

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
 Data File : VN062442.D
 Acq On : 9 Jul 2020 6:23
 Operator : JC/MD
 Sample : L3215-11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-14

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 10:58:52 AM

Quant Time: Jul 09 07:19:02 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	211282	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	375111	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	368138	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	171946	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	159207	48.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.98%	
35) Dibromofluoromethane	7.55	113	117867	50.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.66%	
50) Toluene-d8	10.06	98	482906	52.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.52%	
62) 4-Bromofluorobenzene	12.38	95	195962	58.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	117.16%	
Target Compounds						
					Qvalue	
16) Acetone	3.79	43	3982	2.886	ug/l	94
17) Carbon Disulfide	4.01	76	6302	0.927	ug/l	98
39) Methylcyclohexane	9.05	83	104332	25.859	ug/l	97
40) Benzene	8.00	78	3226	0.290	ug/l	92
52) Toluene	10.13	92	4461	0.693	ug/l	100
67) Ethyl Benzene	11.48	91	270345	20.130	ug/l	100
68) m/p-Xylenes	11.60	106	16615	3.495	ug/l	92
69) o-Xylene	11.92	106	33203	7.173	ug/l	97
70) Styrene	11.94	104	24064	3.145	ug/l #	82
73) Isopropylbenzene	12.22	105	1214604	91.285	ug/l	100
78) n-propylbenzene	12.57	91	1433051	92.203	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	355257	32.570	ug/l	95
84) 1,2,4-Trimethylbenzene	13.01	105	5850286	539.598	ug/l	83
85) sec-Butylbenzene	13.15	105	70525m	5.750	ug/l	
86) p-Isopropyltoluene	13.26	119	227579m	21.497	ug/l	
89) n-Butylbenzene	13.59	91	87607m	9.372	ug/l	
95) Naphthalene	15.11	128	11963512	643.775	ug/l #	47

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

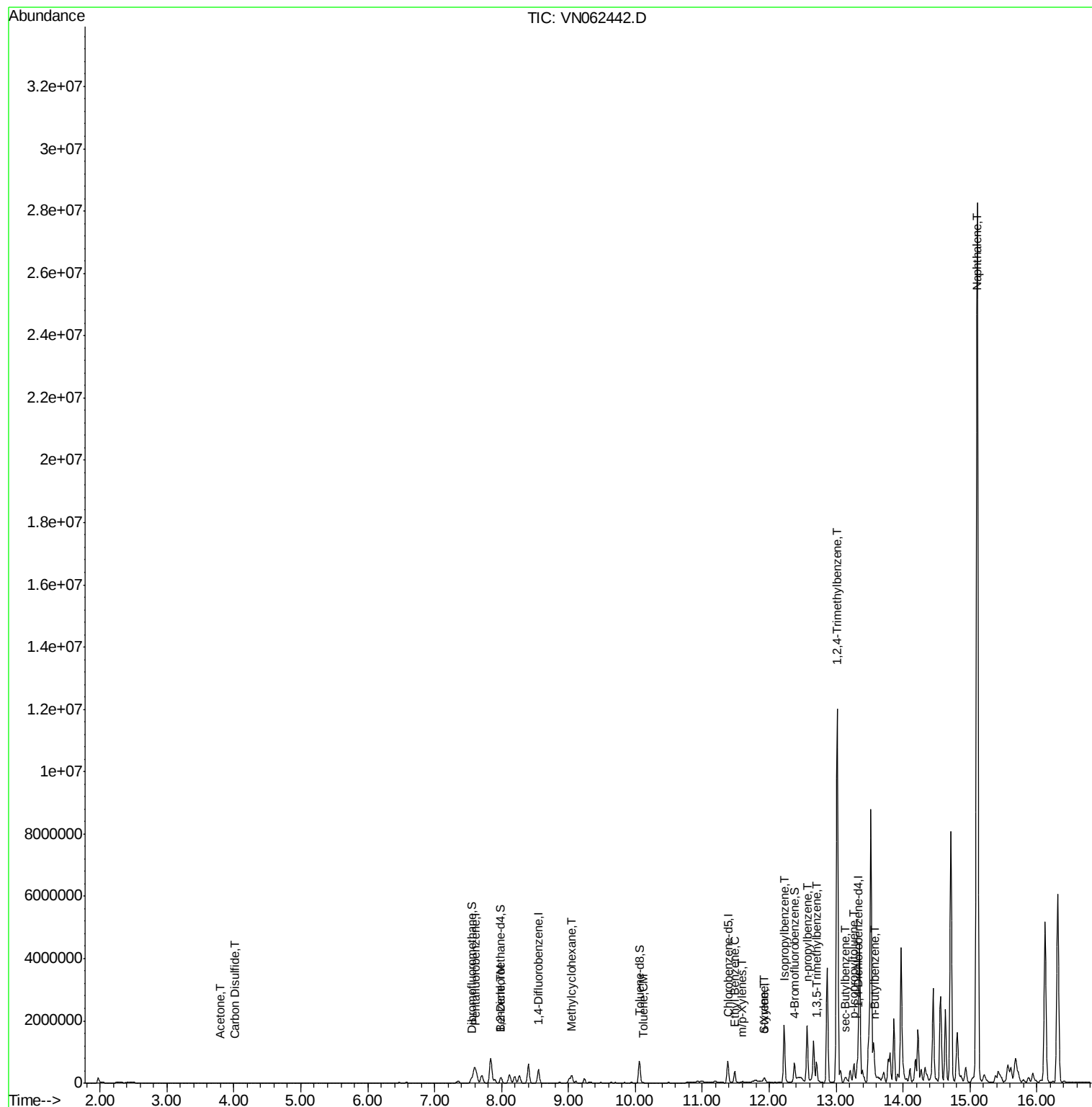
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
Data File : VN062442.D
Acq On : 9 Jul 2020 6:23
Operator : JC/MD
Sample : L3215-11
Misc : 5.00mL/MSVOA N/WATER
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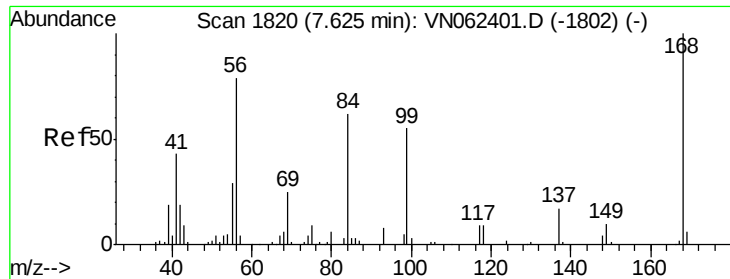
Instrument :
MSVOA_N
ClientSampleId :
MW-14

Quant Time: Jul 09 07:19:02 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

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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: VN062442.D

Acq: 9 Jul 2020 6:23

Instrument :

MSVOA_N

ClientSampled :

MW-14

Tot Ion:168 Resp: 211282

Ion Ratio Lower Upper

168 100

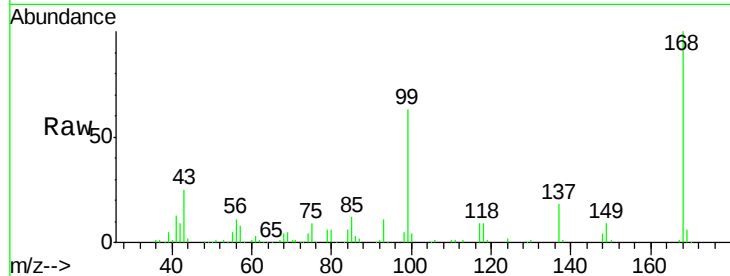
99 63.1 48.8 73.2

Manual Integrations

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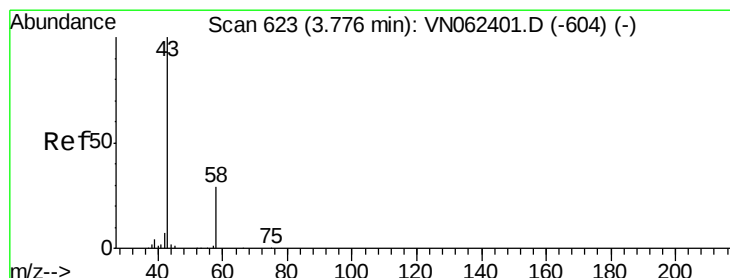
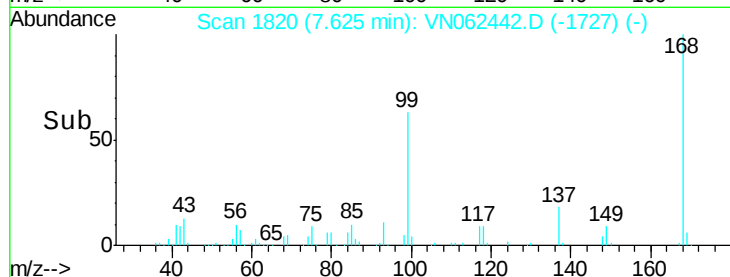
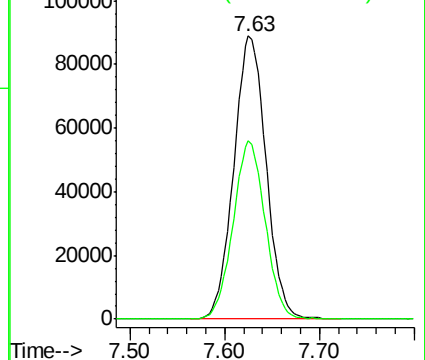
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 2.886 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN062442.D

