

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
 Data File : VN062441.D
 Acq On : 9 Jul 2020 5:59
 Operator : JC/MD
 Sample : L3215-14
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12

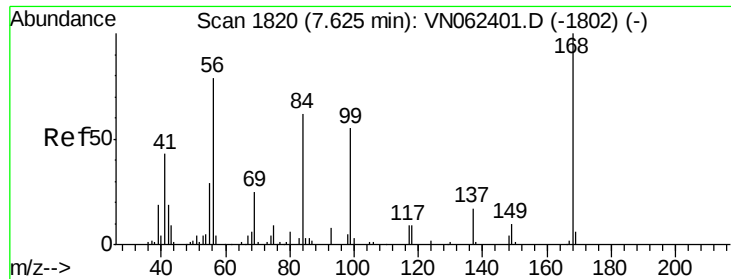
Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 10:58:50 AM

Quant Time: Jul 09 06:23:15 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	197800	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	358324	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	349019	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	152722	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	151349	49.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.50%	
35) Dibromofluoromethane	7.55	113	113215	51.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.22%	
50) Toluene-d8	10.06	98	477155	54.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.14%	
62) 4-Bromofluorobenzene	12.37	95	181090	56.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.34%	
Target Compounds						
					Qvalue	
16) Acetone	3.78	43	6506	5.037	ug/l	95
17) Carbon Disulfide	4.01	76	10105	1.588	ug/l #	87
39) Methylcyclohexane	9.05	83	130187	33.779	ug/l	99
40) Benzene	8.00	78	118387	11.127	ug/l	99
44) Trichloroethene	8.80	130	967	0.410	ug/l	86
52) Toluene	10.12	92	44975	7.318	ug/l	98
67) Ethyl Benzene	11.48	91	6091455	478.408	ug/l #	73
68) m/p-Xylenes	11.60	106	522004	115.808	ug/l	99
69) o-Xylene	11.92	106	501394	114.247	ug/l	100
73) Isopropylbenzene	12.22	105	1740857	147.306	ug/l	99
78) n-propylbenzene	12.57	91	1842032	133.436	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	1068567	110.297	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	5511660	572.356	ug/l	86
85) sec-Butylbenzene	13.15	105	61279m	5.625	ug/l	
86) p-Isopropyltoluene	13.26	119	202786m	21.566	ug/l	
89) n-Butylbenzene	13.59	91	89354m	10.762	ug/l	
95) Naphthalene	15.11	128	11668567	679.941	ug/l #	51

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062441.D

Acq: 9 Jul 2020 5:59

Instrument :

MSVOA_N

ClientSampleId :

MW-12

Tot Ion:168 Resp: 197800

Ion Ratio Lower Upper

168 100

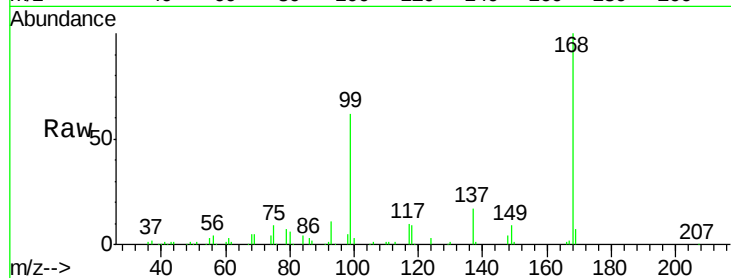
99 61.6 48.8 73.2

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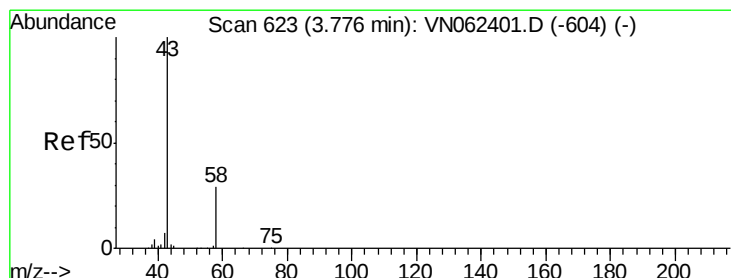
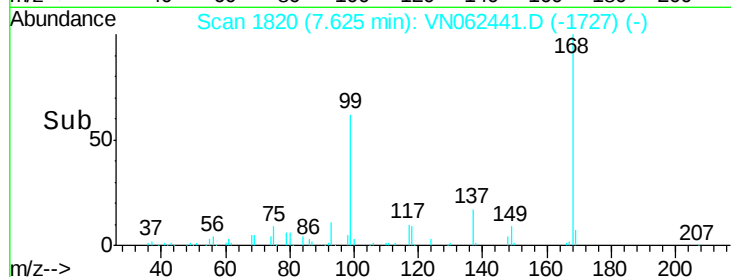
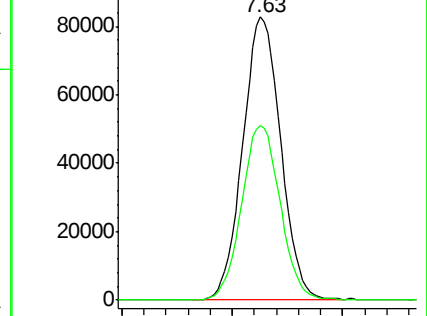
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#16

Acetone

Concen: 5.037 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN062441.D

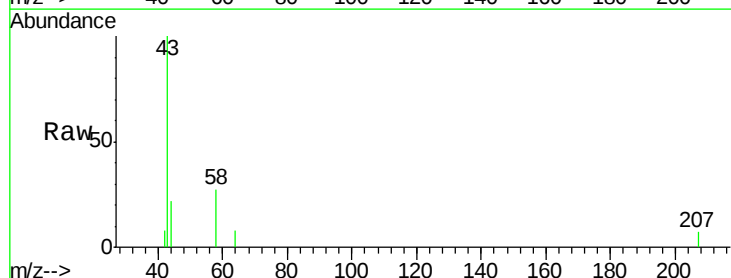
Acq: 9 Jul 2020 5:59

Tgt Ion: 43 Resp: 6506

Ion Ratio Lower Upper

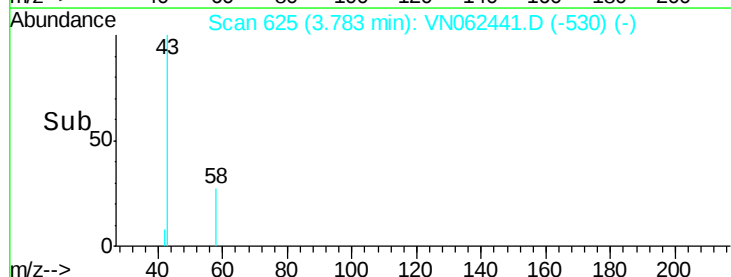
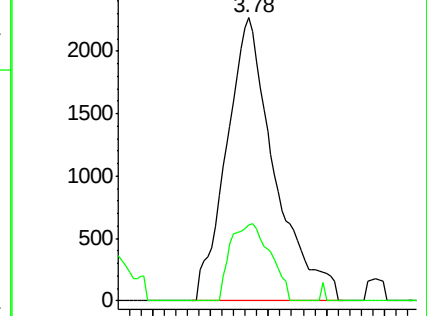
43 100

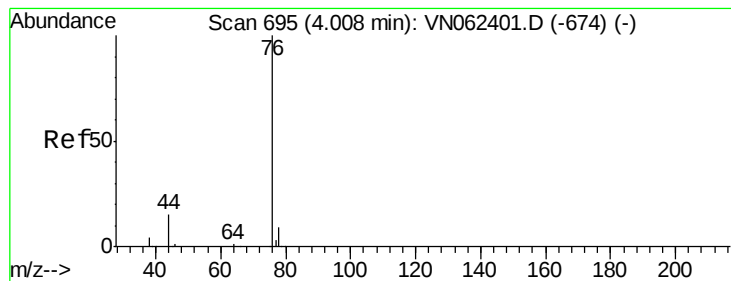
58 26.9 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 1.588 ug/l

RT: 4.01 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN062441.D

Acq: 9 Jul 2020 5:59

Instrument :

MSVOA_N

ClientSampleId :

