

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
 Data File : VN062440.D
 Acq On : 9 Jul 2020 5:35
 Operator : JC/MD
 Sample : L3215-19
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-6

Manual Integrations
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MMDadoda
 7/9/2020 10:58:48 AM

Quant Time: Jul 09 13:08:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 09 02:12:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	210593	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	369292	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	350743	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	154364	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	154213	47.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.22%	
35) Dibromofluoromethane	7.55	113	116358	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
50) Toluene-d8	10.06	98	481305	53.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.82%	
62) 4-Bromofluorobenzene	12.38	95	184070	55.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.80%	
Target Compounds						
					Qvalue	
31) Cyclohexane	7.61	56	359424	73.052	ug/l	97
39) Methylcyclohexane	9.05	83	452819	114.001	ug/l	98
40) Benzene	8.00	78	7466768	680.942	ug/l #	87
52) Toluene	10.13	92	2202227	347.698	ug/l	93
64) Tetrachloroethene	10.60	164	2034	0.977	ug/l	95
67) Ethyl Benzene	11.48	91	4774870	373.163	ug/l #	88
68) m/p-Xylenes	11.60	106	8047970	1776.684	ug/l #	51
69) o-Xylene	11.92	106	3652781	828.226	ug/l	70
73) Isopropylbenzene	12.22	105	304414	25.485	ug/l	99
78) n-propylbenzene	12.57	91	496707	35.598	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	2515823	256.919	ug/l	98
83) tert-Butylbenzene	12.97	119	4480m	0.539	ug/l	
84) 1,2,4-Trimethylbenzene	13.02	105	6624950	680.647	ug/l	77
85) sec-Butylbenzene	13.15	105	33777m	3.067	ug/l	
86) p-Isopropyltoluene	13.26	119	43244	4.550	ug/l #	73
95) Naphthalene	15.10	128	1312191	165.353	ug/l	100

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

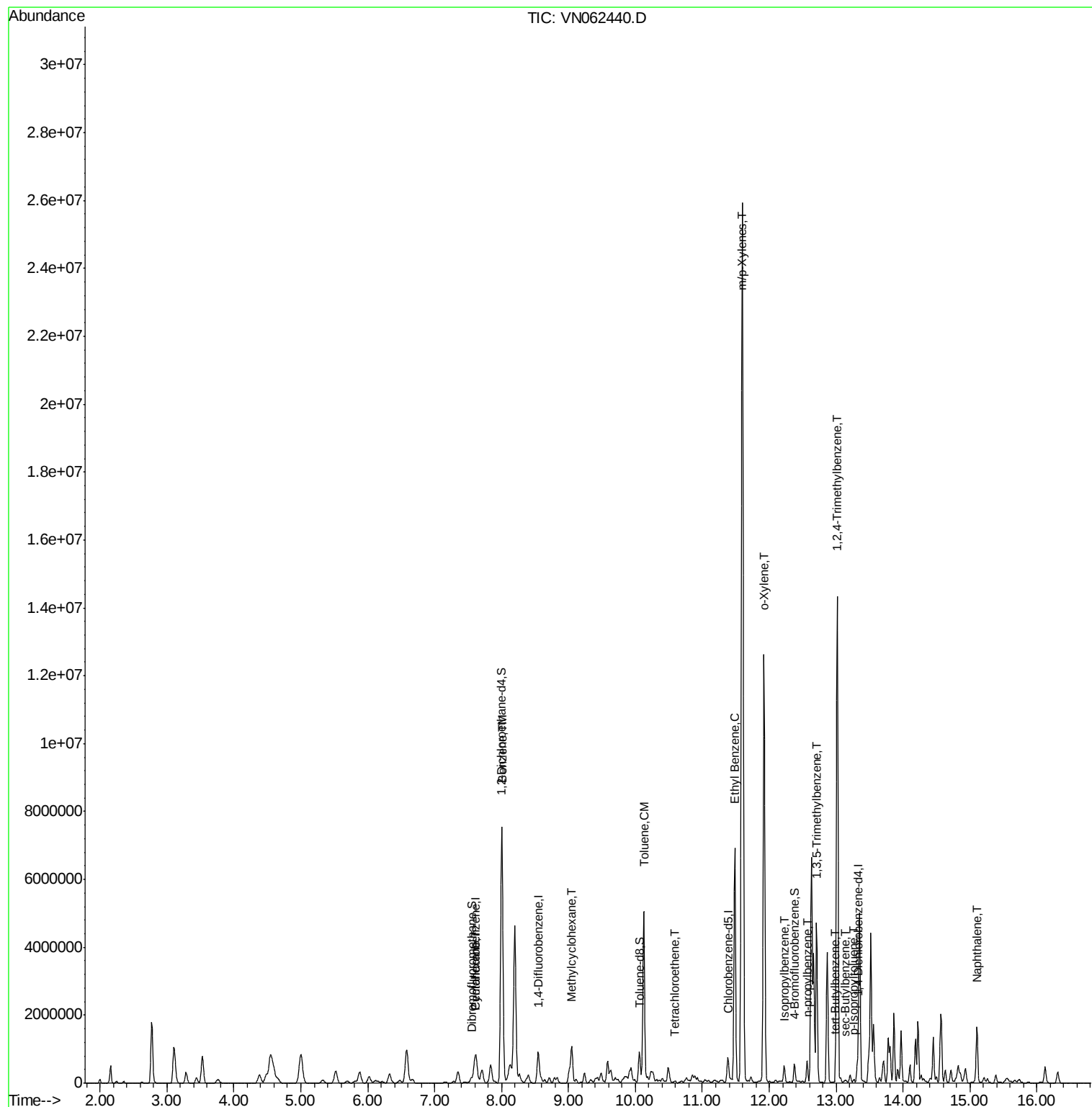
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN070820\
Data File : VN062440.D
Acq On : 9 Jul 2020 5:35
Operator : JC/MD
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ALS Vial : 50 Sample Multiplier: 1

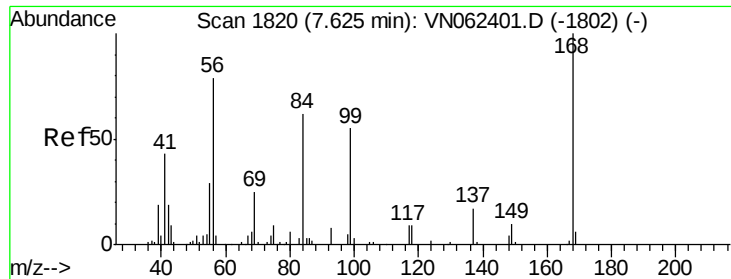
Instrument :
MSVOA_N
ClientSampleId :
MW-6

Quant Time: Jul 09 13:08:45 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 09 02:12:34 2020
Response via : Initial Calibration

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN062440.D

Acq: 9 Jul 2020 5:35

Instrument :

MSVOA_N

ClientSampleId :

MW-6

Tot Ion:168 Resp: 210593

Ion Ratio Lower Upper

168 100

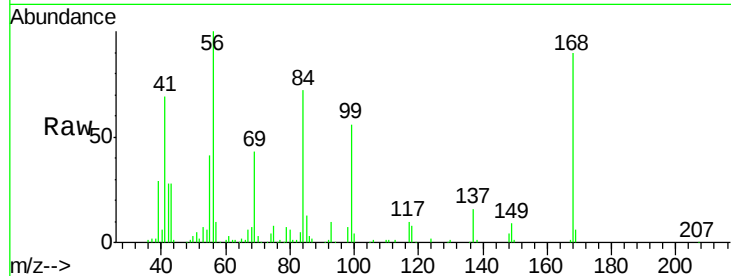
99 61.9 48.8 73.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

80000

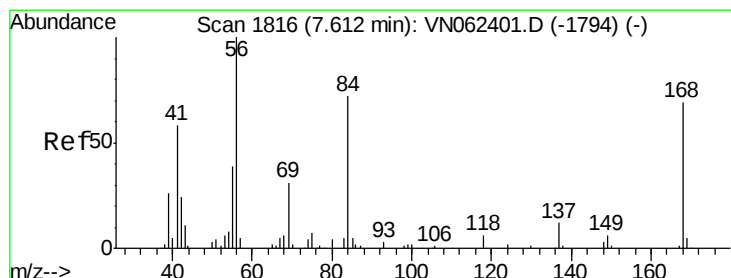
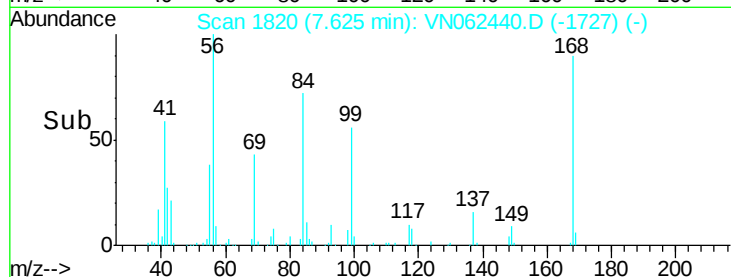
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#31

