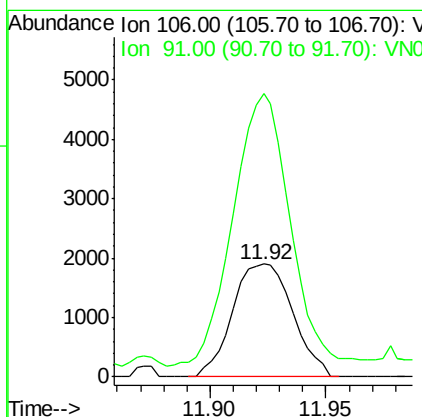
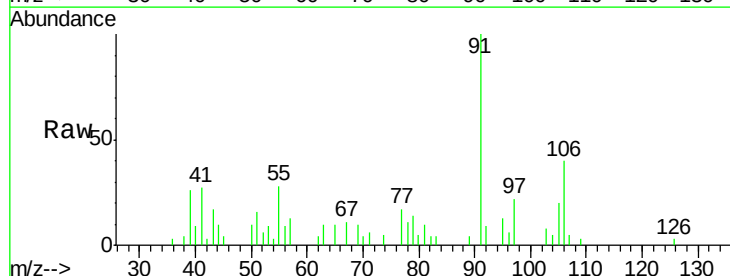
Manual Integrations
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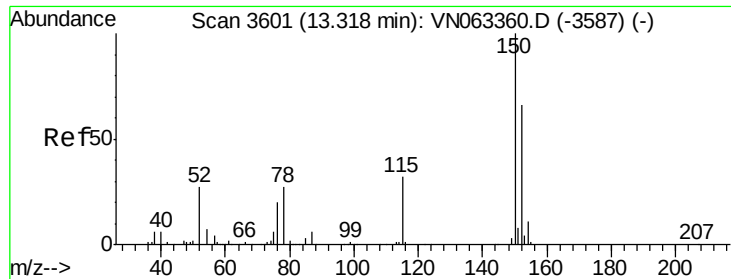
MMDadoda
9/30/2020 1:20:39 PM



#69
o-Xylene
Concen: 0.669 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063730.D
Acq: 29 Sep 2020 16:40

Tgt Ion:106 Resp: 3419
Ion Ratio Lower Upper
106 100
91 227.9 113.6 340.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063730.D

Acq: 29 Sep 2020 16:40

Instrument :

MSVOA_N

ClientSampled :