MW-12

Tot Ion: 76 Resp: 10105

Ion Ratio Lower Upper

76 100

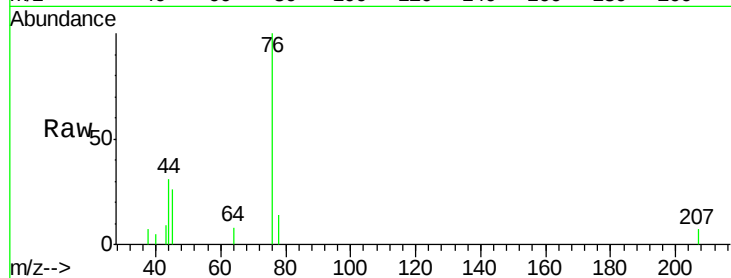
78 13.7 7.3 10.9#

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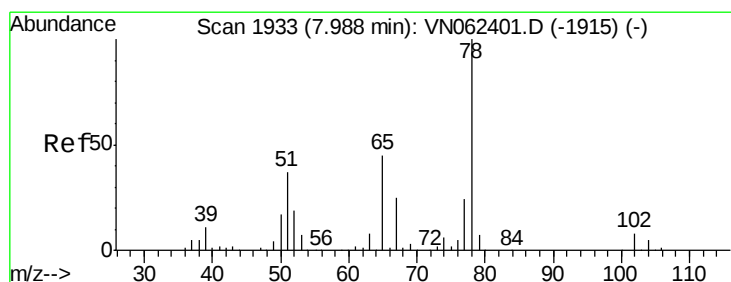
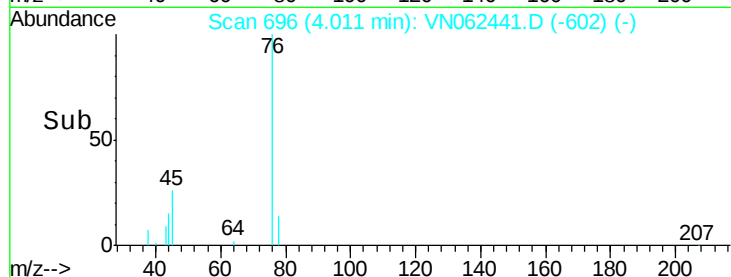
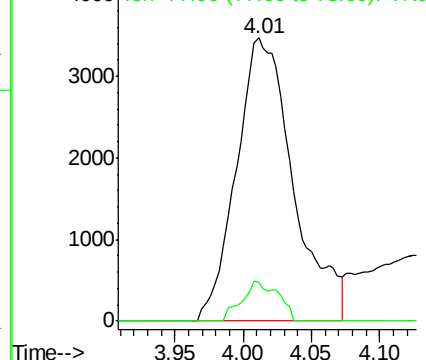
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Abundance Ion 75.90 (75.60 to 76.60): VN062401.D (-674) (-)

Ion 77.90 (77.60 to 78.60): VN062401.D (-674) (-)



#33

1,2-Dichloroethane-d4

Concen: 49.746 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062441.D

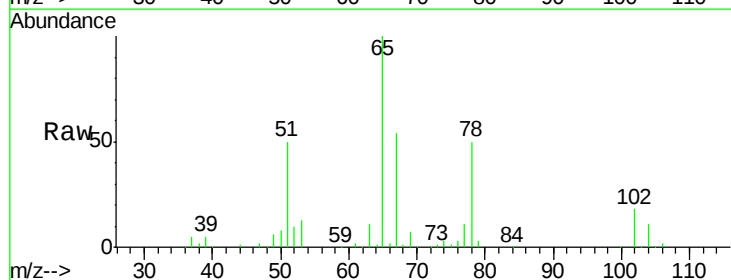
Acq: 9 Jul 2020 5:59

Tgt Ion: 65 Resp: 151349

Ion Ratio Lower Upper

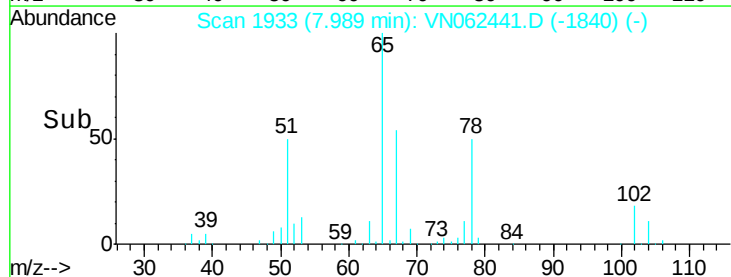
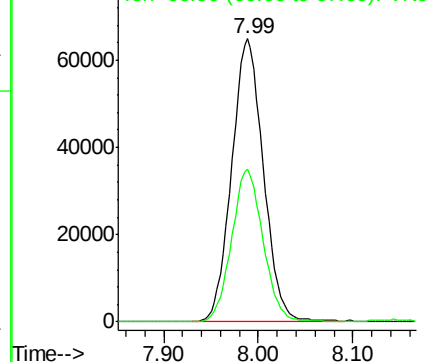
65 100

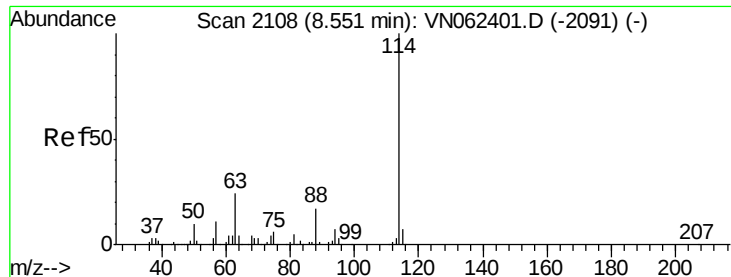
67 53.4 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VN062401.D (-1915) (-)

Ion 66.90 (66.60 to 67.60): VN062401.D (-1915) (-)





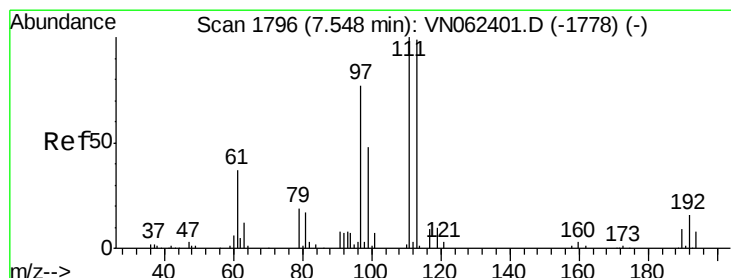
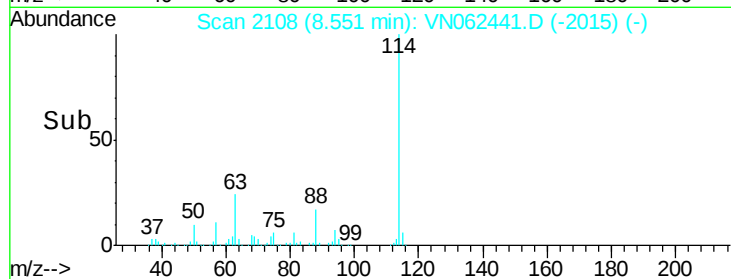
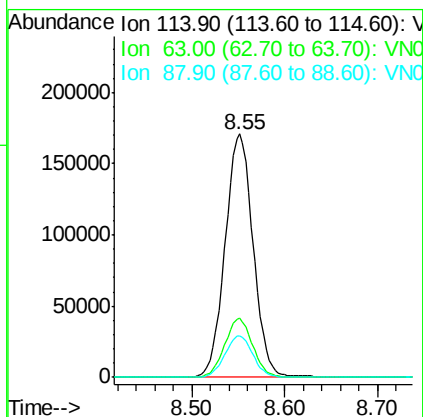
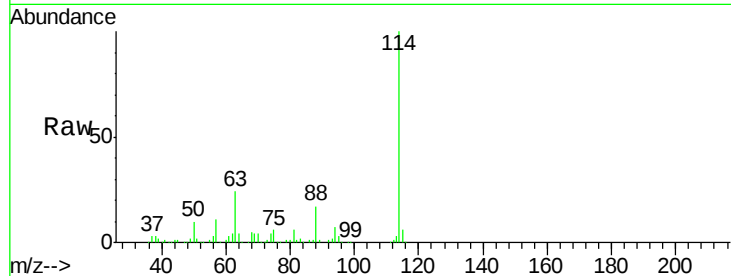
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062441.D
 Acq: 9 Jul 2020 5:59

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	24.1	0.0	48.4
88	17.2	0.0	33.8

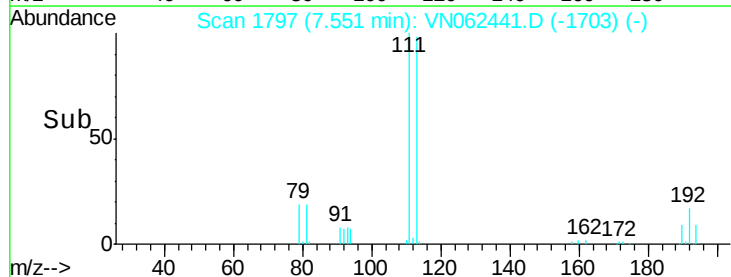
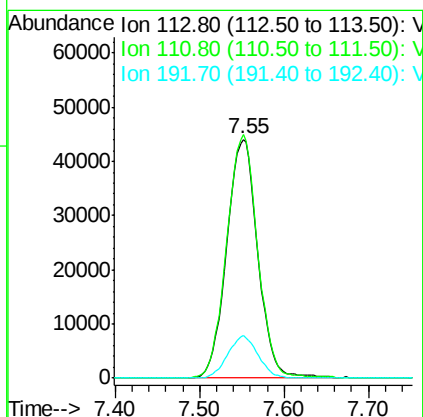
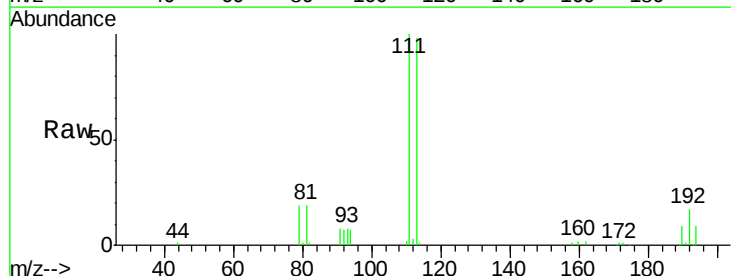
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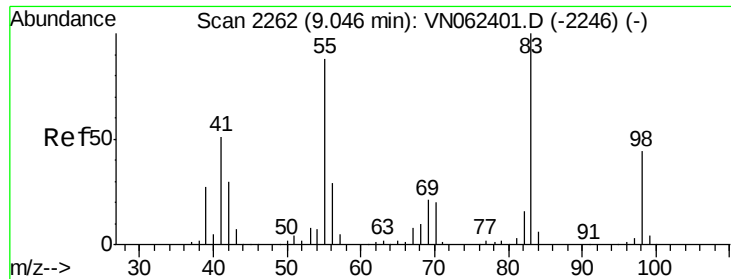
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#35
 Dibromofluoromethane
 Concen: 51.115 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062441.D
 Acq: 9 Jul 2020 5:59