Cyclohexane

Concen: 73.052 ug/l

RT: 7.61 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VN062440.D

Acq: 9 Jul 2020 5:35

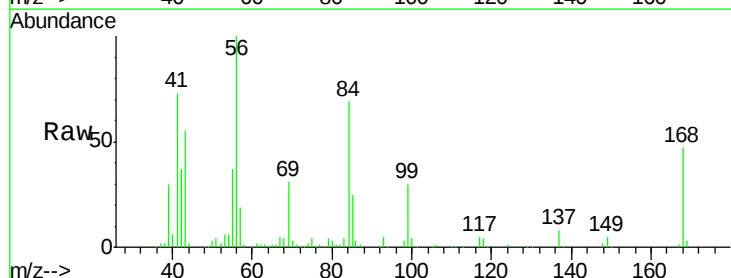
Tgt Ion: 56 Resp: 359424

Ion Ratio Lower Upper

56 100

69 29.7 24.5 36.7

84 69.1 57.4 86.2



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 69.00 (68.70 to 69.70): VN

Ion 84.00 (83.70 to 84.70): VN

7.61

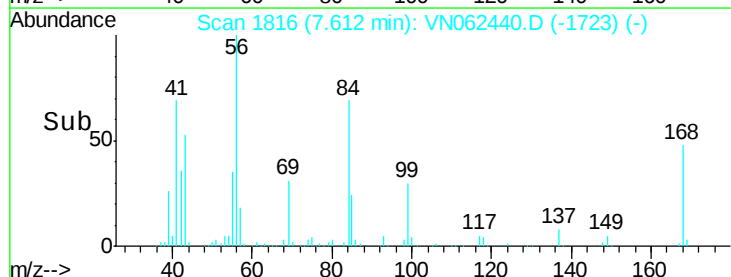
150000

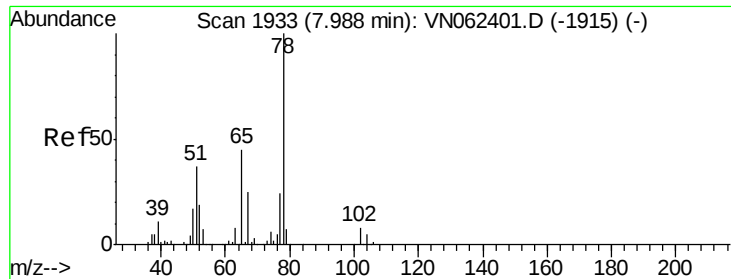
100000

50000

0

Time--> 7.50 7.55 7.60 7.65 7.70





#33

1,2-Dichloroethane-d4

Concen: 47.609 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN062440.D

Acq: 9 Jul 2020 5:35

Instrument :

MSVOA_N

ClientSampleId :

MW-6

Tot Ion: 65 Resp: 154213

Ion Ratio Lower Upper

65 100

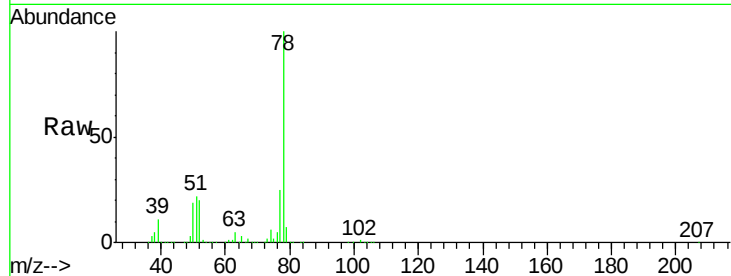
67 52.1 0.0 107.6

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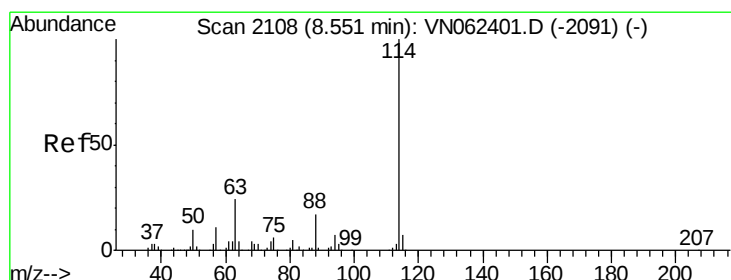
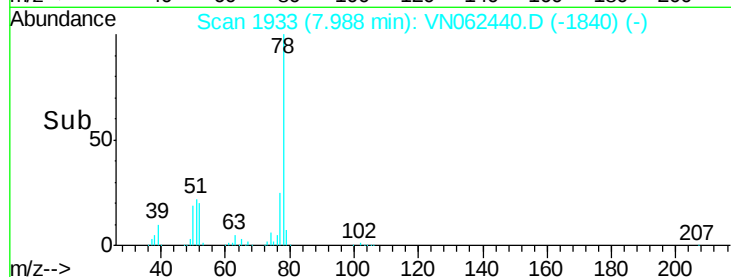
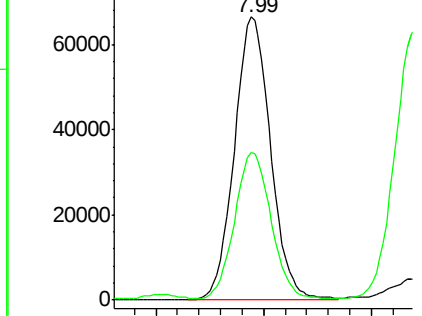
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Abundance Ion 64.90 (64.60 to 65.60): VN062440.D (-1840) (-)

Ion 66.90 (66.60 to 67.60): VN062440.D (-1840) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN062440.D

Acq: 9 Jul 2020 5:35

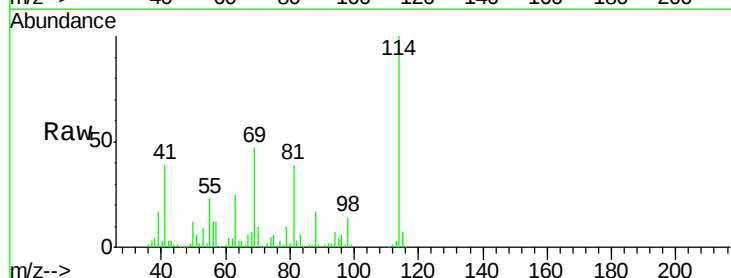
Tgt Ion: 114 Resp: 369292

Ion Ratio Lower Upper

114 100

63 25.4 0.0 48.4

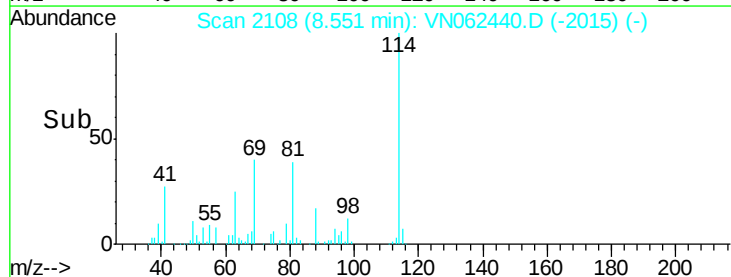
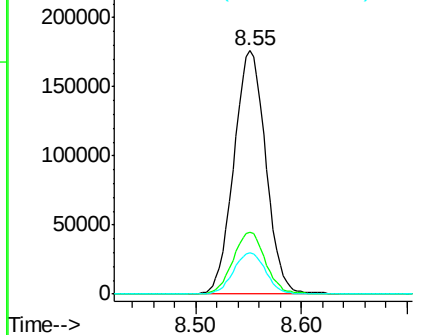
88 16.9 0.0 33.8

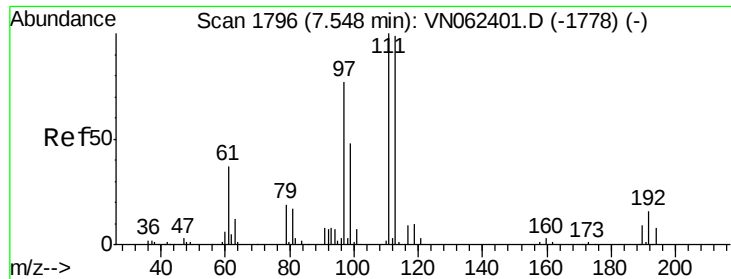


Abundance Ion 113.90 (113.60 to 114.60): VN062440.D (-2015) (-)

Ion 63.00 (62.70 to 63.70): VN062440.D (-2015) (-)

Ion 87.90 (87.60 to 88.60): VN062440.D (-2015) (-)