TP-4DL

Tot Ion:152 Resp: 198759

Ion Ratio Lower Upper

152 100

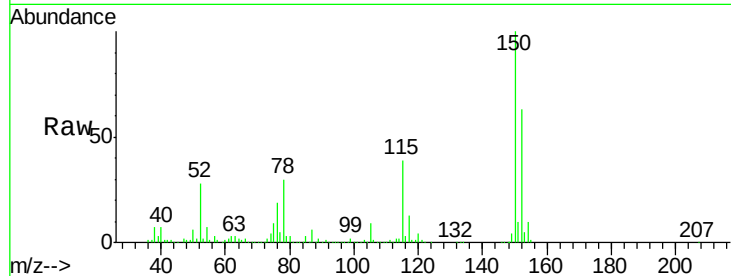
115 65.3 32.2 96.6

150 158.5 0.0 343.4

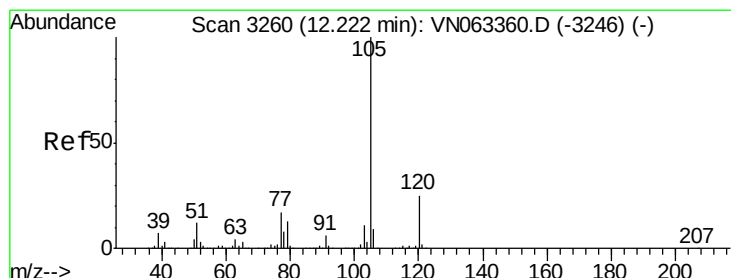
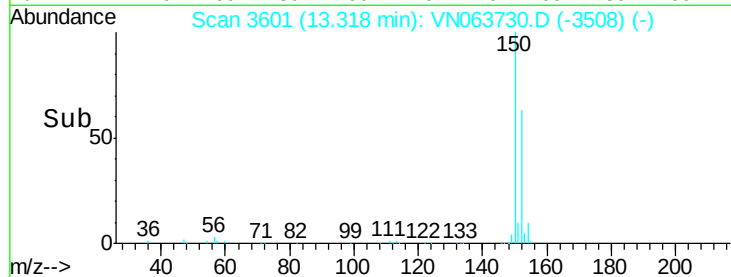
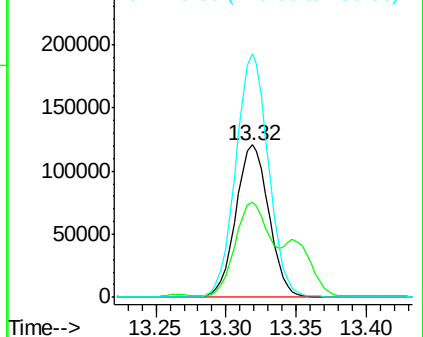
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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 19.023 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063730.D

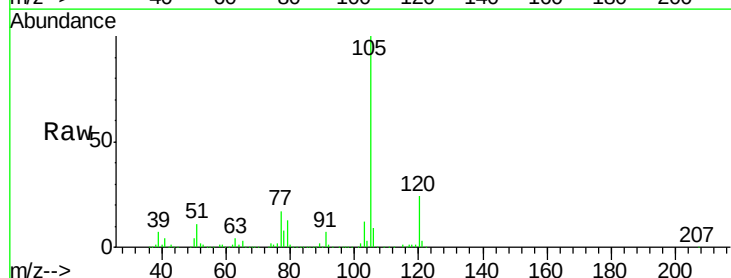
Acq: 29 Sep 2020 16:40

Tgt Ion:105 Resp: 302980

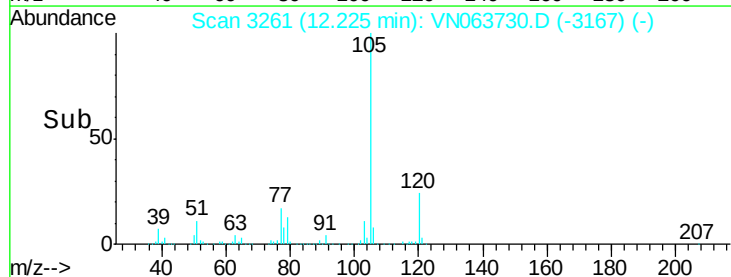
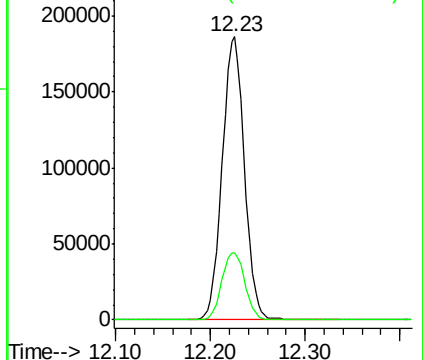
Ion Ratio Lower Upper

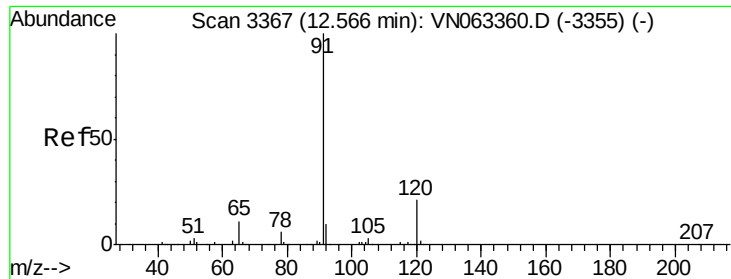
105 100

120 24.8 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 55.400 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063730.D

Acq: 29 Sep 2020 16:40

Instrument :

MSVOA_N

ClientSampled :

