

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111720\
 Data File : VN064677.D
 Acq On : 17 Nov 2020 13:55
 Operator : JC/MD
 Sample : L4772-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-4

Manual Integrations
 APPROVED

MMDadoda
 11/18/2020 5:15:16 PM

Quant Time: Nov 18 14:40:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 12:09:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	220982	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	442110	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	503323	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	294907	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	217711	56.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.12%	
35) Dibromofluoromethane	7.55	113	161936	53.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.60%	
50) Toluene-d8	10.06	98	592811	50.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.90%	
62) 4-Bromofluorobenzene	12.37	95	281966	64.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	128.16%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.04	50	2099	0.601	ug/l	96
11) Tert butyl alcohol	4.75	59	7443	17.534	ug/l #	80
16) Acetone	3.78	43	8200	5.593	ug/l #	89
27) cis-1,2-Dichloroethene	6.78	96	32936	10.592	ug/l	86
39) Methylcyclohexane	9.04	83	14907	3.560	ug/l	87
64) Tetrachloroethene	10.60	164	2804	0.723	ug/l	93
67) Ethyl Benzene	11.48	91	1824641	92.968	ug/l	99
68) m/p-Xylenes	11.60	106	436177	61.280	ug/l	98
69) o-Xylene	11.92	106	44773	6.510	ug/l	90
73) Isopropylbenzene	12.22	105	2227519	95.030	ug/l	100
78) n-propylbenzene	12.56	91	4046551	151.423	ug/l	99
80) 1,3,5-Trimethylbenzene	12.71	105	718149	37.138	ug/l	99
83) tert-Butylbenzene	12.97	119	274674	18.187	ug/l	97
84) 1,2,4-Trimethylbenzene	13.02	105	11548978m	594.100	ug/l	
85) sec-Butylbenzene	13.14	105	1306094	68.284	ug/l #	76
86) p-Isopropyltoluene	13.26	119	377323	21.932	ug/l	99
89) n-Butylbenzene	13.59	91	708602	47.903	ug/l #	77
95) Naphthalene	15.10	128	1250028	75.306	ug/l	100

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

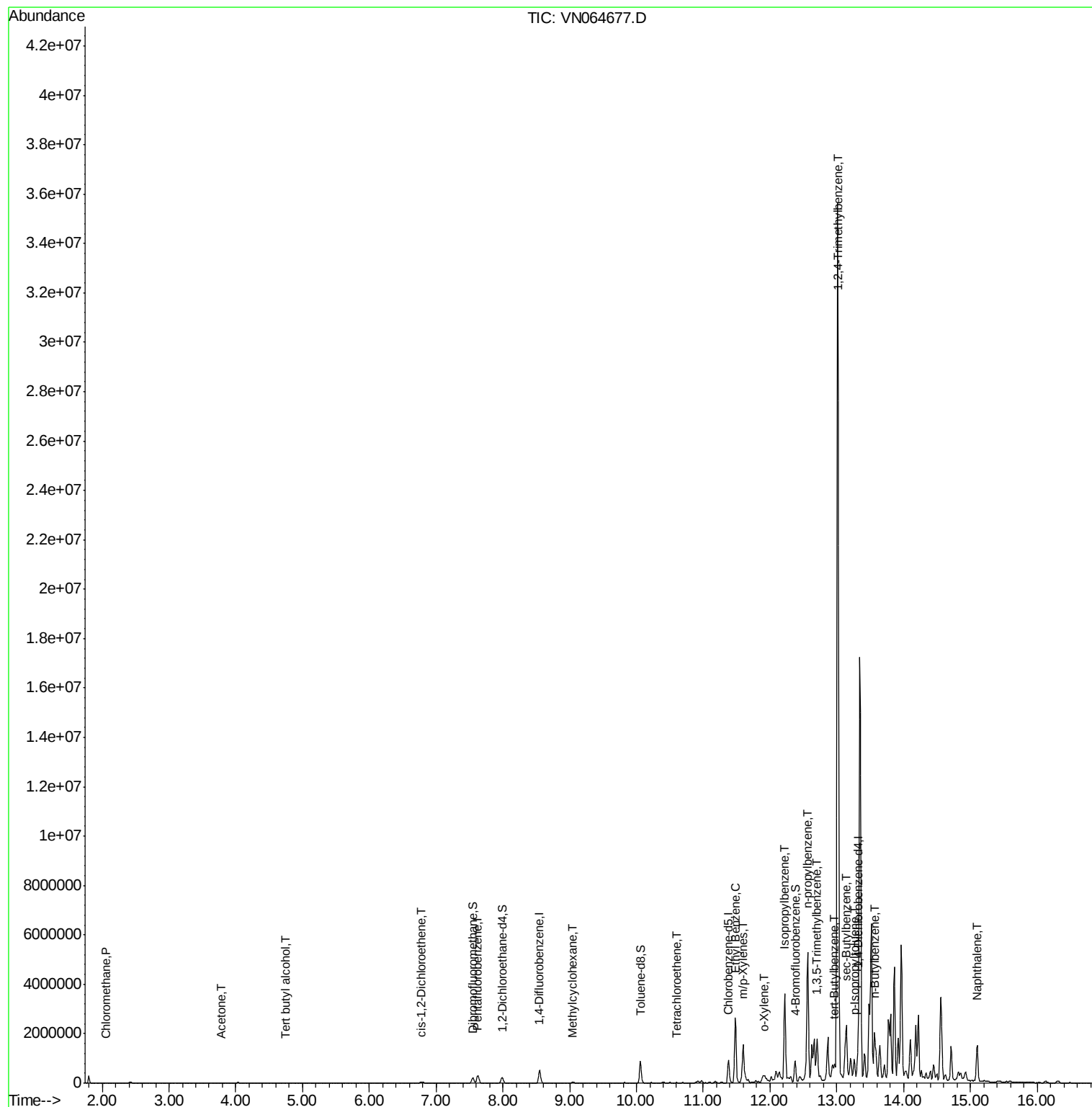
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111720\
Data File : VN064677.D
Acq On : 17 Nov 2020 13:55
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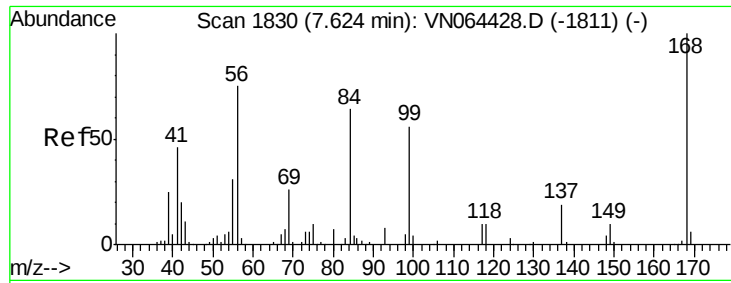
Instrument :
MSVOA_N
ClientSampleId :
MW-4