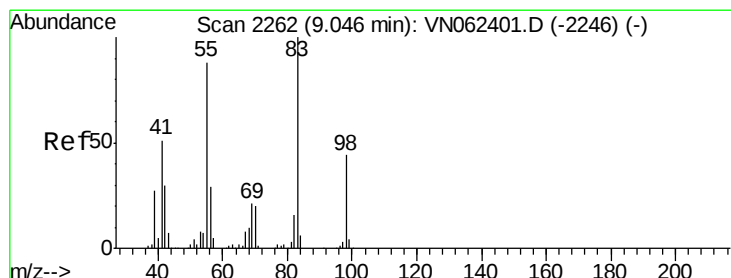
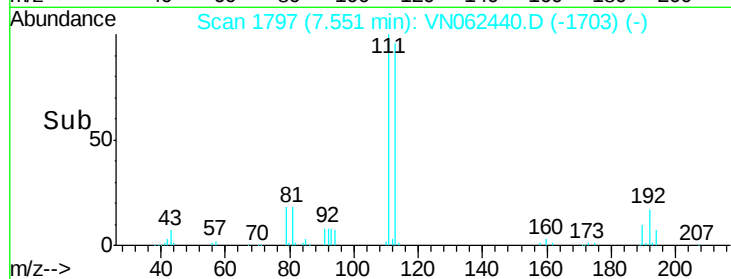
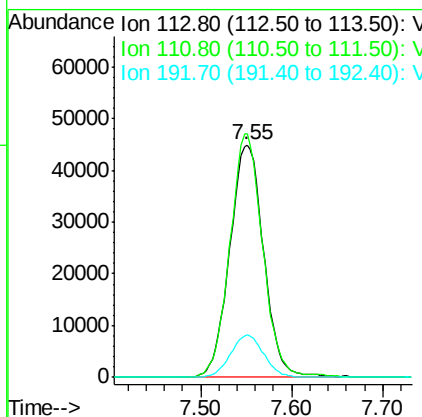
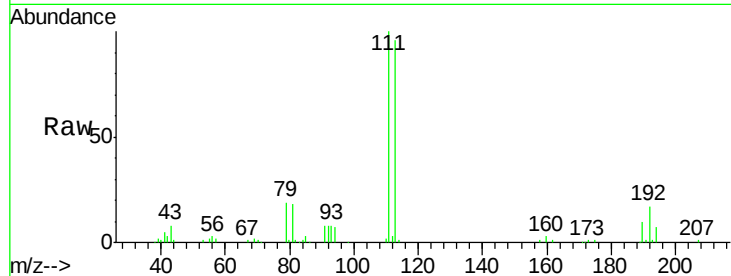
#35
Dibromofluoromethane
Concen: 50.973 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN062440.D
Acq: 9 Jul 2020 5:35

Instrument :
MSVOA_N
ClientSampled :
MW-6

Tot Ion	Ratio	Resp	Lower	Upper
113	100	116358		
111	100.6	83.1	124.7	
192	17.7	14.1	21.1	

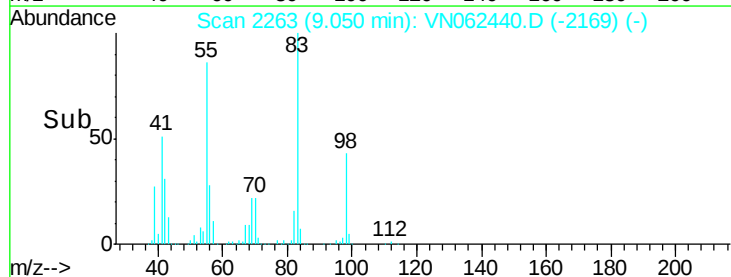
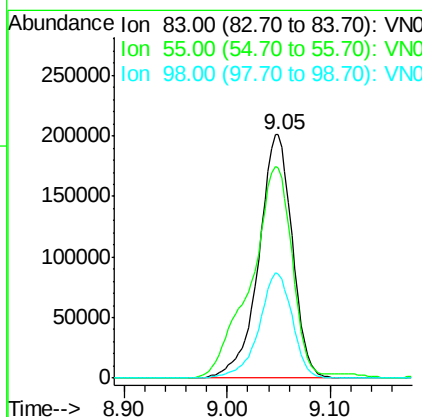
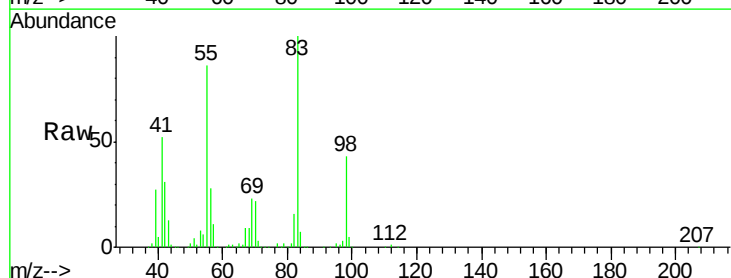
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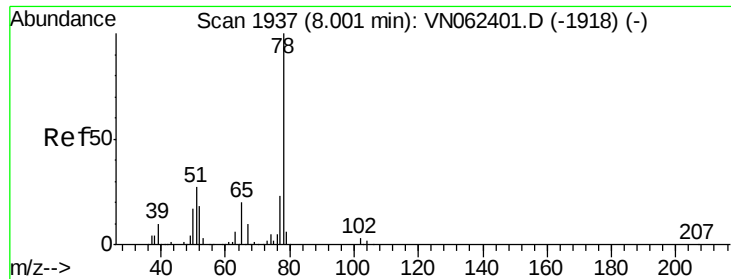
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#39
Methylcyclohexane
Concen: 114.001 ug/l
RT: 9.05 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VN062440.D
Acq: 9 Jul 2020 5:35

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	452819		
55	86.3	70.5	105.7	
98	43.0	35.5	53.3	





#40

Benzene

Concen: 680.942 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN062440.D

Acq: 9 Jul 2020 5:35

Instrument :

MSVOA_N

ClientSampleId :

MW-6

Tot Ion: 78 Resp: 7466768

Ion Ratio Lower Upper

78 100

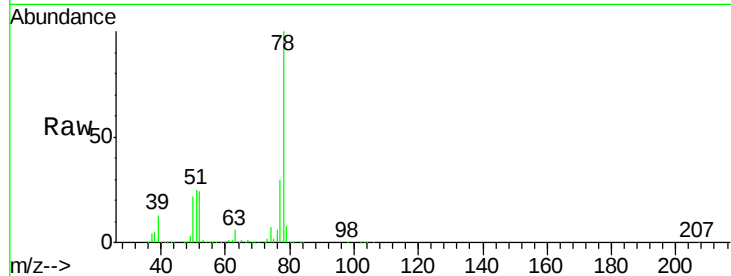
77 29.7 18.7 28.1#

Manual Integrations

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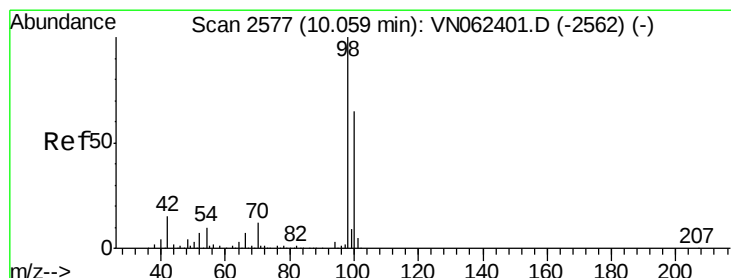
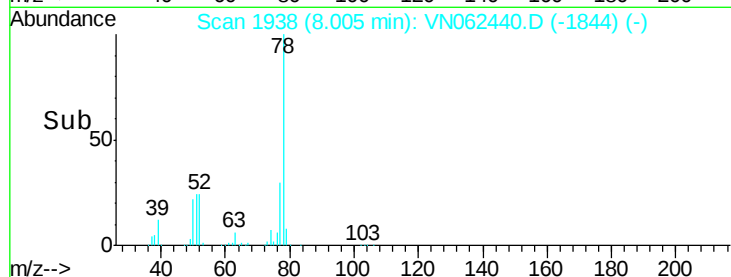
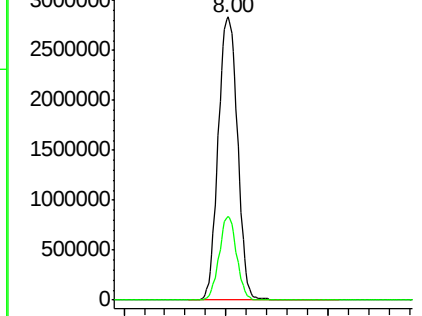
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Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#50

Toluene-d8

Concen: 53.410 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062440.D

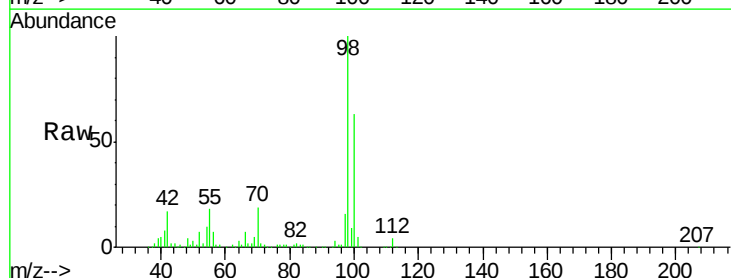
Acq: 9 Jul 2020 5:35

Tgt Ion: 98 Resp: 481305

Ion Ratio Lower Upper

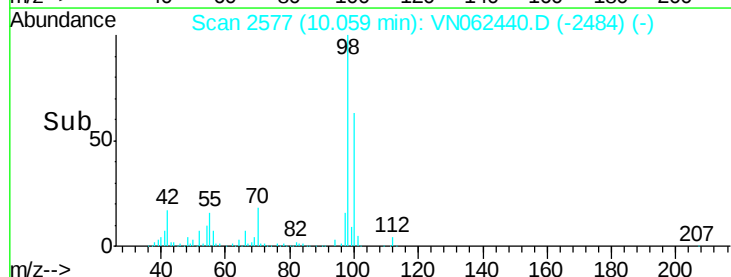
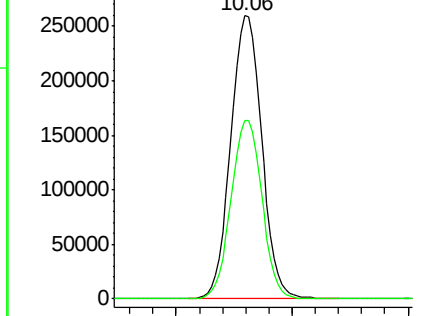
98 100

