

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092820\
 Data File : VN063717.D
 Acq On : 28 Sep 2020 19:56
 Operator : JC/MD
 Sample : L4178-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-5

Manual Integrations
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 9/29/2020 4:38:14 PM

Quant Time: Sep 29 05:02:16 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	7.63	168	256095	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	471420	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	486807	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	255658	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	201295	46.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.34%	
35) Dibromofluoromethane	7.55	113	146214	44.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.60%	
50) Toluene-d8	10.06	98	637157	51.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.84%	
62) 4-Bromofluorobenzene	12.38	95	273571	60.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	121.62%	
Target Compounds						
					Qvalue	
16) Acetone	3.77	43	120658	86.120	ug/l #	65
17) Carbon Disulfide	4.01	76	7853	0.934	ug/l #	84
25) 2-Butanone	6.79	43	31132	14.448	ug/l #	81
31) Cyclohexane	7.61	56	1605637	266.681	ug/l	96
39) Methylcyclohexane	9.05	83	1779119	326.394	ug/l	98
40) Benzene	8.00	78	78155	5.451	ug/l	99
52) Toluene	10.13	92	49562	5.750	ug/l	98
67) Ethyl Benzene	11.49	91	6812454	350.074	ug/l #	69
68) m/p-Xylenes	11.59	106	31517m	4.492	ug/l	
69) o-Xylene	11.92	106	37965	5.680	ug/l	98
73) Isopropylbenzene	12.23	105	3709212	181.052	ug/l	98
78) n-propylbenzene	12.57	91	8240252	345.336	ug/l #	70
80) 1,3,5-Trimethylbenzene	12.71	105	56855m	3.328	ug/l	
83) tert-Butylbenzene	12.97	119	26943	1.911	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	212636	12.323	ug/l	99
85) sec-Butylbenzene	13.15	105	554483	29.379	ug/l #	67
86) p-Isopropyltoluene	13.26	119	55775	3.351	ug/l #	49
89) n-Butylbenzene	13.59	91	811410	52.881	ug/l #	75
91) 1,2-Dichlorobenzene	13.63	146	12498	1.490	ug/l #	78
95) Naphthalene	15.10	128	2973238	182.036	ug/l	100

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

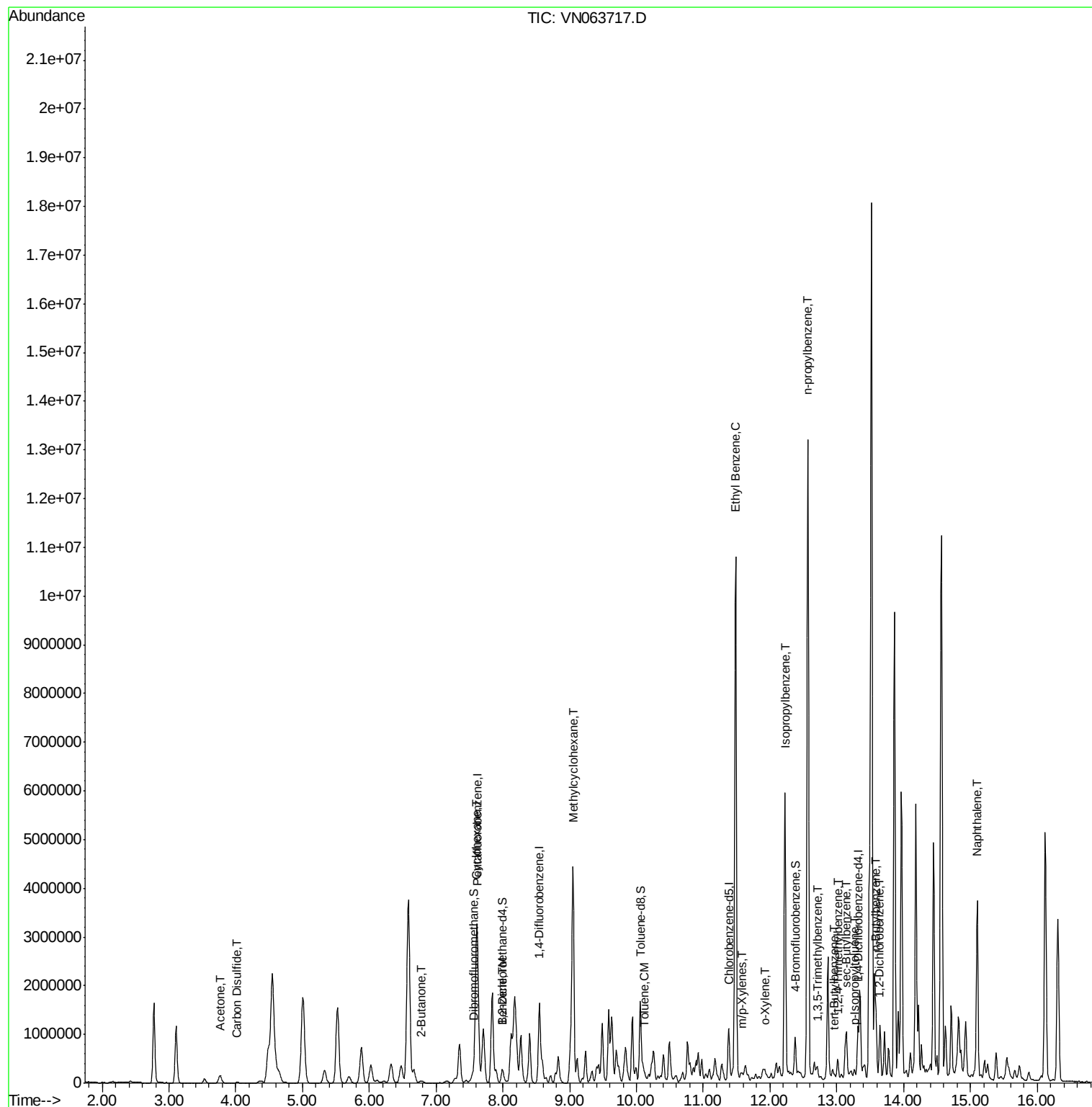
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092820\
Data File : VN063717.D
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Operator : JC/MD
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ALS Vial : 21 Sample Multiplier: 1

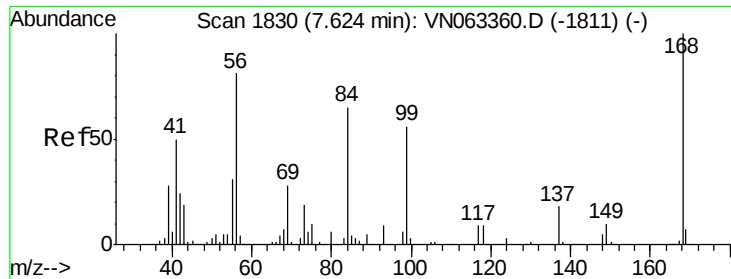
Instrument :
MSVOA_N
ClientSampleId :
TP-5

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Quant Time: Sep 29 05:02:16 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063717.D

Acq: 28 Sep 2020 19:56

Instrument :

MSVOA_N

ClientSampled :

TP-5

Tot Ion:168 Resp: 256095

Ion Ratio Lower Upper

168 100

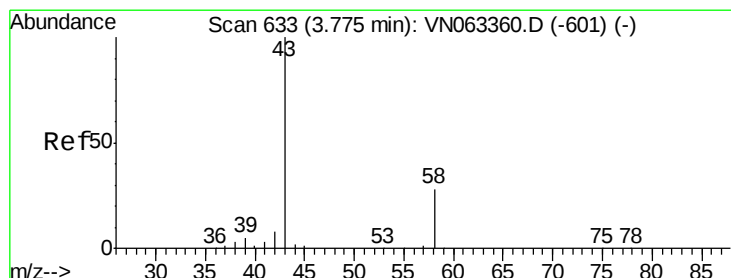
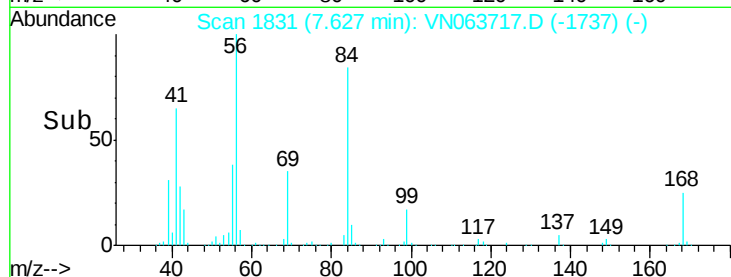
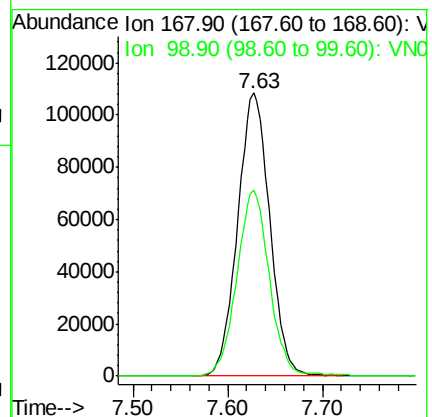
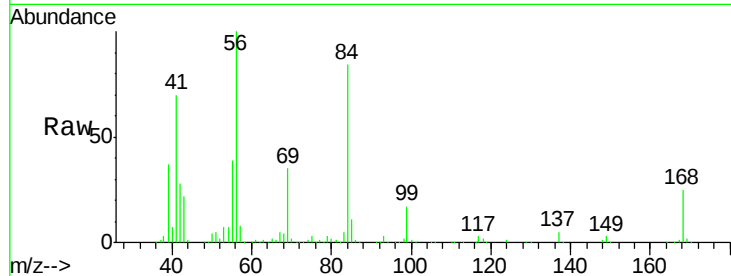
99 65.8 53.0 79.6