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	101.5	83.1	124.7
192	17.2	14.1	21.1





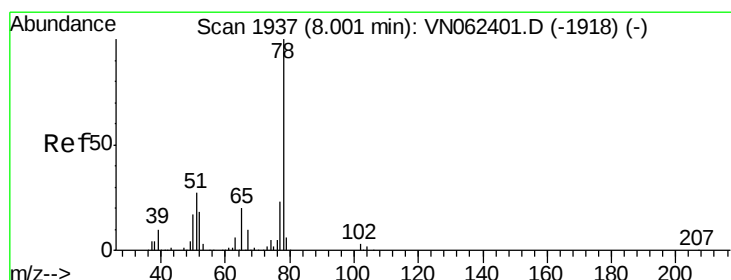
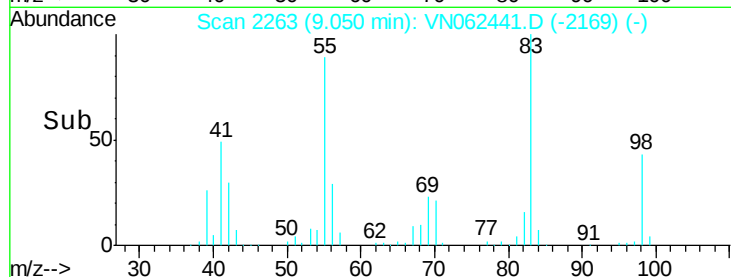
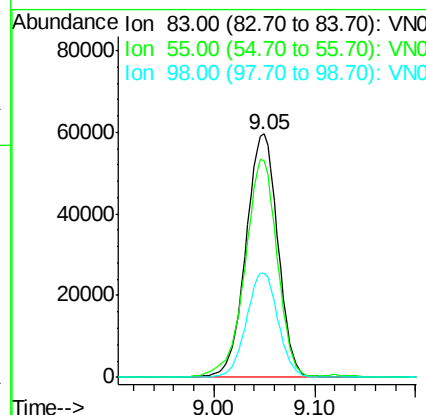
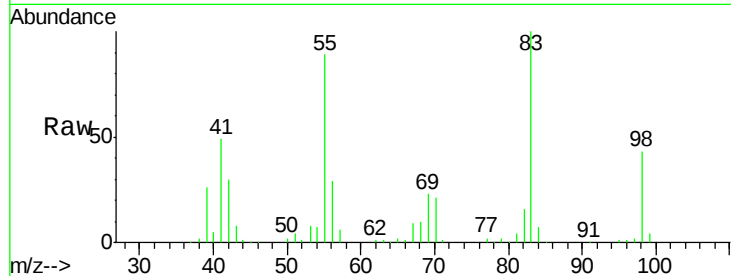
#39
Methvlcvclohexane
Concen: 33.779 ug/l
RT: 9.05 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VN062441.D
Acq: 9 Jul 2020 5:59

Instrument :
MSVOA_N
ClientSampled :
MW-12

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.3	70.5	105.7
98	42.8	35.5	53.3

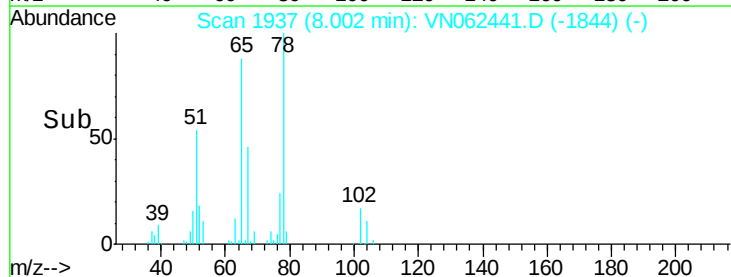
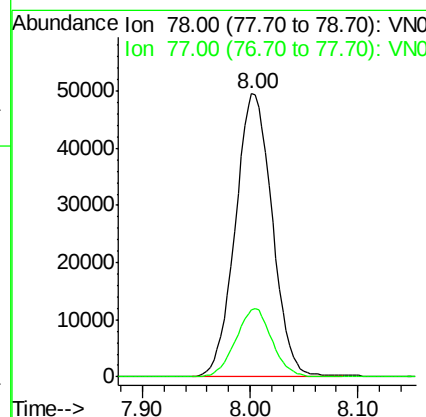
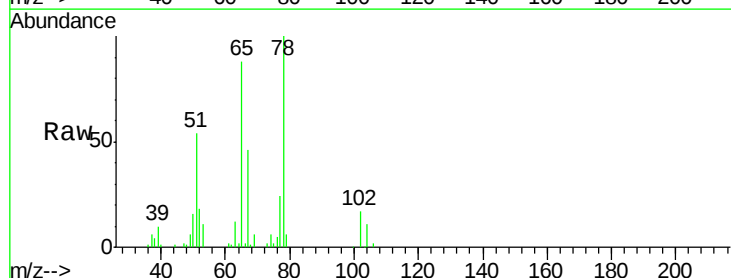
Manual Integrations
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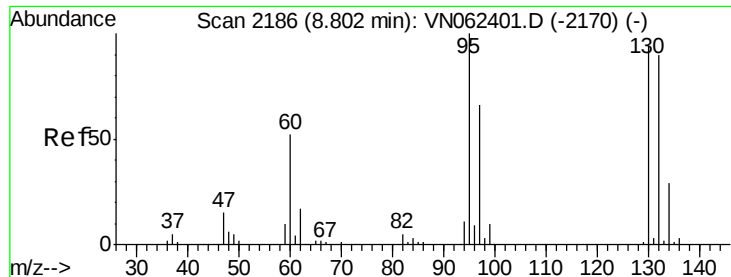
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#40
Benzene
Concen: 11.127 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN062441.D
Acq: 9 Jul 2020 5:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.7	28.1





#44

Trichloroethene

Concen: 0.410 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN062441.D

Acq: 9 Jul 2020 5:59

Instrument :

MSVOA_N

ClientSampled :

MW-12

Tot Ion:130 Resp: 967

Ion Ratio Lower Upper

130 100

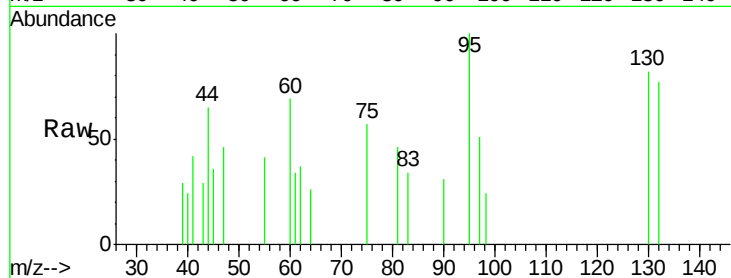
95 121.3 0.0 213.8

Manual Integrations

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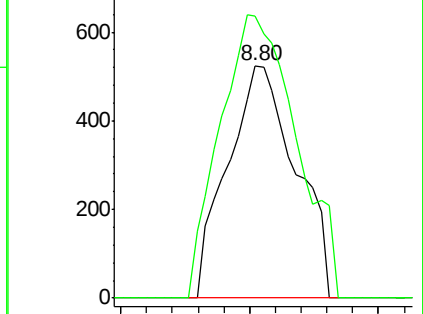
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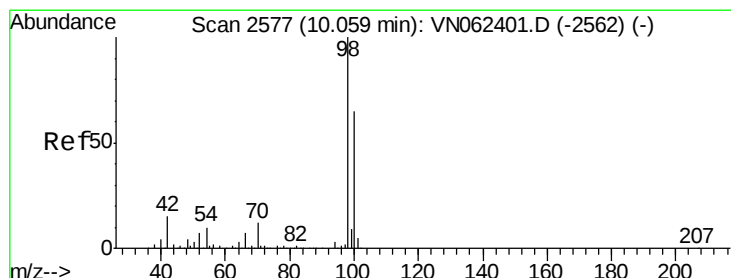
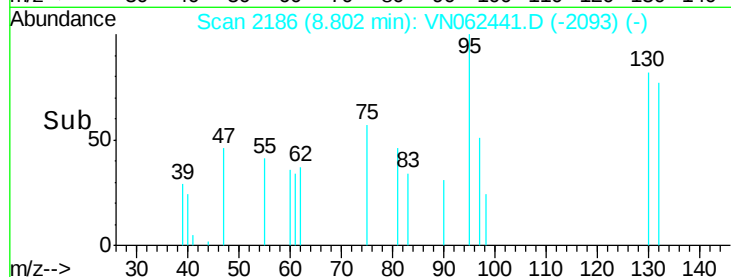