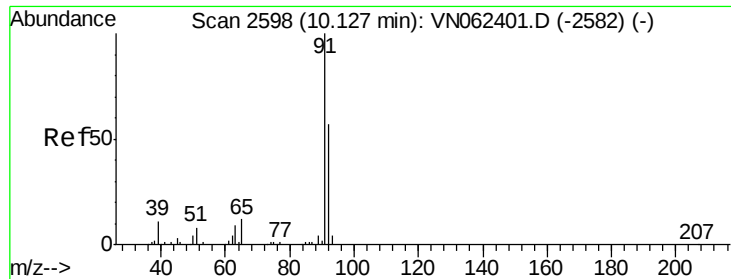
100 63.0 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#52

Toluene

Concen: 347.698 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. -0.00 min

Lab File: VN062440.D

Acq: 9 Jul 2020 5:35

Instrument :

MSVOA_N

ClientSampled :

MW-6

Tot Ion: 92 Resp: 2202227

Ion Ratio Lower Upper

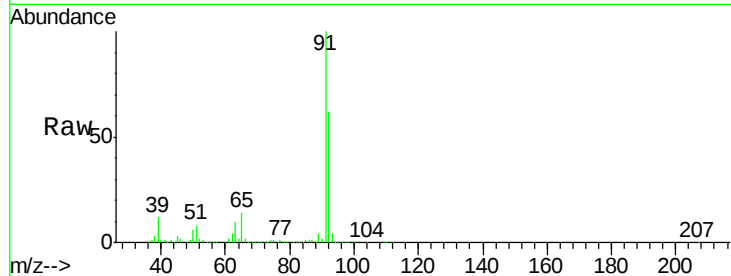
92 100

91 167.1 141.0 211.6

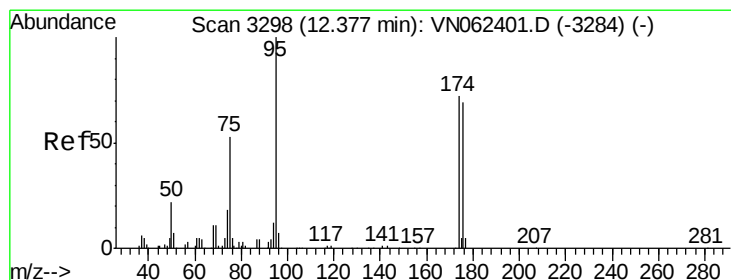
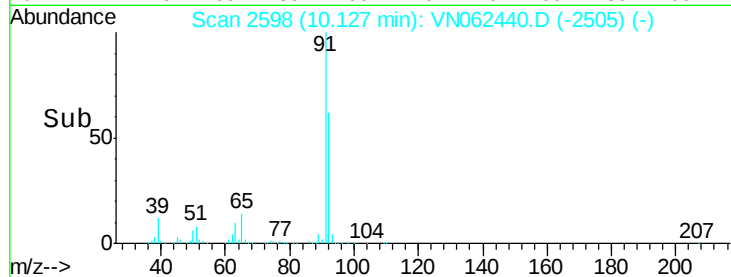
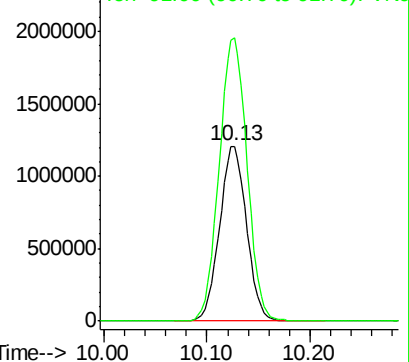
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Abundance Ion 92.00 (91.70 to 92.70): VN062440.D (-2505) (-)



#62

4-Bromofluorobenzene

Concen: 55.896 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.00 min

Lab File: VN062440.D

Acq: 9 Jul 2020 5:35

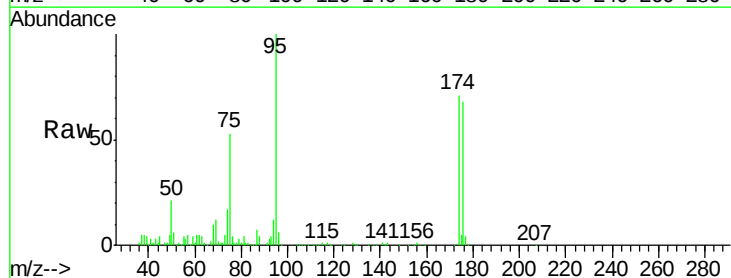
Tgt Ion: 95 Resp: 184070

Ion Ratio Lower Upper

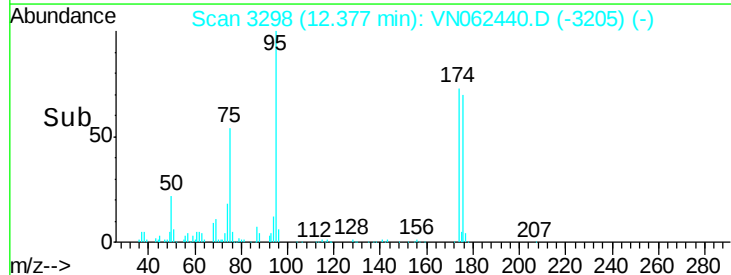
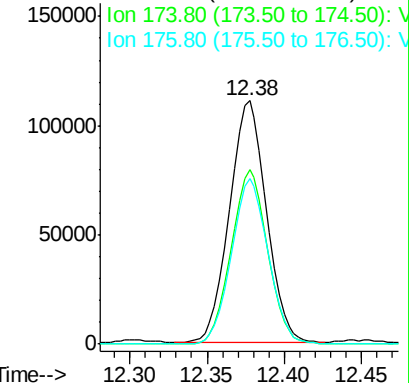
95 100

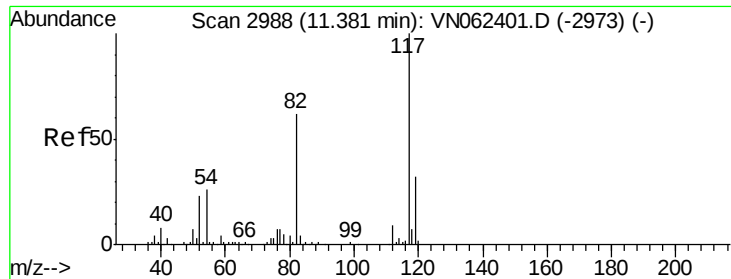
174 71.1 0.0 141.6

176 68.1 0.0 137.2



Abundance Ion 94.90 (94.60 to 95.60): VN062440.D (-3205) (-)





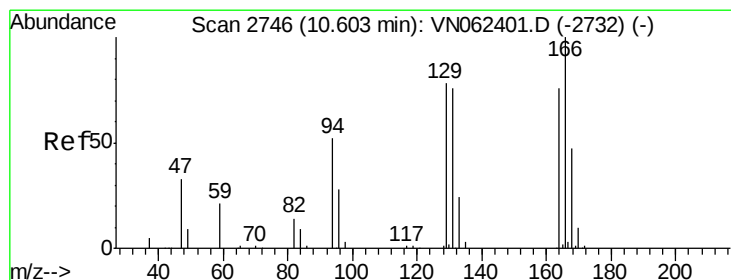
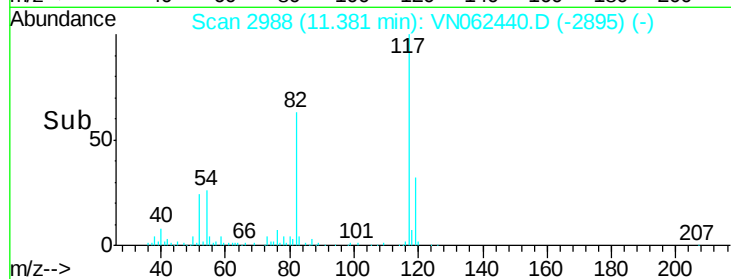
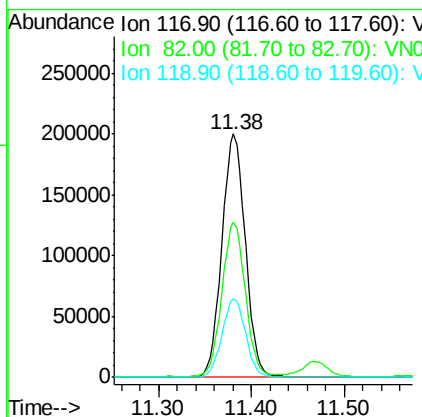
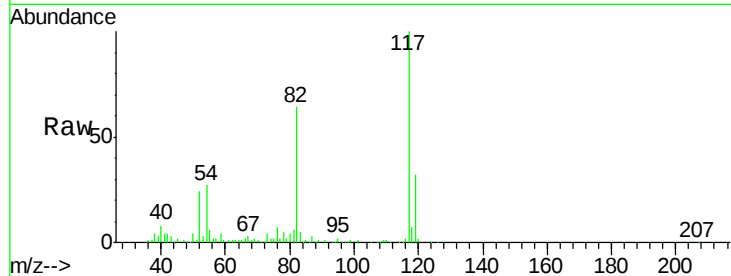
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062440.D
Acq: 9 Jul 2020 5:35