TP-4DL

Tot Ion: 91 Resp: 1027721

Ion Ratio Lower Upper

91 100

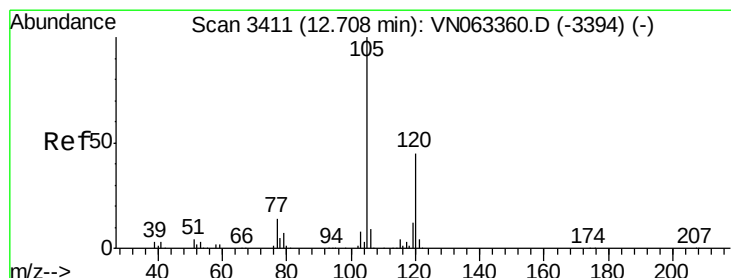
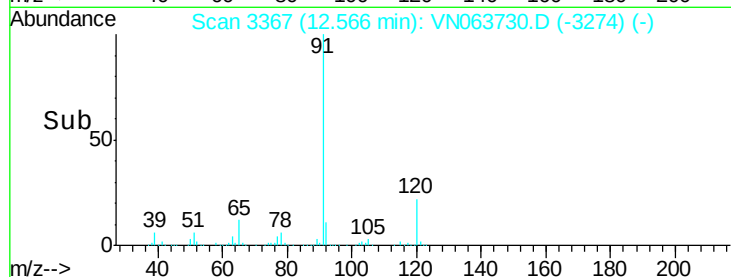
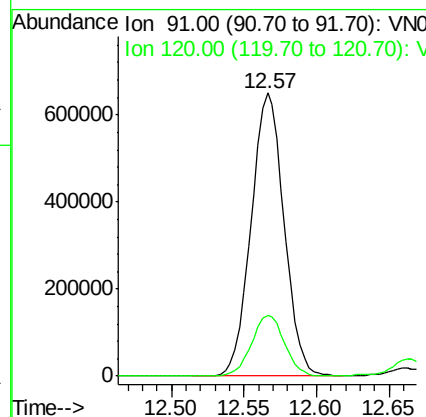
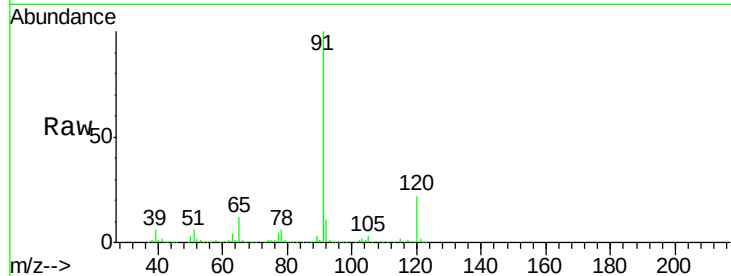
120 21.6 10.8 32.3

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#80

1,3,5-Trimethylbenzene

Concen: 106.342 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN063730.D

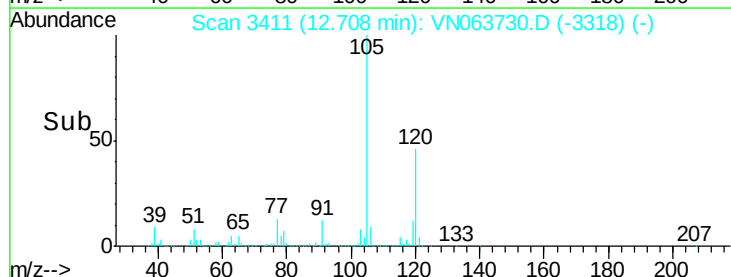
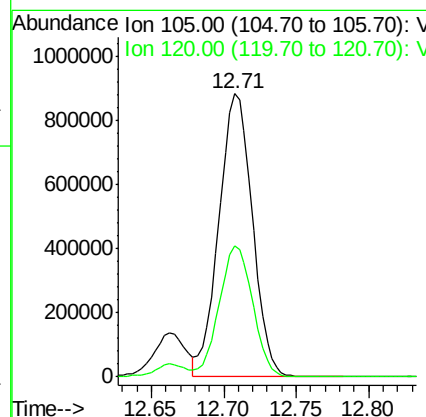
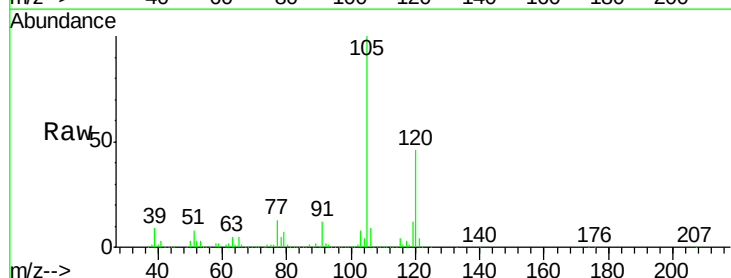
Acq: 29 Sep 2020 16:40