Manual Integrations
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Quant Time: Nov 18 14:40:07 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110420W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 04 12:09:03 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064677.D

Acq: 17 Nov 2020 13:55

Instrument :

MSVOA_N

ClientSampleId :

MW-4

Tot Ion:168 Resp: 220982

Ion Ratio Lower Upper

168 100

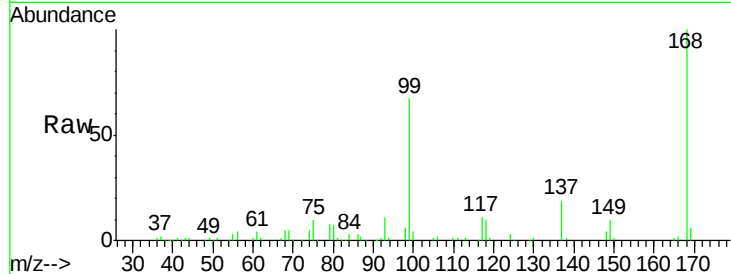
99 66.6 53.4 80.2

Manual Integrations

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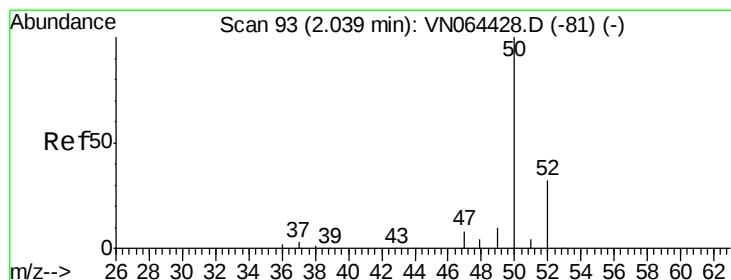
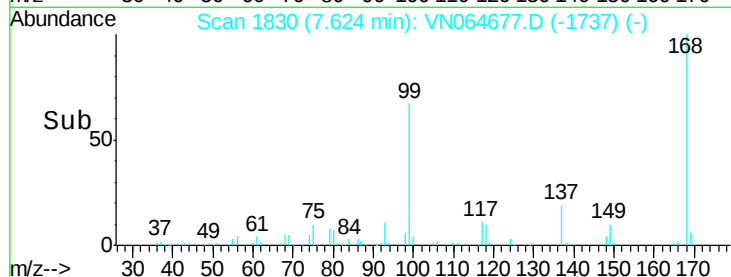
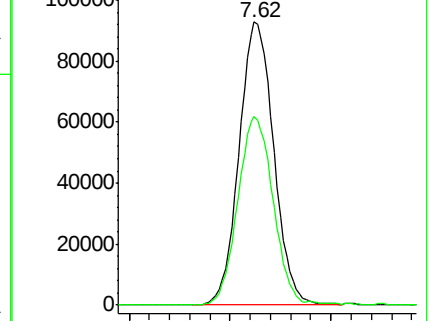
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: 0.601 ug/l