Instrument :
MSVOA_N
ClientSampled :
MW-6

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.6	49.6	74.4
119	32.2	25.4	38.0

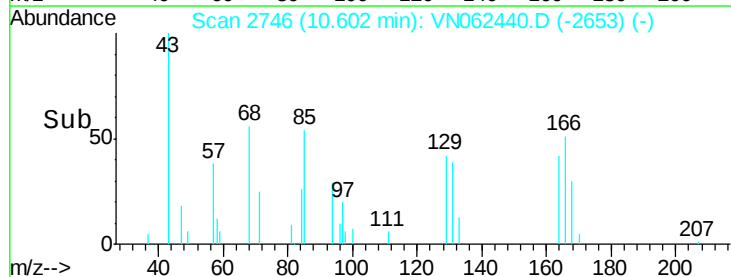
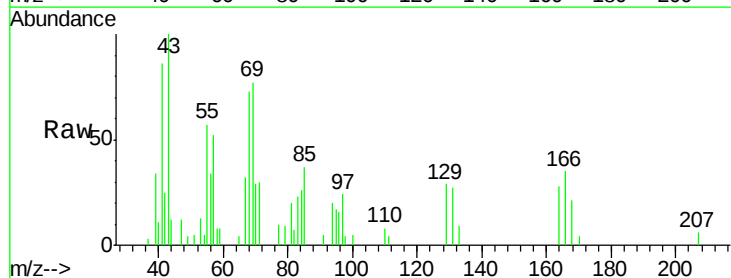
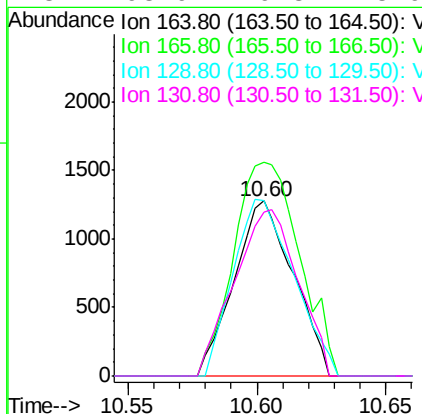
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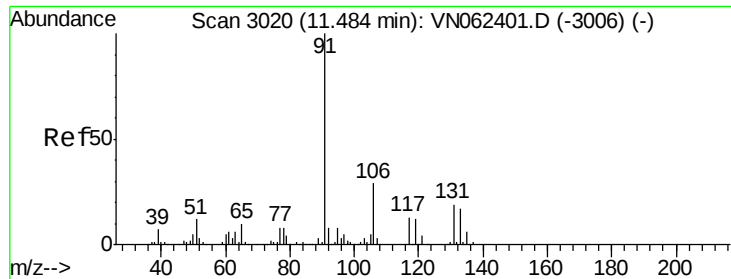
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#64
Tetrachloroethene
Concen: 0.977 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062440.D
Acq: 9 Jul 2020 5:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.0	104.9	157.3
129	100.5	81.8	122.6
131	93.9	79.3	118.9





#67

Ethyl Benzene

Concen: 373.163 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. -0.00 min

Lab File: VN062440.D

Acq: 9 Jul 2020 5:35

Instrument :

MSVOA_N

ClientSampled :

MW-6

Tot Ion: 91 Resp: 4774870

Ion Ratio Lower Upper

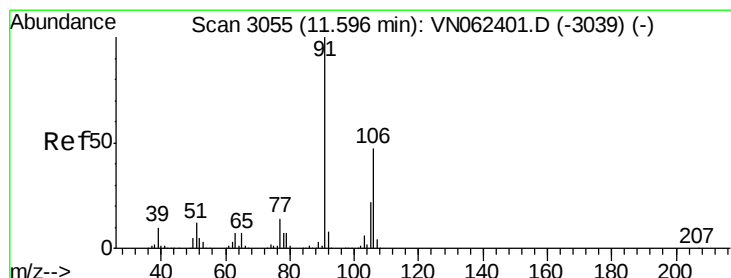
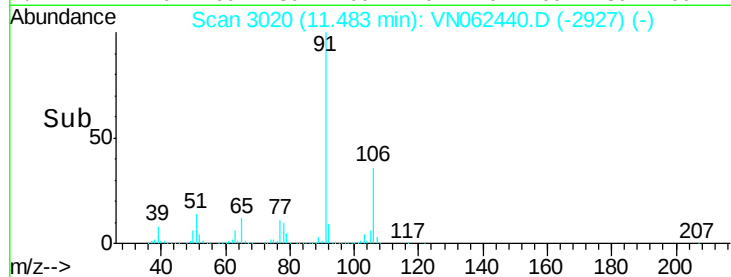
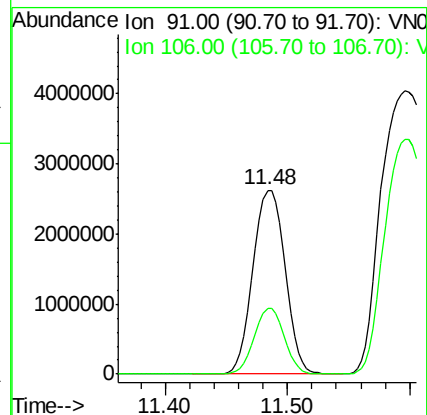
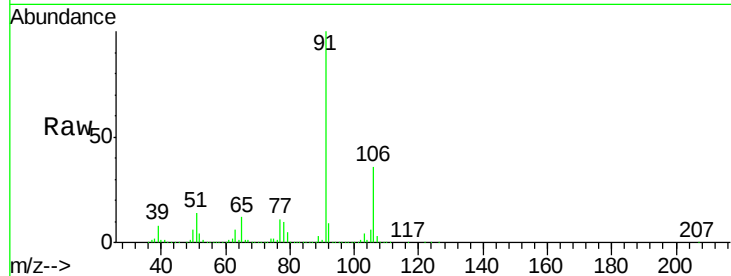
91 100

106 36.0 23.4 35.2#

Manual Integrations
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#68

m/p-Xylenes

Concen: 1776.684 ug/l

RT: 11.60 min Scan# 3055

Delta R.T. -0.00 min

Lab File: VN062440.D

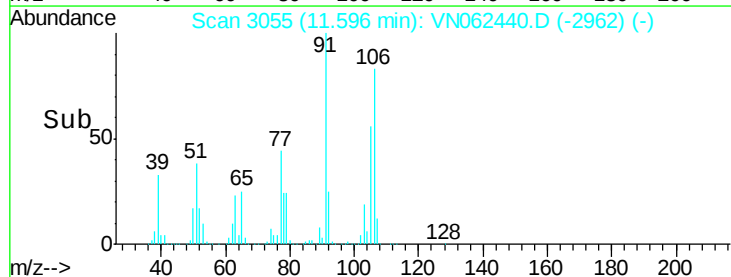
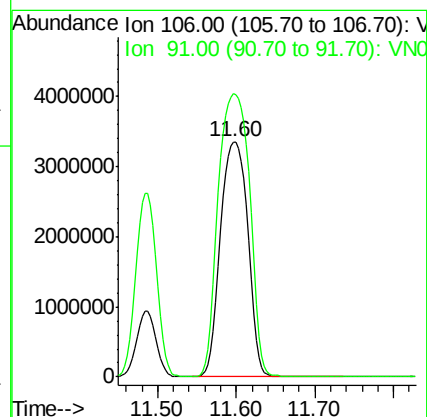
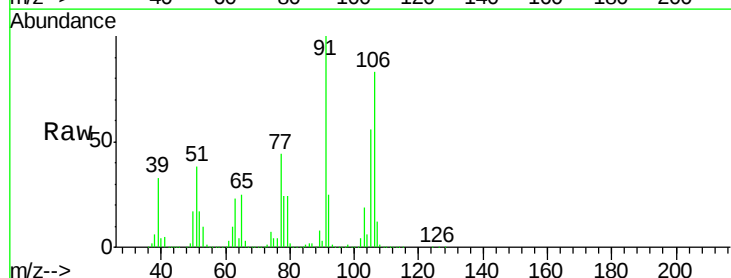
Acq: 9 Jul 2020 5:35