Manual Integrations

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#16

Acetone

Concen: 86.120 ug/l

RT: 3.77 min Scan# 630

Delta R.T. -0.01 min

Lab File: VN063717.D

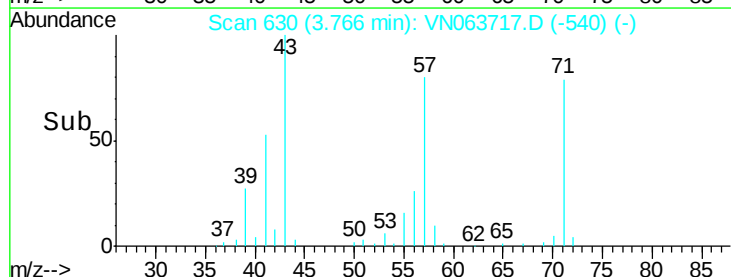
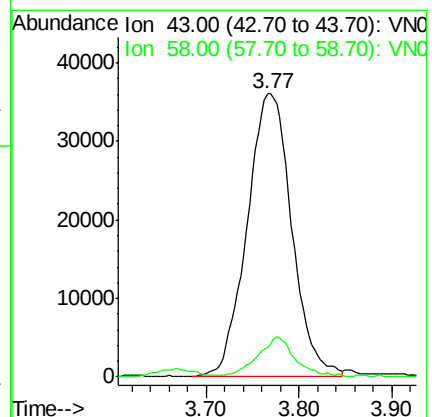
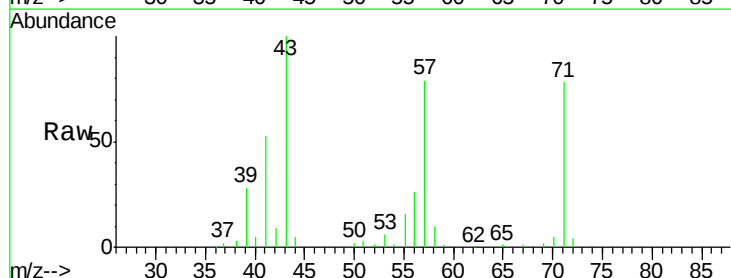
Acq: 28 Sep 2020 19:56

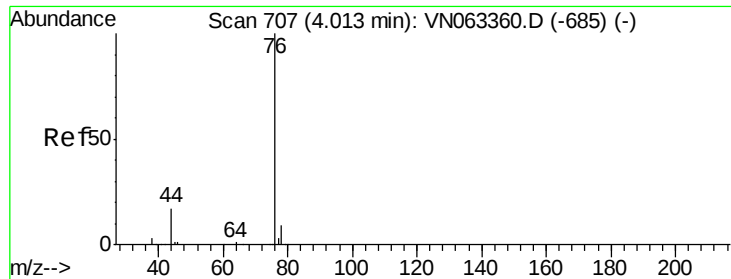
Tgt Ion: 43 Resp: 120658

Ion Ratio Lower Upper

43 100

58 9.6 22.3 33.5#





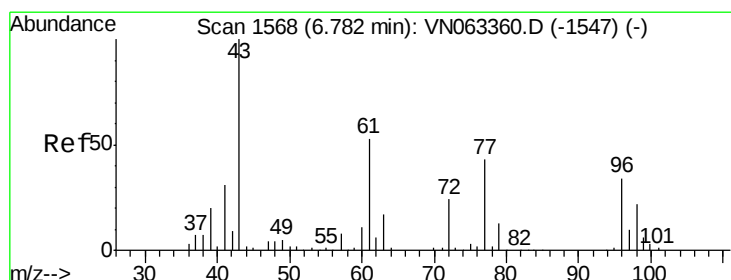
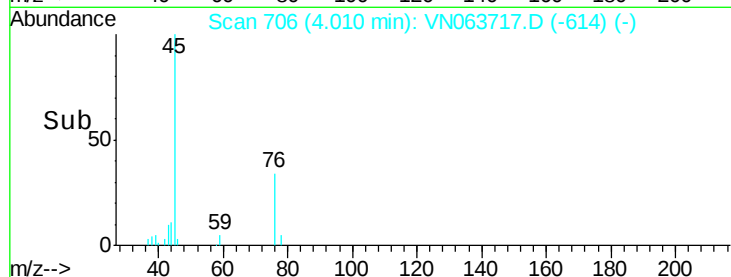
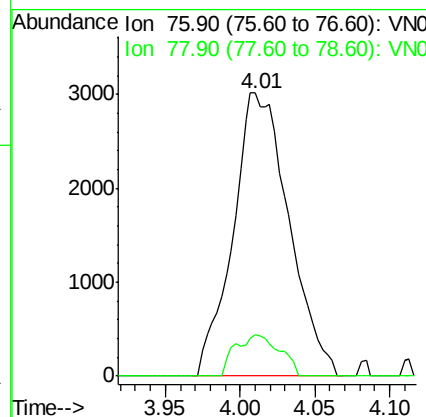
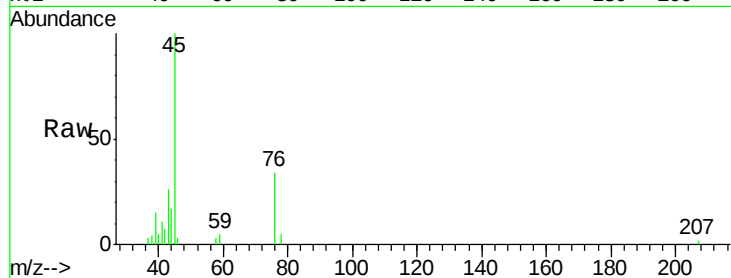
#17
Carbon Disulfide
Concen: 0.934 ug/l
RT: 4.01 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN063717.D
Acq: 28 Sep 2020 19:56

Instrument :
MSVOA_N
ClientSampleId :
TP-5

Tot Ion: 76 Resp: 7853
Ion Ratio Lower Upper
76 100
78 14.8 7.2 10.8#

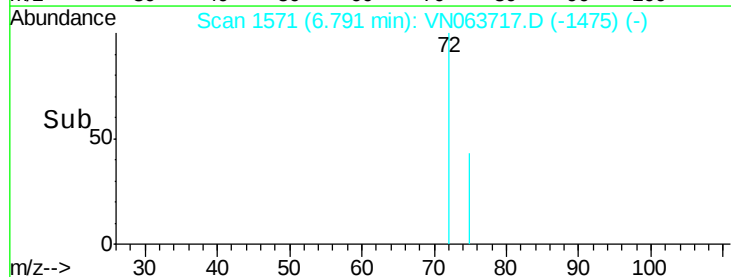
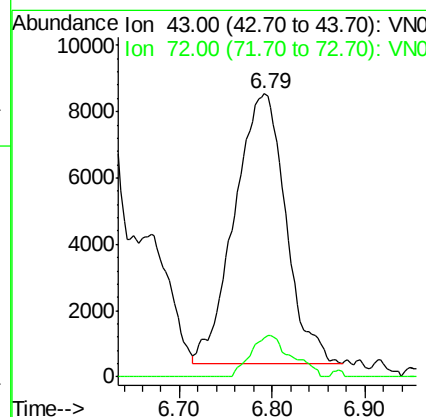
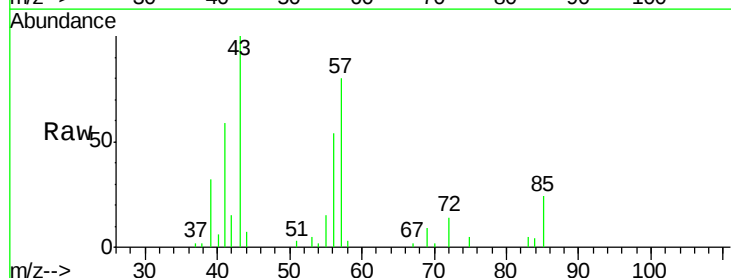
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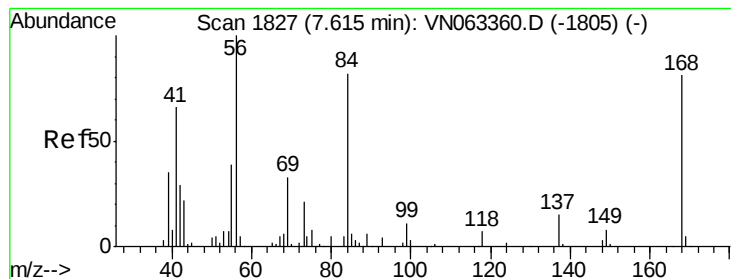
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#25
2-Butanone
Concen: 14.448 ug/l
RT: 6.79 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VN063717.D
Acq: 28 Sep 2020 19:56

Tgt Ion: 43 Resp: 31132
Ion Ratio Lower Upper
43 100
72 14.6 19.2 28.8#





#31

Cyclohexane

Concen: 266.681 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN063717.D

Acq: 28 Sep 2020 19:56

Instrument :

MSVOA_N

ClientSampled :

TP-5

Tot Ion: 56 Resp: 1605637

Ion Ratio Lower Upper

56 100

69 29.0 26.1 39.1

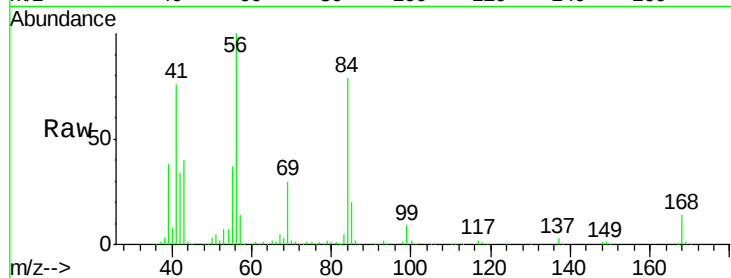
84 79.5 65.4 98.2

Manual Integrations

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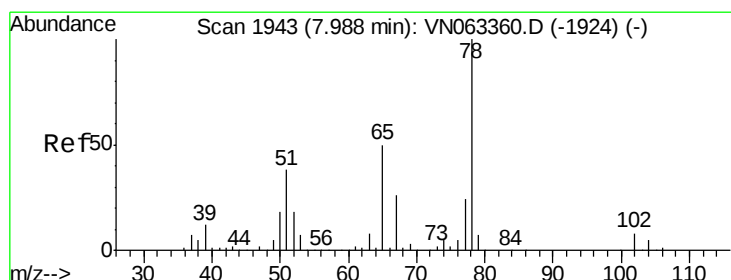
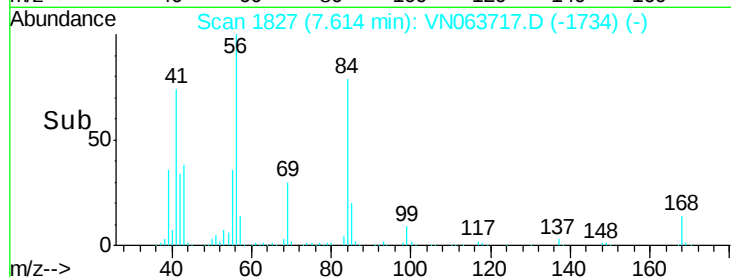
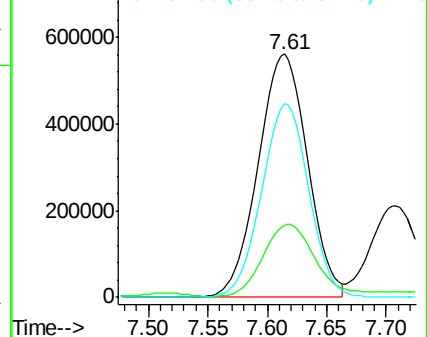
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 46.175 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN063717.D