RT: 2.04 min Scan# 93

Delta R.T. -0.00 min

Lab File: VN064677.D

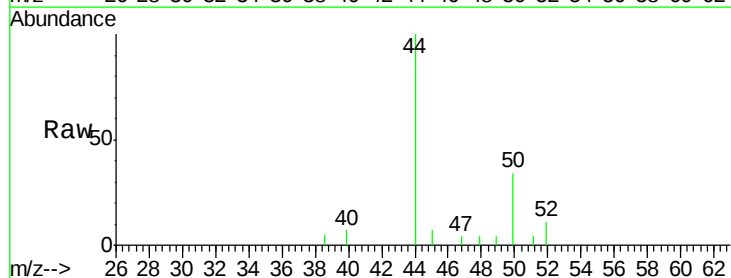
Acq: 17 Nov 2020 13:55

Tgt Ion: 50 Resp: 2099

Ion Ratio Lower Upper

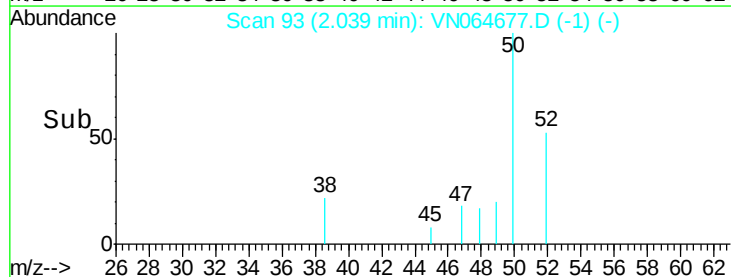
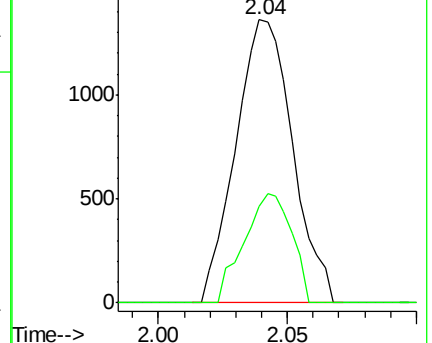
50 100

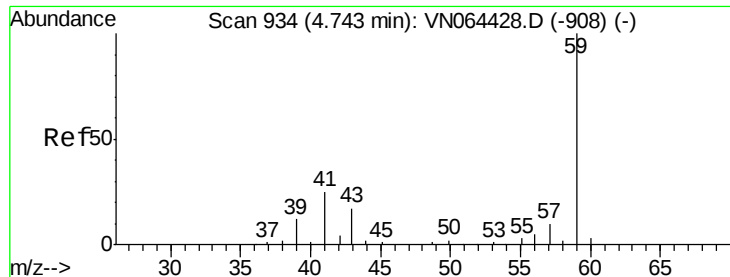
52 34.0 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





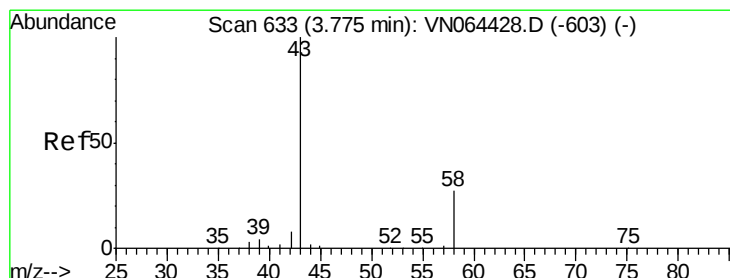
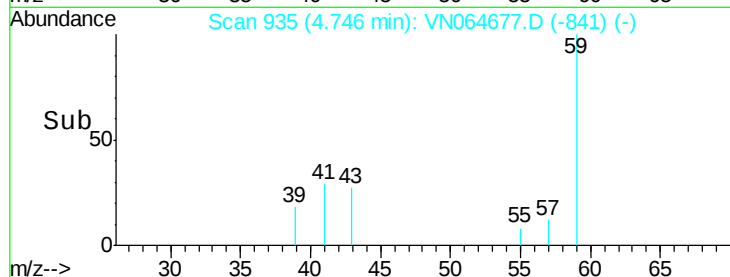
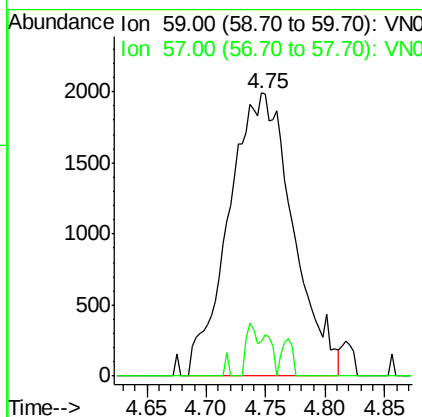
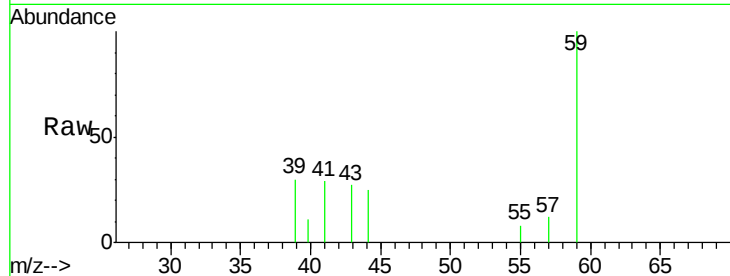
#11
Tert butyl alcohol
Concen: 17.534 ug/l
RT: 4.75 min Scan# 935
Delta R.T. 0.00 min
Lab File: VN064677.D
Acq: 17 Nov 2020 13:55

