

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
 Data File : VN062439.D
 Acq On : 9 Jul 2020 5:11
 Operator : JC/MD
 Sample : L3215-18
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3

Manual Integrations
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MMDadoda
 7/9/2020 10:58:47 AM

Quant Time: Jul 09 13:07:28 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	203271	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	358704	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	341765	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	148382	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	151610	48.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.98%	
35) Dibromofluoromethane	7.55	113	110751	49.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.90%	
50) Toluene-d8	10.06	98	471673	53.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.78%	
62) 4-Bromofluorobenzene	12.38	95	180762	56.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.02%	
Target Compounds						
					Qvalue	
31) Cyclohexane	7.61	56	102157	21.511	ug/l	90
39) Methylcyclohexane	9.05	83	113317	29.370	ug/l	92
40) Benzene	8.00	78	808695	75.927	ug/l	100
52) Toluene	10.12	92	151319	24.596	ug/l	99
64) Tetrachloroethene	10.60	164	1312	0.647	ug/l #	80
67) Ethyl Benzene	11.48	91	5879486	471.561	ug/l #	77
68) m/p-Xylenes	11.60	106	895818	202.958	ug/l	97
69) o-Xylene	11.92	106	312970	72.826	ug/l	100
73) Isopropylbenzene	12.22	105	397172	34.590	ug/l	99
78) n-propylbenzene	12.56	91	1056173	78.746	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	83464	8.867	ug/l	94
83) tert-Butylbenzene	12.97	119	4933m	0.618	ug/l	
84) 1,2,4-Trimethylbenzene	13.01	105	5775376	617.283	ug/l	84
85) sec-Butylbenzene	13.15	105	113855m	10.756	ug/l	
86) p-Isopropyltoluene	13.26	119	56598	6.195	ug/l #	74
89) n-Butylbenzene	13.59	91	141838m	17.583	ug/l	
95) Naphthalene	15.10	128	2526727	268.038	ug/l	100

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

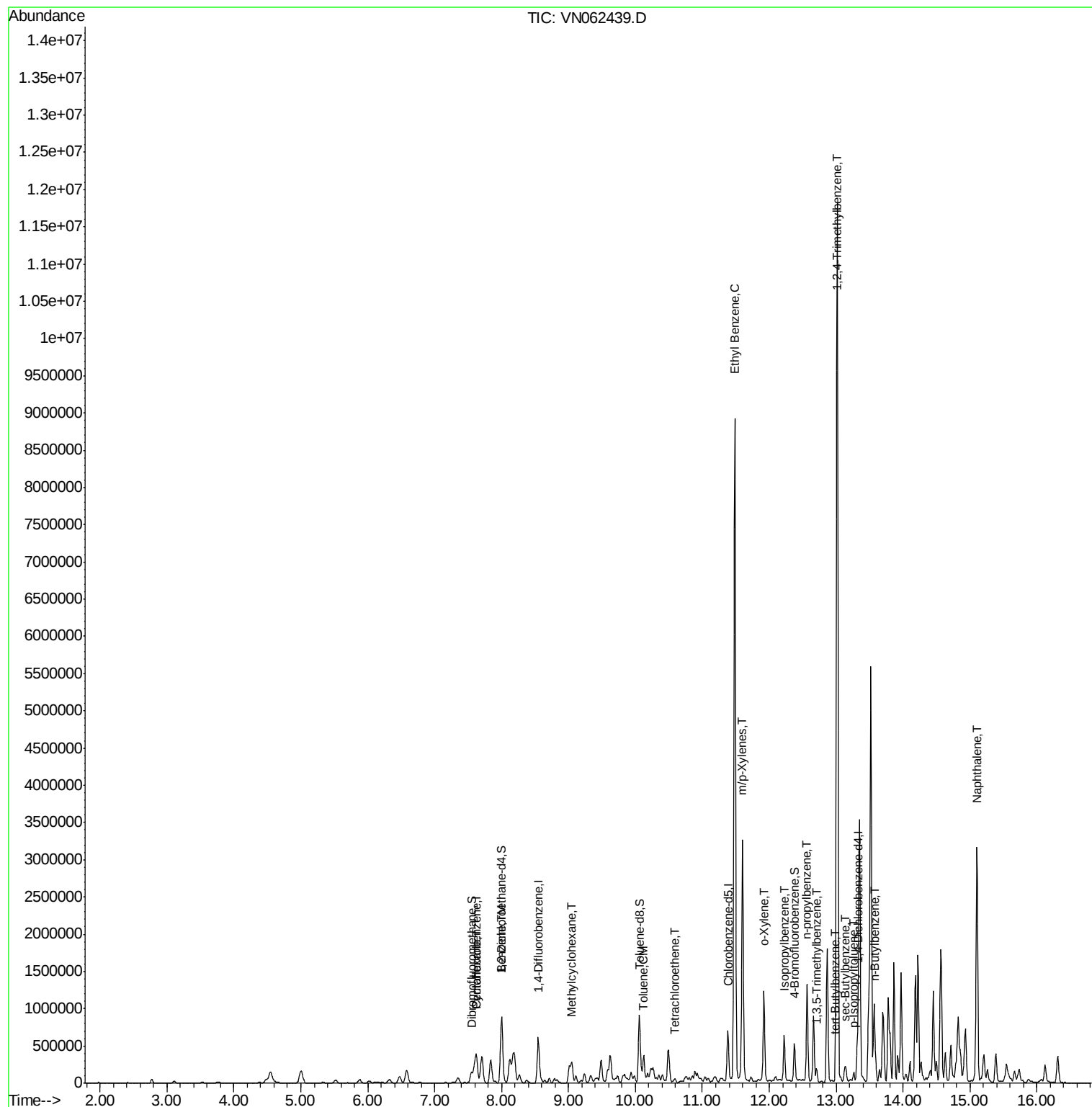
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
Data File : VN062439.D
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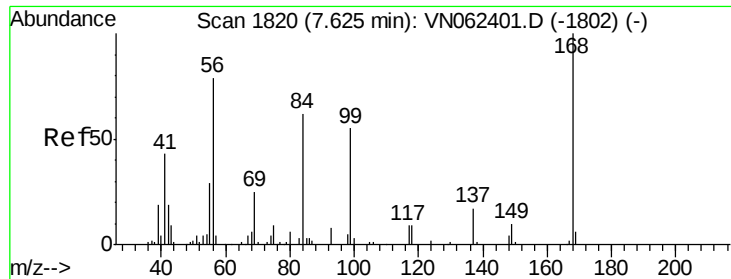
Instrument :
MSVOA_N
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MW-3

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Quant Time: Jul 09 13:07:28 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN062439.D

Acq: 9 Jul 2020 5:11

Instrument :

MSVOA_N

ClientSampleId :

MW-3

Tot Ion:168 Resp: 203271

Ion Ratio Lower Upper

168 100

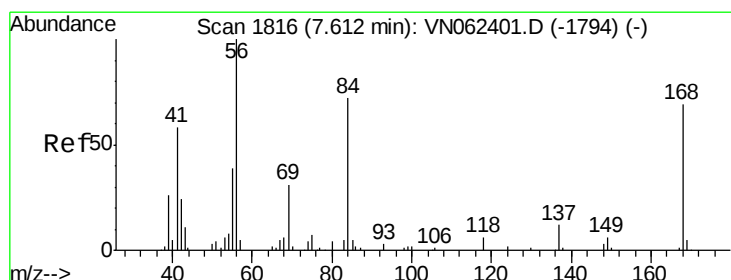
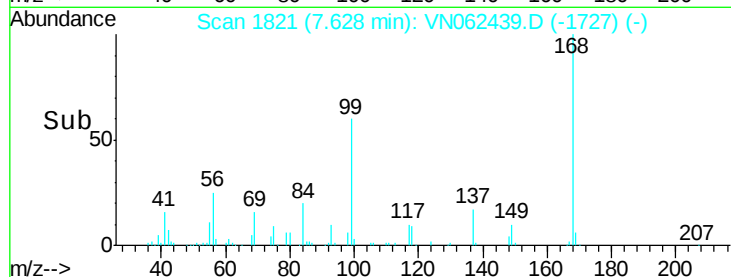
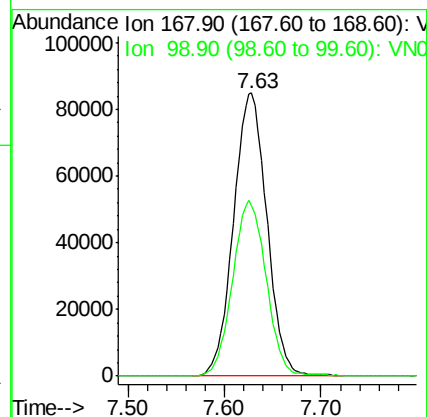
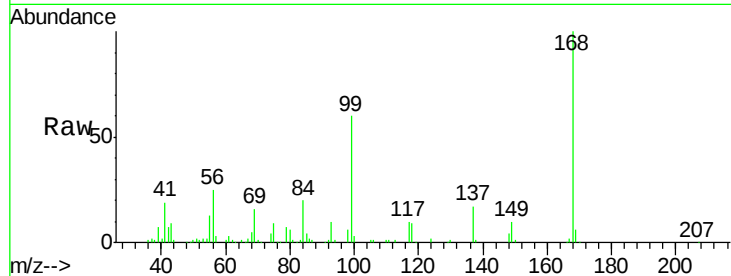
99 60.5 48.8 73.2