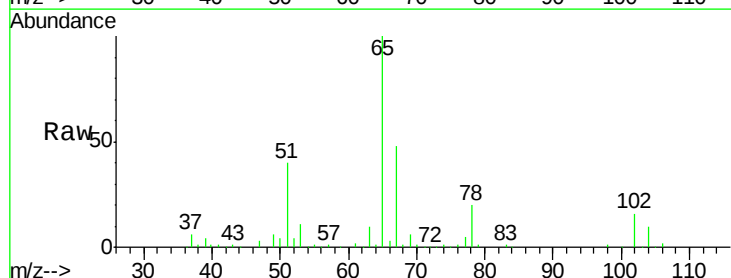
Acq: 28 Sep 2020 19:56

Tgt Ion: 65 Resp: 201295

Ion Ratio Lower Upper

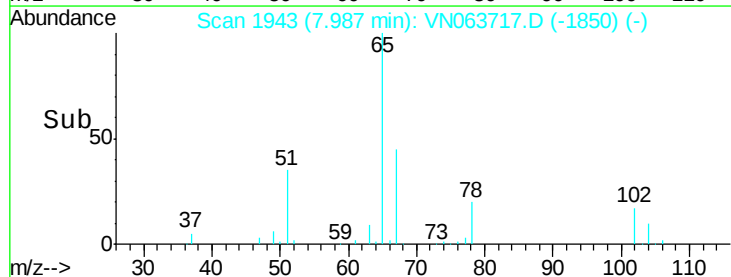
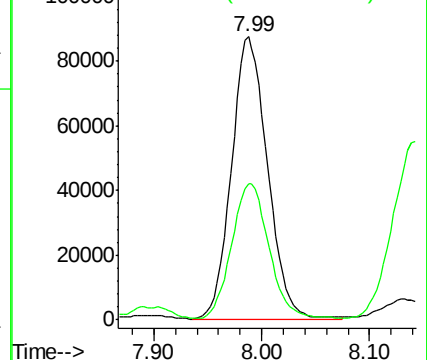
65 100

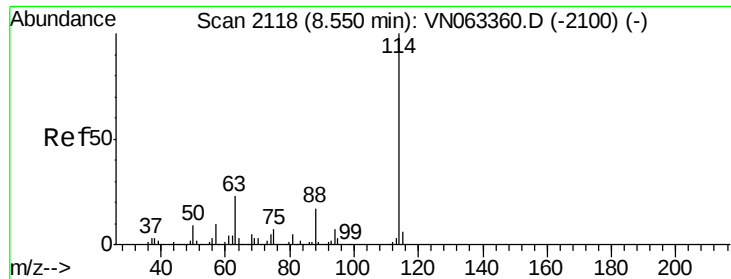
67 49.5 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





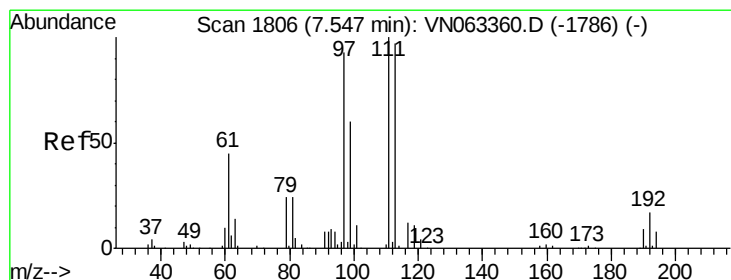
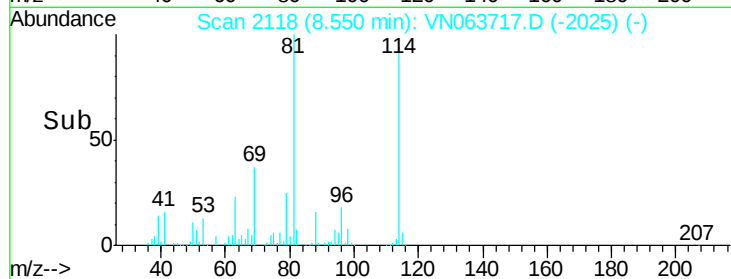
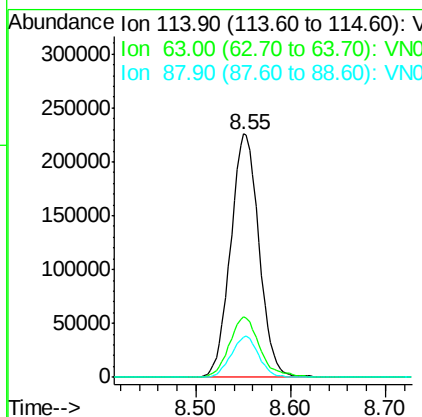
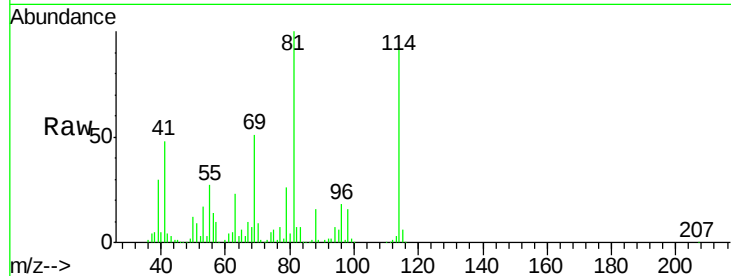
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VN063717.D
Acq: 28 Sep 2020 19:56

Instrument :
MSVOA_N
ClientSampleId :
TP-5

Tot Ion	Ratio	Resp	Lower	Upper
114	100	471420		
63	24.8	0.0	46.4	
88	16.7	0.0	33.2	

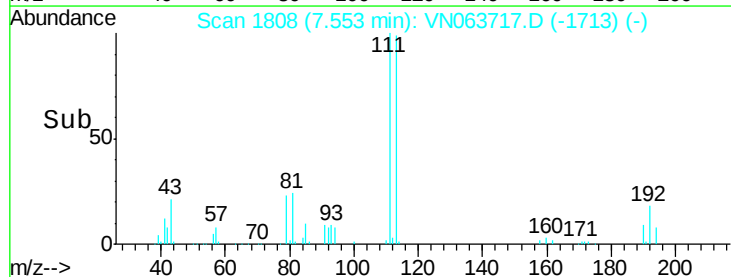
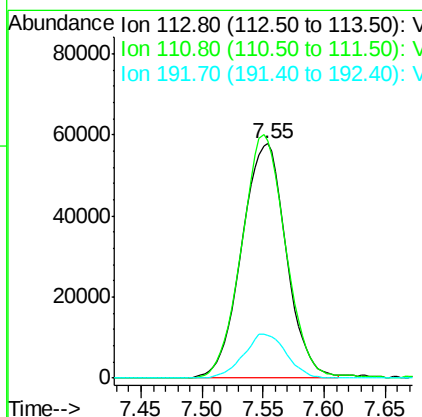
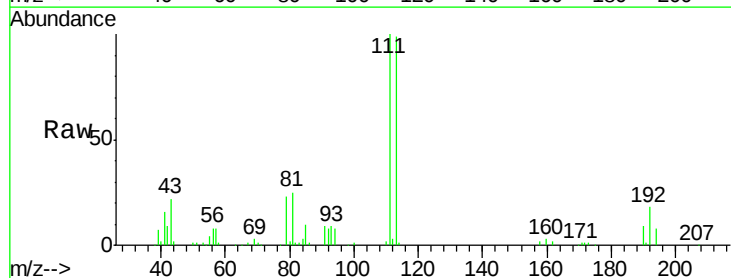
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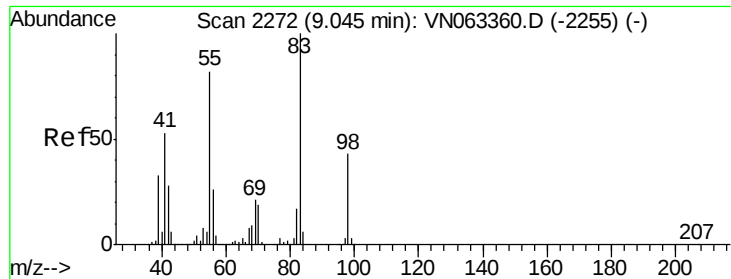
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#35
Dibromofluoromethane
Concen: 44.802 ug/l
RT: 7.55 min Scan# 1808
Delta R.T. 0.01 min
Lab File: VN063717.D
Acq: 28 Sep 2020 19:56

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	146214		
111	102.2	82.9	124.3	
192	18.0	13.9	20.9	





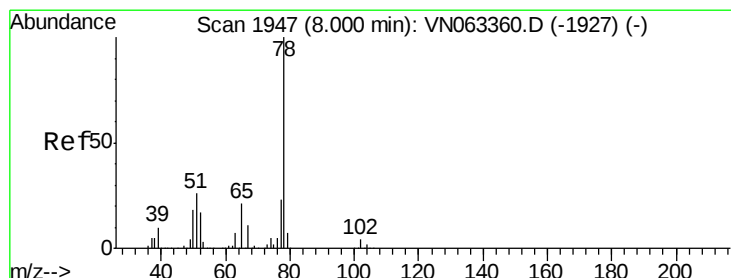
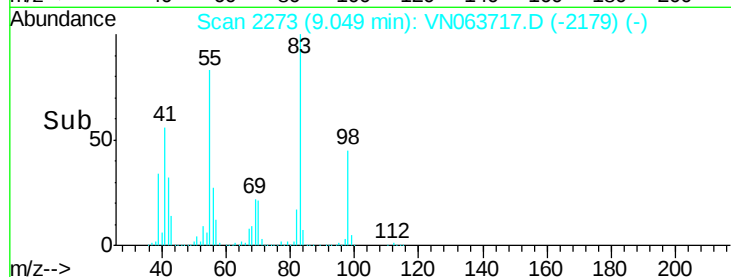
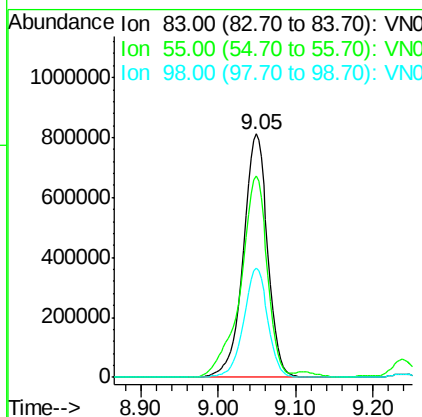
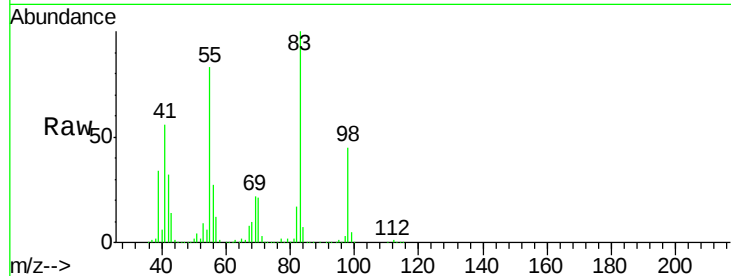
#39
Methvlcvclohexane
Concen: 326.394 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063717.D
Acq: 28 Sep 2020 19:56