Abundance Ion 129.80 (129.50 to 130.50): VN062401.D (-2170) (-)

Ion 94.90 (94.60 to 95.60): VN062401.D (-2170) (-)



Time-->



#50

Toluene-d8

Concen: 54.570 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062441.D

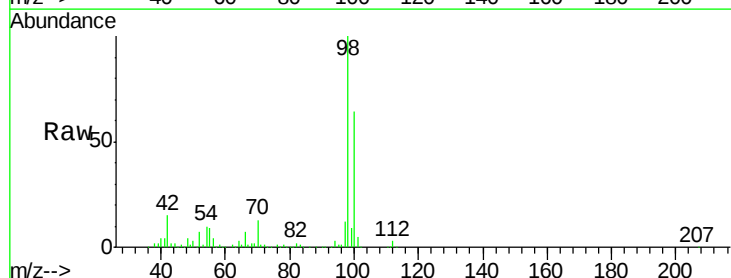
Acq: 9 Jul 2020 5:59

Tgt Ion: 98 Resp: 477155

Ion Ratio Lower Upper

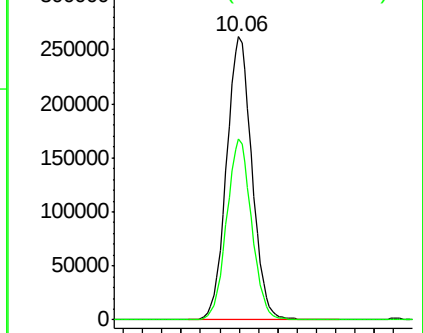
98 100

100 62.8 51.5 77.3

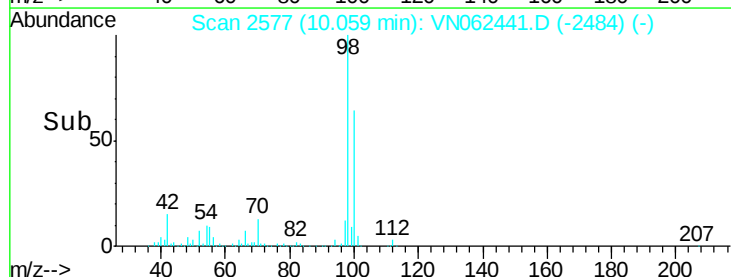


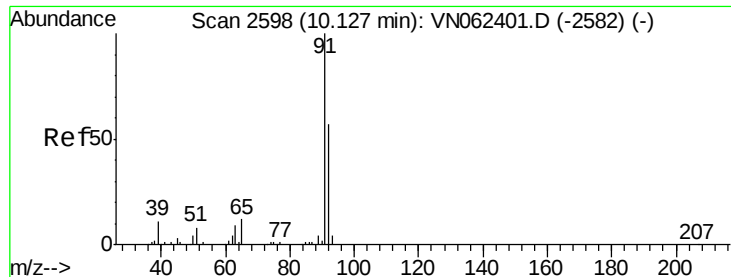
Abundance Ion 98.00 (97.70 to 98.70): VN062401.D (-2562) (-)

Ion 100.00 (99.70 to 100.70): VN062401.D (-2562) (-)



Time-->





#52

Toluene

Concen: 7.318 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062441.D

Acq: 9 Jul 2020 5:59

Instrument :

MSVOA_N

ClientSampleId :

MW-12

Tot Ion: 92 Resp: 44975

Ion Ratio Lower Upper

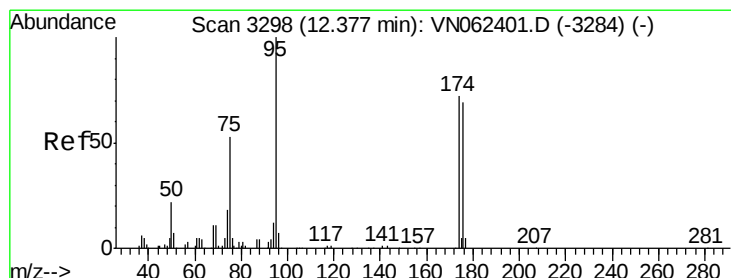
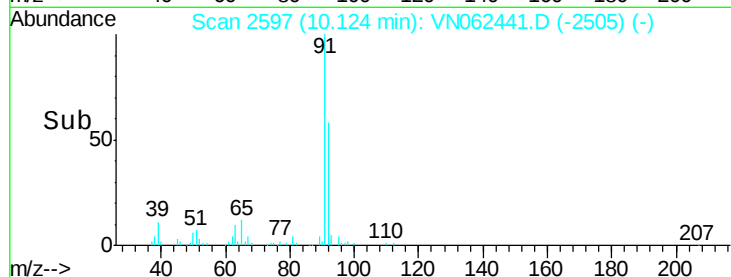
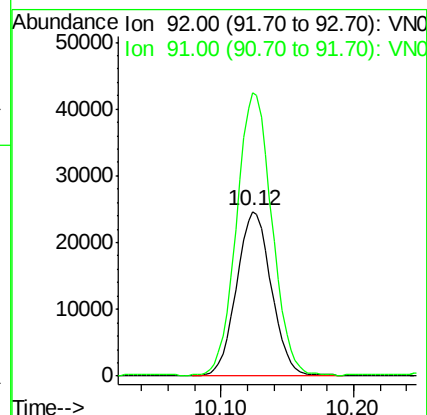
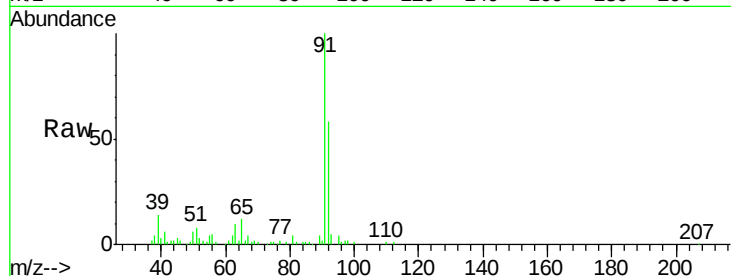
92 100

91 173.5 141.0 211.6

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#62

4-Bromofluorobenzene

Concen: 56.674 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VN062441.D

Acq: 9 Jul 2020 5:59

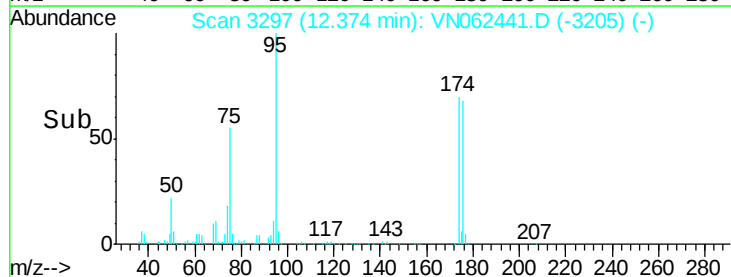
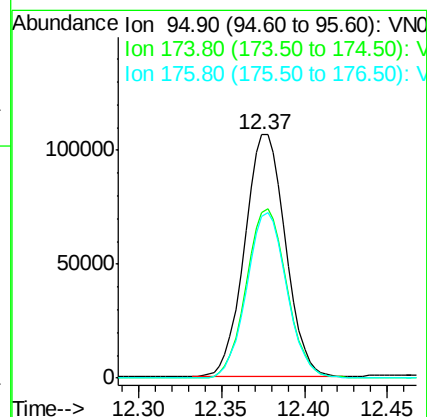
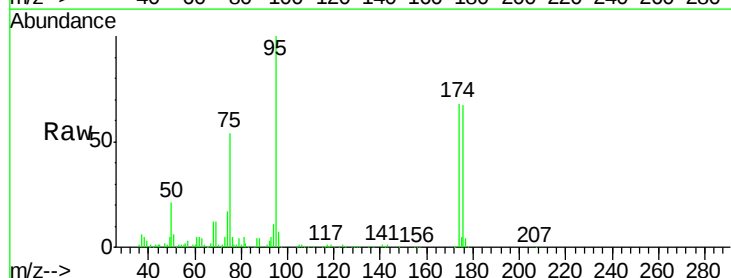
Tgt Ion: 95 Resp: 181090