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#31

Cyclohexane

Concen: 21.511 ug/l

RT: 7.61 min Scan# 1815

Delta R.T. -0.00 min

Lab File: VN062439.D

Acq: 9 Jul 2020 5:11

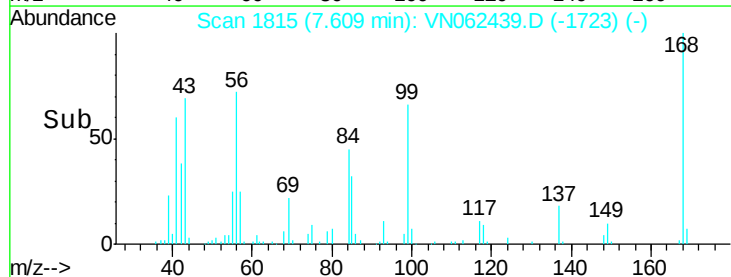
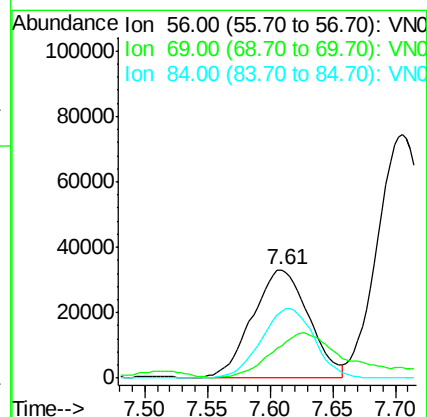
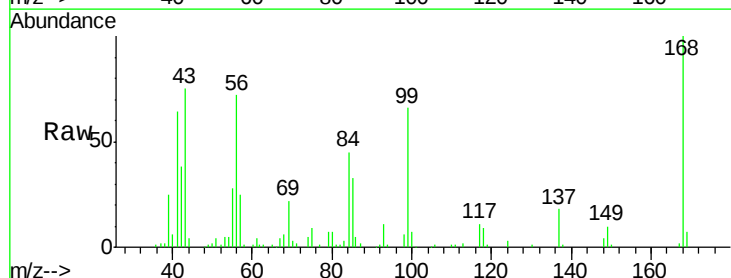
Tgt Ion: 56 Resp: 102157

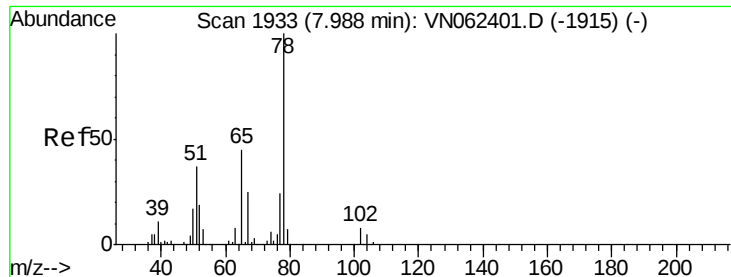
Ion Ratio Lower Upper

56 100

69 27.4 24.5 36.7

84 62.2 57.4 86.2





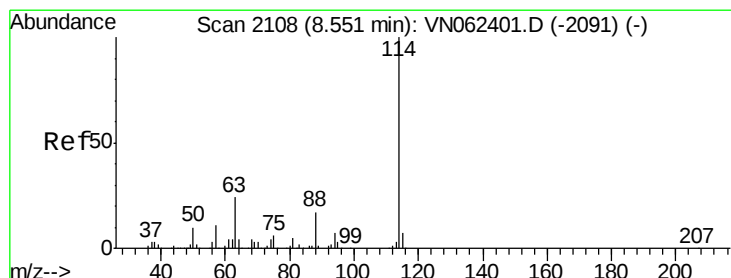
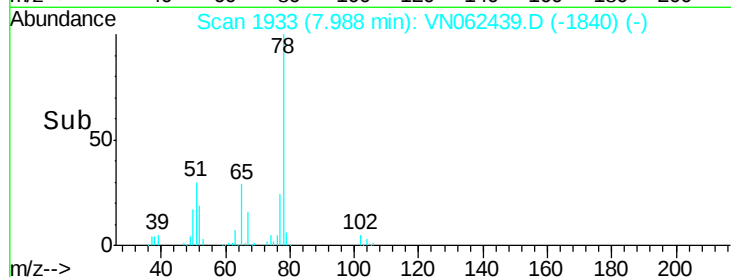
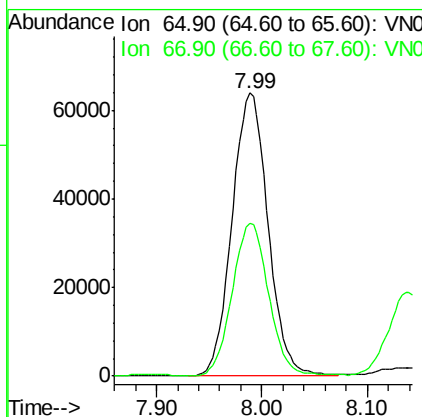
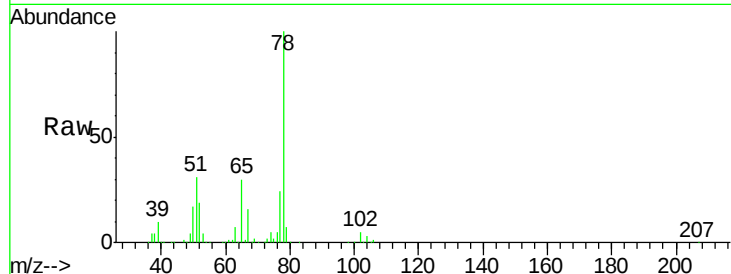
#33
 1,2-Dichloroethane-d4
 Concen: 48.491 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. -0.00 min
 Lab File: VN062439.D
 Acq: 9 Jul 2020 5:11

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3

Tot Ion	Ratio	Resp	Lower	Upper
65	100	151610		
67	55.0	0.0	107.6	

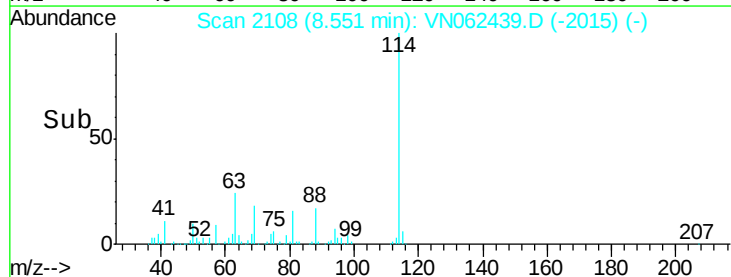
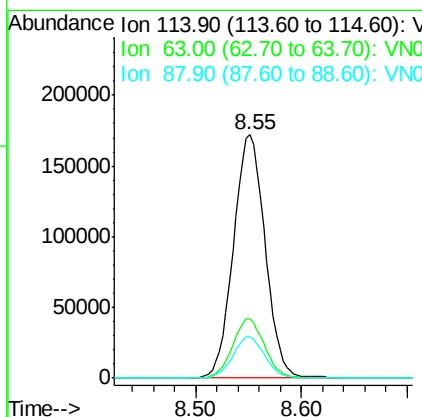
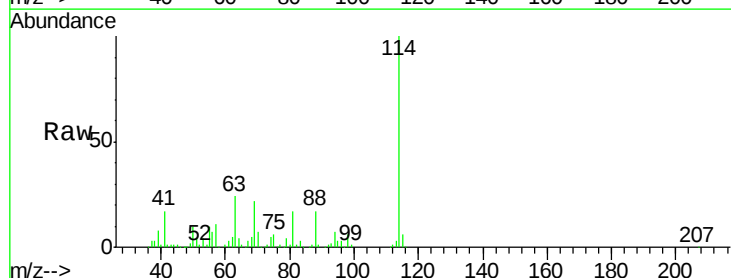
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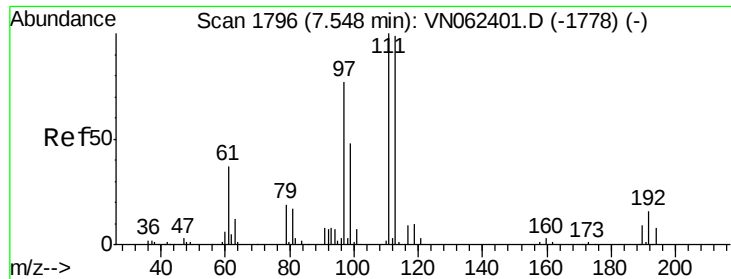
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN062439.D
 Acq: 9 Jul 2020 5:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	358704		
63	24.5	0.0	48.4	
88	17.2	0.0	33.8	