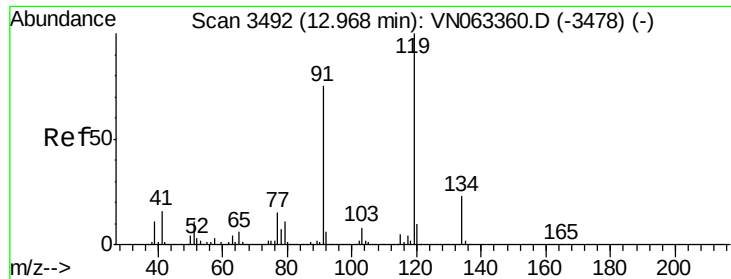
Tgt Ion: 105 Resp: 1412376

Ion Ratio Lower Upper

105 100

120 46.2 22.9 68.8





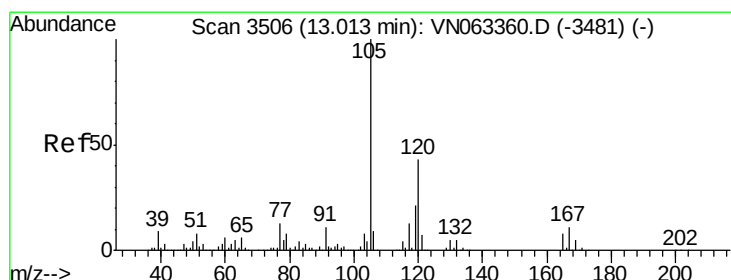
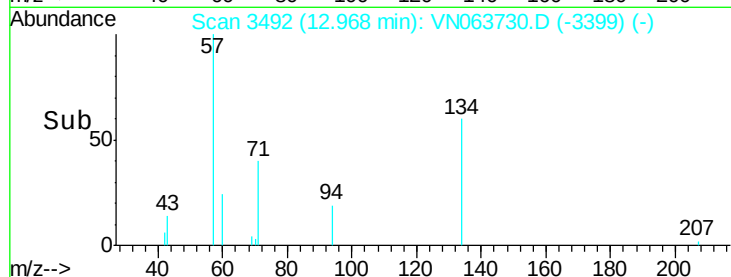
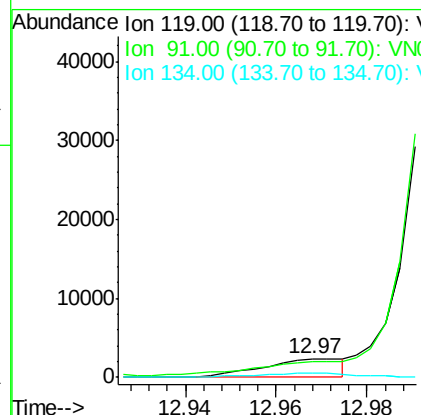
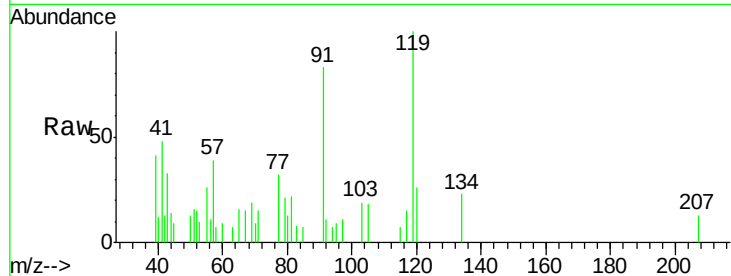
#83
 tert-Butylbenzene
 Concen: 0.265 ug/l m
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN063730.D
 Acq: 29 Sep 2020 16:40