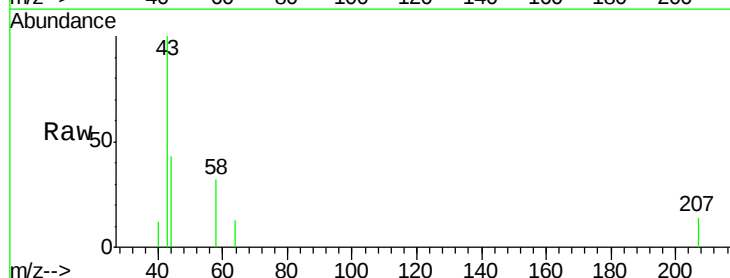
Acq: 9 Jul 2020 6:23

Tgt Ion: 43 Resp: 3982

Ion Ratio Lower Upper

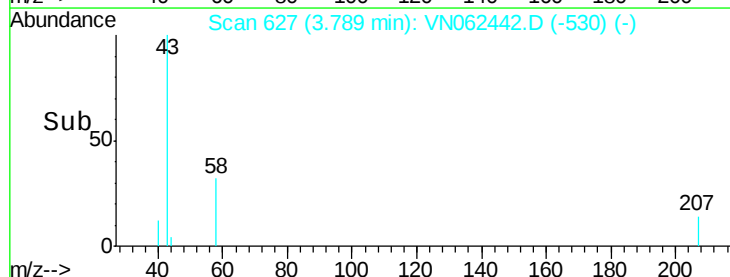
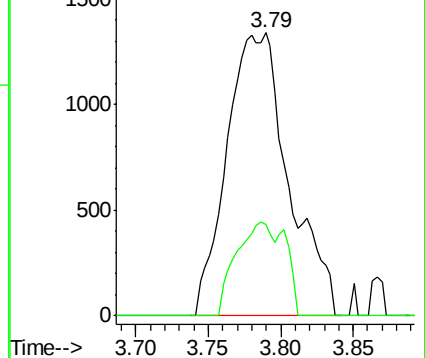
43 100

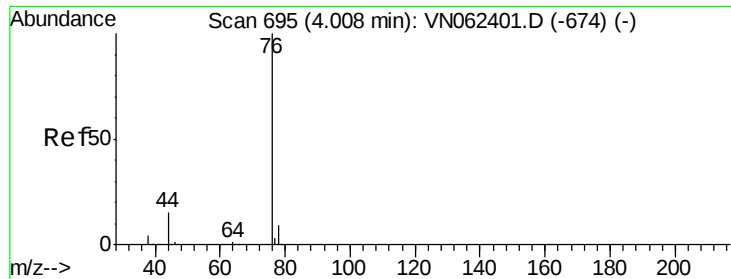
58 32.4 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN





#17

Carbon Disulfide

Concen: 0.927 ug/l

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN062442.D

Acq: 9 Jul 2020 6:23

Instrument :

MSVOA_N

ClientSampled :

MW-14

Tot Ion: 76 Resp: 6302

Ion Ratio Lower Upper

76 100

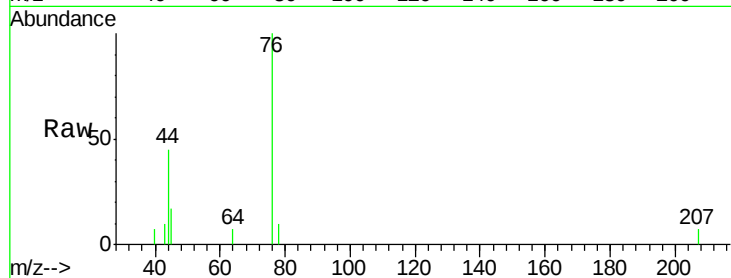
78 9.9 7.3 10.9

Manual Integrations

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

Ion 77.90 (77.60 to 78.60): VN062401.D

4.01

2500

2000

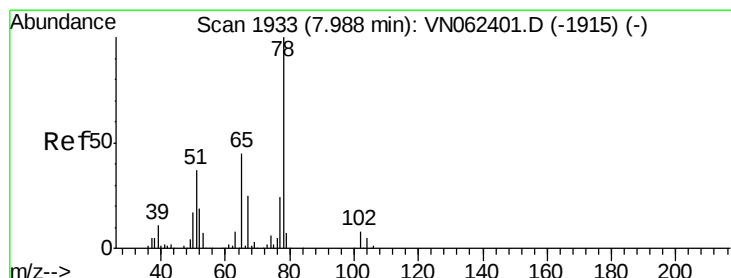
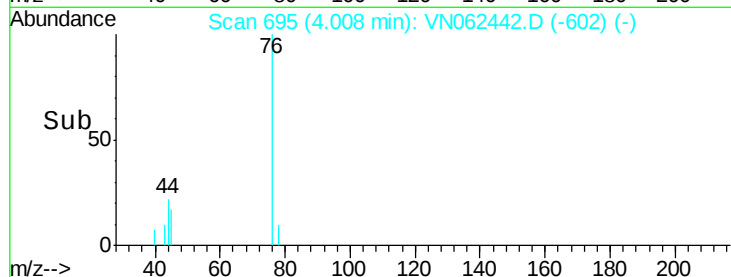
1500

1000

500

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 48.990 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062442.D

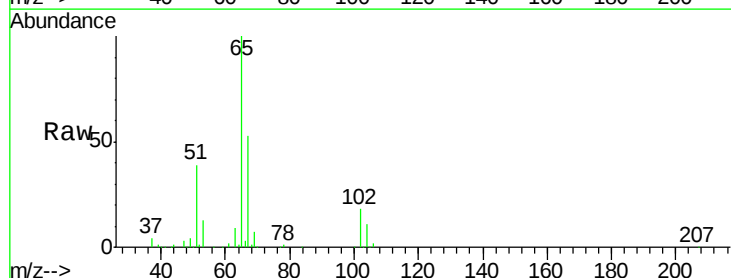
Acq: 9 Jul 2020 6:23

Tgt Ion: 65 Resp: 159207

Ion Ratio Lower Upper

65 100

67 52.1 0.0 107.6



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

Ion 66.90 (66.60 to 67.60): VN062401.D

7.99

80000

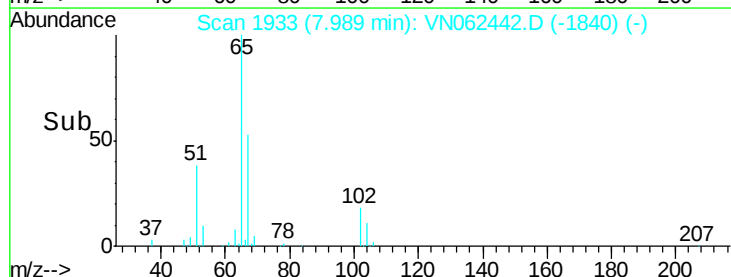
60000

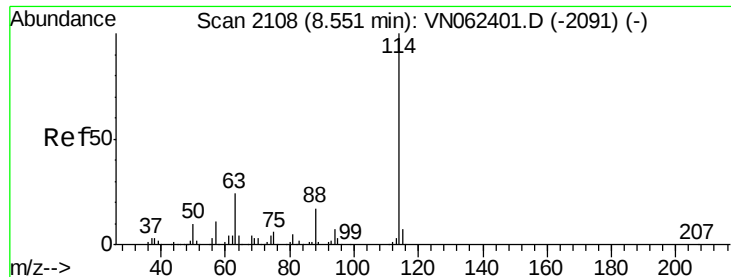
40000

20000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN062442.D

Acq: 9 Jul 2020 6:23

Instrument :

MSVOA_N

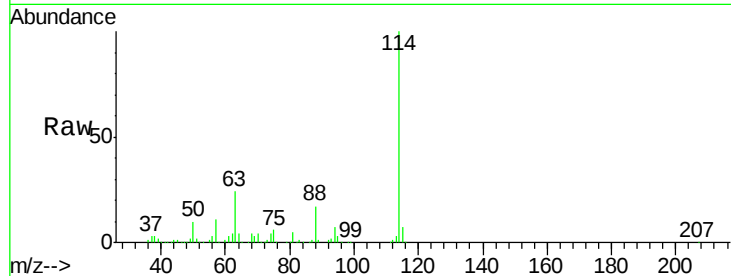
ClientSampleId :

MW-14

Tot Ion	Ratio	Resp	Lower	Upper
114	100	375111		
63	24.1	0.0	48.4	
88	17.0	0.0	33.8	