Instrument :
MSVOA_N
ClientSampled :
TP-5

Tot Ion	83	Resp	1779119
Ion	Ratio	Lower	Upper
83	100		
55	82.8	65.5	98.3
98	44.9	34.2	51.4

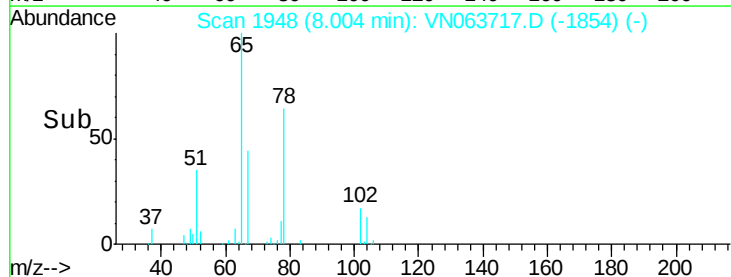
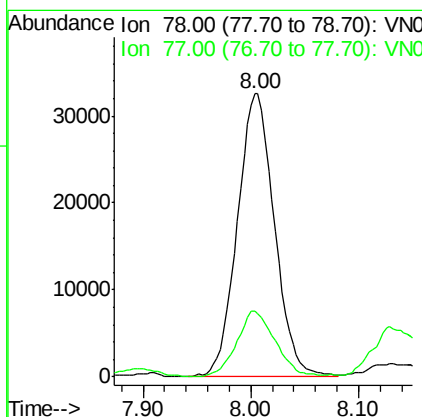
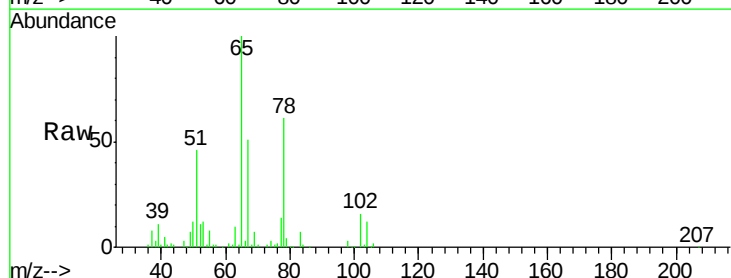
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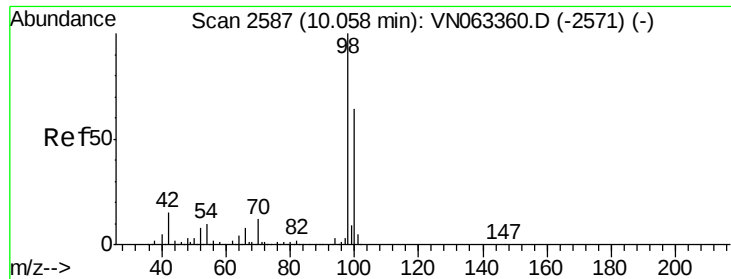
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#40
Benzene
Concen: 5.451 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063717.D
Acq: 28 Sep 2020 19:56

Tgt Ion	78	Resp	78155
Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.3	27.5





#50

Toluene-d8

Concen: 51.922 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063717.D

Acq: 28 Sep 2020 19:56

Instrument :

MSVOA_N

ClientSampled :

TP-5

Tot Ion: 98 Resp: 637157

Ion Ratio Lower Upper

98 100

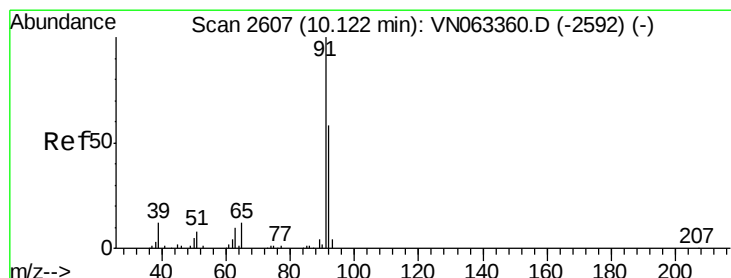
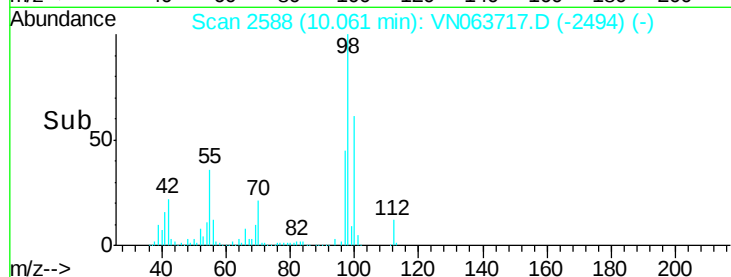
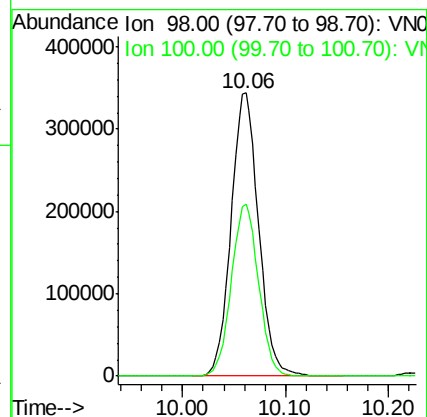
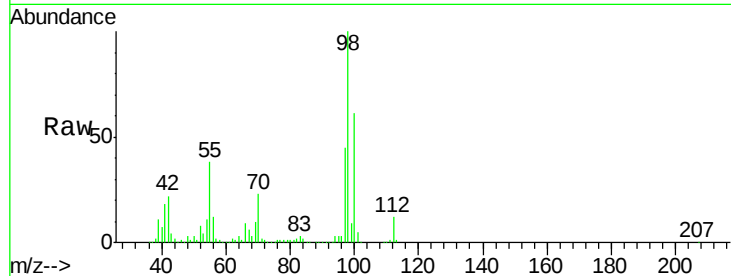
100 60.2 50.7 76.1

Manual Integrations

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#52

Toluene

Concen: 5.750 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063717.D

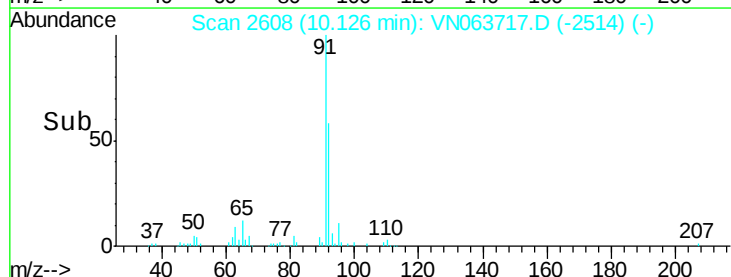
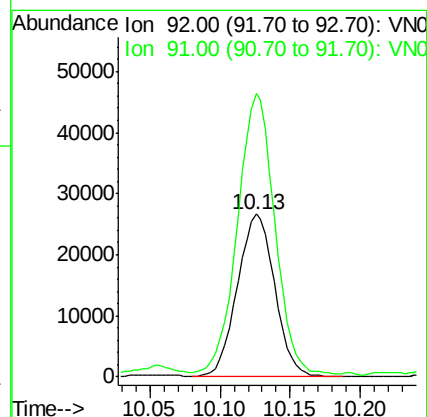
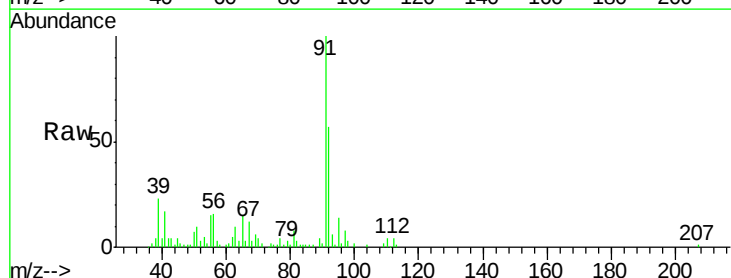
Acq: 28 Sep 2020 19:56

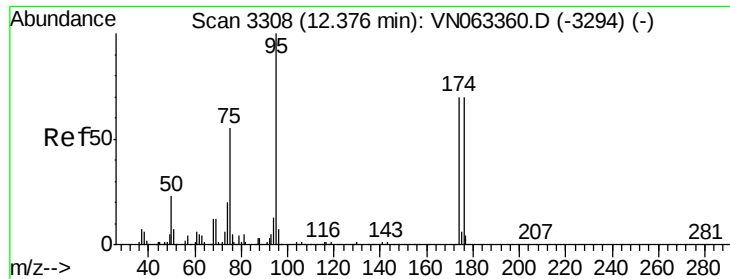
Tgt Ion: 92 Resp: 49562

Ion Ratio Lower Upper

92 100

91 171.4 139.7 209.5





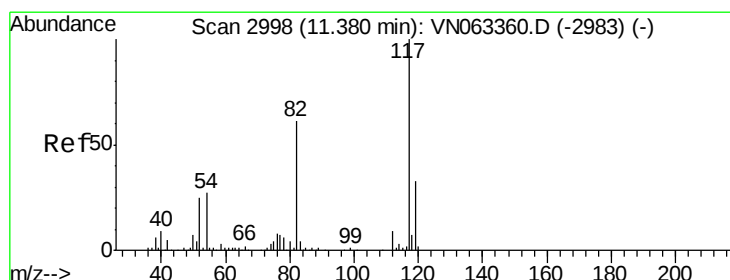
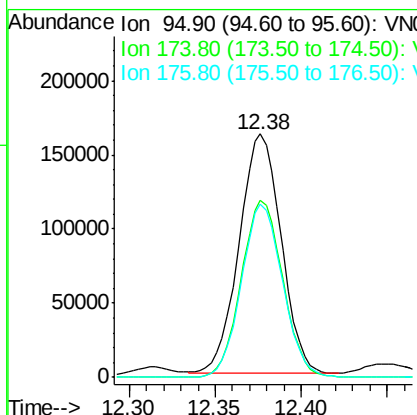
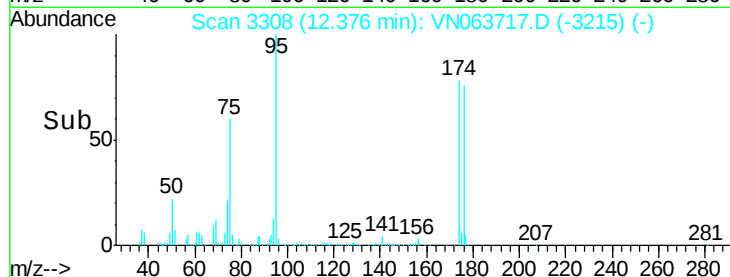
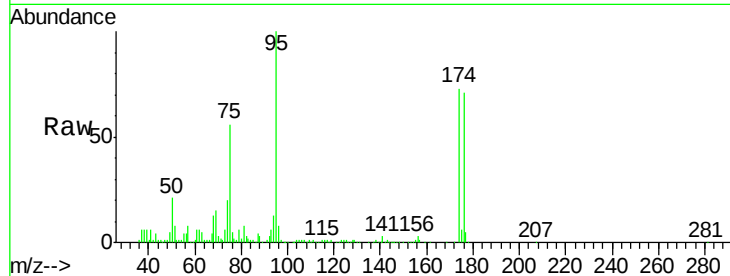
#62
4-Bromofluorobenzene
Concen: 60.814 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN063717.D
Acq: 28 Sep 2020 19:56