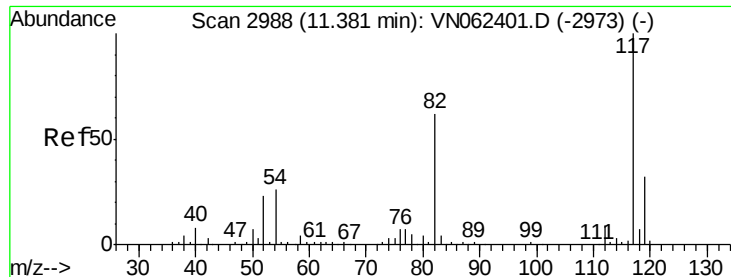
Ion Ratio Lower Upper

95 100

174 70.2 0.0 141.6

176 68.0 0.0 137.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN062441.D

Acq: 9 Jul 2020 5:59

Instrument :

MSVOA_N

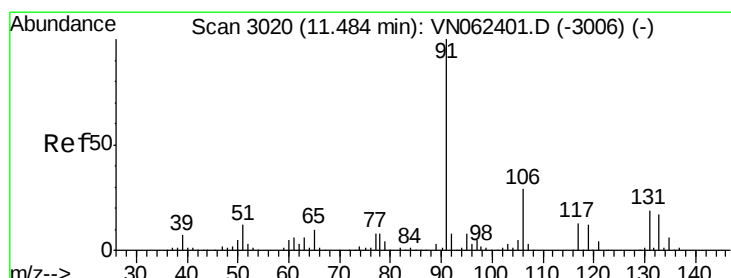
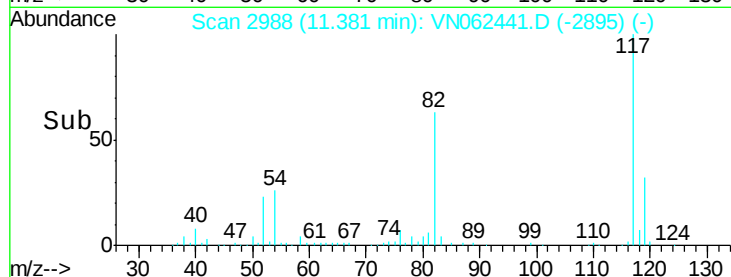
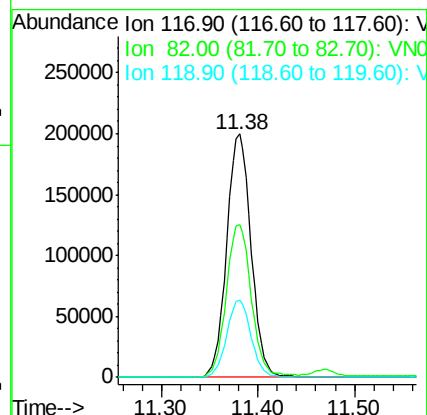
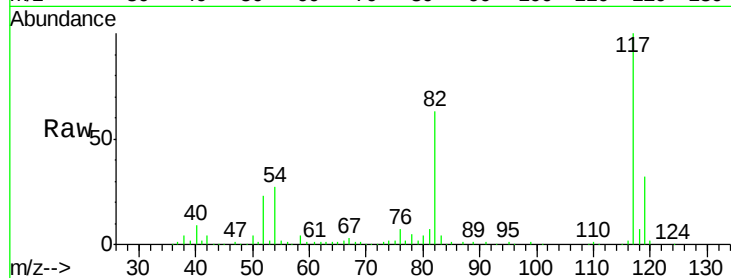
ClientSampled :

MW-12

Tot Ion:	117	Resp:	349019
Ion Ratio	Lower	Upper	
117	100		
82	62.9	49.6	74.4
119	31.9	25.4	38.0

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#67

Ethyl Benzene

Concen: 478.408 ug/l

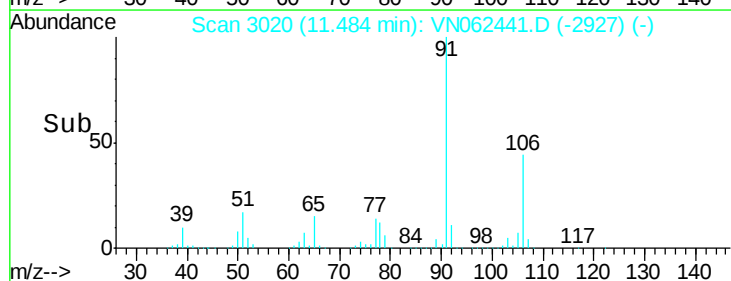
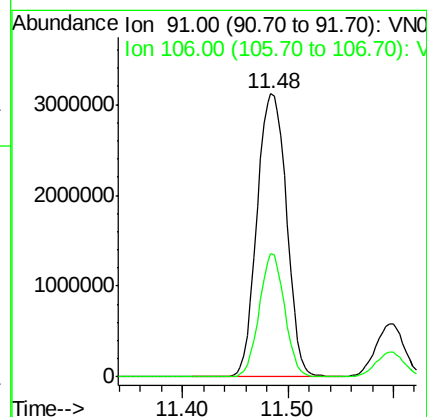
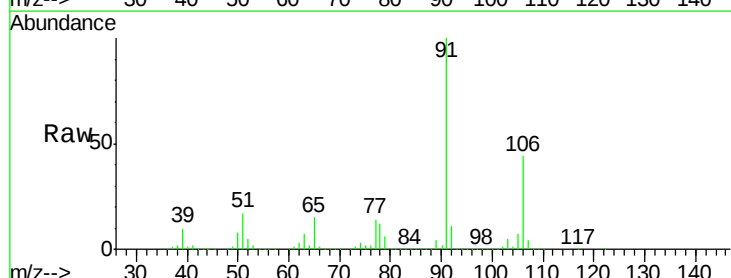
RT: 11.48 min Scan# 3020

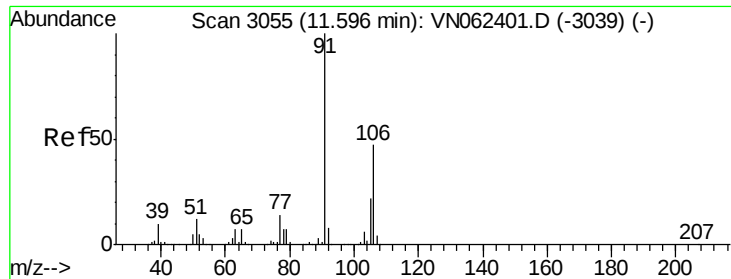
Delta R.T. 0.00 min

Lab File: VN062441.D

Acq: 9 Jul 2020 5:59

Tgt Ion:	91	Resp:	6091455
Ion Ratio	Lower	Upper	
91	100		
106	43.7	23.4	35.2#





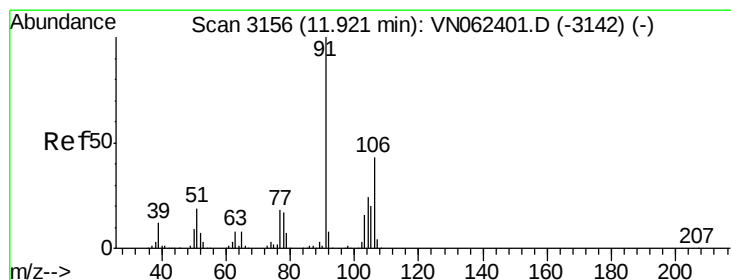
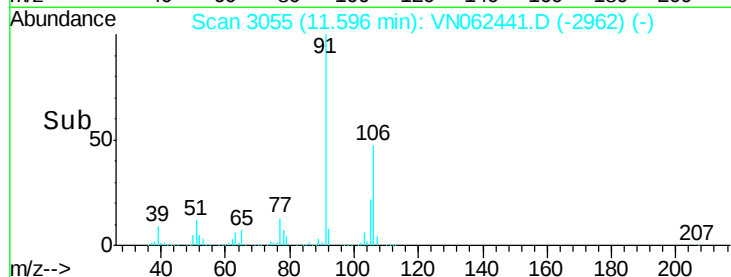
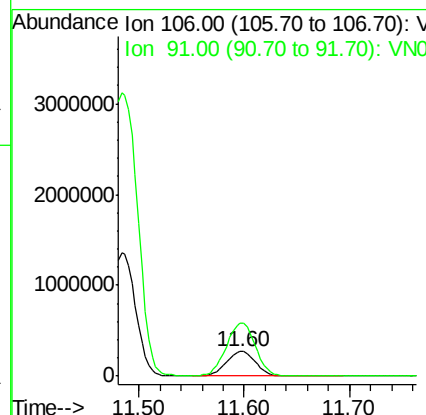
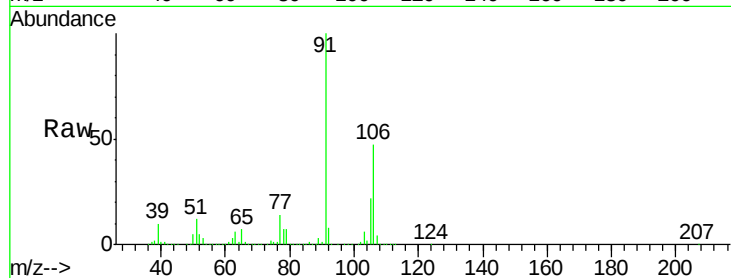
#68
m/p-Xylenes
Concen: 115.808 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN062441.D
Acq: 9 Jul 2020 5:59