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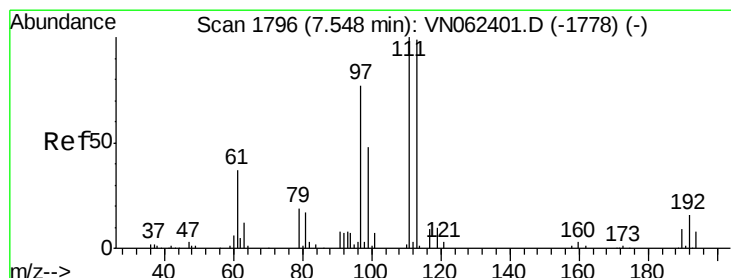
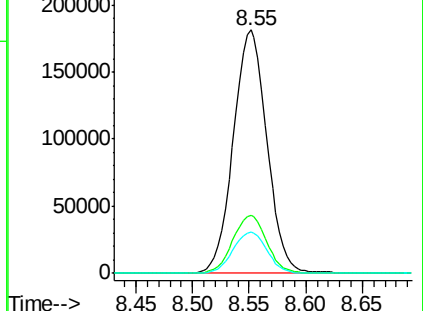
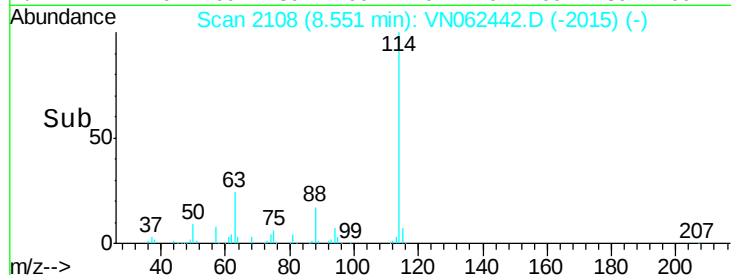
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Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 50.833 ug/l

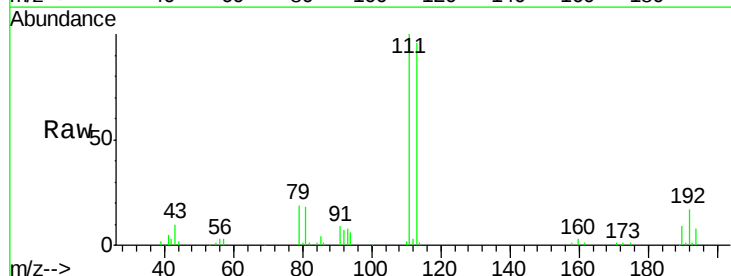
RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN062442.D

Acq: 9 Jul 2020 6:23

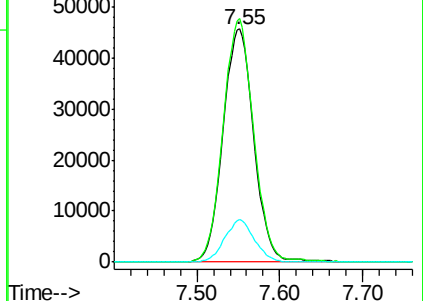
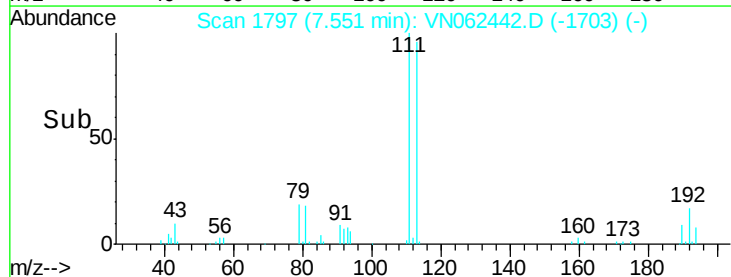
Tgt Ion	Ratio	Resp	Lower	Upper
113	100	117867		
111	103.6	83.1	124.7	
192	17.5	14.1	21.1	

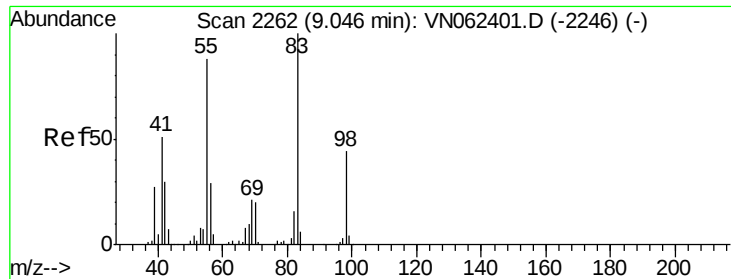


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





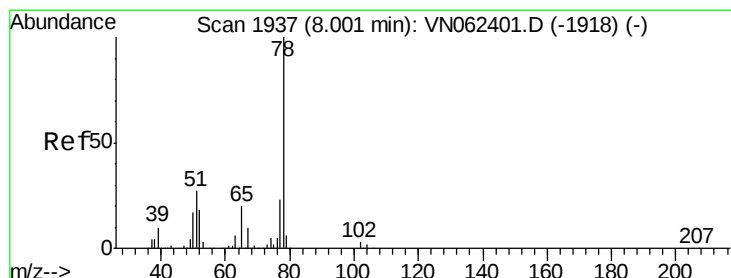
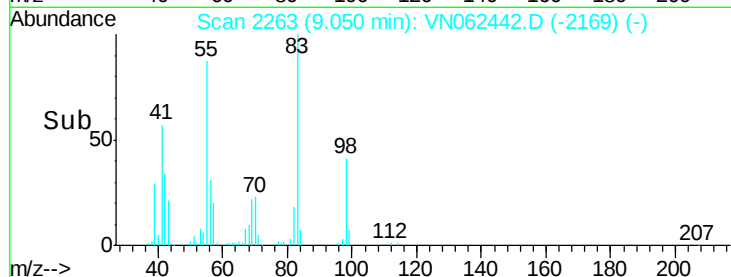
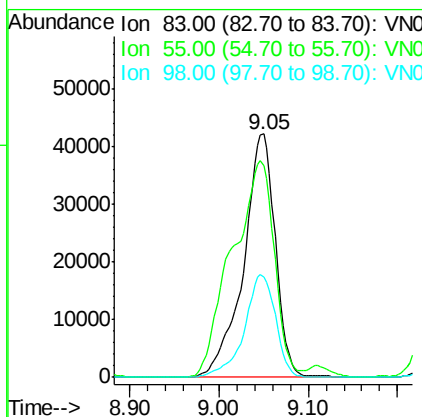
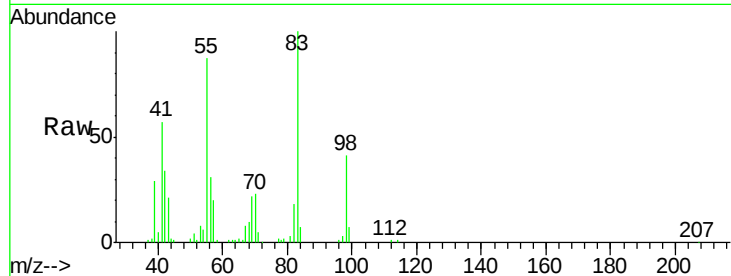
#39
Methvlcvclohexane
Concen: 25.859 ug/l
RT: 9.05 min Scan# 2263
Delta R.T. 0.00 min
Lab File: VN062442.D
Acq: 9 Jul 2020 6:23

Instrument :
MSVOA_N
ClientSampled :
MW-14

Tot Ion	83	Resp	104332
Ion Ratio	Lower	Upper	
83	100		
55	86.7	70.5	105.7
98	41.1	35.5	53.3

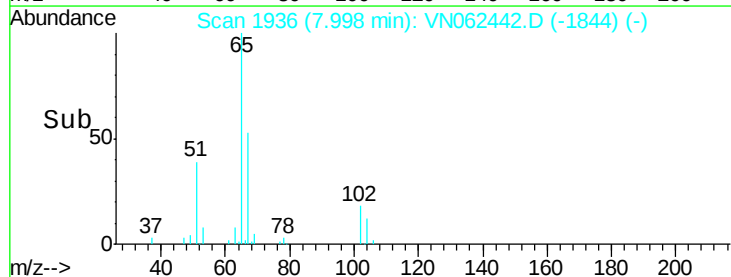
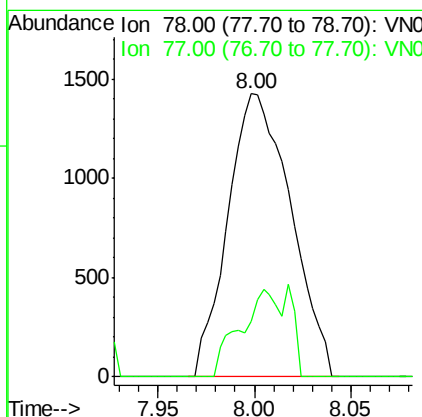
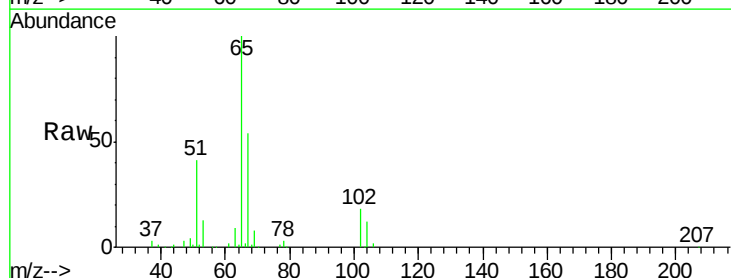
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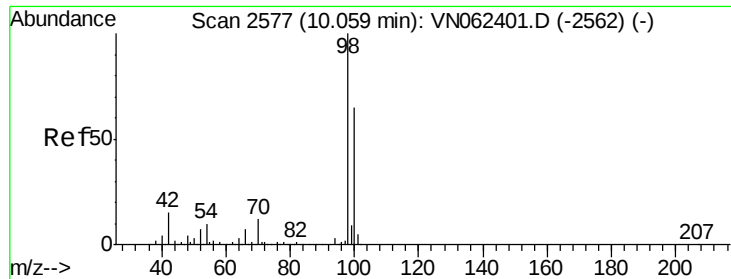
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#40
Benzene
Concen: 0.290 ug/l
RT: 8.00 min Scan# 1936
Delta R.T. -0.00 min
Lab File: VN062442.D
Acq: 9 Jul 2020 6:23