Instrument :
MSVOA_N
ClientSampled :
MW-4

Tot Ion	Ratio	Lower	Upper
59	100		
57	3.7	9.0	13.4#

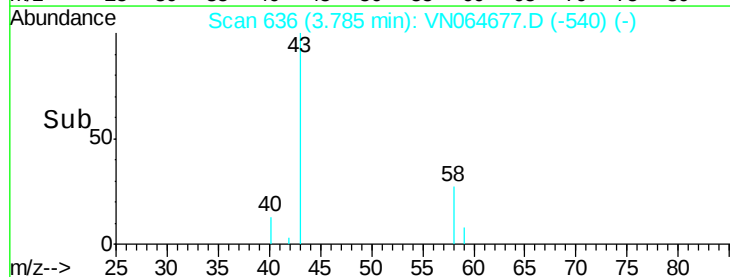
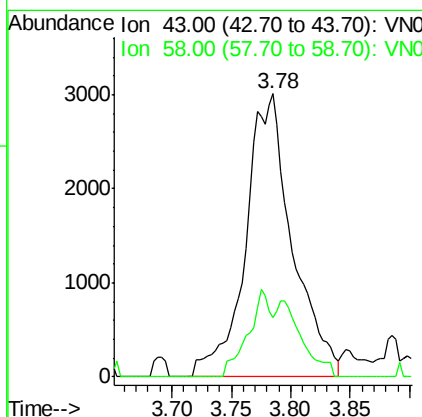
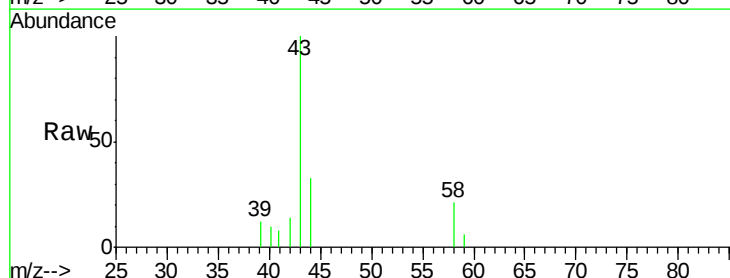
Manual Integrations
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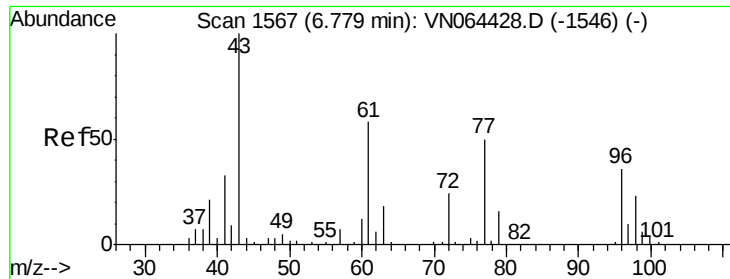
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#16
Acetone
Concen: 5.593 ug/l
RT: 3.78 min Scan# 636
Delta R.T. 0.01 min
Lab File: VN064677.D
Acq: 17 Nov 2020 13:55

Tgt Ion	Ratio	Lower	Upper
43	100		
58	21.2	21.4	32.0#





#27

cis-1,2-Dichloroethene

Concen: 10.592 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064677.D

Acq: 17 Nov 2020 13:55

Instrument :