Instrument :
MSVOA_N
ClientSampleId :
TP-5

Tot Ion	Ratio	Resp	Lower	Upper
95	100	273571		
174	73.2	0.0	140.8	
176	71.0	0.0	137.6	

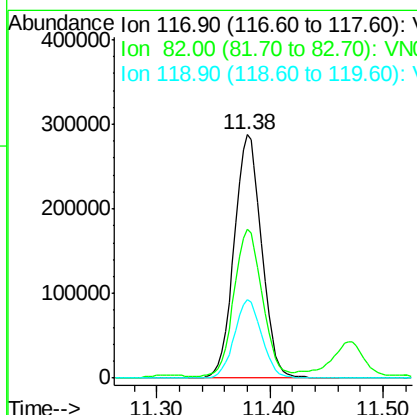
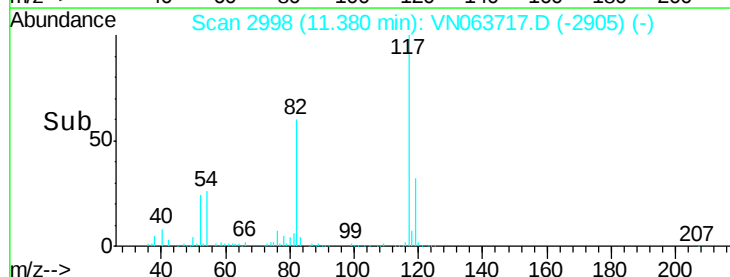
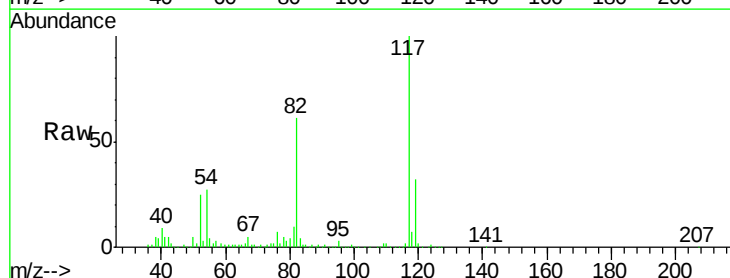
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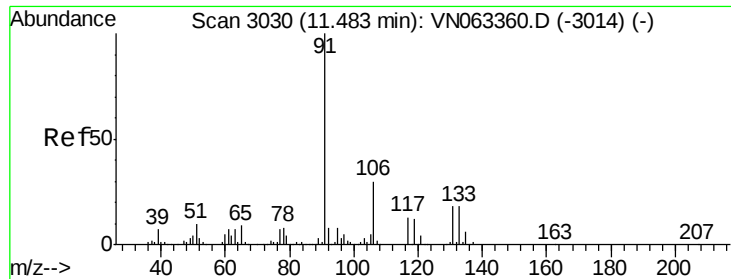
MMDadoda
9/29/2020 4:38:14 PM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063717.D
Acq: 28 Sep 2020 19:56

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	486807		
82	60.3	49.2	73.8	
119	32.2	26.2	39.4	





#67

Ethyl Benzene

Concen: 350.074 ug/l

RT: 11.49 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VN063717.D

Acq: 28 Sep 2020 19:56

Instrument :

MSVOA_N

ClientSampled :

TP-5

Tot Ion: 91 Resp: 6812454

Ion Ratio Lower Upper

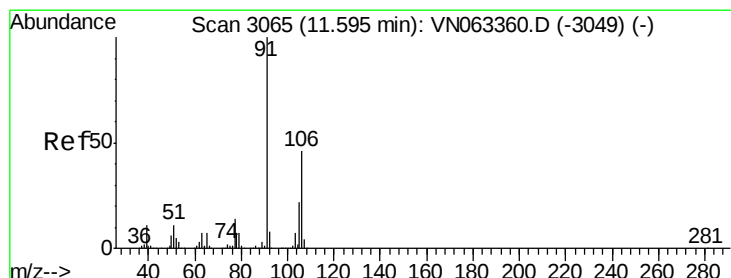
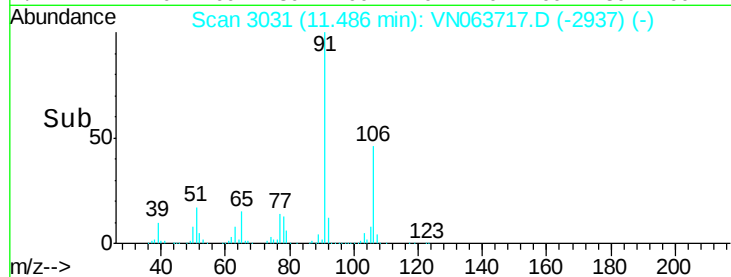
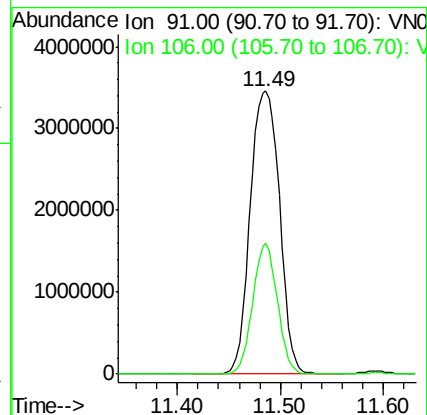
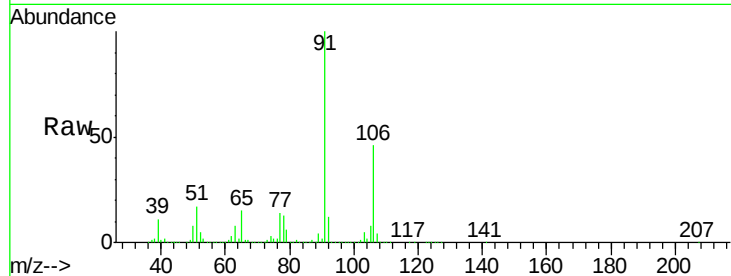
91 100

106 46.2 23.8 35.6#

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#68

m/p-Xylenes

Concen: 4.492 ug/l m

RT: 11.59 min Scan# 3064

Delta R.T. -0.00 min

Lab File: VN063717.D

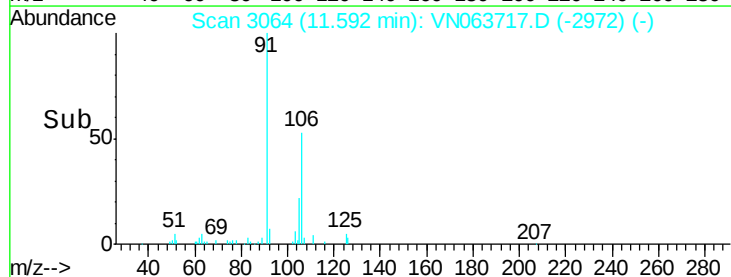
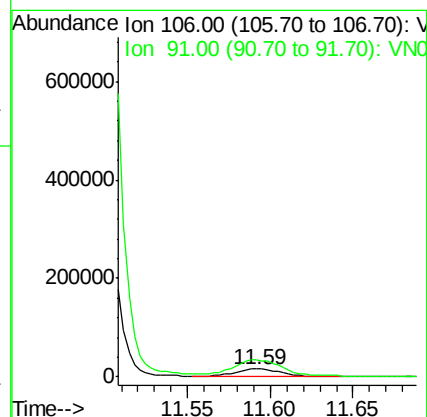
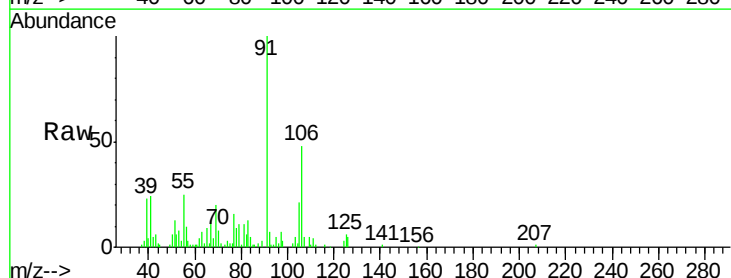
Acq: 28 Sep 2020 19:56