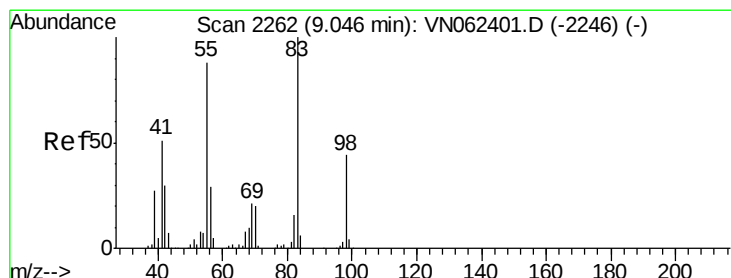
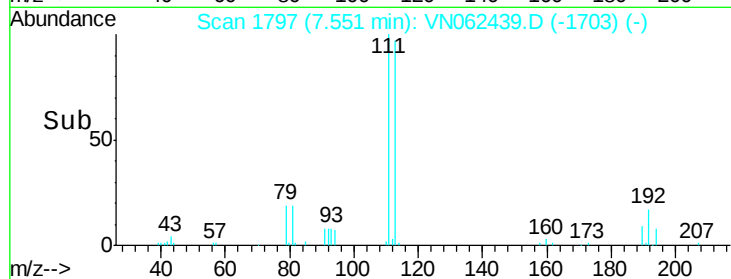
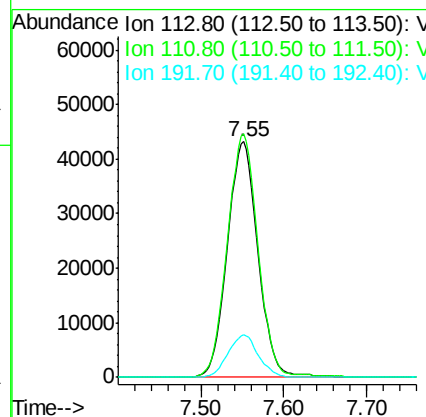
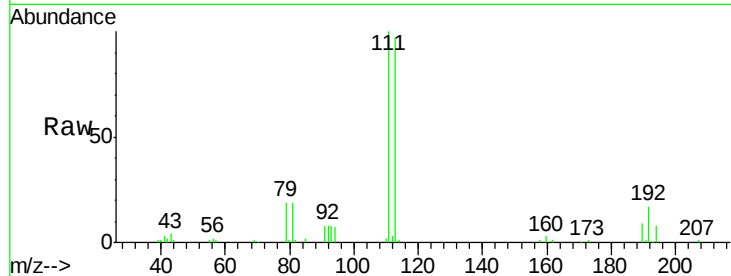
#35
 Dibromofluoromethane
 Concen: 49.949 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062439.D
 Acq: 9 Jul 2020 5:11

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.0	83.1	124.7	
192	17.8	14.1	21.1	

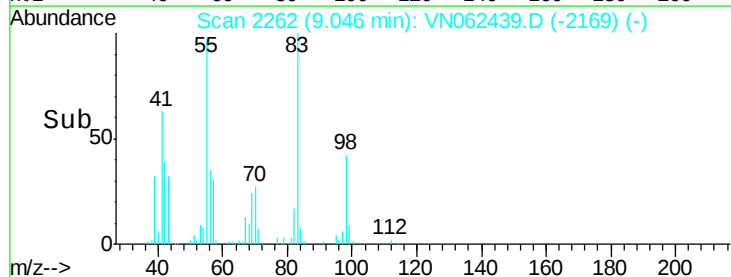
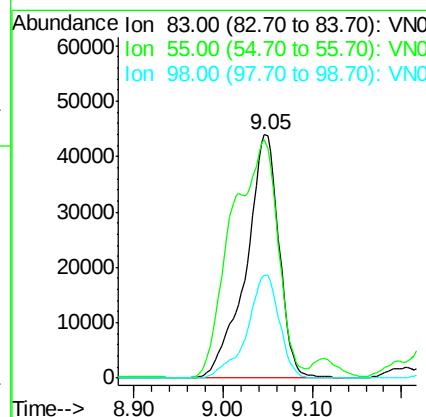
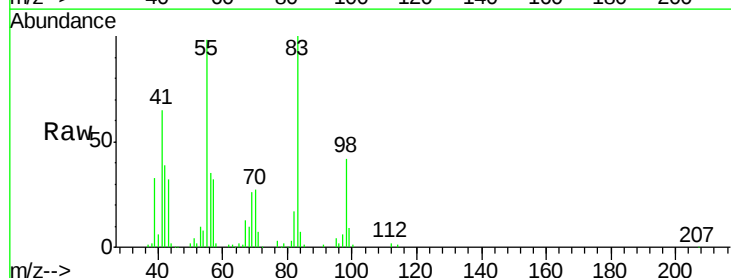
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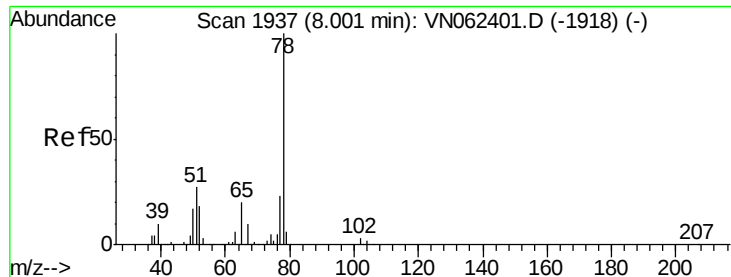
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#39
 Methylcyclohexane
 Concen: 29.370 ug/l
 RT: 9.05 min Scan# 2262
 Delta R.T. -0.00 min
 Lab File: VN062439.D
 Acq: 9 Jul 2020 5:11

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
55	97.3	70.5	105.7	
98	42.3	35.5	53.3	





#40

Benzene

Concen: 75.927 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN062439.D

Acq: 9 Jul 2020 5:11

Instrument :

MSVOA_N

ClientSampled :

MW-3

Tot Ion: 78 Resp: 808695

Ion Ratio Lower Upper

78 100

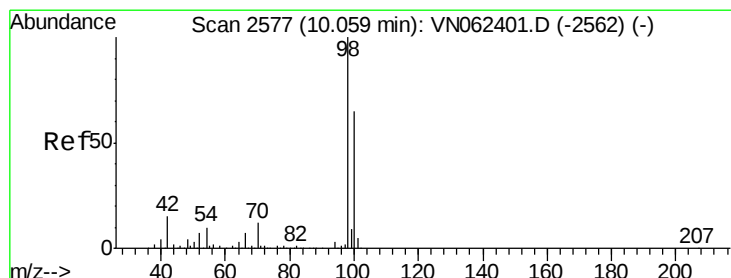
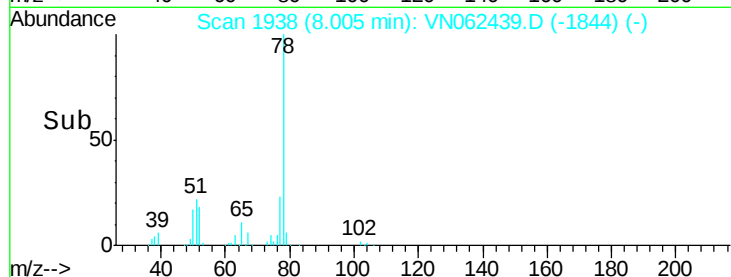
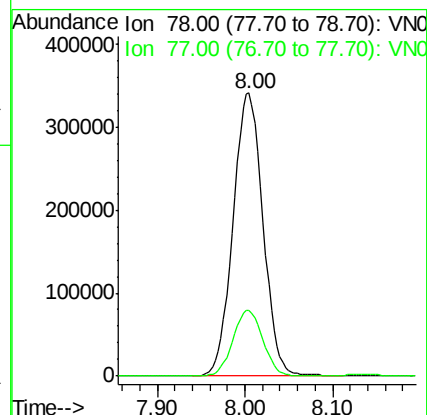
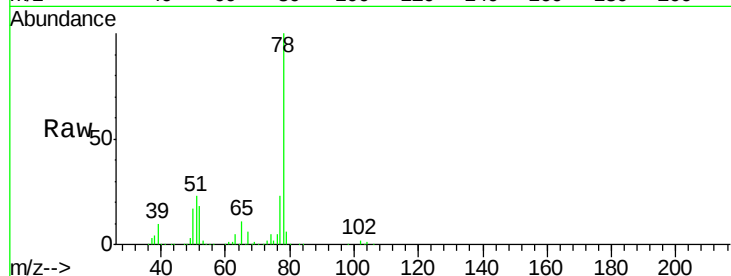
77 23.3 18.7 28.1

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#50

Toluene-d8

Concen: 53.886 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN062439.D

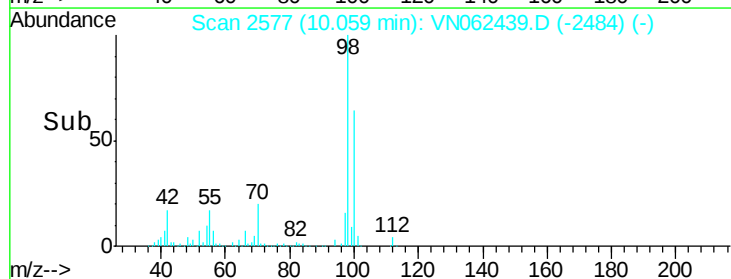
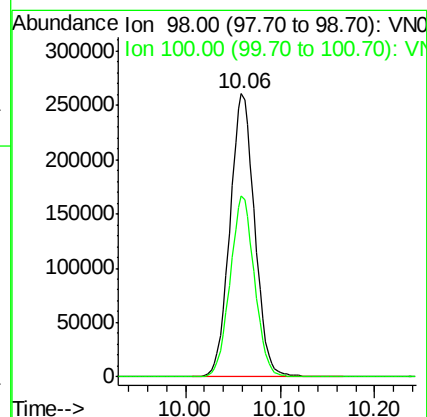
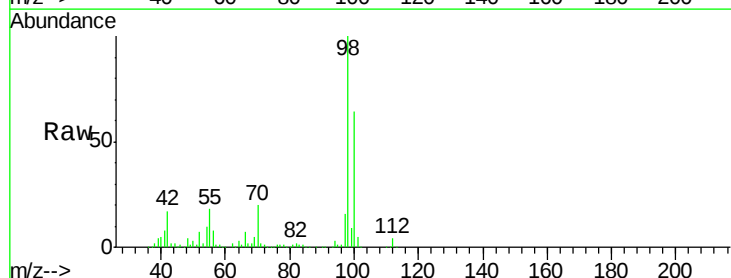
Acq: 9 Jul 2020 5:11