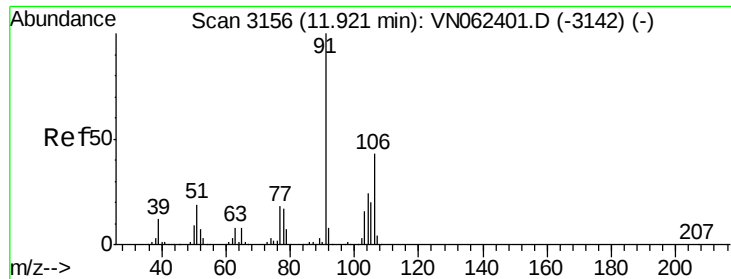
Tgt Ion: 106 Resp: 8047970

Ion Ratio Lower Upper

106 100

91 138.3 172.4 258.6#





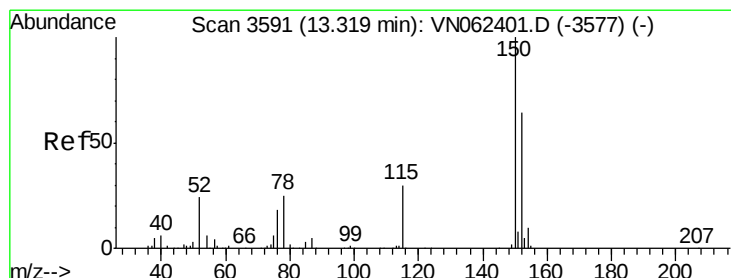
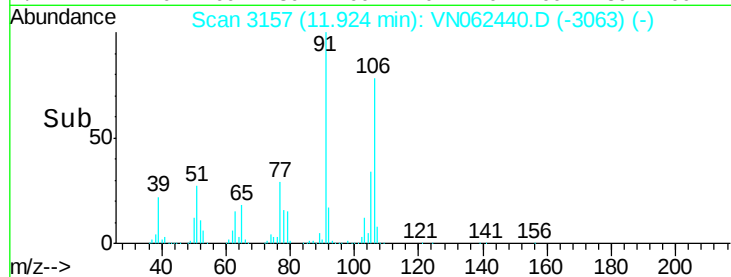
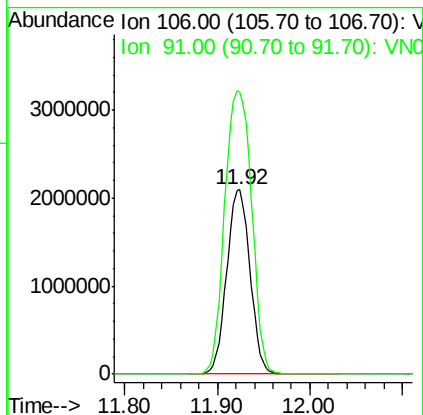
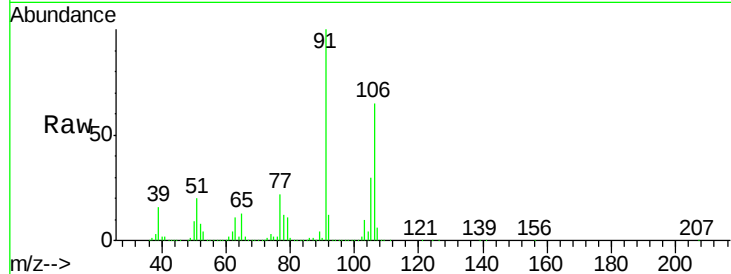
#69
o-Xylene
Concen: 828.226 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN062440.D
Acq: 9 Jul 2020 5:35

Instrument :
MSVOA_N
ClientSampled :
MW-6

Tot Ion:106 Resp: 3652781
Ion Ratio Lower Upper
106 100
91 177.8 113.8 341.4

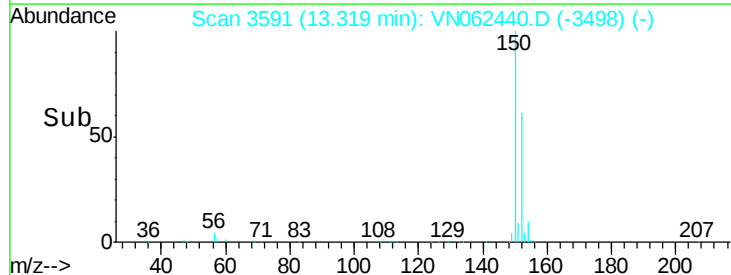
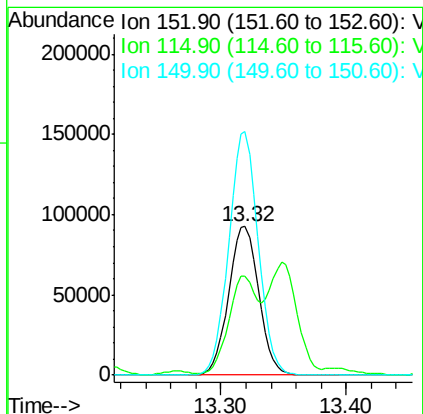
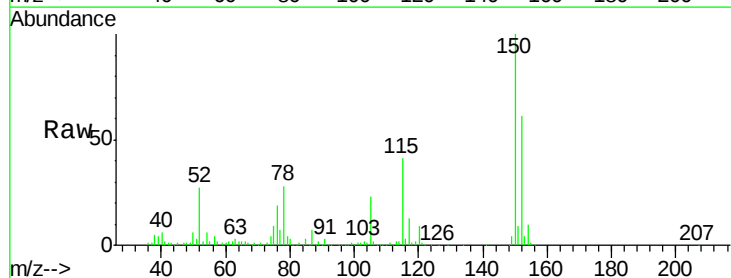
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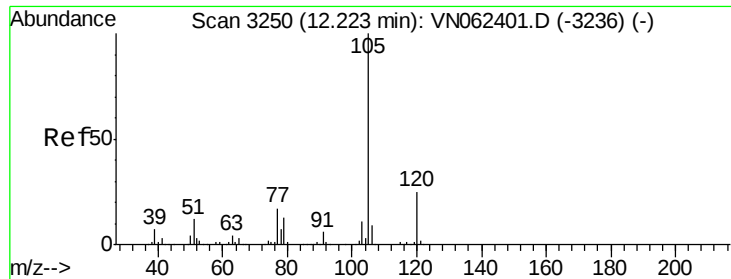
MMDadoda
7/9/2020 10:58:48 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. -0.00 min
Lab File: VN062440.D
Acq: 9 Jul 2020 5:35

Tgt Ion:152 Resp: 154364
Ion Ratio Lower Upper
152 100
115 63.1 31.4 94.2
150 159.4 0.0 347.4





#73

Isopropylbenzene

Concen: 25.485 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN062440.D

Acq: 9 Jul 2020 5:35

Instrument :

MSVOA_N

ClientSampled :

MW-6

Tot Ion: 105 Resp: 304414

Ion Ratio Lower Upper

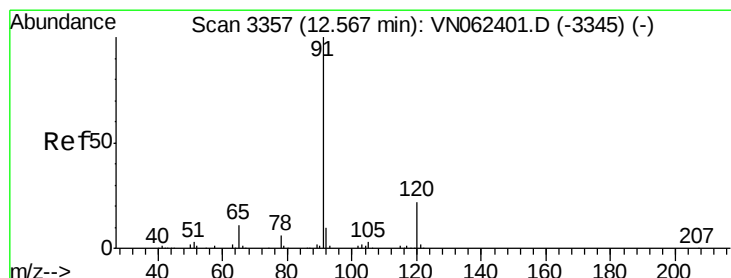
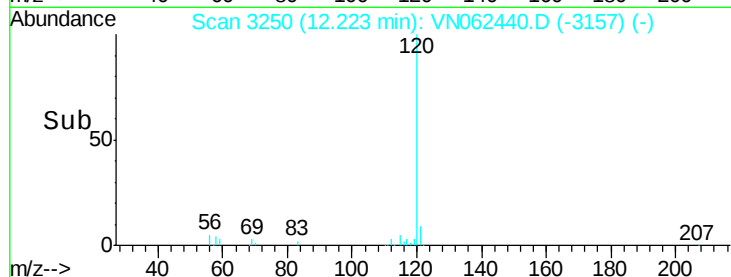
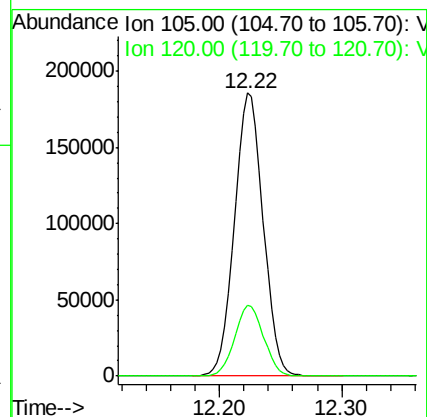
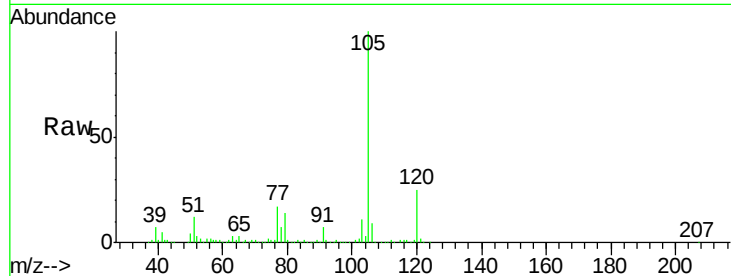
105 100