MSVOA_N

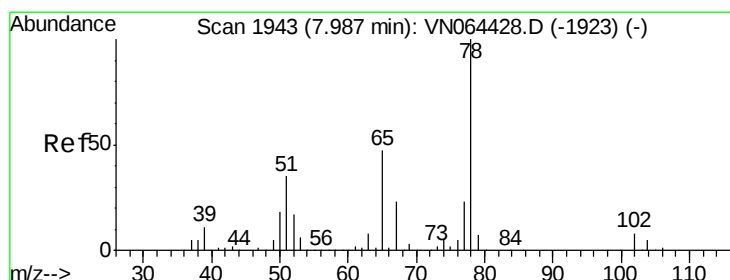
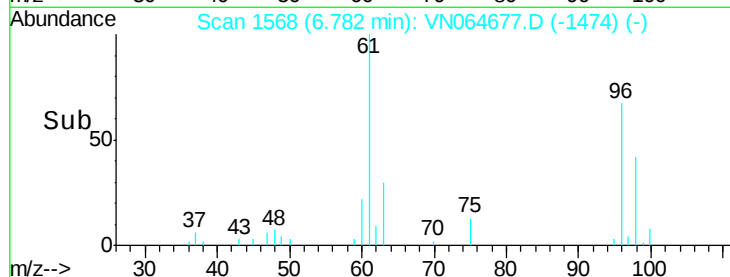
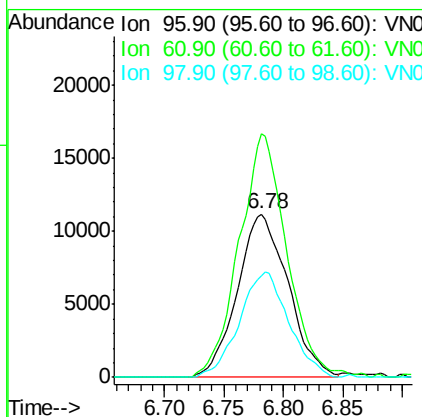
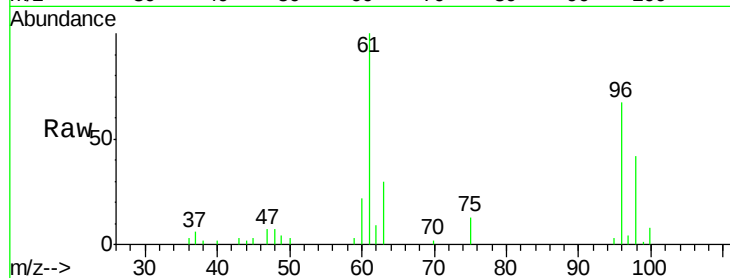
ClientSampled :

MW-4

Tot Ion	Ratio	Resp	Lower	Upper
96	100	32936		
61	140.1	0.0	329.6	
98	62.8	0.0	131.2	

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#33

1,2-Dichloroethane-d4

Concen: 56.561 ug/l

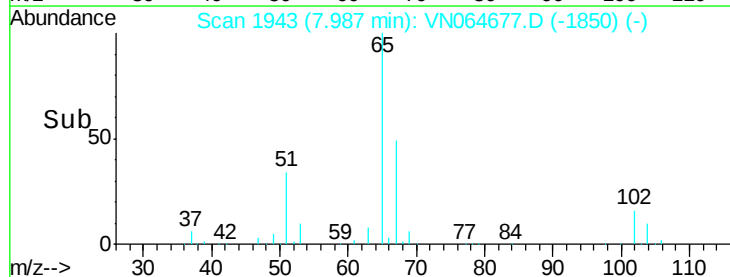
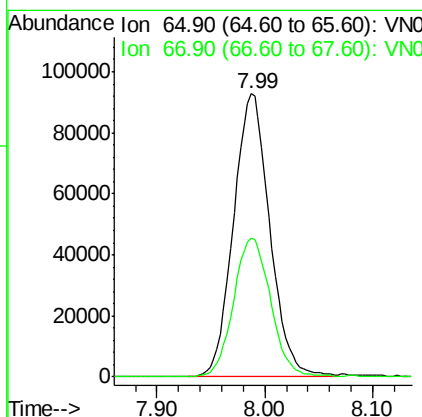
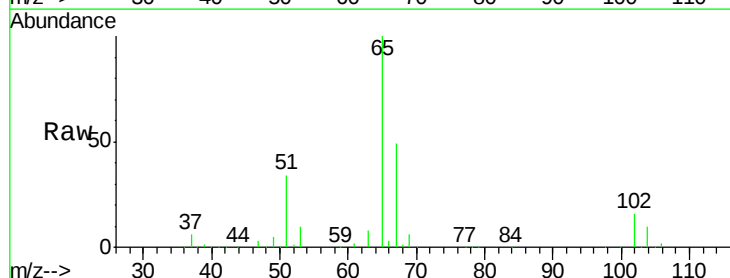
RT: 7.99 min Scan# 1943