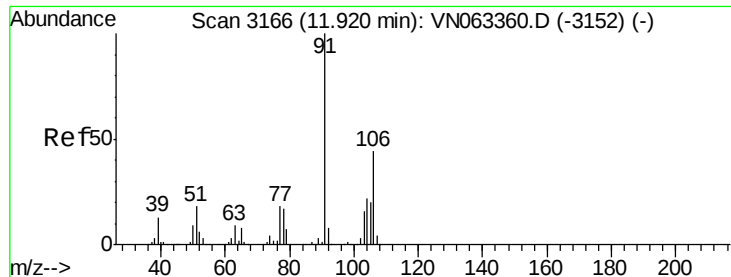
Tgt Ion: 106 Resp: 31517

Ion Ratio Lower Upper

106 100

91 21615.2 171.2 256.8#





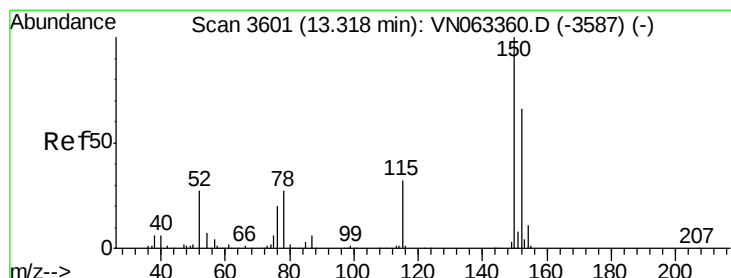
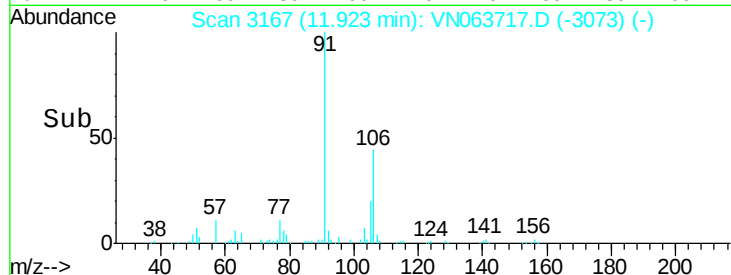
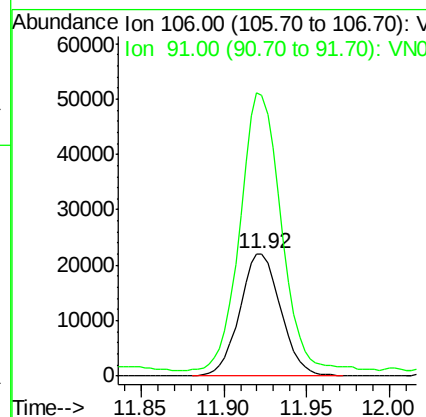
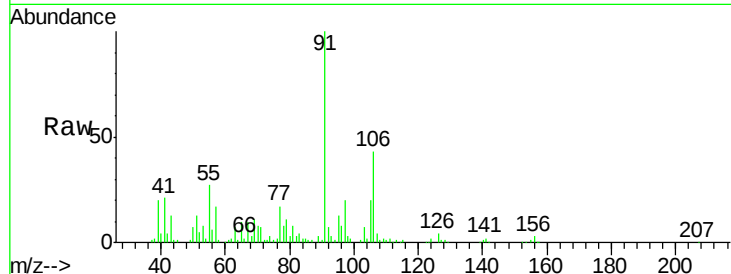
#69
o-Xylene
Concen: 5.680 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063717.D
Acq: 28 Sep 2020 19:56

Instrument :
MSVOA_N
ClientSampled :
TP-5

Tot Ion:106 Resp: 37965
Ion Ratio Lower Upper
106 100
91 224.3 113.6 340.8

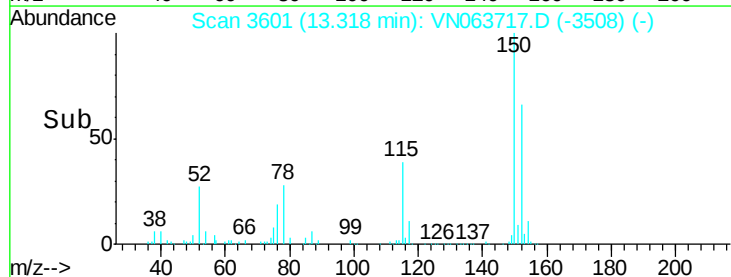
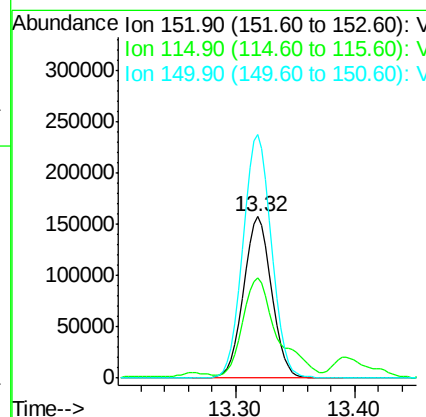
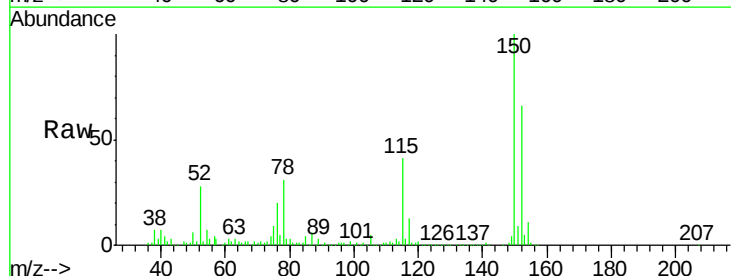
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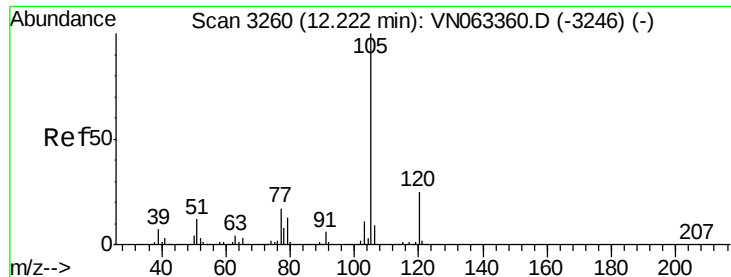
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063717.D
Acq: 28 Sep 2020 19:56

Tgt Ion:152 Resp: 255658
Ion Ratio Lower Upper
152 100
115 72.2 32.2 96.6
150 154.3 0.0 343.4





#73

Isopropylbenzene

Concen: 181.052 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063717.D

Acq: 28 Sep 2020 19:56

Instrument :

MSVOA_N

ClientSampled :

TP-5

Tot Ion:105 Resp: 3709212

Ion Ratio Lower Upper

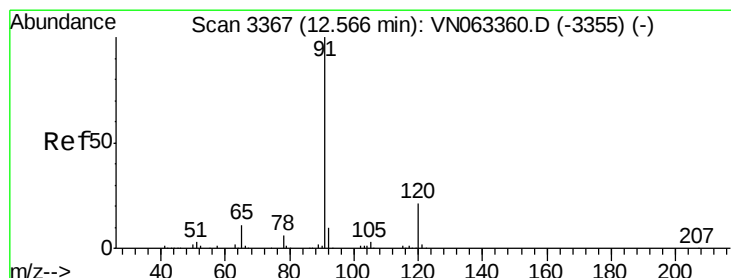
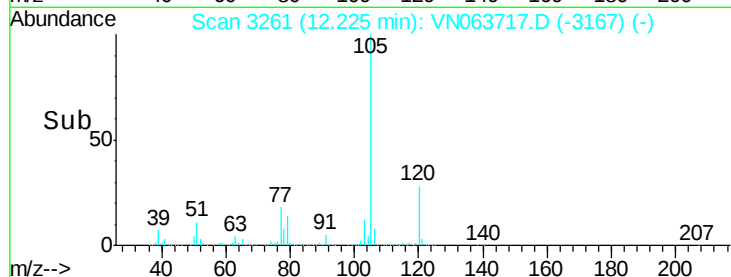
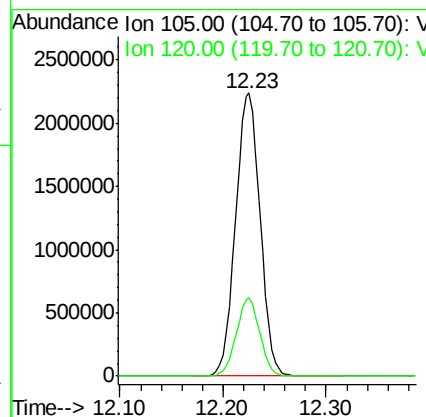
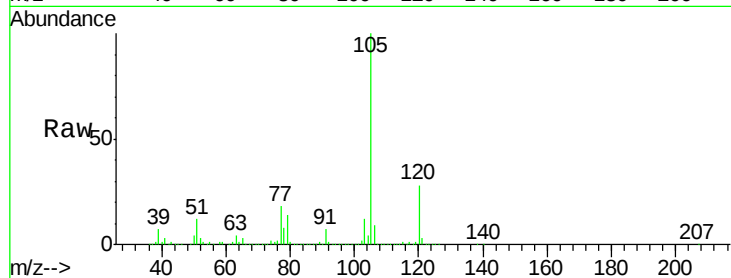
105 100

120 26.5 12.7 38.0

Manual Integrations
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#78

n-propylbenzene

Concen: 345.336 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063717.D

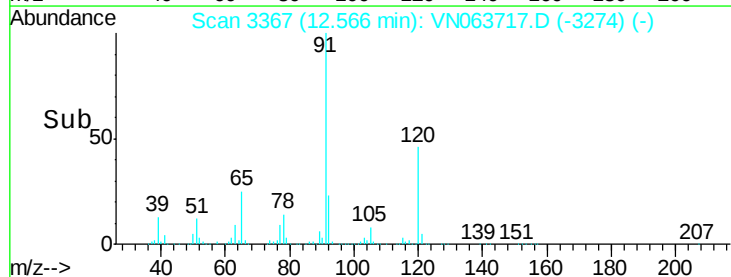
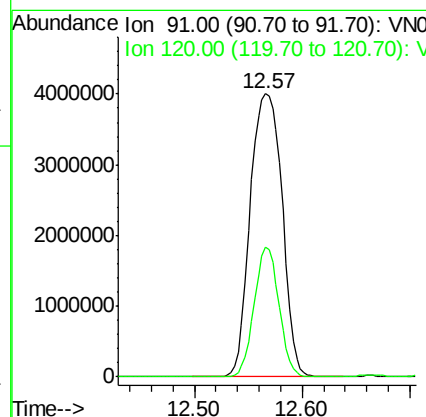
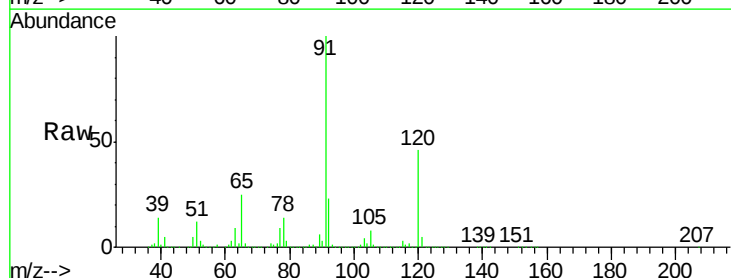
Acq: 28 Sep 2020 19:56