Instrument :
MSVOA_N
ClientSampled :
MW-12

Tot Ion:106 Resp: 522004
Ion Ratio Lower Upper
106 100
91 214.5 172.4 258.6

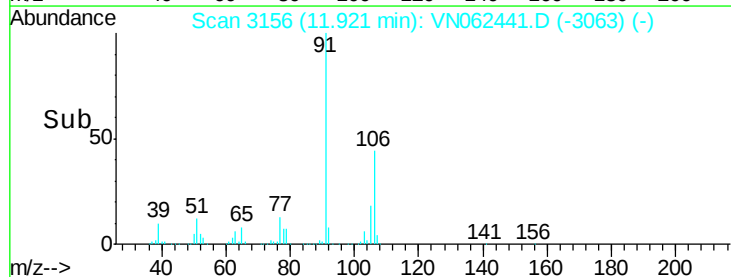
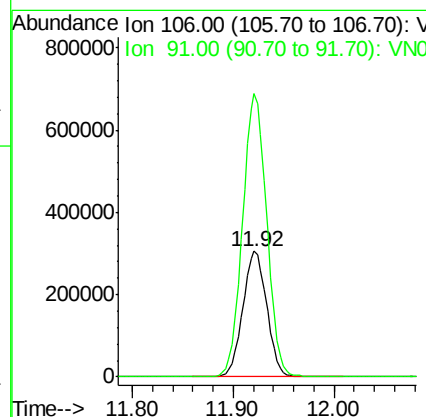
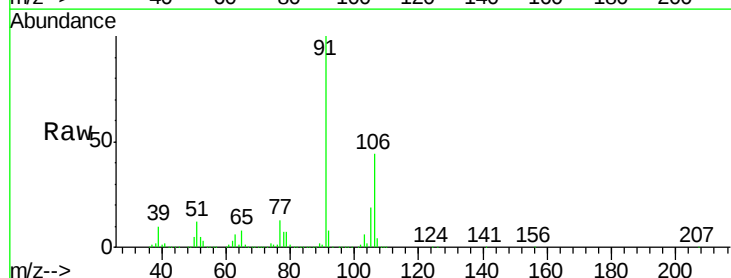
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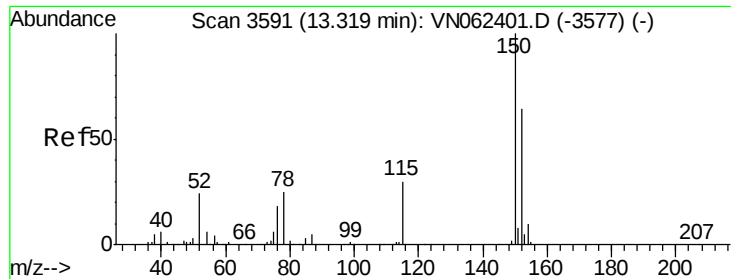
MMDadoda
7/9/2020 10:58:50 AM



#69
o-Xylene
Concen: 114.247 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062441.D
Acq: 9 Jul 2020 5:59

Tgt Ion:106 Resp: 501394
Ion Ratio Lower Upper
106 100
91 227.3 113.8 341.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062441.D

Acq: 9 Jul 2020 5:59

Instrument :

MSVOA_N

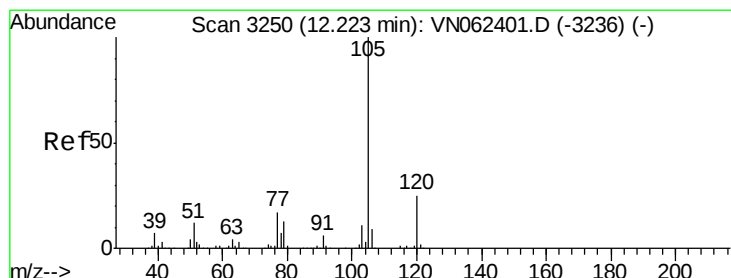
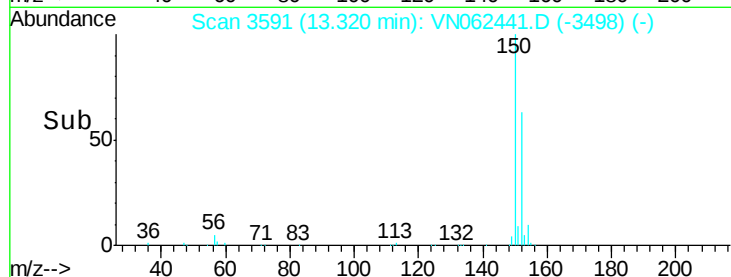
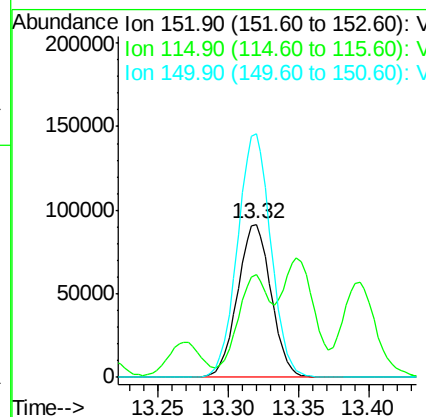
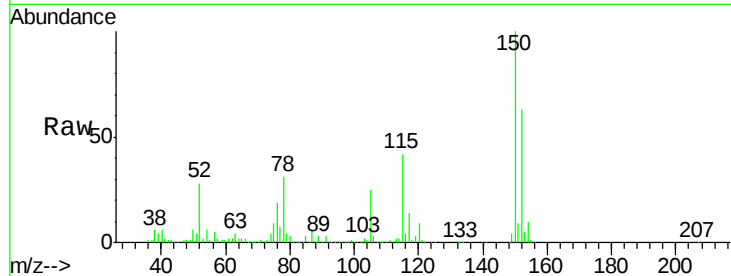
ClientSampled :

MW-12

Tot Ion:	152	Resp:	152722
Ion Ratio	Lower	Upper	
152	100		
115	56.0	31.4	94.2
150	158.6	0.0	347.4

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#73

Isopropylbenzene

Concen: 147.306 ug/l

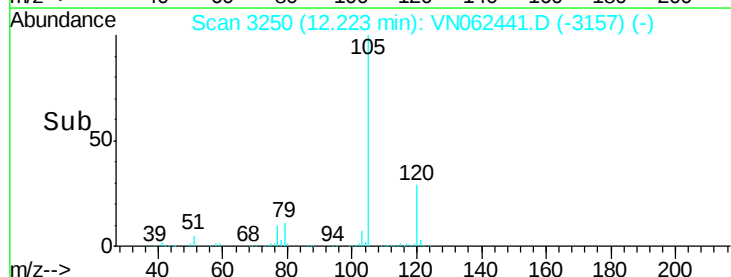
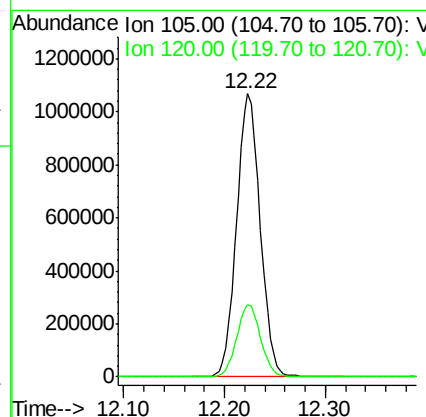
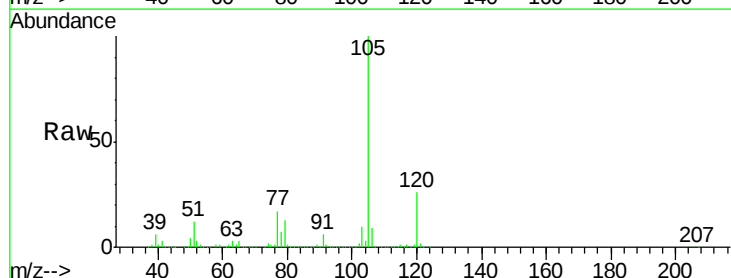
RT: 12.22 min Scan# 3250

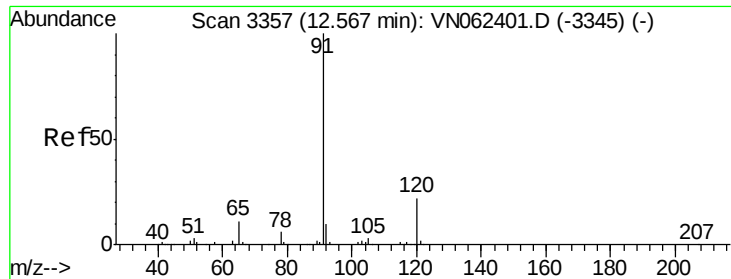
Delta R.T. 0.00 min

Lab File: VN062441.D

Acq: 9 Jul 2020 5:59

Tgt Ion:	105	Resp:	1740857
Ion Ratio	Lower	Upper	
105	100		
120	25.8	12.7	38.1





#78

n-propylbenzene

Concen: 133.436 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN062441.D

Acq: 9 Jul 2020 5:59

Instrument :