120 25.1 12.7 38.1

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#78

n-propylbenzene

Concen: 35.598 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. -0.00 min

Lab File: VN062440.D

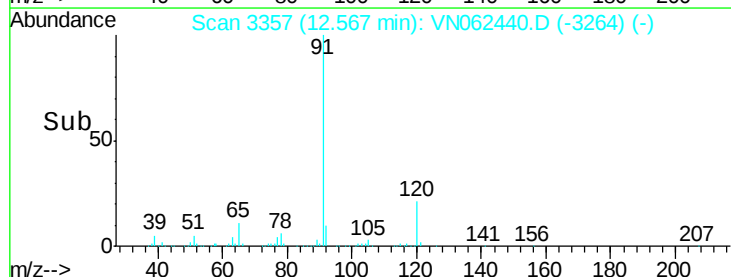
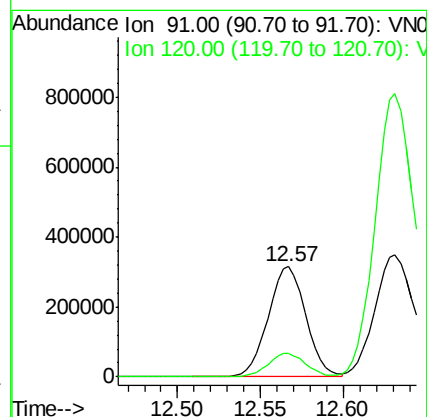
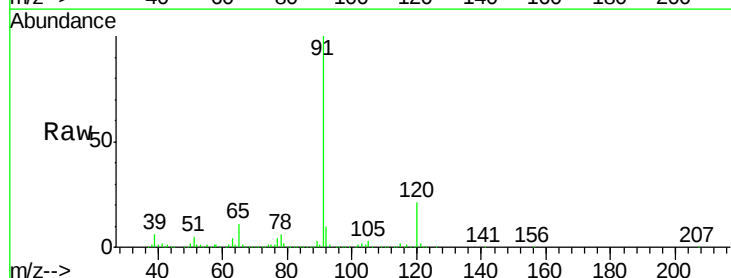
Acq: 9 Jul 2020 5:35

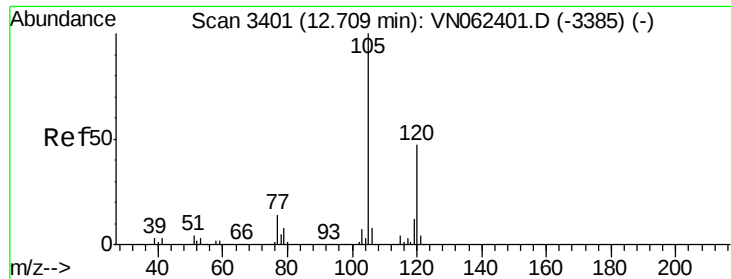
Tgt Ion: 91 Resp: 496707

Ion Ratio Lower Upper

91 100

120 21.1 10.7 32.1





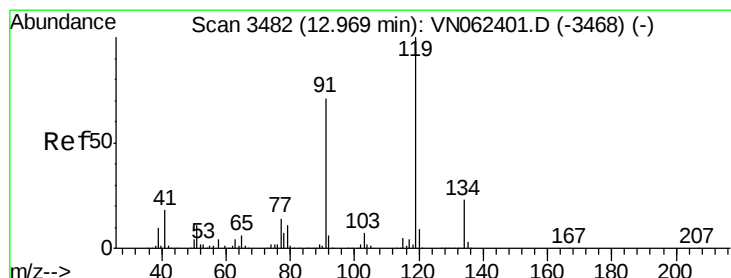
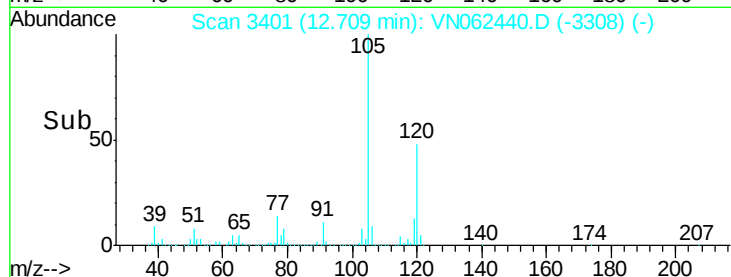
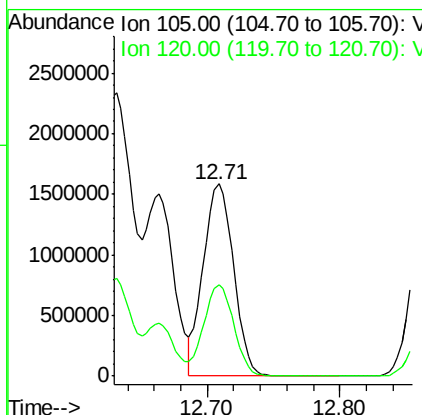
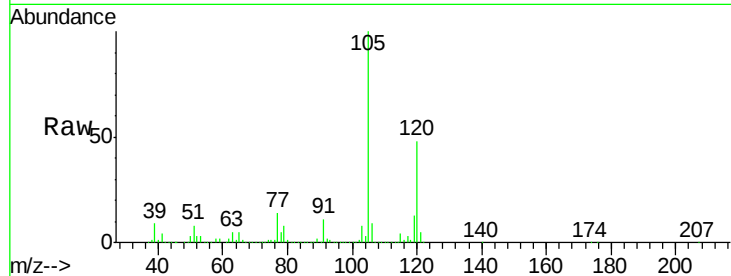
#80
 1,3,5-Trimethylbenzene
 Concen: 256.919 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN062440.D
 Acq: 9 Jul 2020 5:35

Instrument :
 MSVOA_N
 ClientSampled :
 MW-6

Tot Ion:105 Resp: 2515823
 Ion Ratio Lower Upper
 105 100
 120 47.9 23.4 70.2

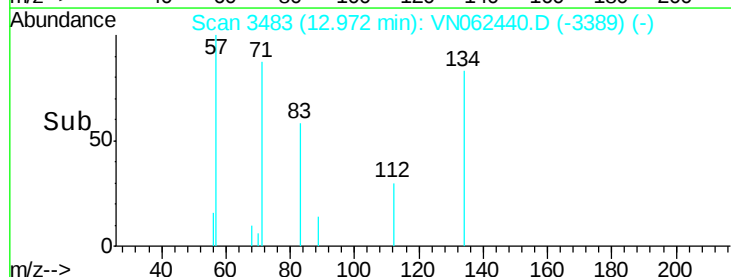
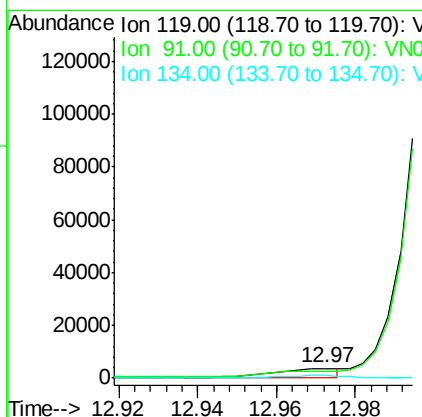
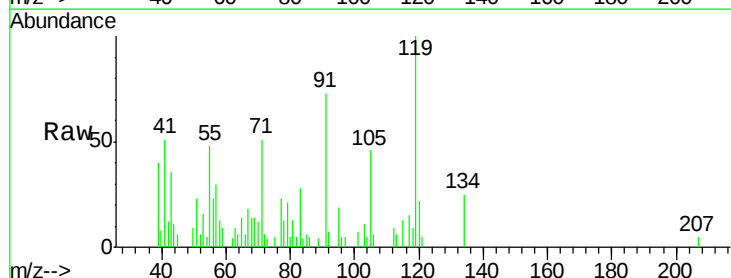
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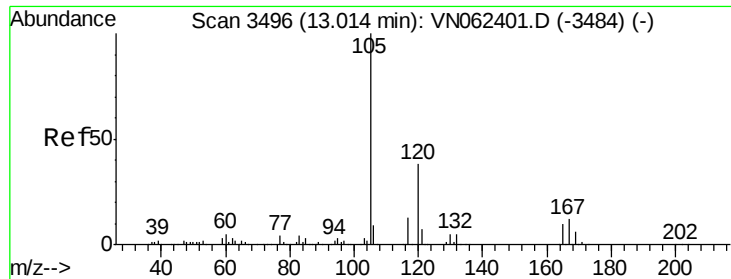
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 7/9/2020 10:58:48 AM



#83
 tert-Butylbenzene
 Concen: 0.539 ug/l m
 RT: 12.97 min Scan# 3483
 Delta R.T. 0.00 min
 Lab File: VN062440.D
 Acq: 9 Jul 2020 5:35

Tgt Ion:119 Resp: 4480
 Ion Ratio Lower Upper
 119 100
 91 23827.5 34.8 104.3#
 134 0.0 11.7 35.0#