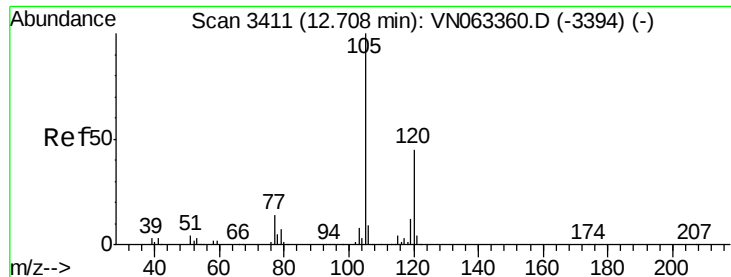
Tgt Ion: 91 Resp: 8240252

Ion Ratio Lower Upper

91 100

120 35.6 10.8 32.3#





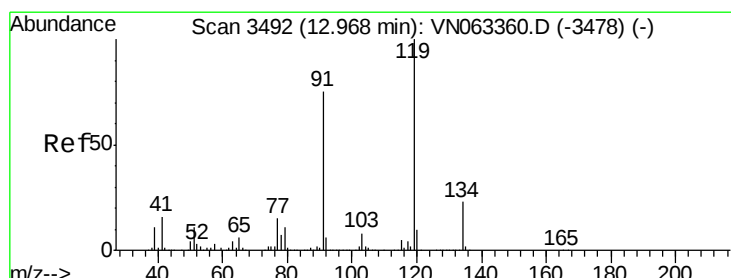
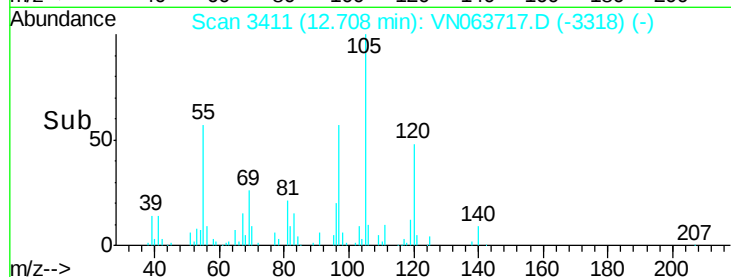
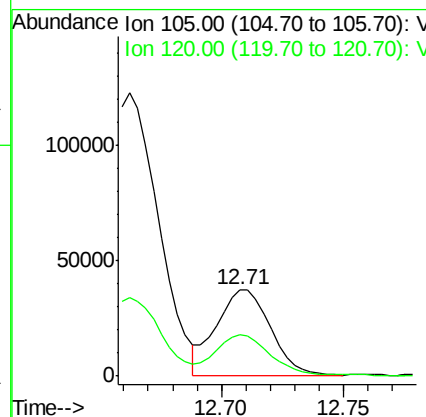
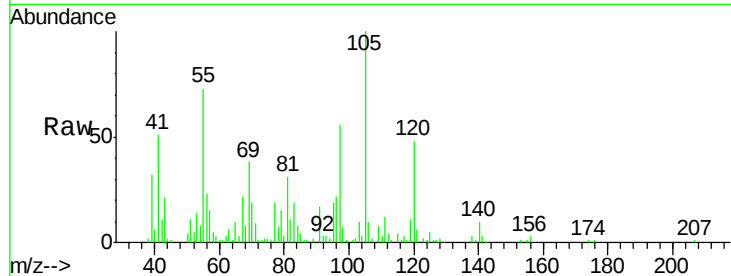
#80
 1,3,5-Trimethylbenzene
 Concen: 3.328 ug/l m
 RT: 12.71 min Scan# 3411
 Delta R.T. -0.00 min
 Lab File: VN063717.D
 Acq: 28 Sep 2020 19:56

Instrument :
 MSVOA_N
 ClientSampled :
 TP-5

Tot Ion:105 Resp: 56855
 Ion Ratio Lower Upper
 105 100
 120 805.9 22.9 68.8#

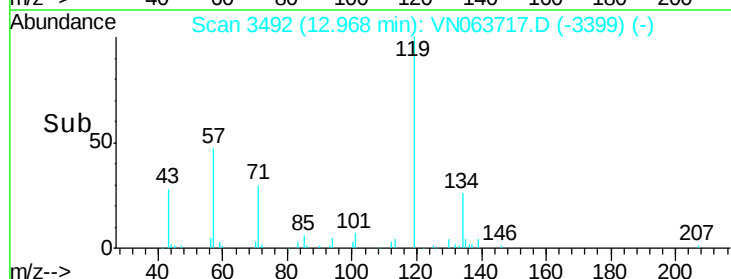
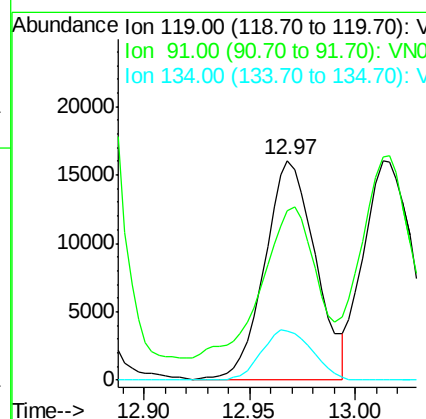
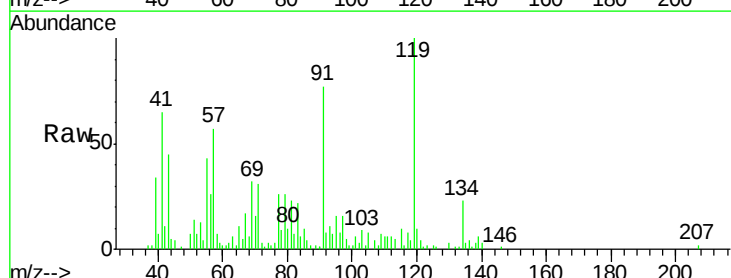
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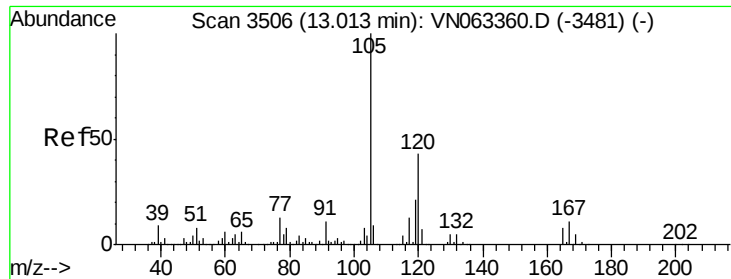
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#83
 tert-Butylbenzene
 Concen: 1.911 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN063717.D
 Acq: 28 Sep 2020 19:56

Tgt Ion:119 Resp: 26943
 Ion Ratio Lower Upper
 119 100
 91 71.8 36.3 108.9
 134 22.5 12.3 36.8





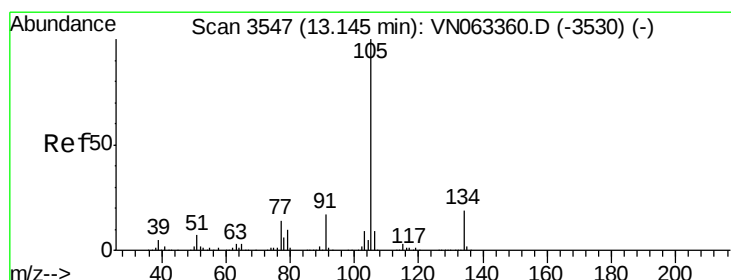
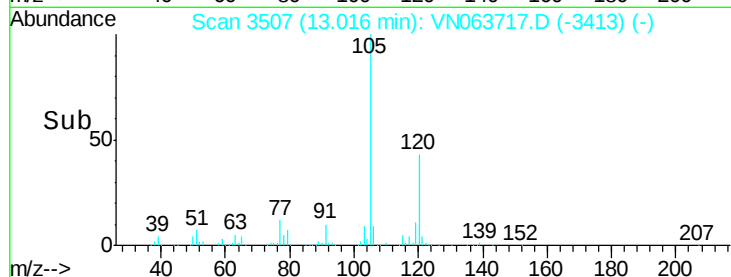
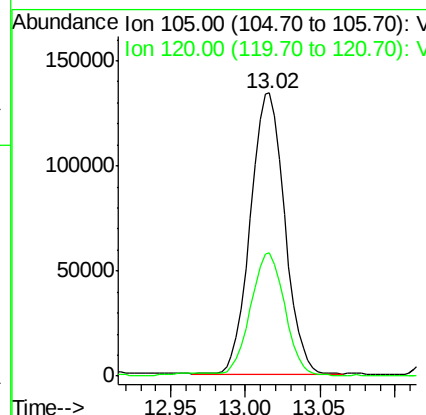
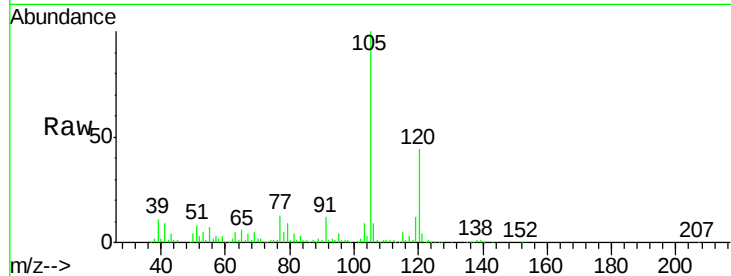
#84
 1,2,4-Trimethylbenzene
 Concen: 12.323 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN063717.D
 Acq: 28 Sep 2020 19:56