Tgt Ion	78	Resp	3226
Ion Ratio	Lower	Upper	
78	100		
77	19.7	18.7	28.1





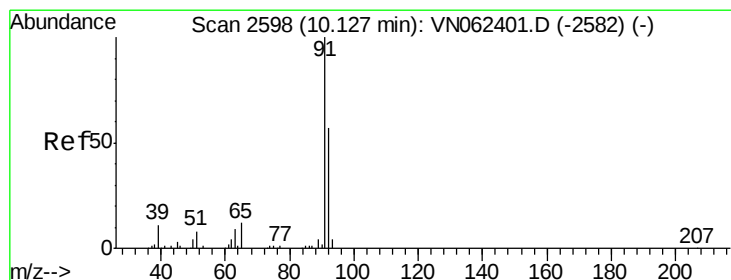
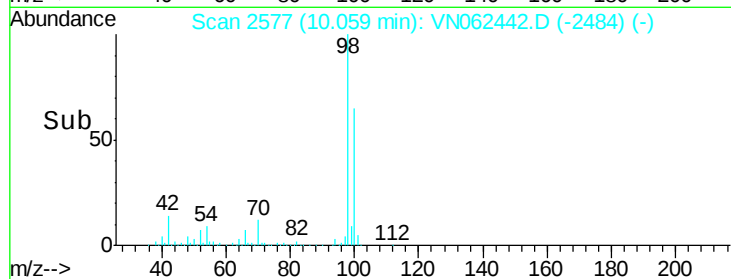
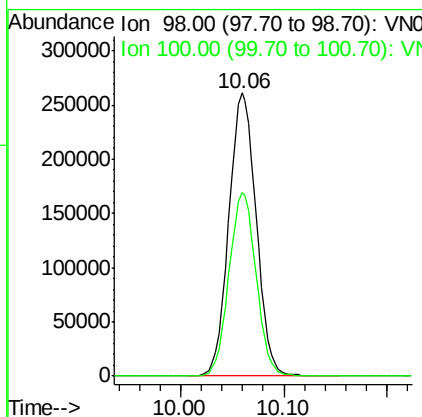
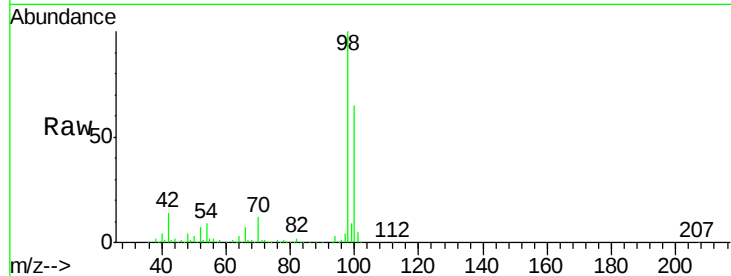
#50
Toluene-d8
Concen: 52.756 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062442.D
Acq: 9 Jul 2020 6:23

Instrument :
MSVOA_N
ClientSampleId :
MW-14

Tot Ion: 98 Resp: 482906
Ion Ratio Lower Upper
98 100
100 64.6 51.5 77.3

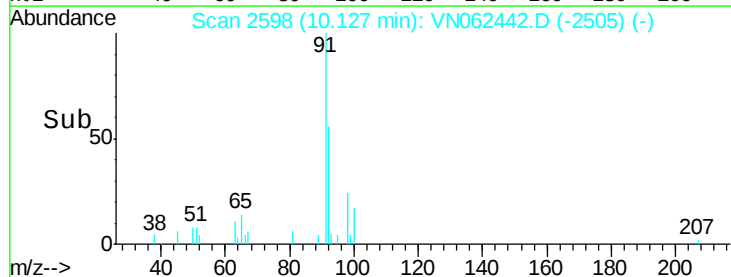
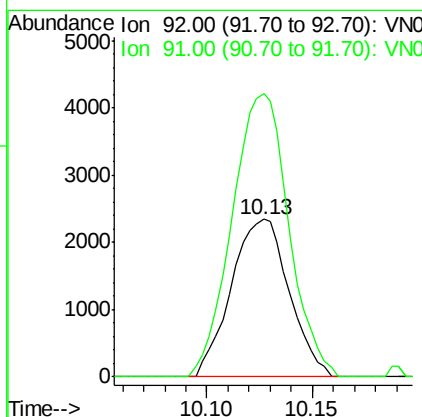
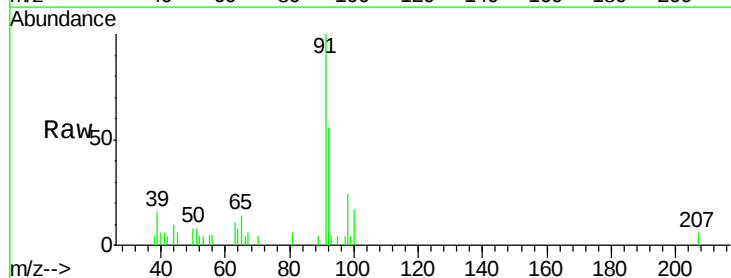
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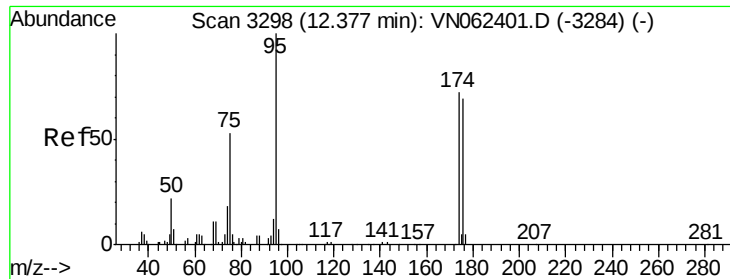
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#52
Toluene
Concen: 0.693 ug/l
RT: 10.13 min Scan# 2598
Delta R.T. 0.00 min
Lab File: VN062442.D
Acq: 9 Jul 2020 6:23

Tgt Ion: 92 Resp: 4461
Ion Ratio Lower Upper
92 100
91 176.3 141.0 211.6





#62

4-Bromofluorobenzene

Concen: 58.584 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062442.D

Acq: 9 Jul 2020 6:23

Instrument :

MSVOA_N

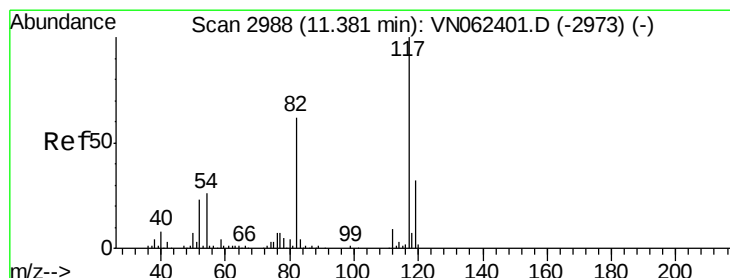
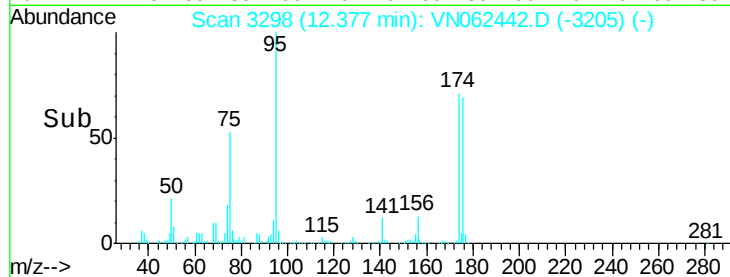
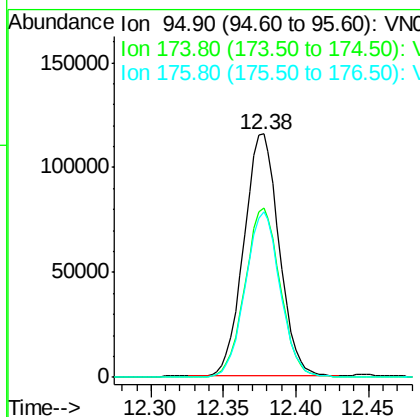
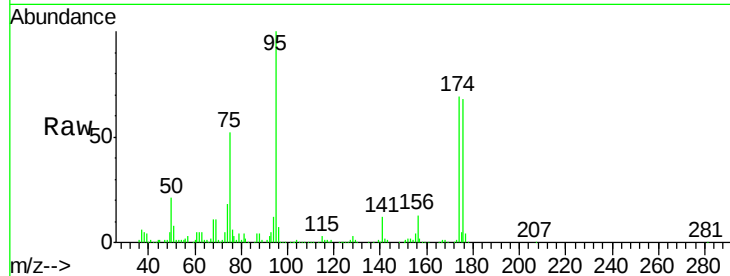
ClientSampled :

MW-14

Tot Ion:	95	Resp:	195962
Ion Ratio	Lower	Upper	
95	100		
174	69.8	0.0	141.6
176	67.7	0.0	137.2

Manual Integrations
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7/9/2020 10:58:52 AM