Instrument :
 MSVOA_N
 ClientSampled :
 TP-4DL

Tot Ion:119 Resp: 2904
 Ion Ratio Lower Upper
 119 100
 91 28966.5 36.3 108.
 134 0.0 12.3 36.8#

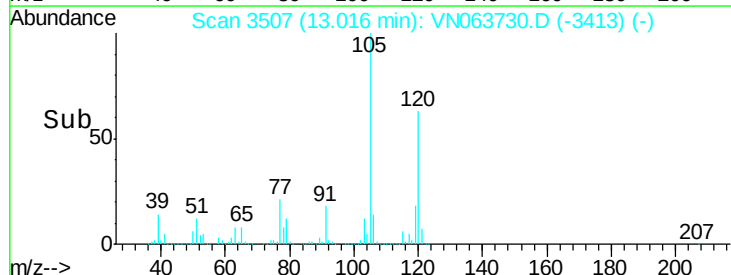
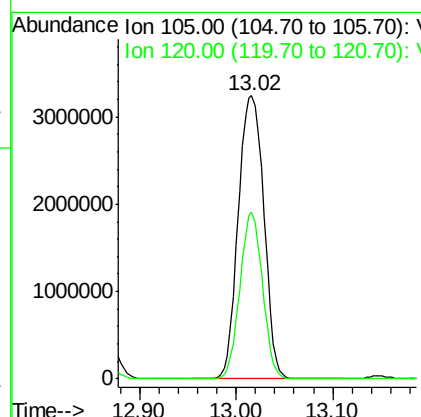
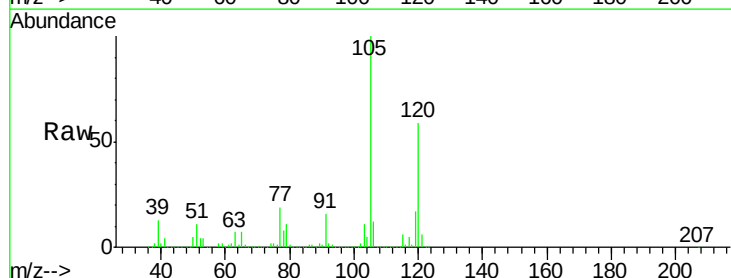
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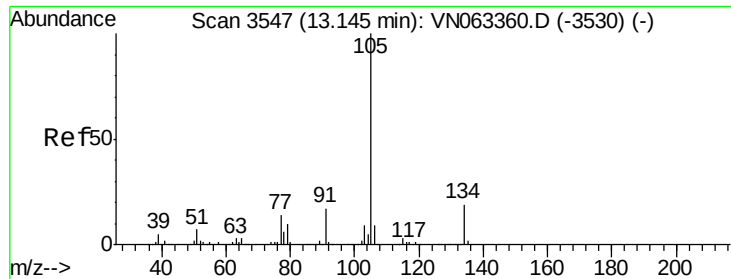
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#84
 1,2,4-Trimethylbenzene
 Concen: 443.953 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN063730.D
 Acq: 29 Sep 2020 16:40

Tgt Ion:105 Resp: 5955795
 Ion Ratio Lower Upper
 105 100
 120 52.1 21.3 63.9





#85

sec-Butylbenzene

Concen: 3.754 ug/l m

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN063730.D

Acq: 29 Sep 2020 16:40

Instrument :

MSVOA_N

ClientSampled :