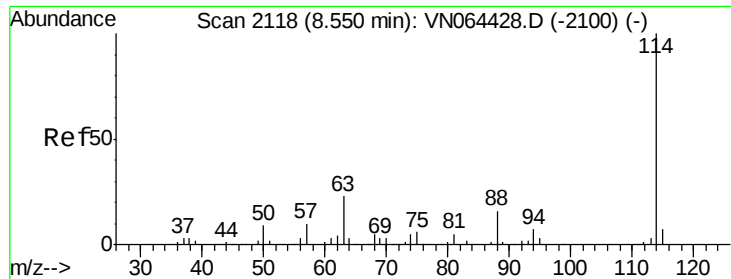
Delta R.T. -0.00 min

Lab File: VN064677.D

Acq: 17 Nov 2020 13:55

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	217711		
67	50.1	0.0	101.6	





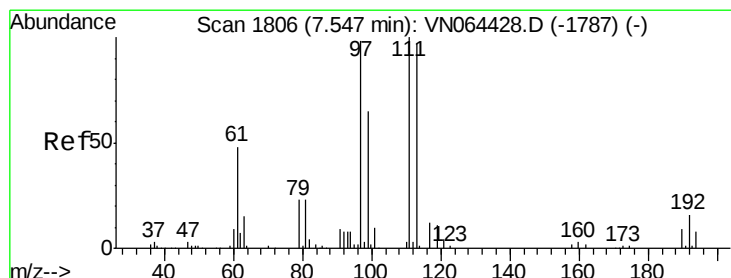
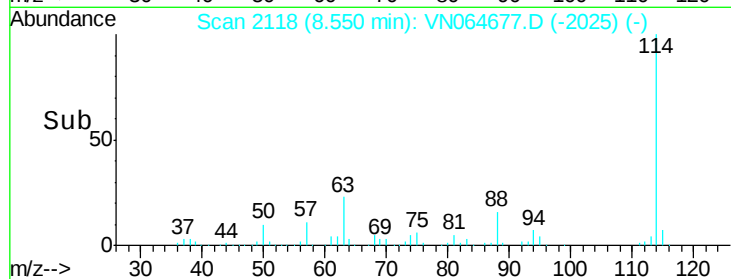
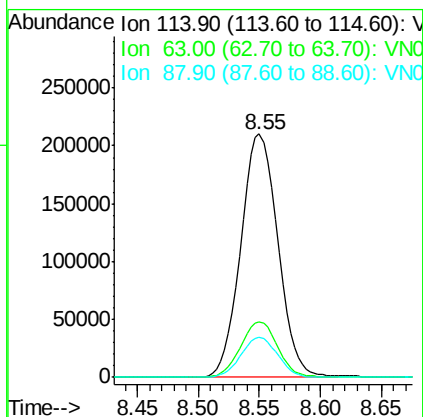
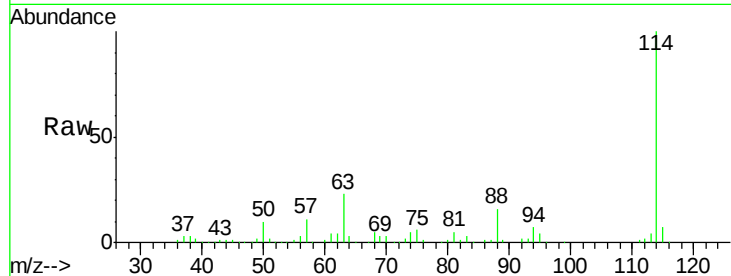
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VN064677.D
Acq: 17 Nov 2020 13:55

Instrument :
MSVOA_N
ClientSampled :
MW-4

Tot Ion	Ratio	Resp	Lower	Upper
114	100	442110		
63	22.6	0.0	45.6	
88	16.5	0.0	32.8	