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

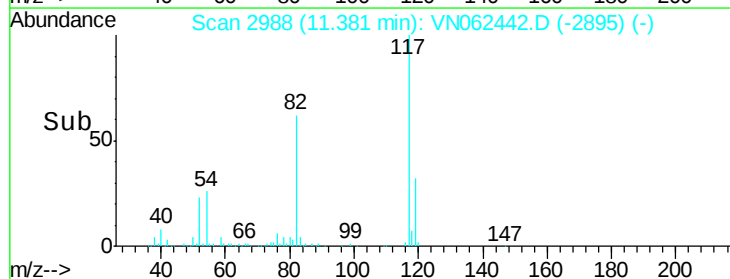
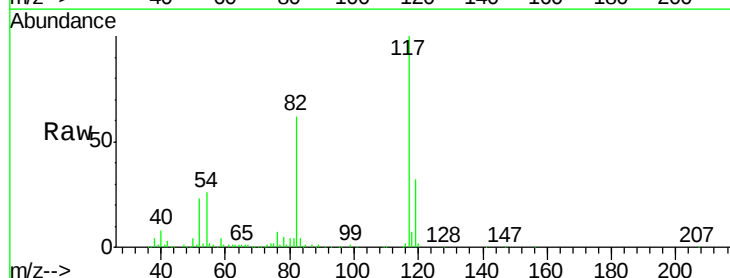
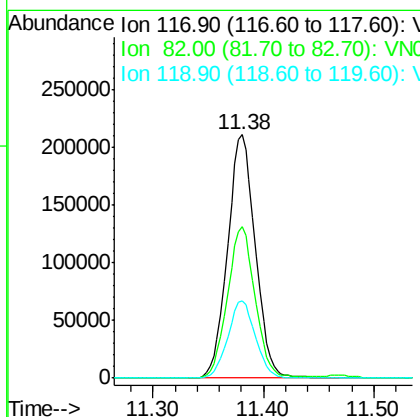
RT: 11.38 min Scan# 2988

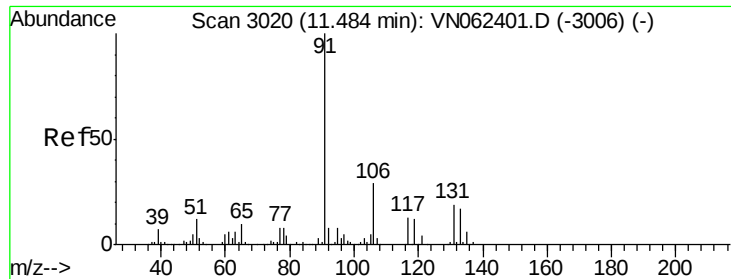
Delta R.T. 0.00 min

Lab File: VN062442.D

Acq: 9 Jul 2020 6:23

Tgt Ion:	117	Resp:	368138
Ion Ratio	Lower	Upper	
117	100		
82	62.0	49.6	74.4
119	31.8	25.4	38.0





#67

Ethyl Benzene

Concen: 20.130 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. 0.00 min

Lab File: VN062442.D

Acq: 9 Jul 2020 6:23

Instrument :

MSVOA_N

ClientSampled :

MW-14

Tot Ion: 91 Resp: 270345

Ion Ratio Lower Upper

91 100

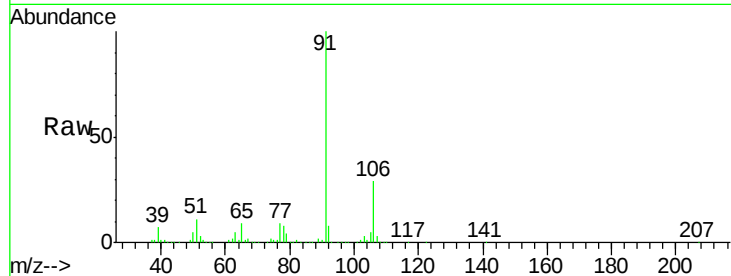
106 29.5 23.4 35.2

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN062401.D (-3006) (-)

Ion 106.00 (105.70 to 106.70): VN062401.D (-3006) (-)

11.48

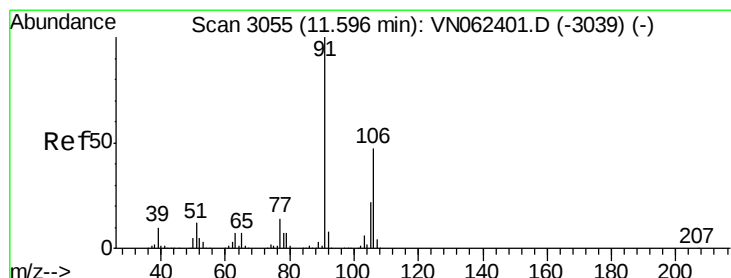
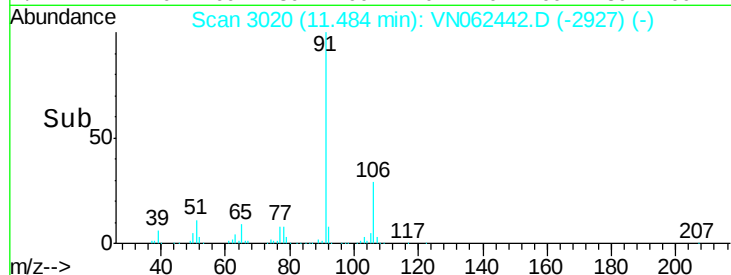
150000

100000

50000

0

Time-->



#68

m/p-Xylenes

Concen: 3.495 ug/l

RT: 11.60 min Scan# 3056

Delta R.T. 0.00 min

Lab File: VN062442.D

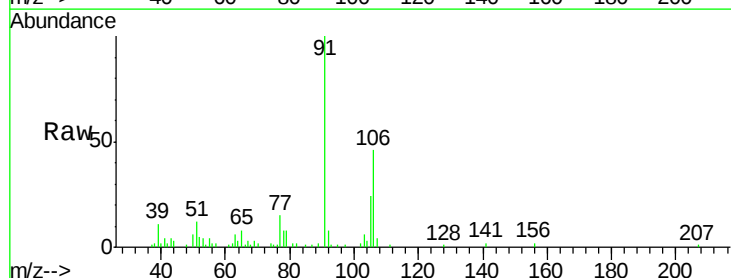
Acq: 9 Jul 2020 6:23

Tgt Ion: 106 Resp: 16615

Ion Ratio Lower Upper

106 100

91 203.6 172.4 258.6



Abundance Ion 106.00 (105.70 to 106.70): VN062401.D (-3039) (-)

Ion 91.00 (90.70 to 91.70): VN062401.D (-3039) (-)

11.60

20000

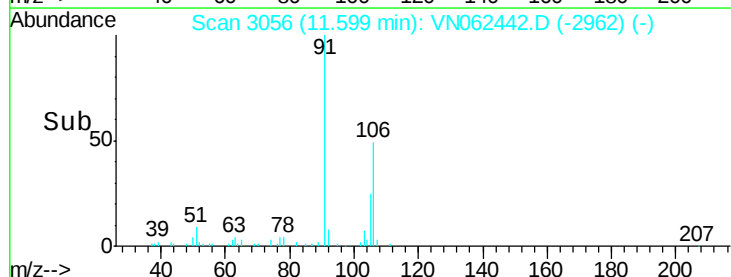
15000

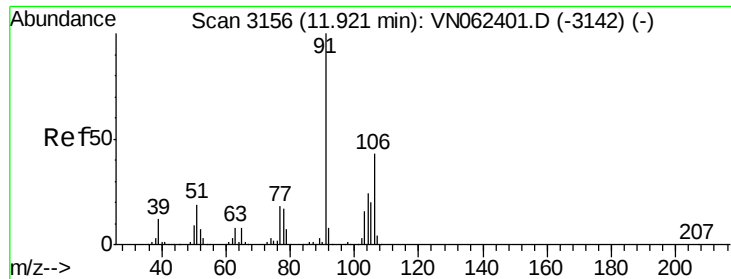
10000

5000

0

Time-->





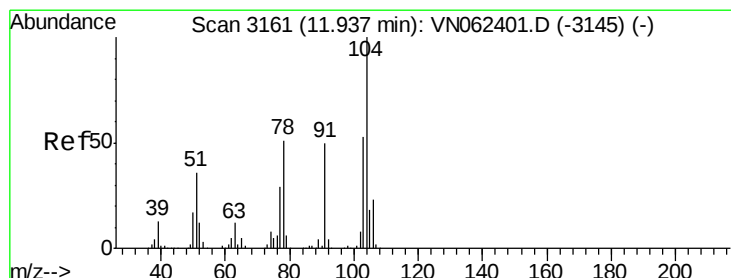
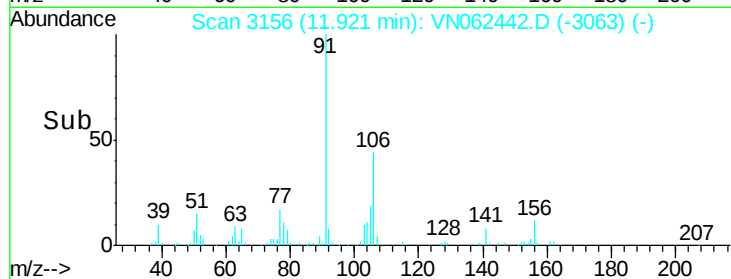
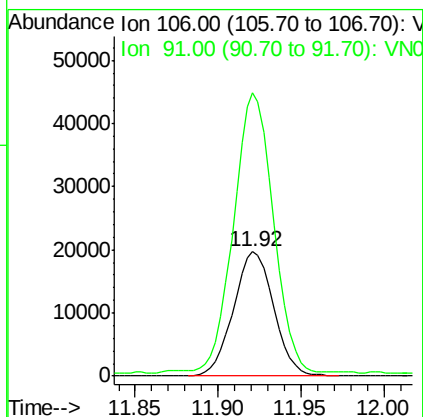
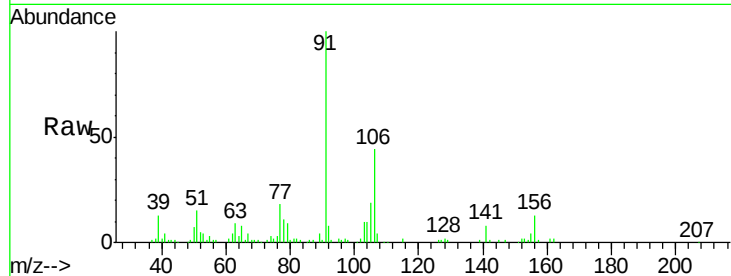
#69
o-Xylene
Concen: 7.173 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062442.D
Acq: 9 Jul 2020 6:23