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-5

Tot Ion	Ratio	Lower	Upper
105	100		
120	43.2	21.3	63.9

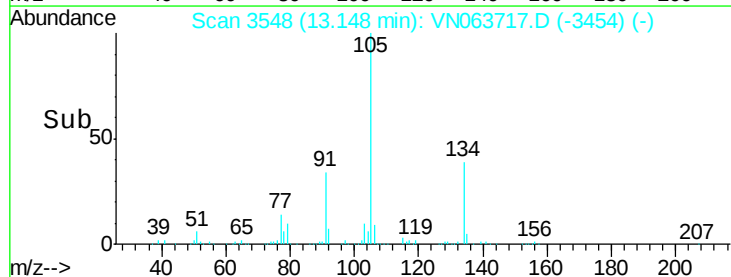
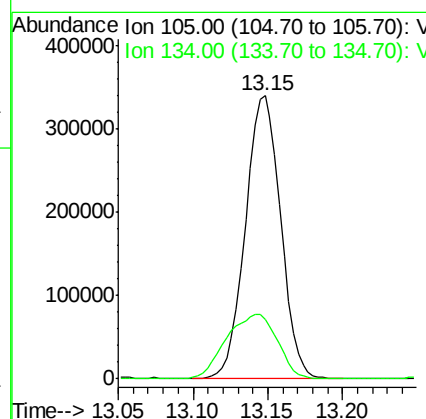
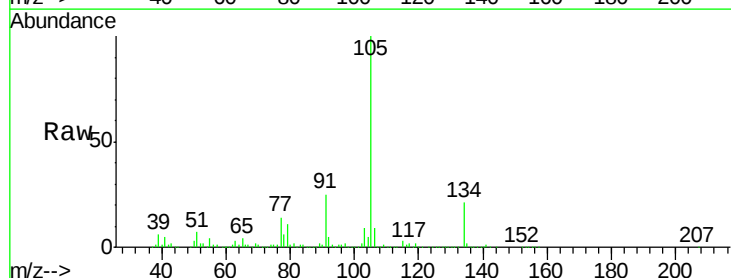
Manual Integrations
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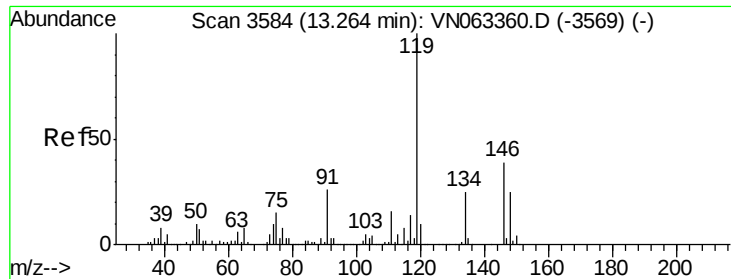
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#85
 sec-Butylbenzene
 Concen: 29.379 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN063717.D
 Acq: 28 Sep 2020 19:56

Tgt Ion	Ratio	Lower	Upper
105	100		
134	33.2	9.3	27.7#





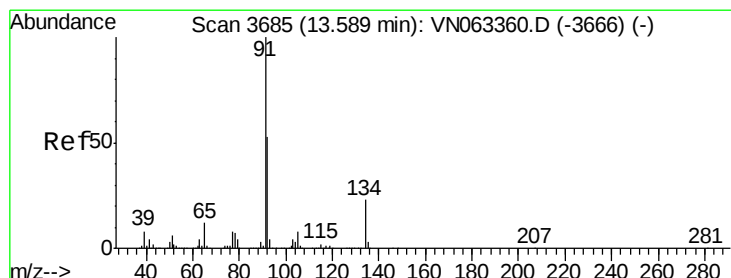
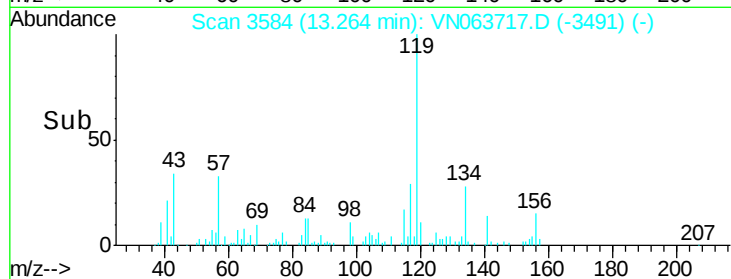
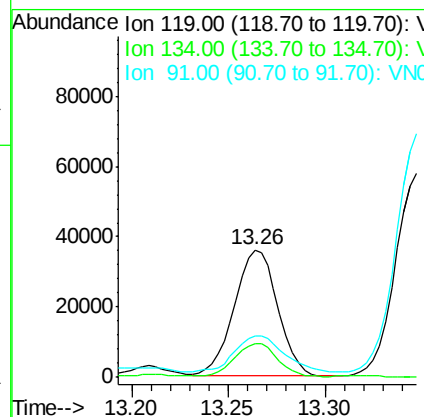
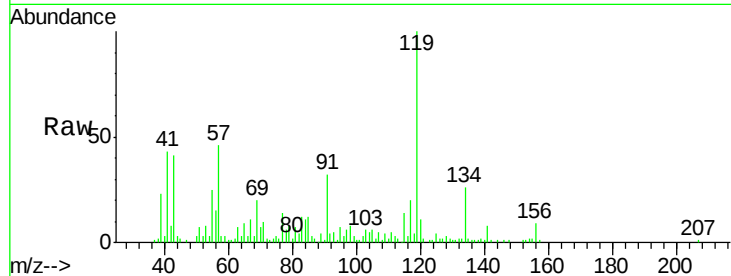
#86
p-Isopropyltoluene
Concen: 3.351 ug/l
RT: 13.26 min Scan# 3584
Delta R.T. -0.00 min
Lab File: VN063717.D
Acq: 28 Sep 2020 19:56

Instrument :
MSVOA_N
ClientSampled :
TP-5

Tot Ion	Ratio	Lower	Upper
119	100		
134	0.0	12.5	37.5#
91	0.0	13.4	40.1#

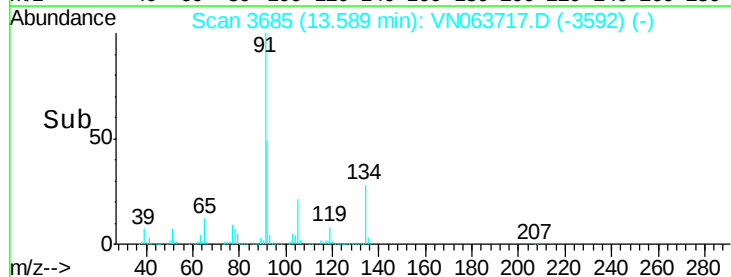
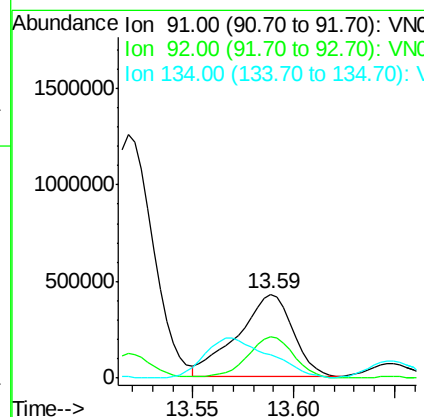
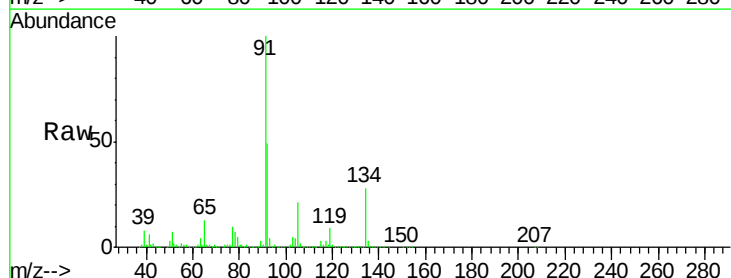
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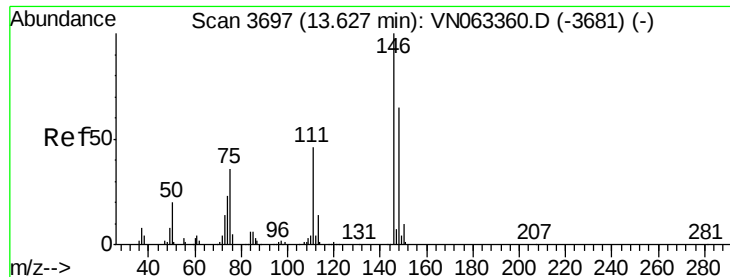
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#89
n-Butylbenzene
Concen: 52.881 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN063717.D
Acq: 28 Sep 2020 19:56

Tgt Ion	Ratio	Lower	Upper
91	100		
92	41.9	26.0	78.0
134	0.0	11.7	35.0#





#91

1,2-Dichlorobenzene

Concen: 1.490 ug/l

RT: 13.63 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN063717.D

Acq: 28 Sep 2020 19:56

Instrument :

MSVOA_N

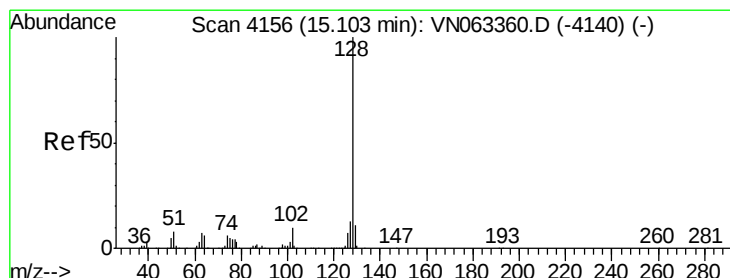
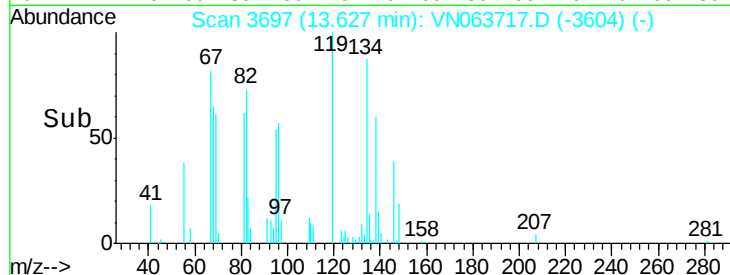
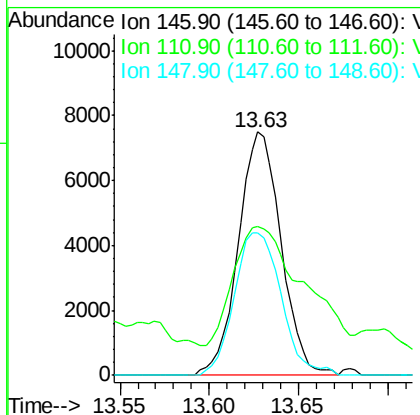
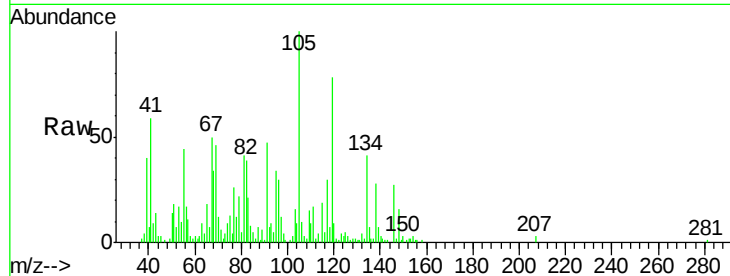
ClientSampled :

TP-5

Tot Ion:	146	Resp:	12498
Ion Ratio	Lower	Upper	
146	100		
111	78.3	22.4	67.2#
148	64.5	32.0	96.0

Manual Integrations
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#95

Naphthalene

Concen: 182.036 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. -0.00 min

Lab File: VN063717.D

Acq: 28 Sep 2020 19:56

Tgt Ion:	128	Resp:	2973238
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.6	15.8
129	10.9	8.8	13.2