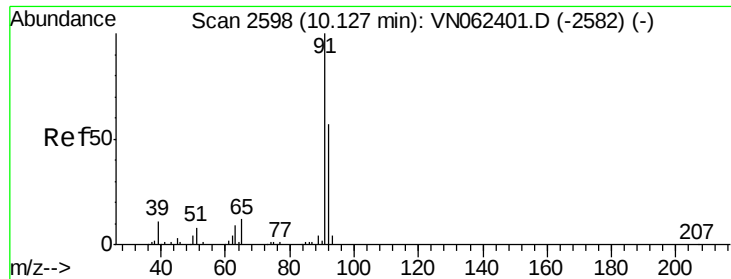
Tgt Ion: 98 Resp: 471673

Ion Ratio Lower Upper

98 100

100 63.4 51.5 77.3





#52

Toluene

Concen: 24.596 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062439.D

Acq: 9 Jul 2020 5:11

Instrument :

MSVOA_N

ClientSampled :

MW-3

Tot Ion: 92 Resp: 151319

Ion Ratio Lower Upper

92 100

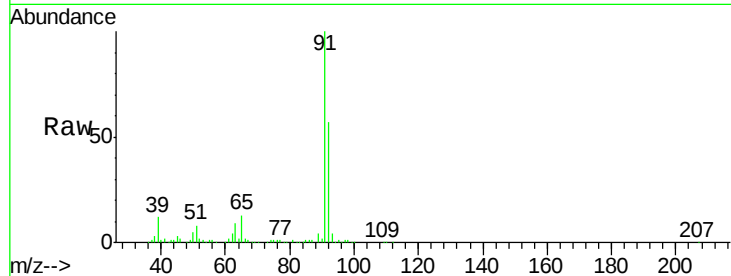
91 174.9 141.0 211.6

Manual Integrations

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Abundance Ion 92.00 (91.70 to 92.70): VN062401.D (-2582) (-)

Ion 91.00 (90.70 to 91.70): VN062401.D (-2582) (-)

150000

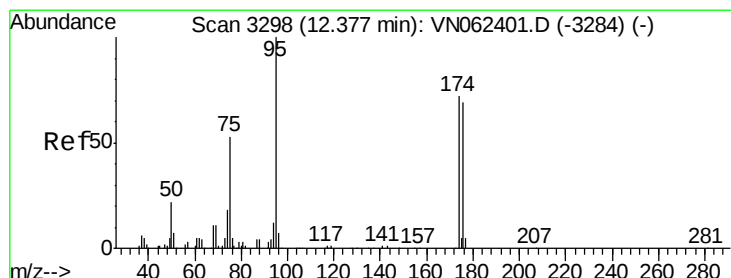
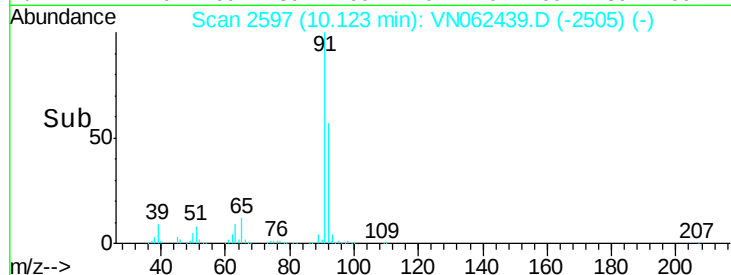
100000

50000

0

10.05 10.10 10.15 10.20

Time-->



#62

4-Bromofluorobenzene

Concen: 56.511 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062439.D

Acq: 9 Jul 2020 5:11

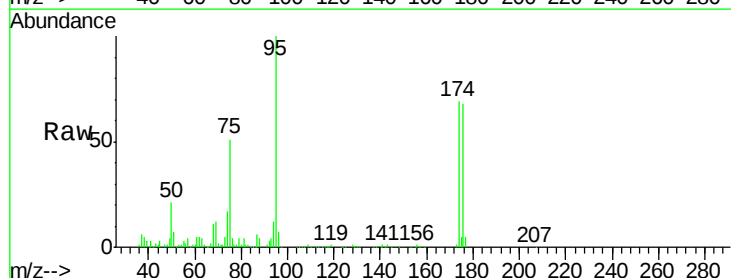
Tgt Ion: 95 Resp: 180762

Ion Ratio Lower Upper

95 100

174 68.5 0.0 141.6

176 67.2 0.0 137.2



Abundance Ion 94.90 (94.60 to 95.60): VN062401.D (-3284) (-)

Ion 173.80 (173.50 to 174.50): VN062401.D (-3284) (-)

Ion 175.80 (175.50 to 176.50): VN062401.D (-3284) (-)

150000

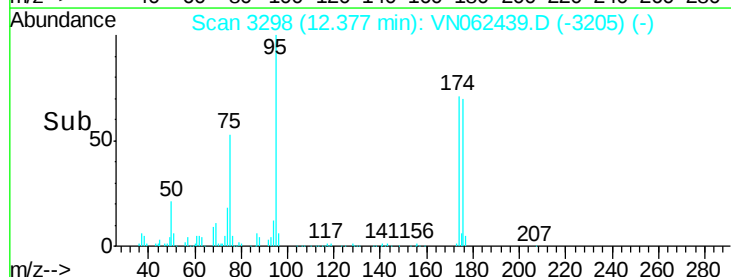
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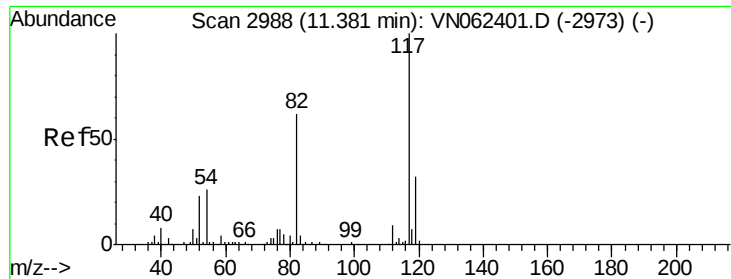
50000

0

12.30 12.35 12.40 12.45

Time-->





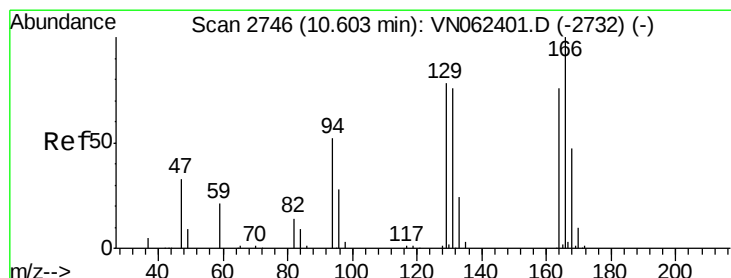
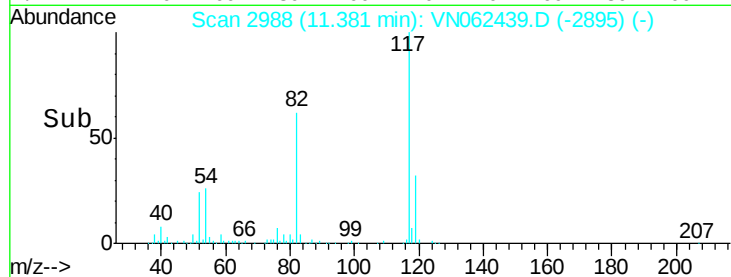
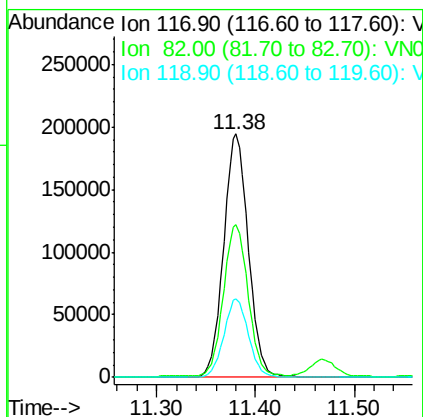
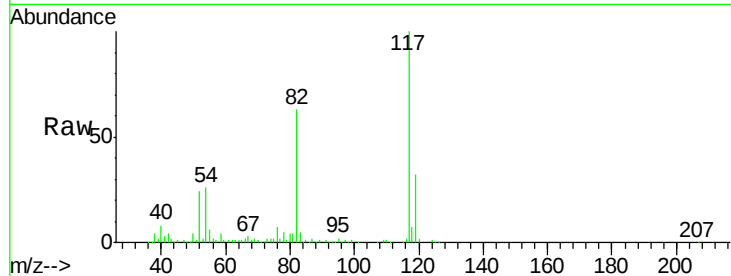
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062439.D
Acq: 9 Jul 2020 5:11

Instrument :
MSVOA_N
ClientSampled :
MW-3

Tot Ion	Ratio	Resp	Lower	Upper
117	100	341765		
82	62.1	49.6	74.4	
119	32.5	25.4	38.0	