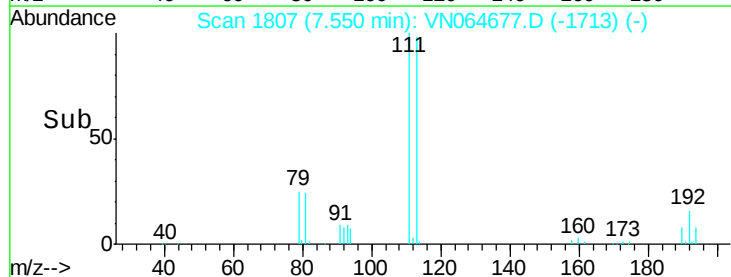
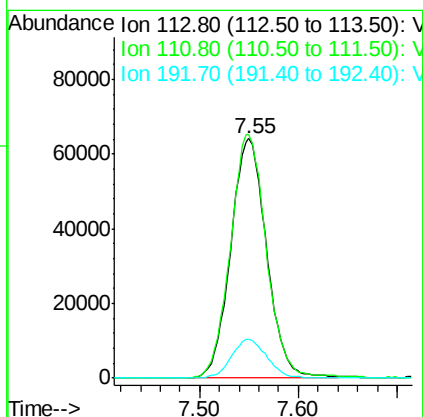
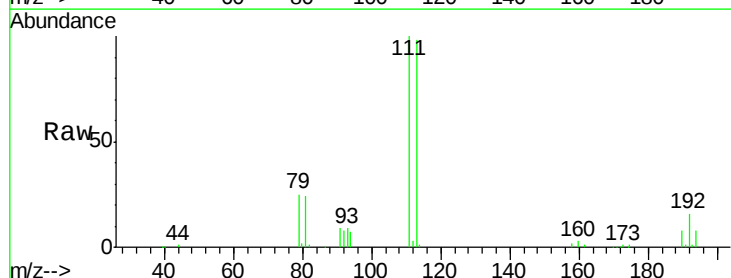
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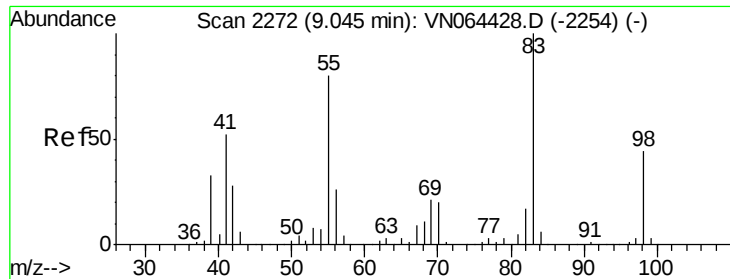
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#35
Dibromofluoromethane
Concen: 53.796 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064677.D
Acq: 17 Nov 2020 13:55

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	161936		
111	101.6	81.1	121.7	
192	16.0	12.8	19.2	





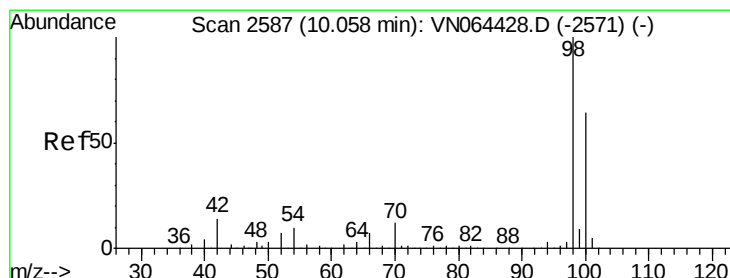
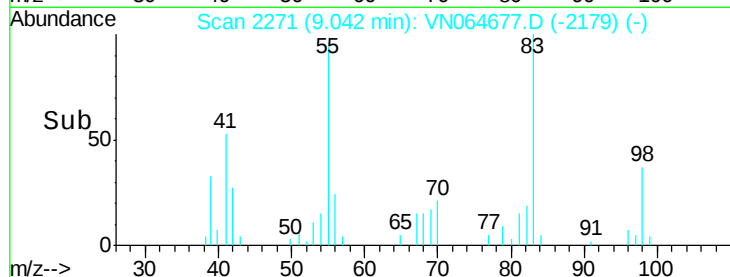
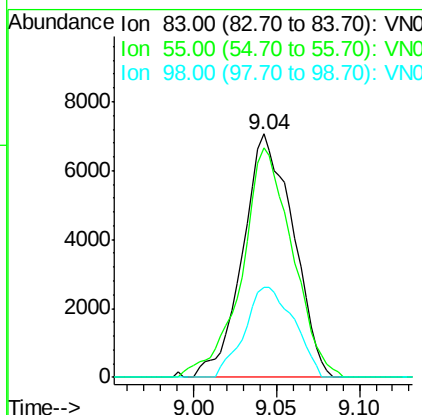
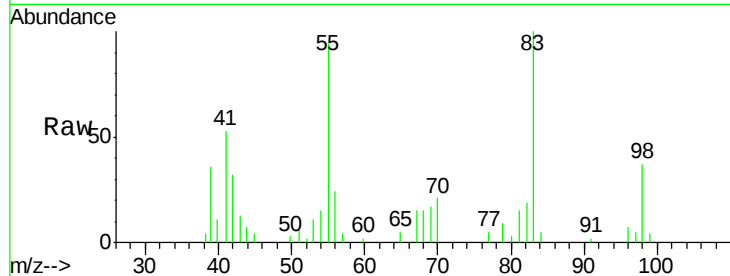
#39
Methvlcvclohexane
Concen: 3.560 ug/l
RT: 9.04 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN064677.D
Acq: 17 Nov 2020 13:55