TP-4DL

Tot Ion:105 Resp: 55083

Ion Ratio Lower Upper

105 100

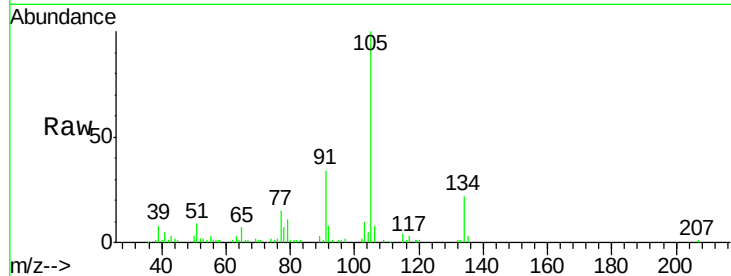
134 0.0 9.3 27.7#

Manual Integrations

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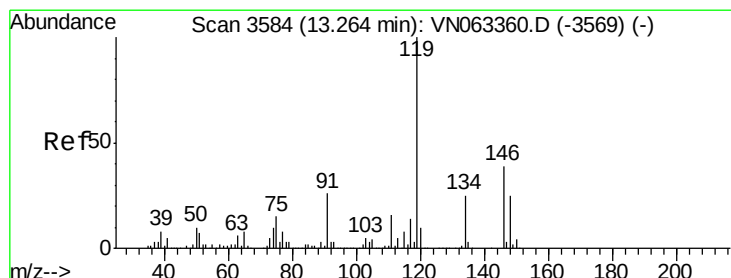
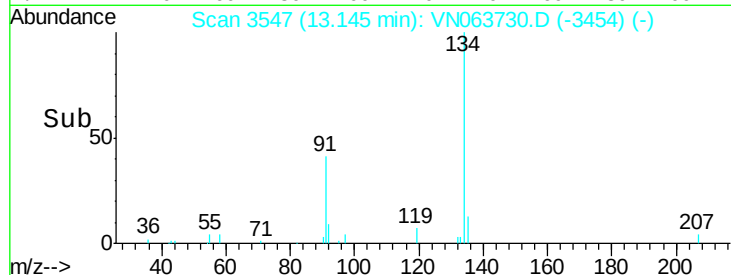
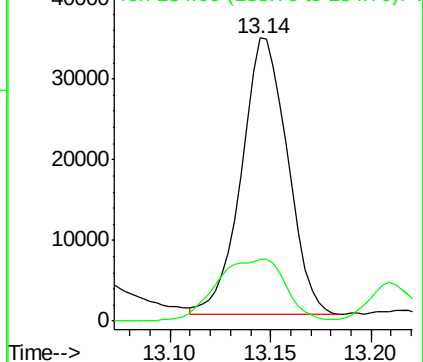
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 3.086 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN063730.D

Acq: 29 Sep 2020 16:40

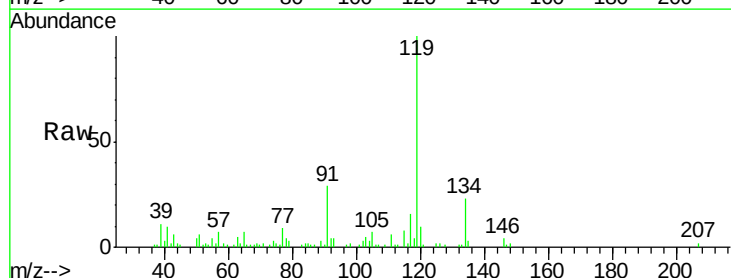
Tgt Ion:119 Resp: 39933

Ion Ratio Lower Upper

119 100

134 27.0 12.5 37.5

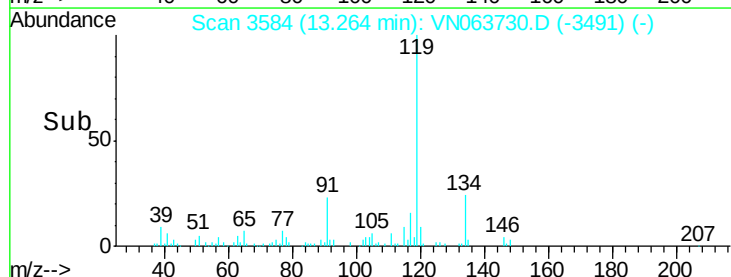
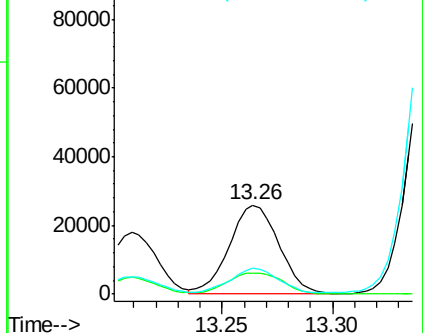
91 0.0 13.4 40.1#