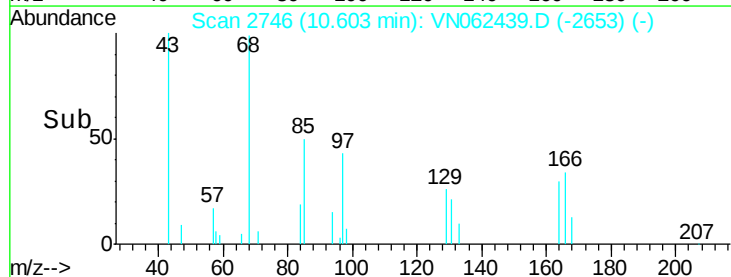
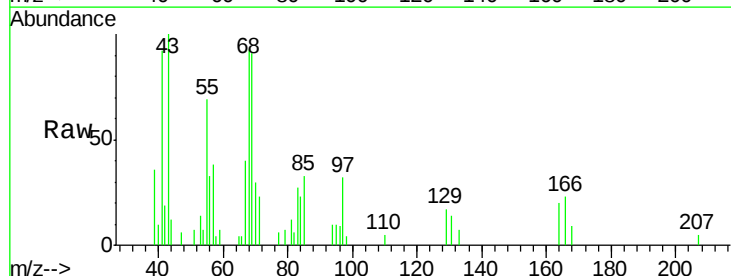
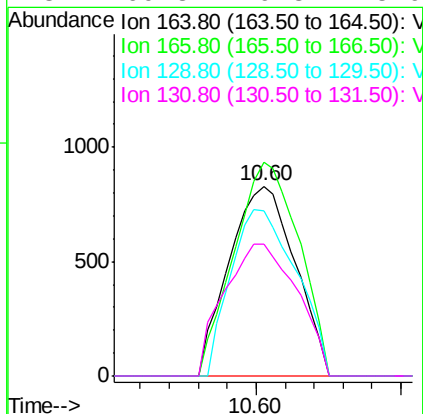
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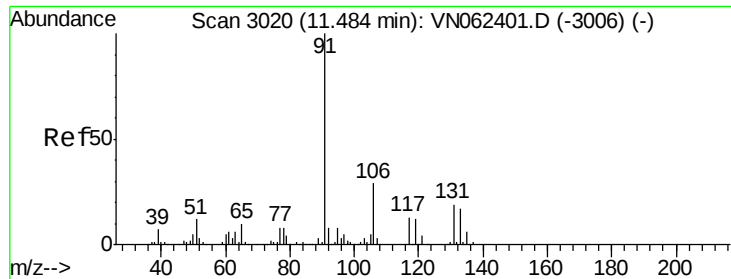
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#64
Tetrachloroethene
Concen: 0.647 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN062439.D
Acq: 9 Jul 2020 5:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	1312		
166	112.5	104.9	157.3	
129	86.9	81.8	122.6	
131	69.3	79.3	118.9	





#67

Ethyl Benzene

Concen: 471.561 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. -0.00 min

Lab File: VN062439.D

Acq: 9 Jul 2020 5:11

Instrument :

MSVOA_N

ClientSampled :

MW-3

Tot Ion: 91 Resp: 5879486

Ion Ratio Lower Upper

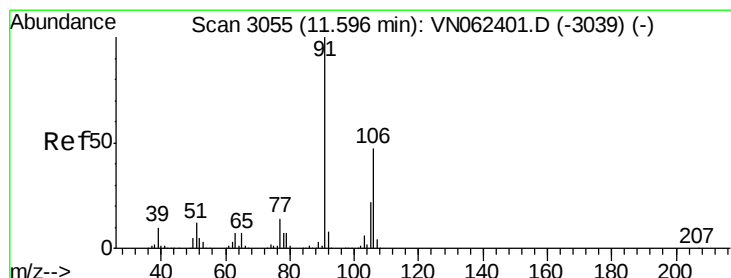
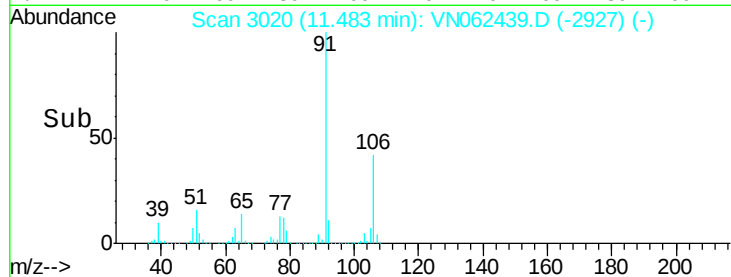
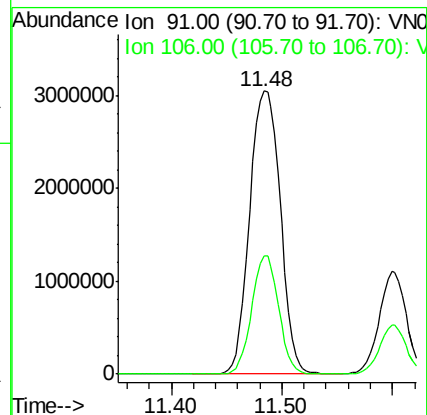
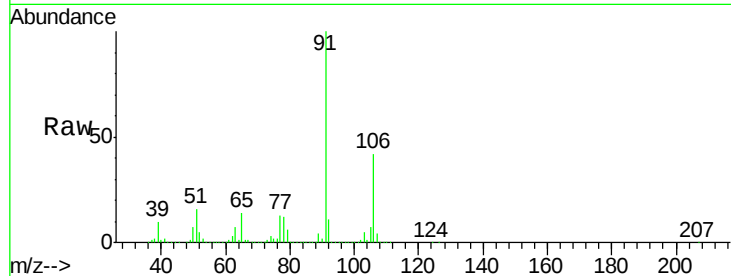
91 100

106 41.8 23.4 35.2#

Manual Integrations
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#68

m/p-Xylenes

Concen: 202.958 ug/l

RT: 11.60 min Scan# 3056

Delta R.T. 0.00 min

Lab File: VN062439.D

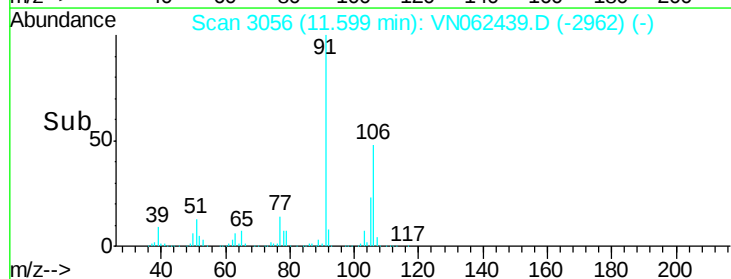
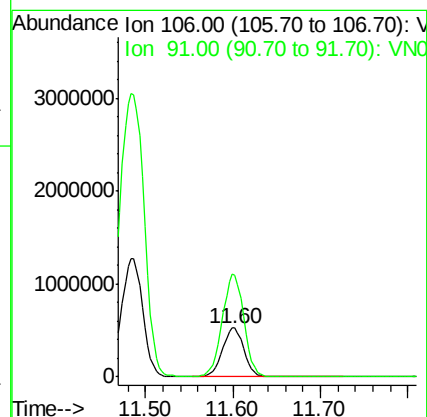
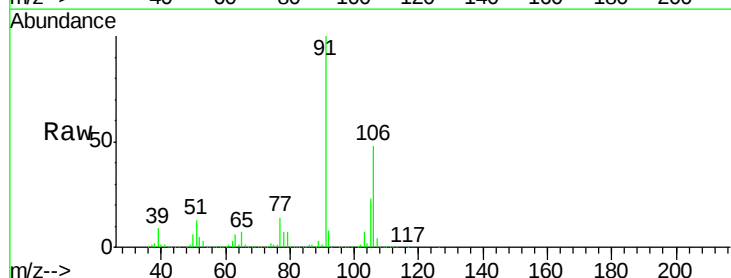
Acq: 9 Jul 2020 5:11

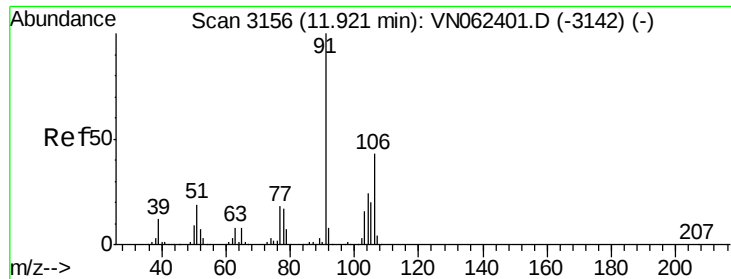
Tgt Ion: 106 Resp: 895818

Ion Ratio Lower Upper

106 100

91 211.3 172.4 258.6





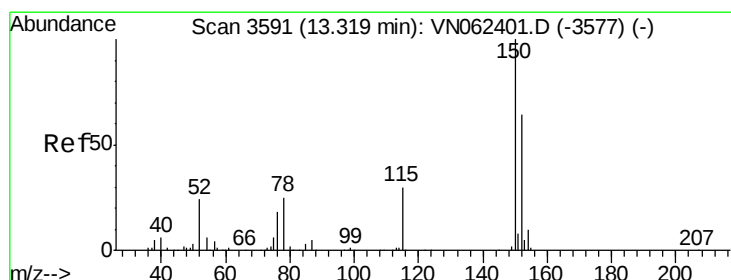
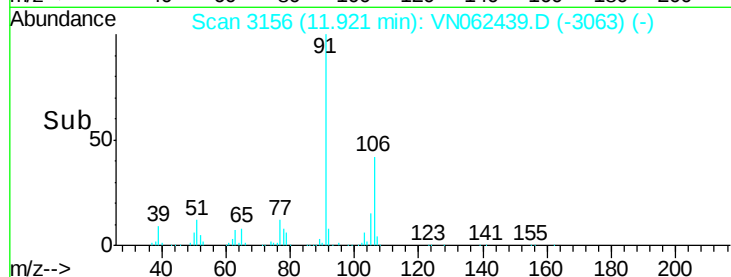
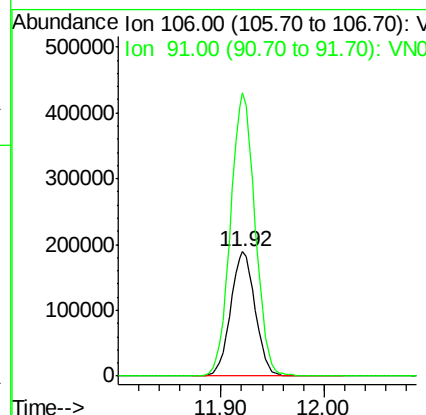
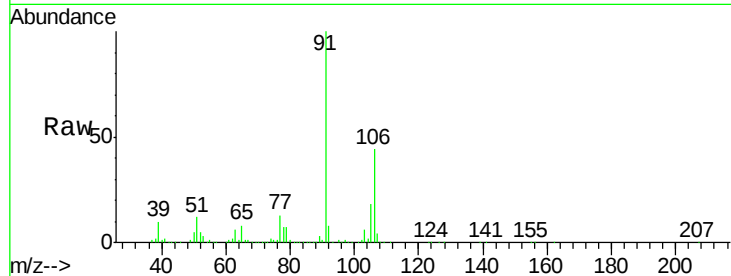
#69
o-Xylene
Concen: 72.826 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. -0.00 min
Lab File: VN062439.D
Acq: 9 Jul 2020 5:11