MSVOA_N

ClientSampled :

MW-12

Tot Ion: 91 Resp: 1842032

Ion Ratio Lower Upper

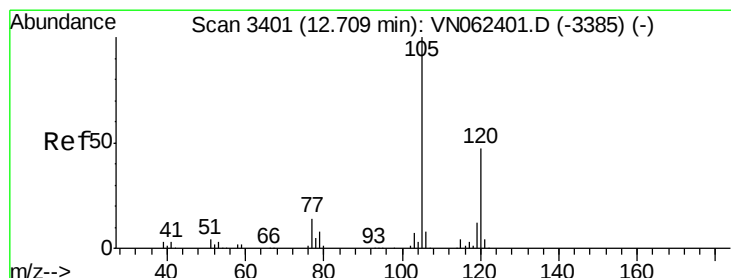
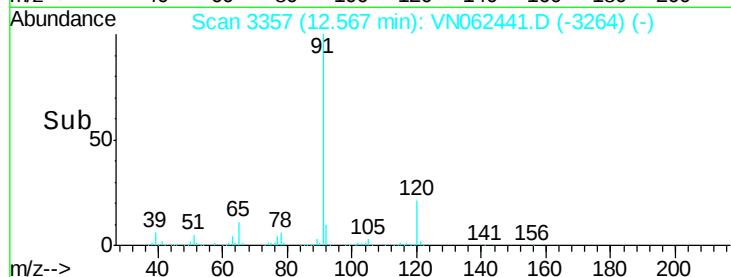
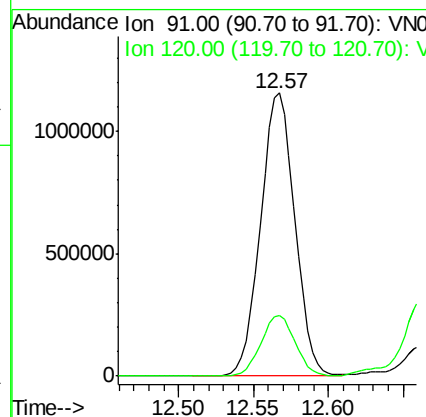
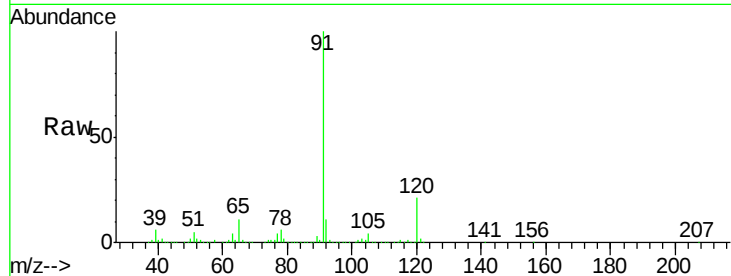
91 100

120 21.3 10.7 32.1

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#80

1,3,5-Trimethylbenzene

Concen: 110.297 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062441.D

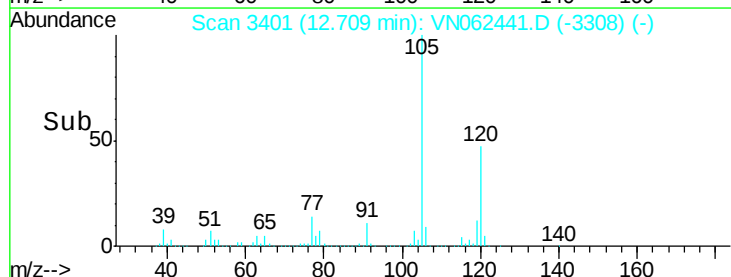
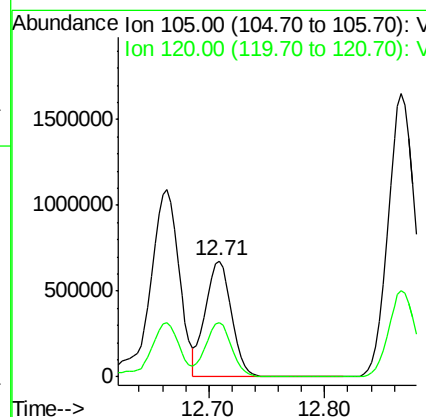
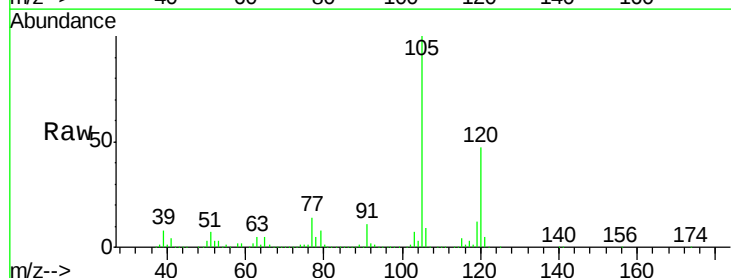
Acq: 9 Jul 2020 5:59

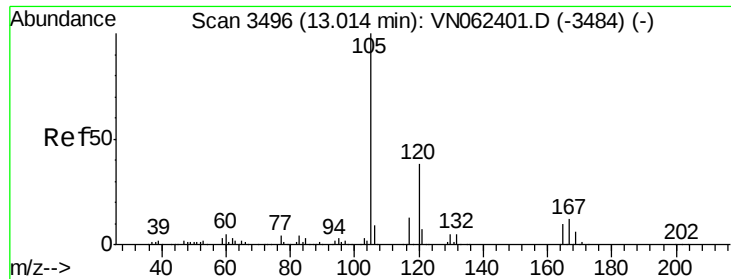
Tgt Ion: 105 Resp: 1068567

Ion Ratio Lower Upper

105 100

120 46.9 23.4 70.2





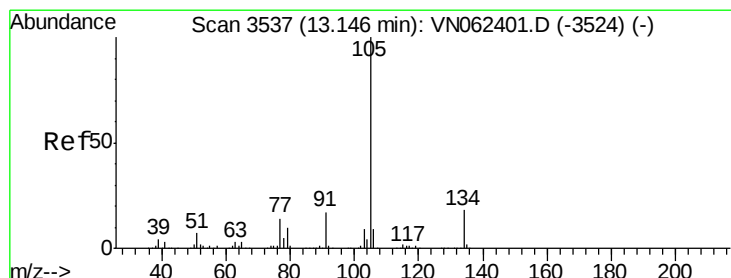
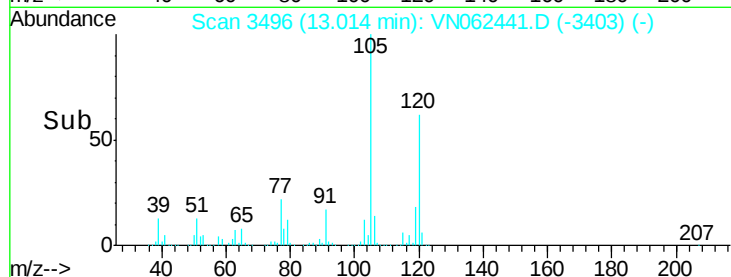
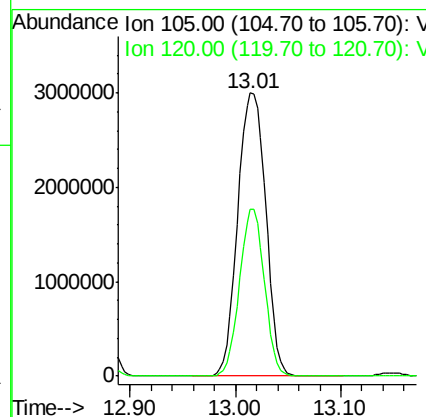
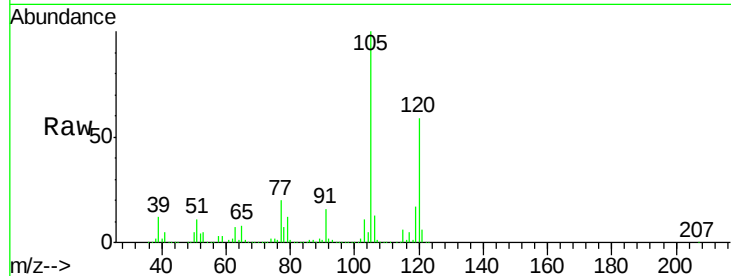
#84
 1,2,4-Trimethylbenzene
 Concen: 572.356 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN062441.D
 Acq: 9 Jul 2020 5:59