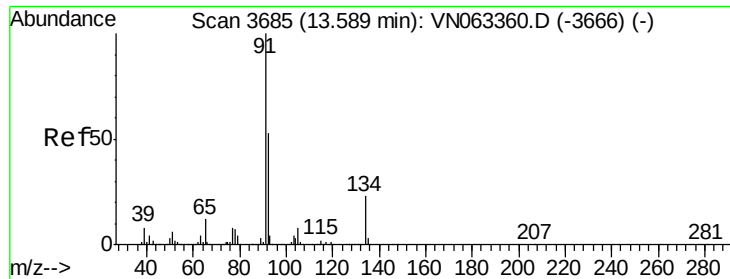


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





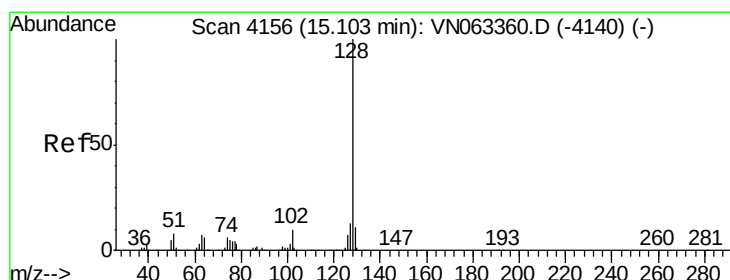
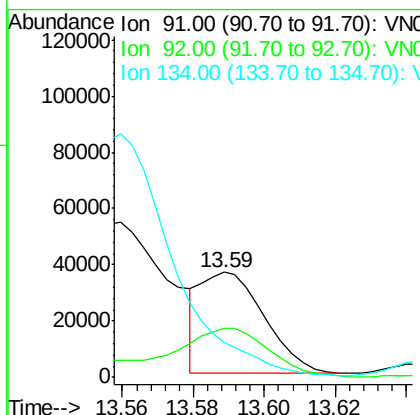
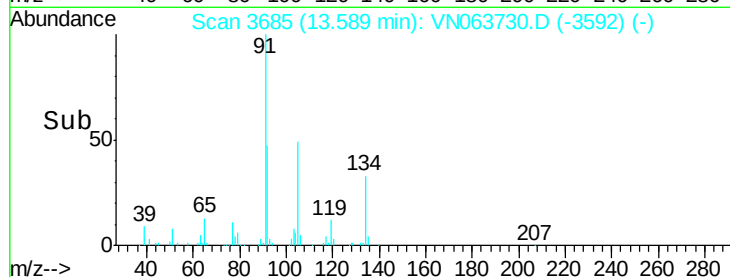
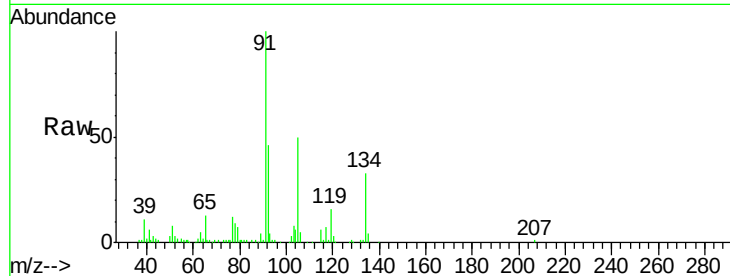
#89
n-Butylbenzene
Concen: 3.794 ug/l m
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN063730.D
Acq: 29 Sep 2020 16:40

Instrument :
MSVOA_N
ClientSampled :
TP-4DL

Tot Ion	Ratio	Lower	Upper
91	100		
92	0.0	26.0	78.0#
134	348.6	11.7	35.0#

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#95
Naphthalene
Concen: 64.701 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN063730.D
Acq: 29 Sep 2020 16:40

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	15.8
129	11.3	8.8	13.2