Instrument :
MSVOA_N
ClientSampled :
MW-3

Tot Ion:106 Resp: 312970
Ion Ratio Lower Upper
106 100
91 227.3 113.8 341.4

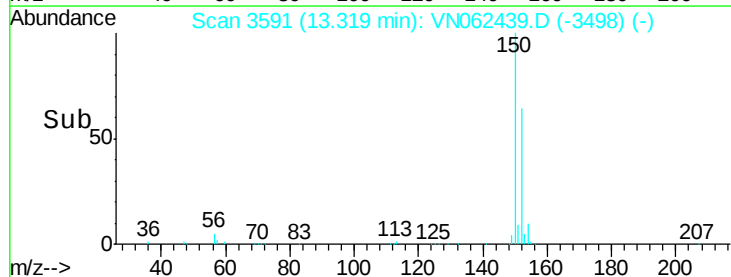
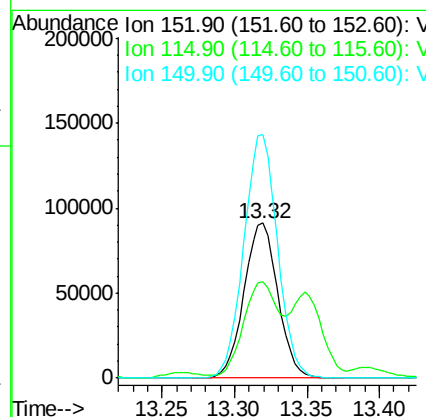
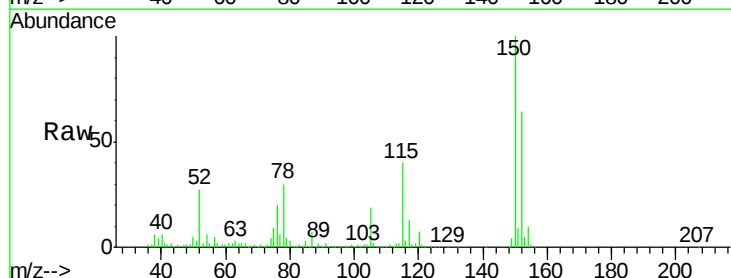
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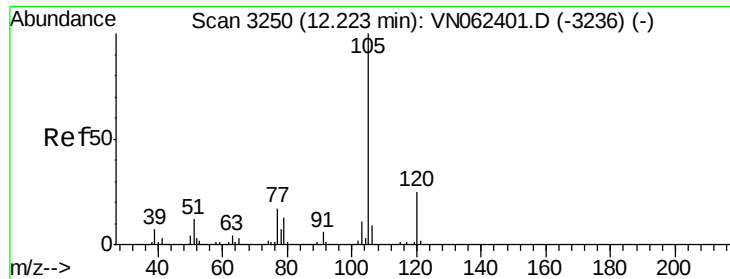
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. -0.00 min
Lab File: VN062439.D
Acq: 9 Jul 2020 5:11

Tgt Ion:152 Resp: 148382
Ion Ratio Lower Upper
152 100
115 63.5 31.4 94.2
150 156.6 0.0 347.4





#73

Isopropylbenzene

Concen: 34.590 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN062439.D

Acq: 9 Jul 2020 5:11

Instrument :

MSVOA_N

ClientSampled :

MW-3

Tot Ion:105 Resp: 397172

Ion Ratio Lower Upper

105 100

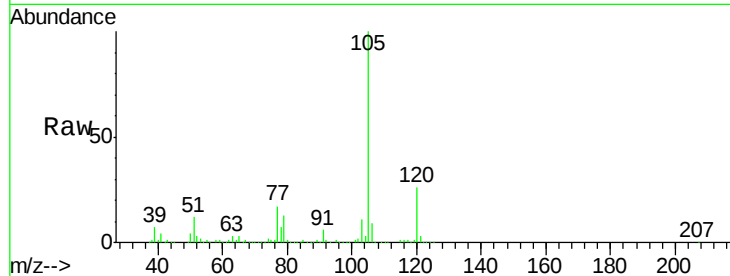
120 26.0 12.7 38.1

Manual Integrations

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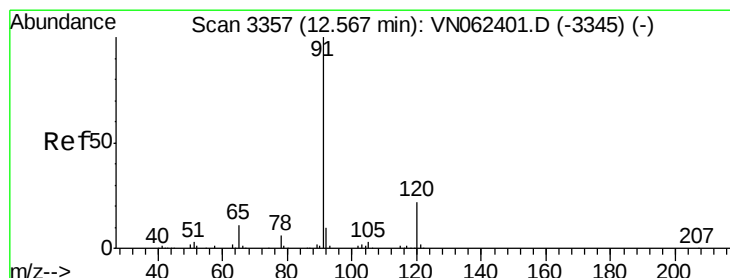
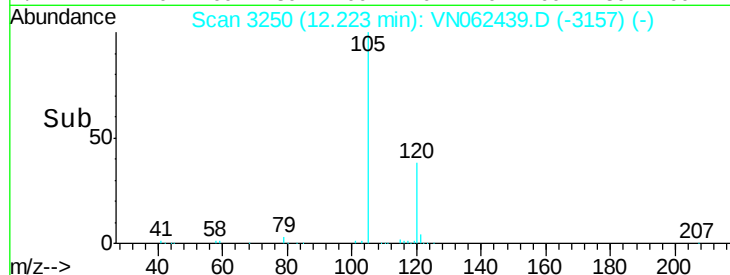
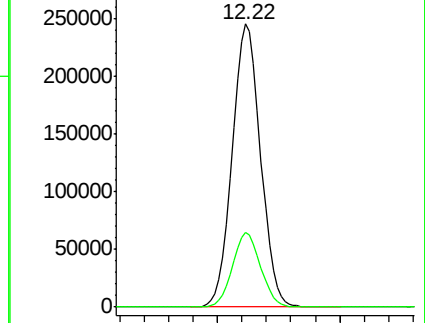
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 78.746 ug/l

RT: 12.56 min Scan# 3356

Delta R.T. -0.00 min

Lab File: VN062439.D

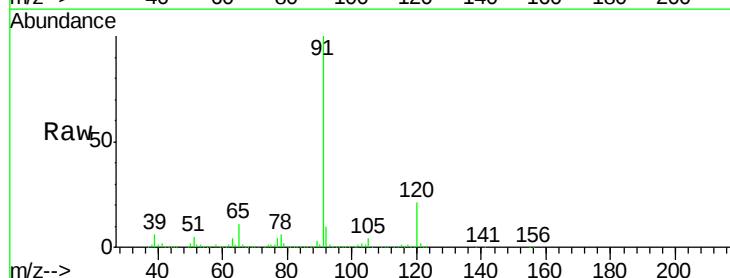
Acq: 9 Jul 2020 5:11

Tgt Ion: 91 Resp: 1056173

Ion Ratio Lower Upper

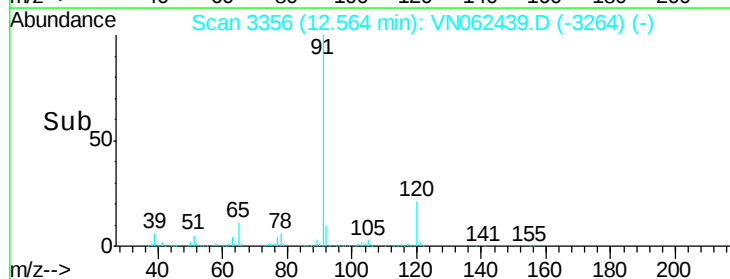
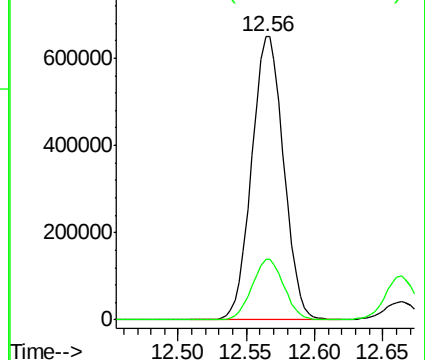
91 100