Instrument :
 MSVOA_N
 ClientSampled :
 MW-12

Tot Ion:105 Resp: 5511660
 Ion Ratio Lower Upper
 105 100
 120 52.5 21.6 64.8

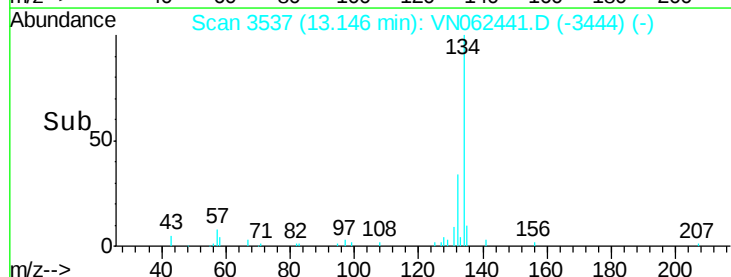
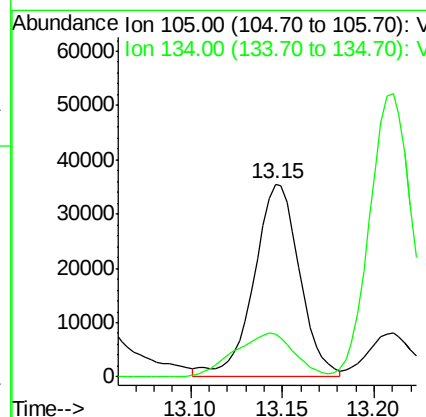
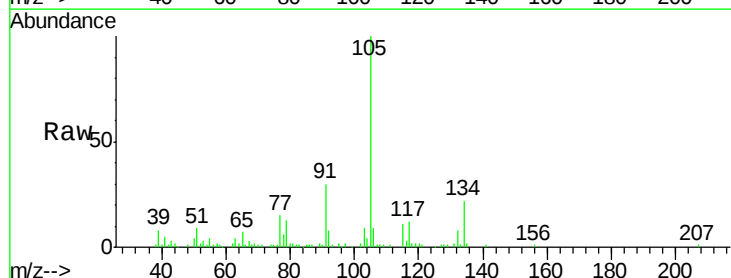
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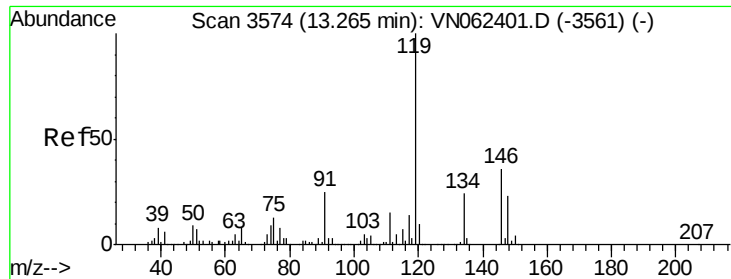
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#85
 sec-Butylbenzene
 Concen: 5.625 ug/l m
 RT: 13.15 min Scan# 3537
 Delta R.T. 0.00 min
 Lab File: VN062441.D
 Acq: 9 Jul 2020 5:59

Tgt Ion:105 Resp: 61279
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.3 28.0#





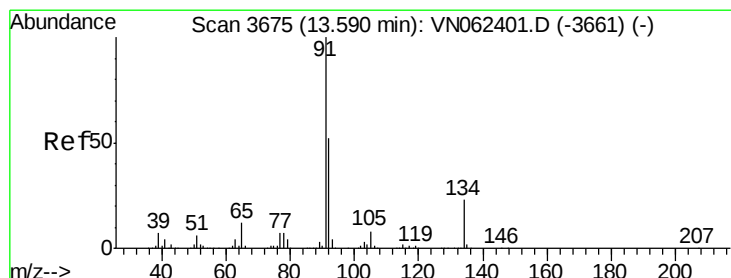
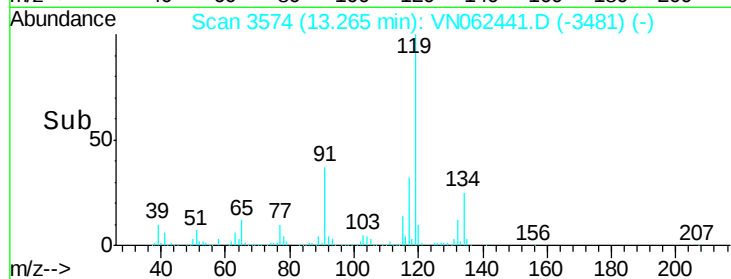
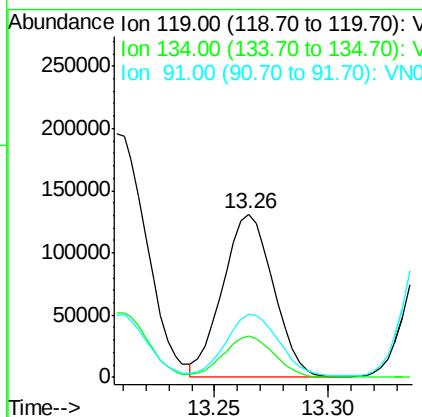
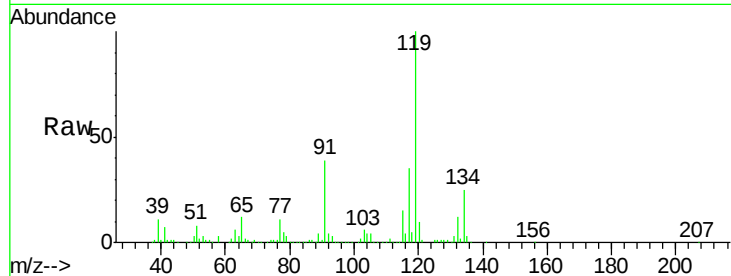
#86
 p-Isopropyltoluene
 Concen: 21.566 ug/l m
 RT: 13.26 min Scan# 3574
 Delta R.T. 0.00 min
 Lab File: VN062441.D
 Acq: 9 Jul 2020 5:59

Instrument :
 MSVOA_N
 ClientSampled :
 MW-12

Tot Ion	Ratio	Resp	Lower	Upper
119	100	202786		
134	41.2		12.4	37.0#
91	38.1		12.4	37.4#

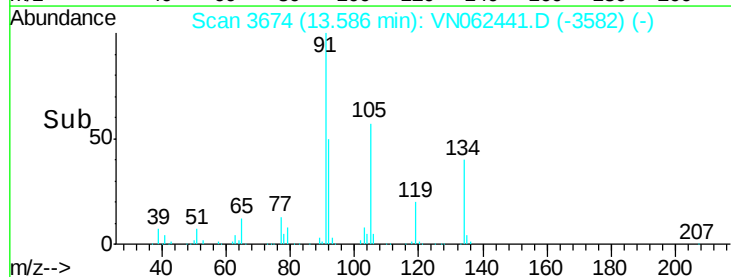
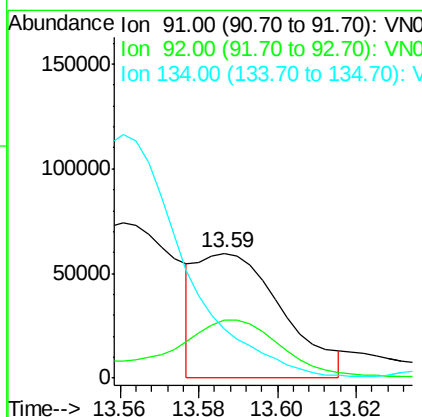
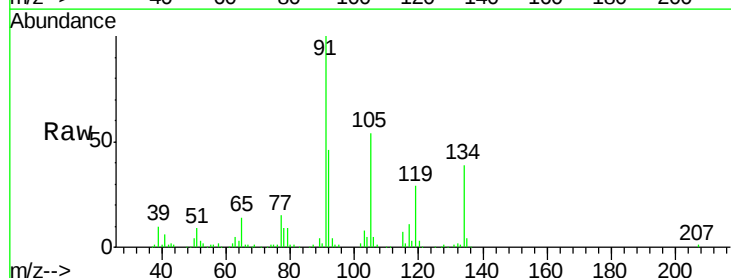
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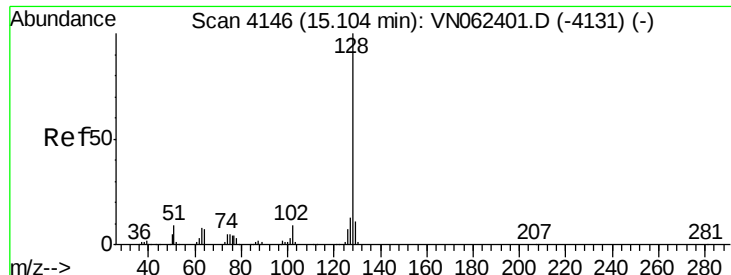
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#89
 n-Butylbenzene
 Concen: 10.762 ug/l m
 RT: 13.59 min Scan# 3674
 Delta R.T. -0.00 min
 Lab File: VN062441.D
 Acq: 9 Jul 2020 5:59

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	89354		
92	0.0		25.9	77.7#
134	0.0		11.6	34.8#





#95
Naphthalene
Concen: 679.941 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN062441.D
Acq: 9 Jul 2020 5:59

Instrument :
MSVOA_N
ClientSampleId :
MW-12

Tot Ion:128 Resp:11668567
Ion Ratio Lower Upper
128 100
127 32.2 10.2 15.2#
129 28.9 8.6 12.8#

Manual Integrations
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7/9/2020 10:58:50 AM