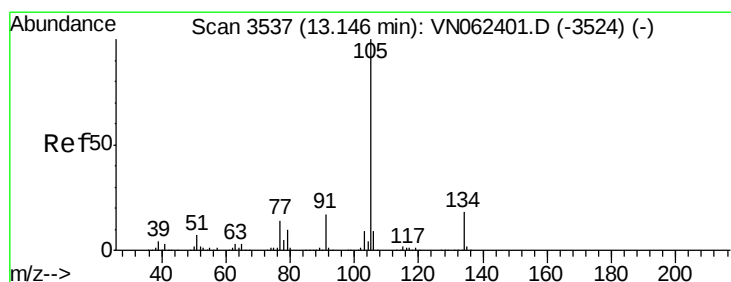
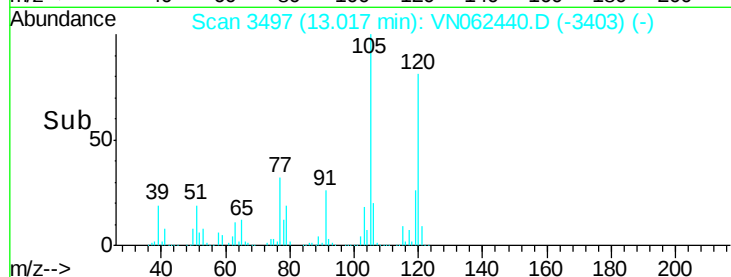
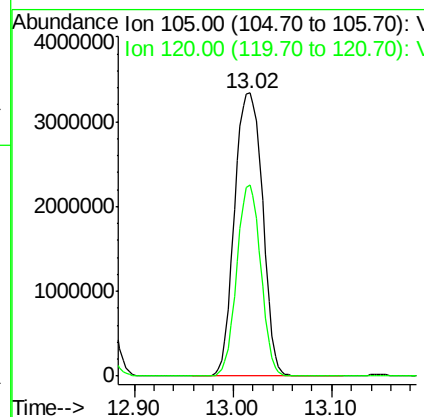
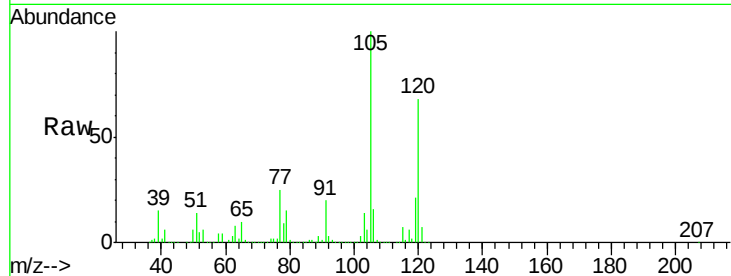
#84
 1,2,4-Trimethylbenzene
 Concen: 680.647 ug/l
 RT: 13.02 min Scan# 3497
 Delta R.T. 0.00 min
 Lab File: VN062440.D
 Acq: 9 Jul 2020 5:35

Instrument :
 MSVOA_N
 ClientSampled :
 MW-6

Tot Ion:105 Resp: 6624950
 Ion Ratio Lower Upper
 105 100
 120 57.7 21.6 64.8

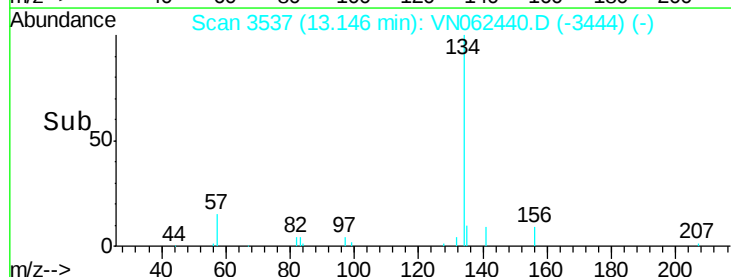
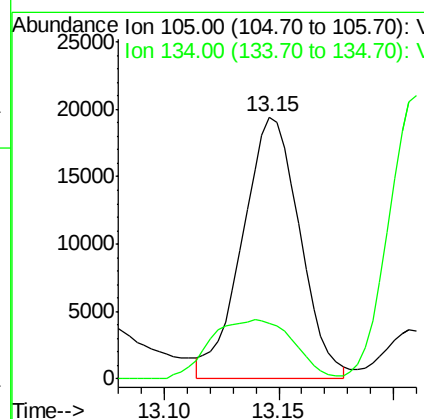
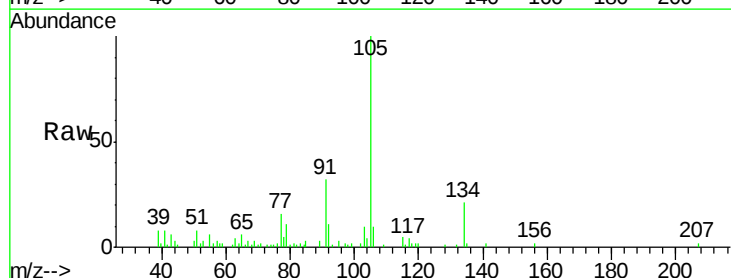
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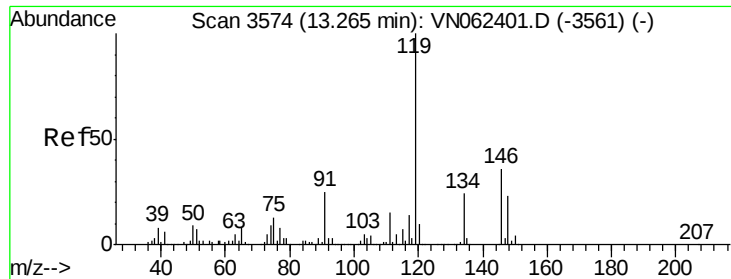
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#85
 sec-Butylbenzene
 Concen: 3.067 ug/l m
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN062440.D
 Acq: 9 Jul 2020 5:35

Tgt Ion:105 Resp: 33777
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.3 28.0#





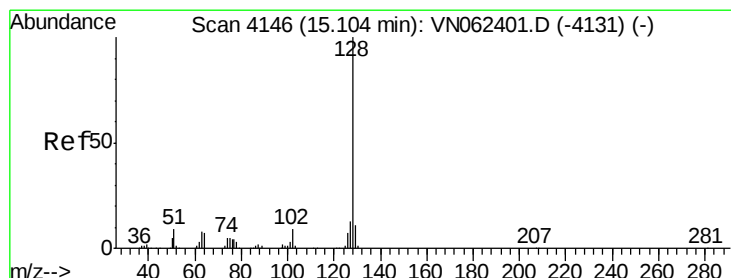
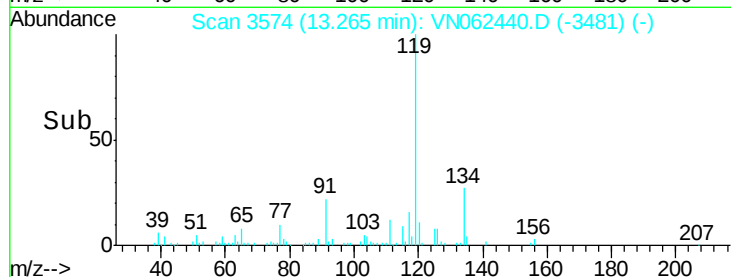
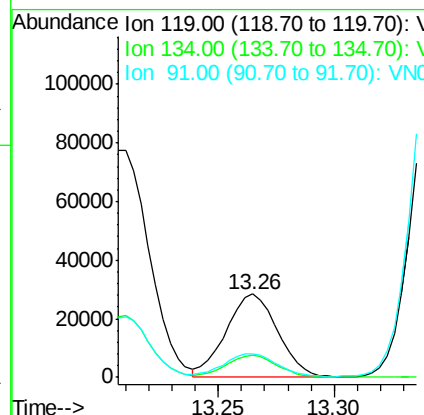
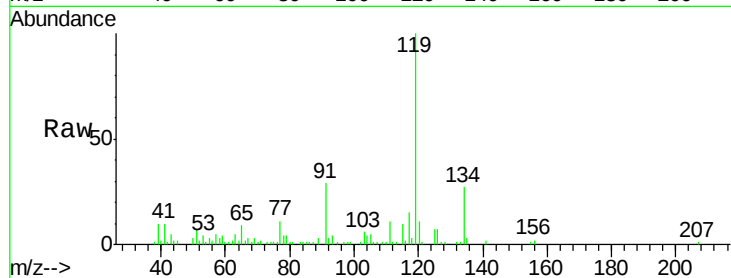
#86
 p-Isopropyltoluene
 Concen: 4.550 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN062440.D
 Acq: 9 Jul 2020 5:35

Instrument :
 MSVOA_N
 ClientSampled :
 MW-6

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.3	12.4	37.0
91	0.0	12.4	37.4#

Manual Integrations
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 7/9/2020 10:58:48 AM



#95
 Naphthalene
 Concen: 165.353 ug/l
 RT: 15.10 min Scan# 4146
 Delta R.T. 0.00 min
 Lab File: VN062440.D
 Acq: 9 Jul 2020 5:35

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	11.0	8.6	12.8