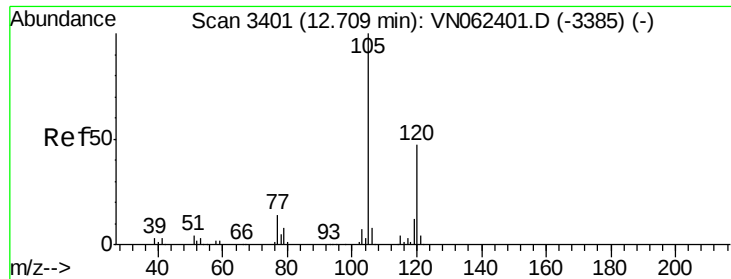
120 21.3 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 8.867 ug/l

RT: 12.71 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN062439.D

Acq: 9 Jul 2020 5:11

Instrument :

MSVOA_N

ClientSampled :

MW-3

Tot Ion:105 Resp: 83464

Ion Ratio Lower Upper

105 100

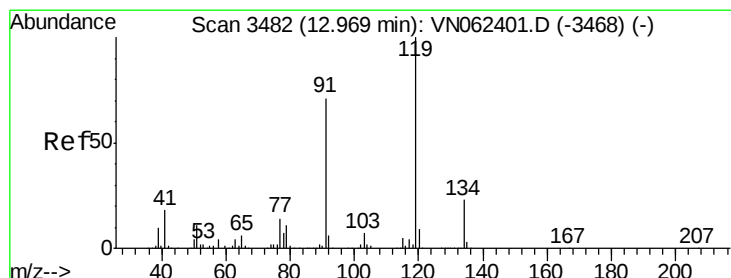
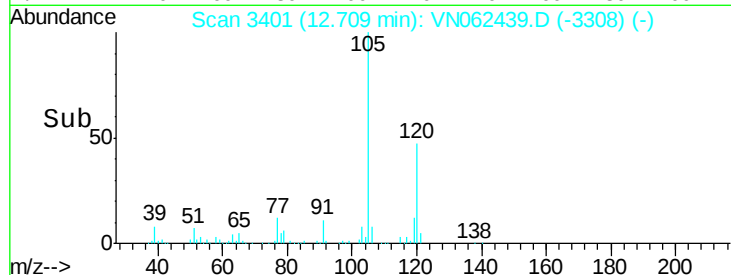
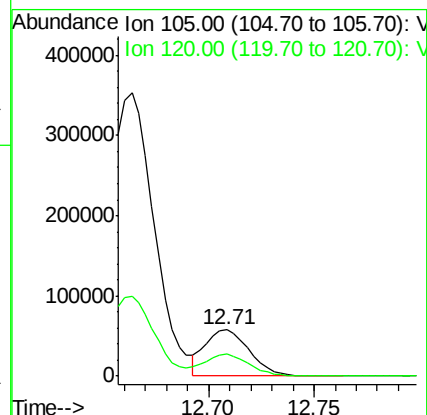
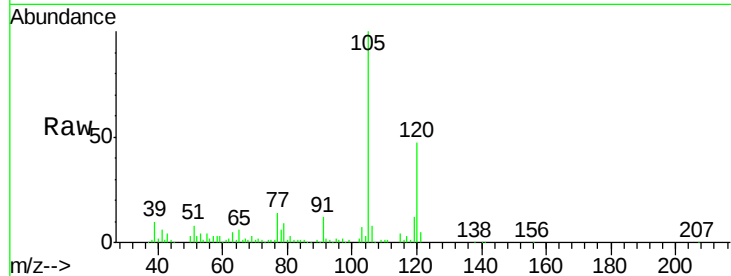
120 50.5 23.4 70.2

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#83

tert-Butylbenzene

Concen: 0.618 ug/l m

RT: 12.97 min Scan# 3482

Delta R.T. 0.00 min

Lab File: VN062439.D

Acq: 9 Jul 2020 5:11

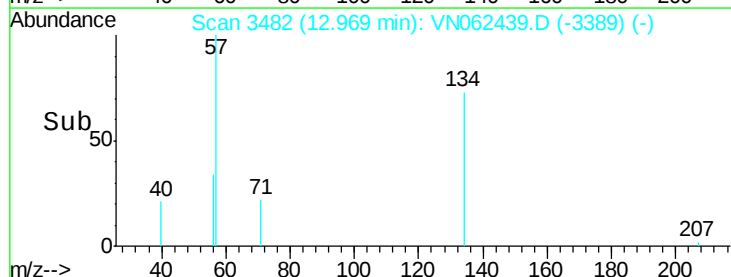
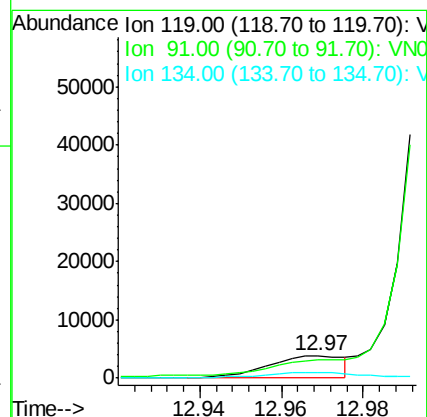
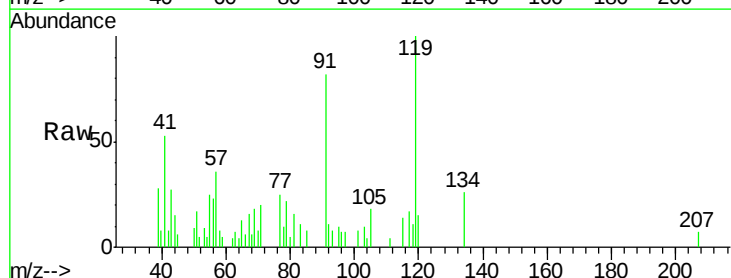
Tgt Ion:119 Resp: 4933

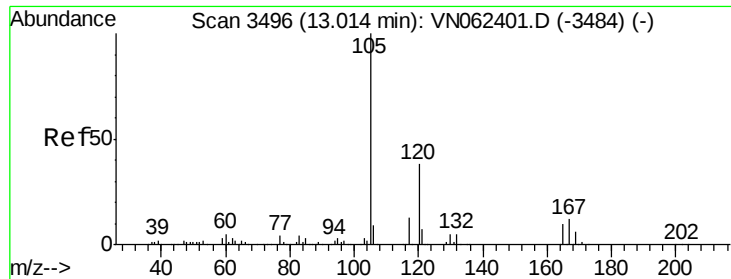
Ion Ratio Lower Upper

119 100

91 16607.6 34.8 104.3#

134 0.0 11.7 35.0#





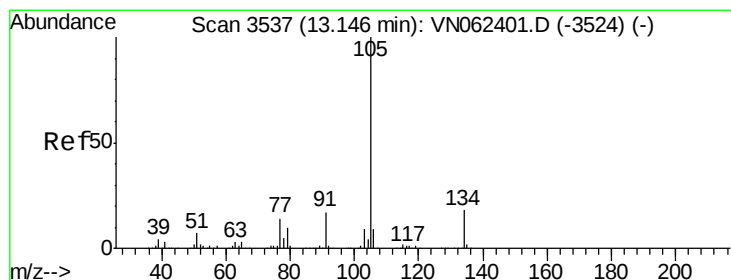
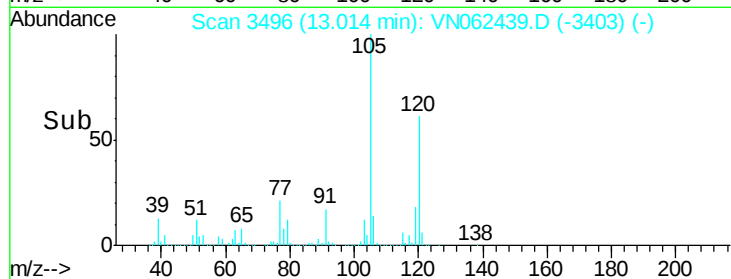
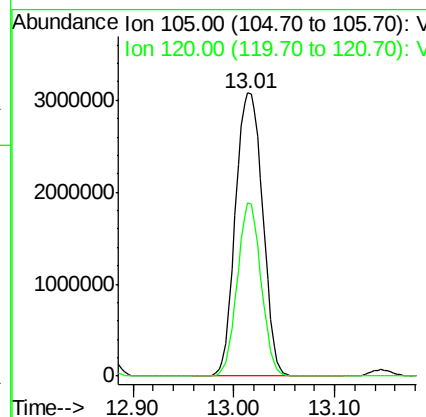
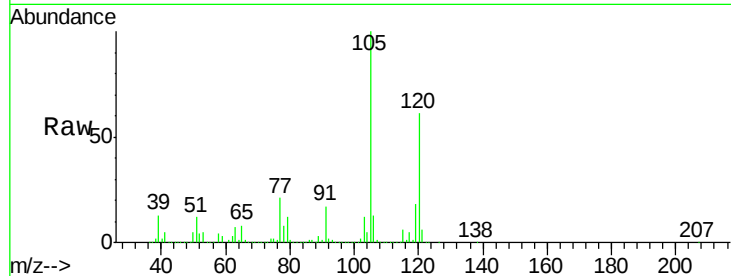
#84
 1,2,4-Trimethylbenzene
 Concen: 617.283 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN062439.D
 Acq: 9 Jul 2020 5:11