Instrument :
MSVOA_N
ClientSampled :
MW-14

Tot Ion:106 Resp: 33203
Ion Ratio Lower Upper
106 100
91 222.9 113.8 341.4

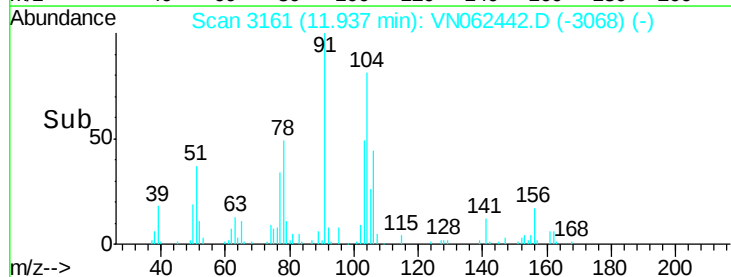
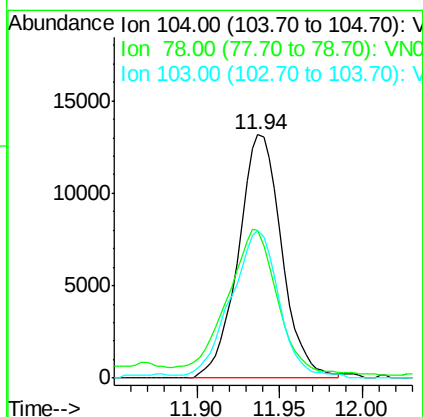
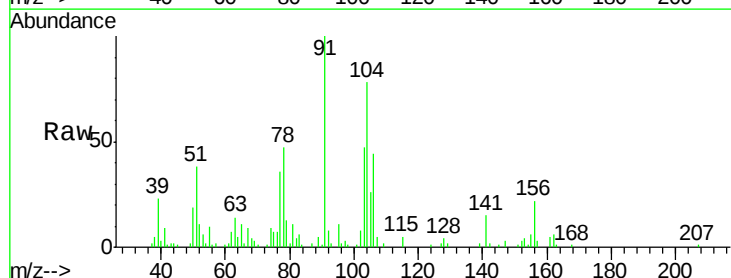
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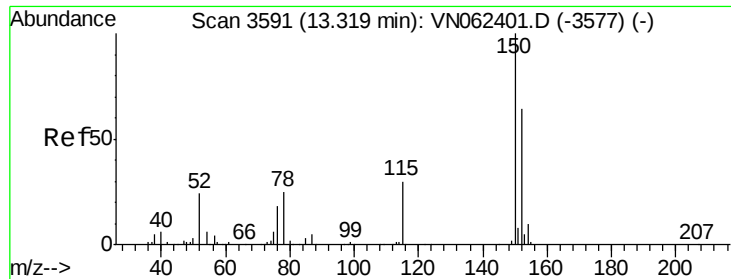
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#70
Styrene
Concen: 3.145 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062442.D
Acq: 9 Jul 2020 6:23

Tgt Ion:104 Resp: 24064
Ion Ratio Lower Upper
104 100
78 69.0 44.2 66.4#
103 67.4 44.4 66.6#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VN062442.D

Acq: 9 Jul 2020 6:23

Instrument :

MSVOA_N

ClientSampleId :

MW-14

Tot Ion:152 Resp: 171946

Ion Ratio Lower Upper

152 100

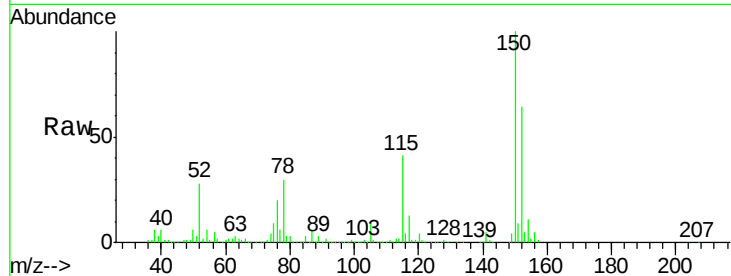
115 64.8 31.4 94.2

150 153.5 0.0 347.4

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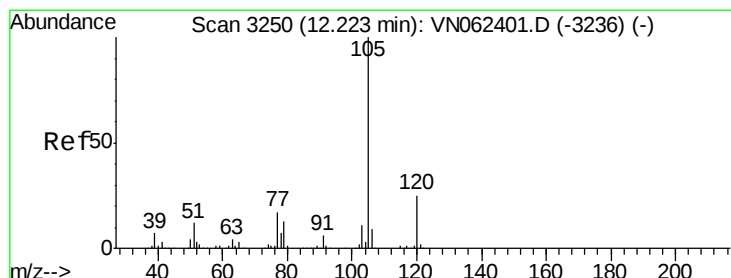
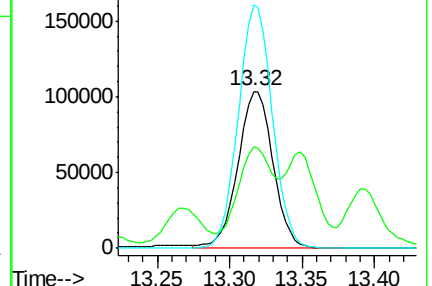
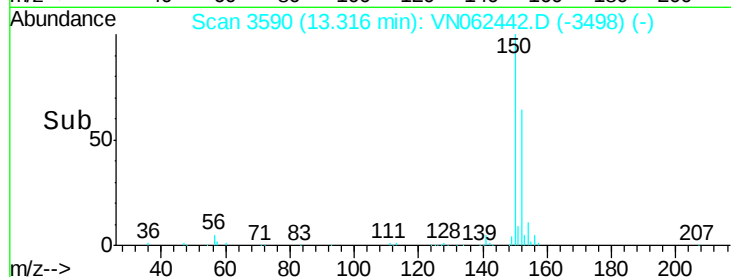
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Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 91.285 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN062442.D

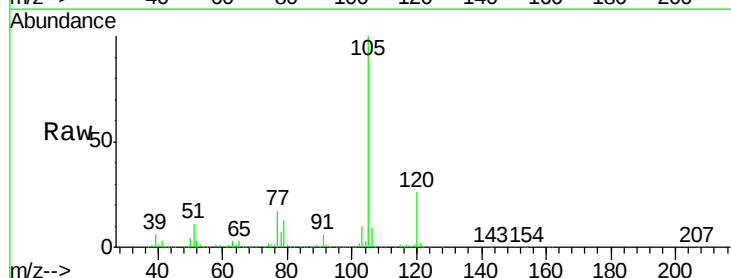
Acq: 9 Jul 2020 6:23

Tgt Ion:105 Resp: 1214604

Ion Ratio Lower Upper

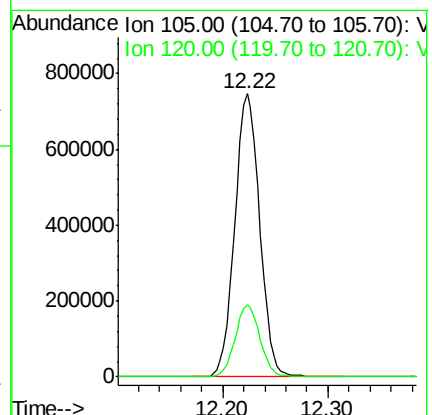
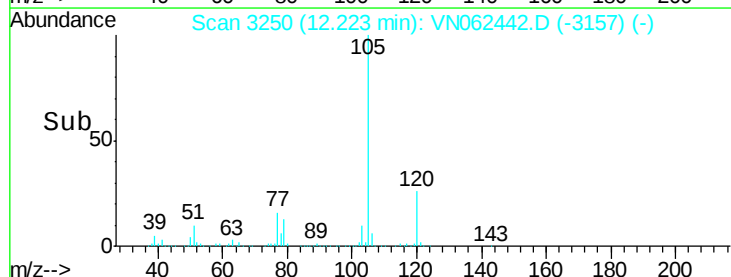
105 100