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3

Tot Ion:105 Resp: 5775376
 Ion Ratio Lower Upper
 105 100
 120 53.5 21.6 64.8

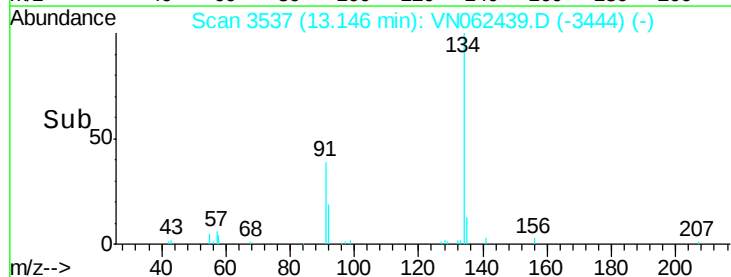
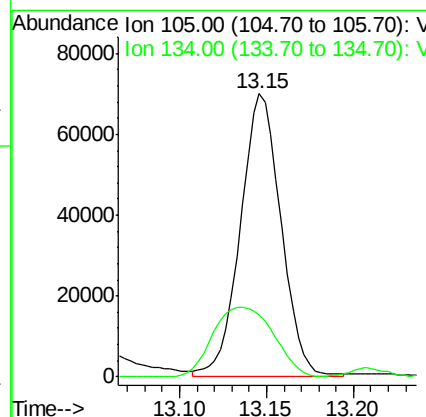
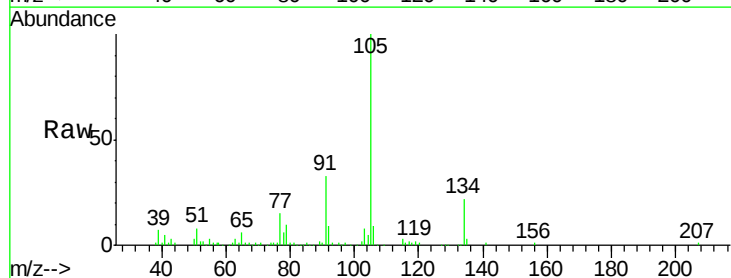
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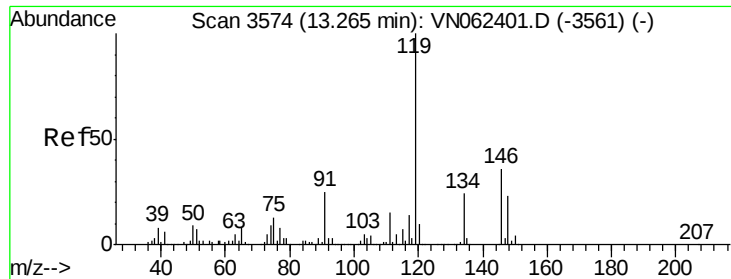
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#85
 sec-Butylbenzene
 Concen: 10.756 ug/l m
 RT: 13.15 min Scan# 3537
 Delta R.T. -0.00 min
 Lab File: VN062439.D
 Acq: 9 Jul 2020 5:11

Tgt Ion:105 Resp: 113855
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.3 28.0#





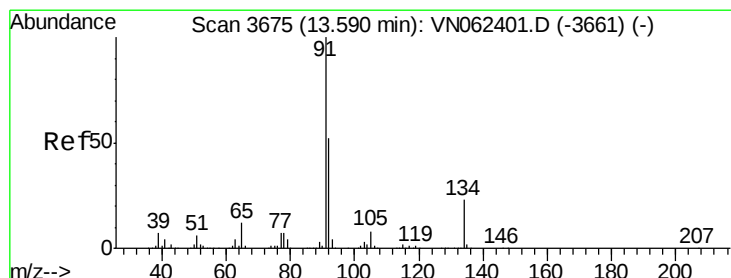
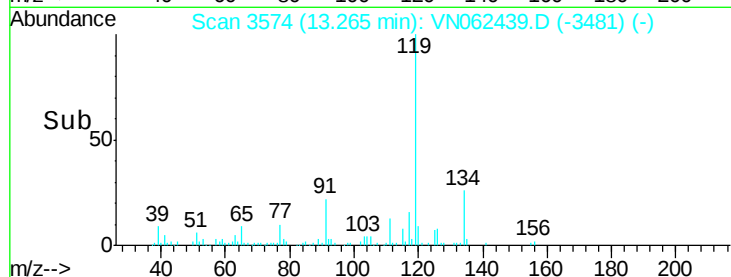
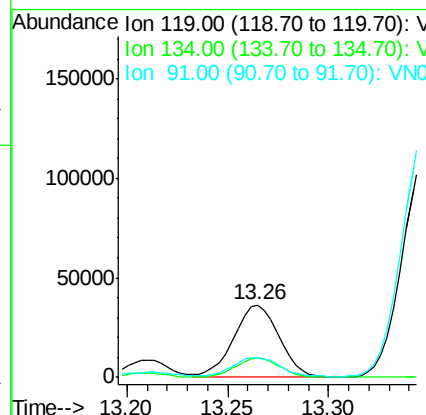
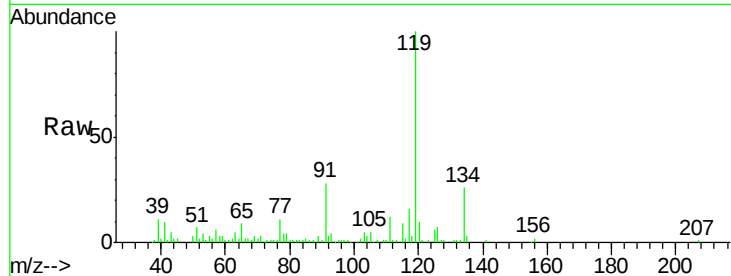
#86
 p-Isopropyltoluene
 Concen: 6.195 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. -0.00 min
 Lab File: VN062439.D
 Acq: 9 Jul 2020 5:11

Instrument :
 MSVOA_N
 ClientSampled :
 MW-3

Tot Ion	Ratio	Resp	Lower	Upper
119	100	56598		
134	26.0		12.4	37.0
91	0.0		12.4	37.4#

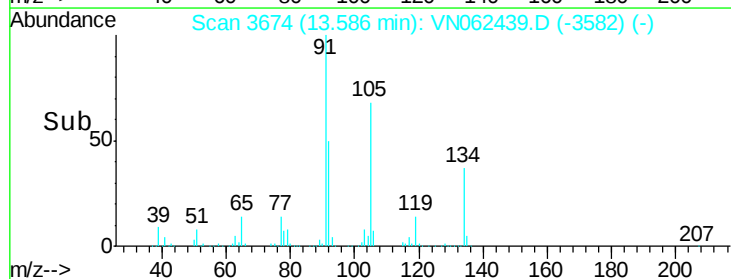
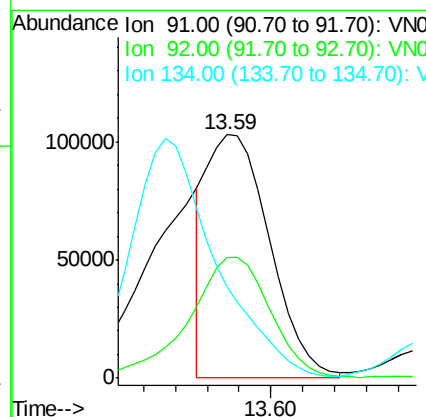
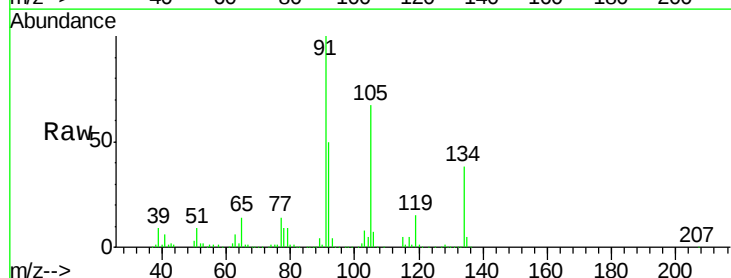
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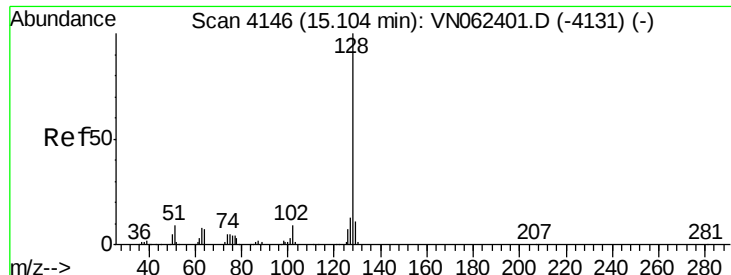
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#89
 n-Butylbenzene
 Concen: 17.583 ug/l m
 RT: 13.59 min Scan# 3674
 Delta R.T. -0.00 min
 Lab File: VN062439.D
 Acq: 9 Jul 2020 5:11

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	141838		
92	63.4		25.9	77.7
134	0.0		11.6	34.8#





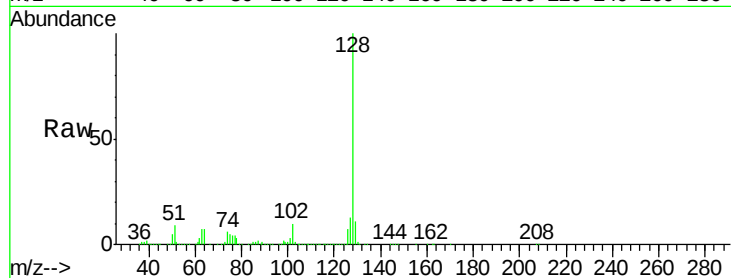
#95
Naphthalene
Concen: 268.038 ug/l
RT: 15.10 min Scan# 4146
Delta R.T. 0.00 min
Lab File: VN062439.D
Acq: 9 Jul 2020 5:11

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.2
129	10.9	8.6	12.8

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Abundance Ion 128.00 (127.70 to 128.70): V
2000000
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