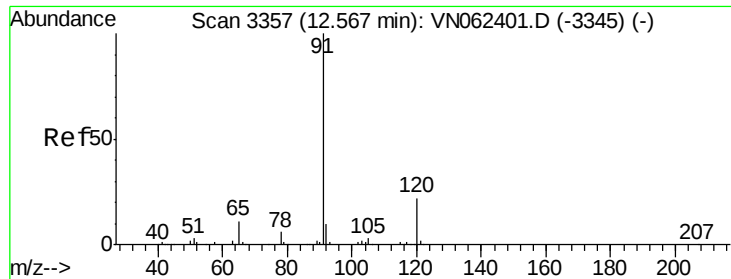
120 25.4 12.7 38.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 92.203 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.00 min

Lab File: VN062442.D

Acq: 9 Jul 2020 6:23

Instrument :

MSVOA_N

ClientSampled :

MW-14

Tot Ion: 91 Resp: 1433051

Ion Ratio Lower Upper

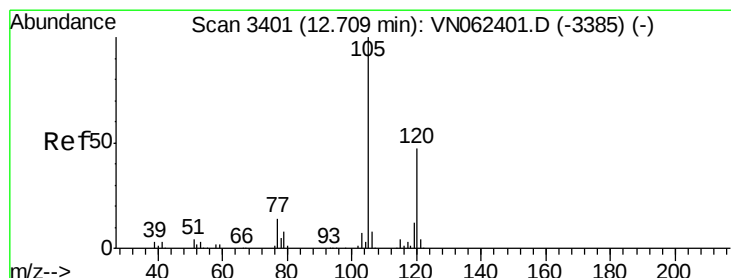
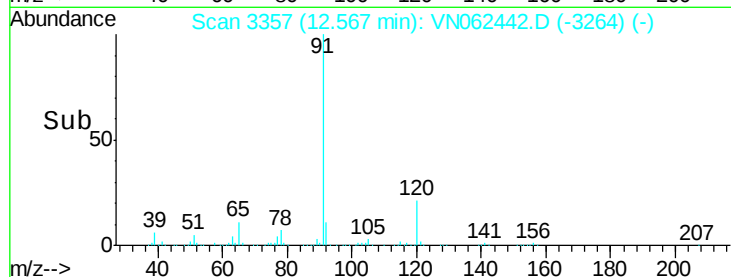
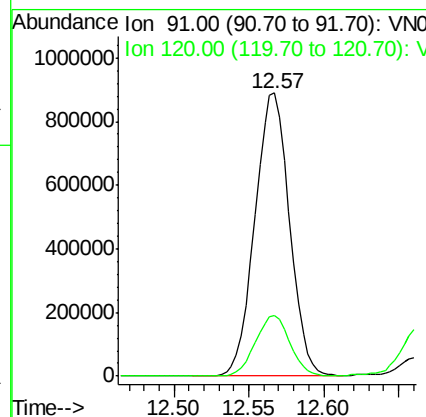
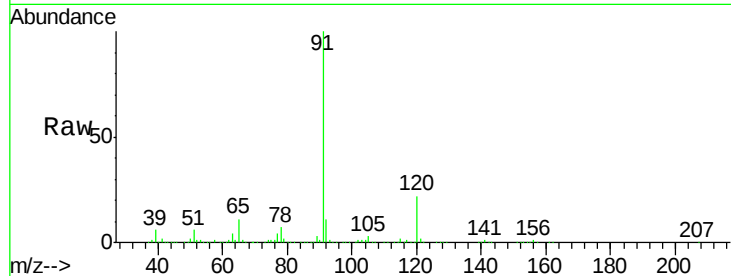
91 100

120 21.4 10.7 32.1

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#80

1,3,5-Trimethylbenzene

Concen: 32.570 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN062442.D

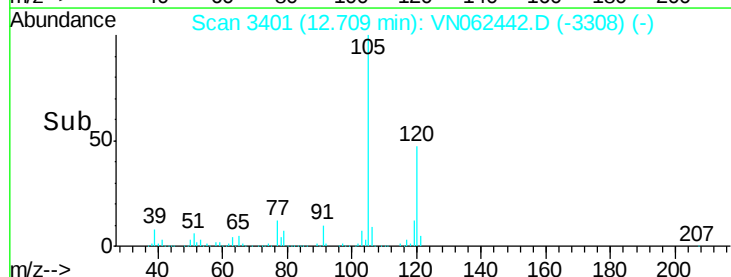
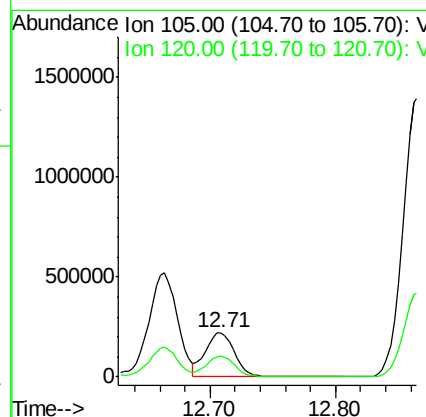
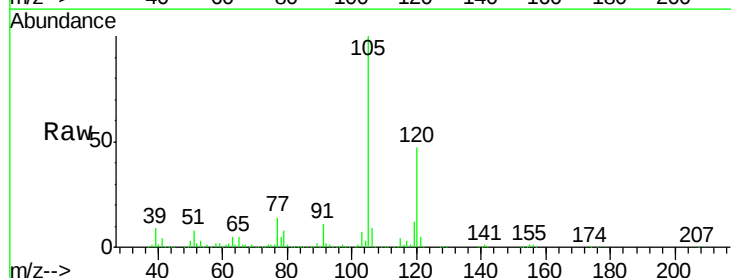
Acq: 9 Jul 2020 6:23

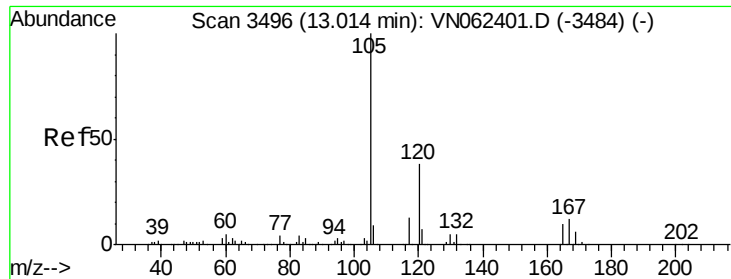
Tgt Ion: 105 Resp: 355257

Ion Ratio Lower Upper

105 100

120 43.7 23.4 70.2





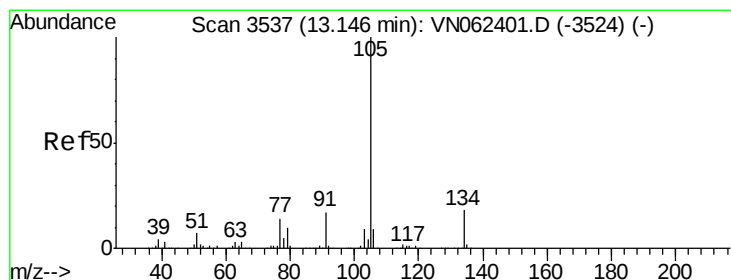
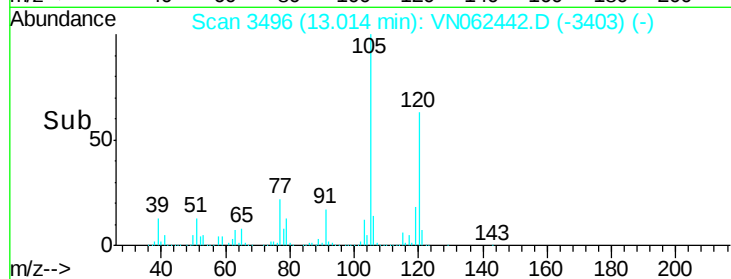
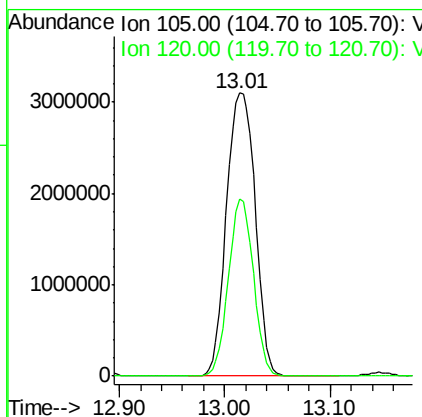
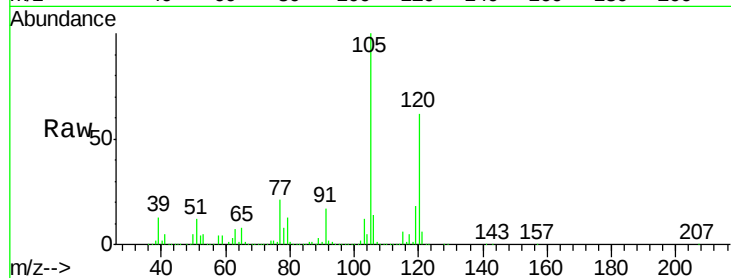
#84
 1,2,4-Trimethylbenzene
 Concen: 539.598 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN062442.D
 Acq: 9 Jul 2020 6:23

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-14

Tot Ion:105 Resp: 5850286
 Ion Ratio Lower Upper
 105 100
 120 54.2 21.6 64.8

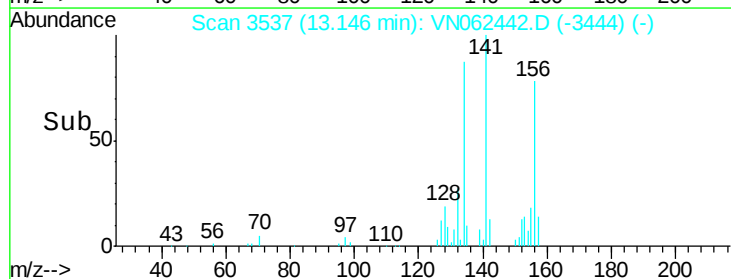
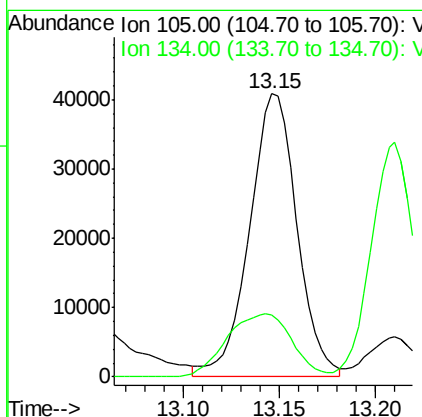
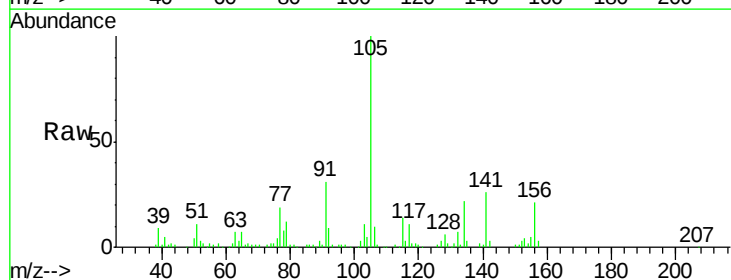
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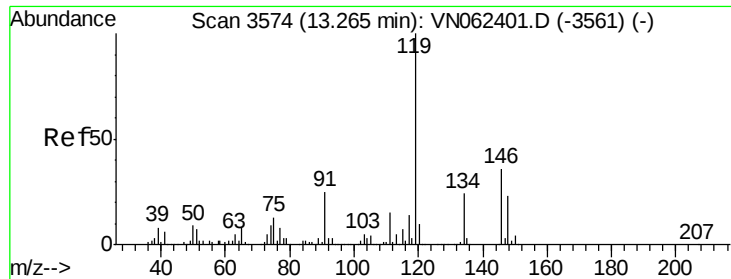
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#85
 sec-Butylbenzene
 Concen: 5.750 ug/l m
 RT: 13.15 min Scan# 3537
 Delta R.T. 0.00 min
 Lab File: VN062442.D
 Acq: 9 Jul 2020 6:23

Tgt Ion:105 Resp: 70525
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.3 28.0#





#86

p-Isopropyltoluene

Concen: 21.497 ug/l m

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN062442.D

Acq: 9 Jul 2020 6:23

Instrument :

MSVOA_N

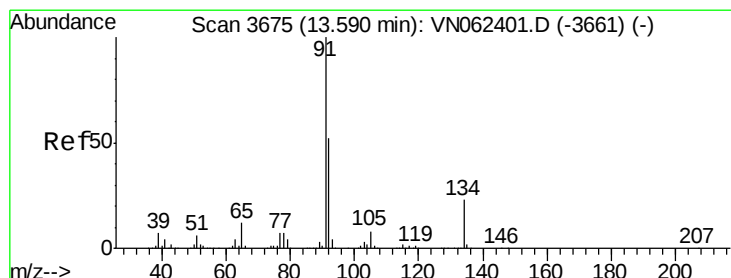
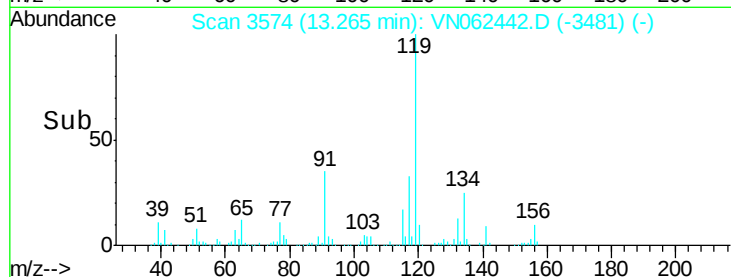
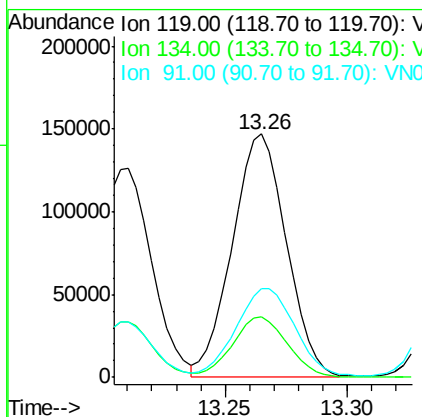
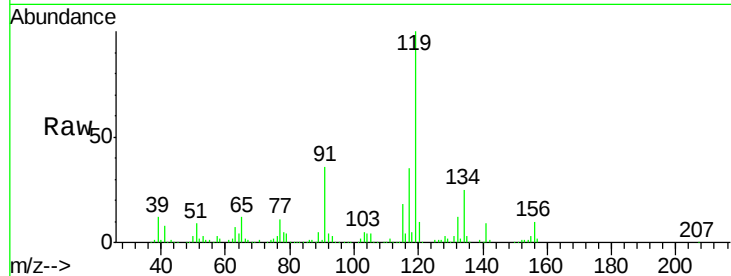
ClientSampled :

MW-14

Tot Ion:	119	Resp:	227579
Ion Ratio	Lower	Upper	
119	100		
134	23.0	12.4	37.0
91	21.3	12.4	37.4

Manual Integrations
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#89

n-Butylbenzene

Concen: 9.372 ug/l m

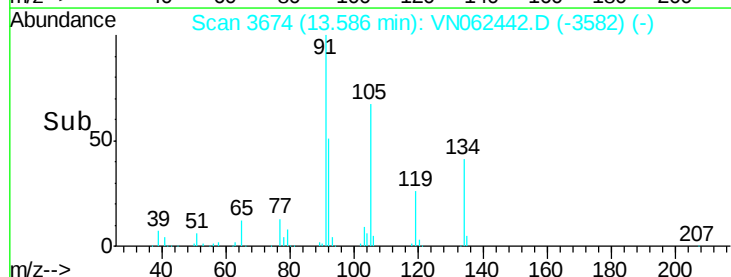
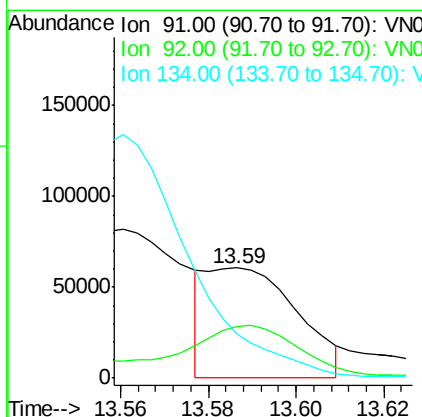
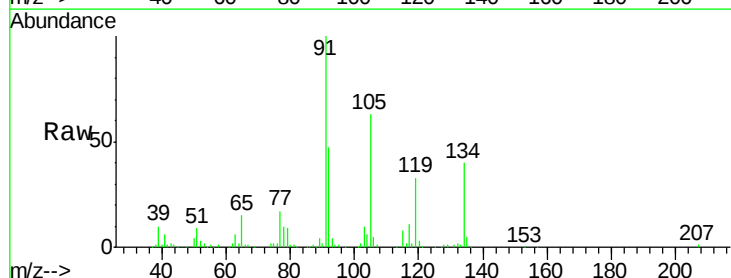
RT: 13.59 min Scan# 3674

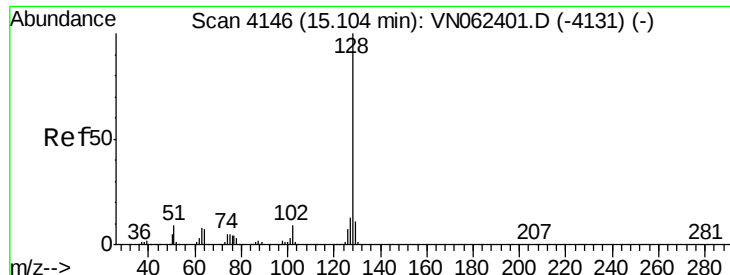
Delta R.T. -0.00 min

Lab File: VN062442.D

Acq: 9 Jul 2020 6:23

Tgt Ion:	91	Resp:	87607
Ion Ratio	Lower	Upper	
91	100		
92	0.0	25.9	77.7#
134	287.7	11.6	34.8#





#95
Naphthalene
Concen: 643.775 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN062442.D
Acq: 9 Jul 2020 6:23

Instrument :
MSVOA_N
ClientSampled :
MW-14

Tot Ion:128 Resp:11963512
Ion Ratio Lower Upper
128 100
127 33.5 10.2 15.2#
129 30.5 8.6 12.8#

Manual Integrations
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7/9/2020 10:58:52 AM