Instrument :
MSVOA_N
ClientSampleId :
MW-4

Tot Ion	Ratio	Lower	Upper
83	100		
55	92.0	63.8	95.6
98	37.0	35.4	53.2

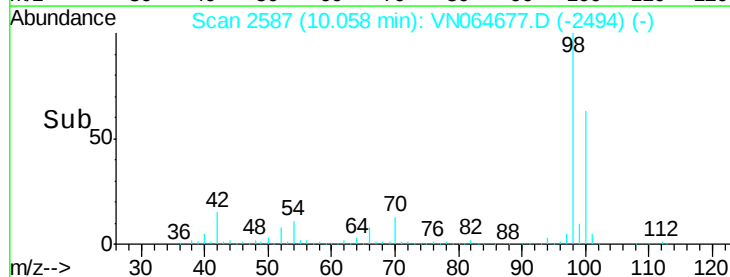
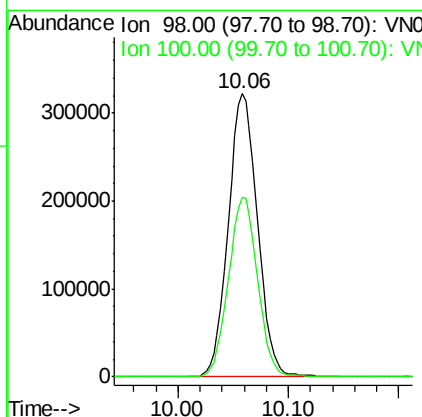
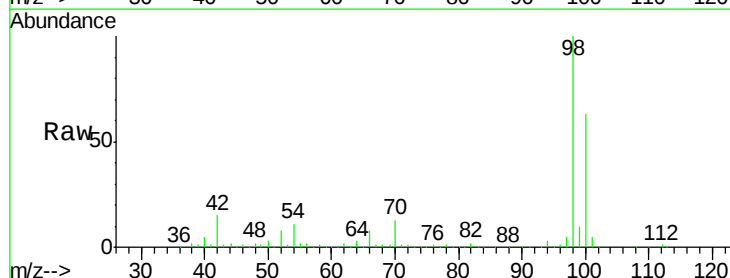
Manual Integrations
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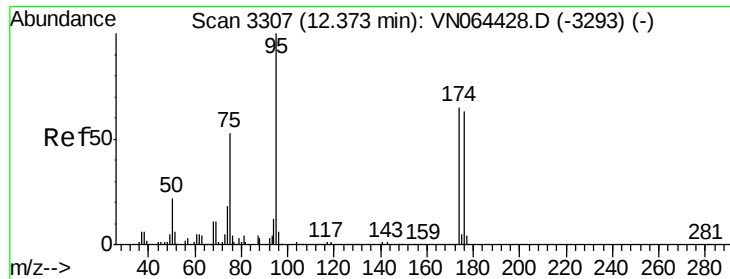
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#50
Toluene-d8
Concen: 50.954 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN064677.D
Acq: 17 Nov 2020 13:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	50.7	76.1





#62

4-Bromofluorobenzene

Concen: 64.084 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.00 min

Lab File: VN064677.D

Acq: 17 Nov 2020 13:55

Instrument :

MSVOA_N

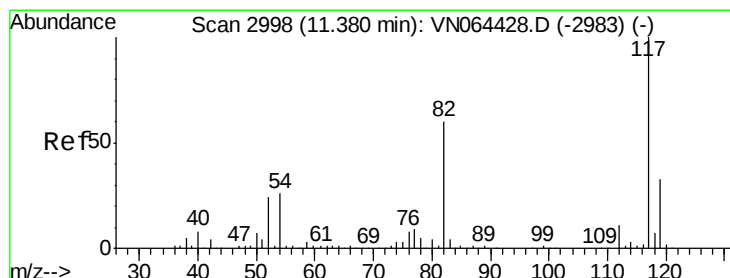
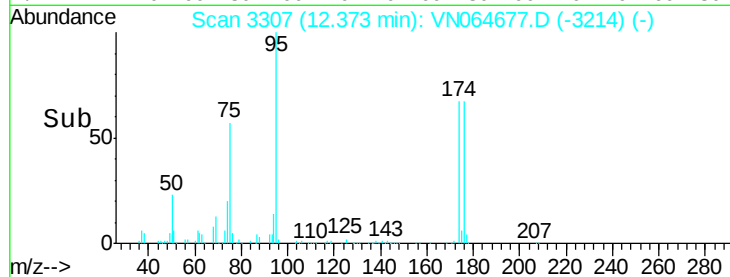
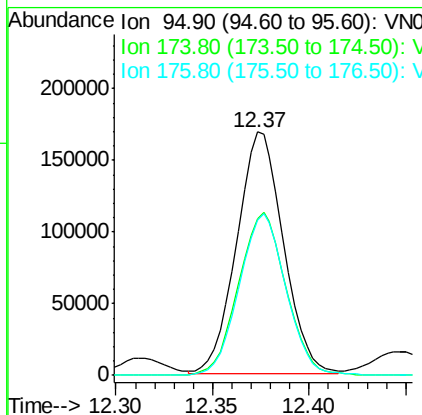
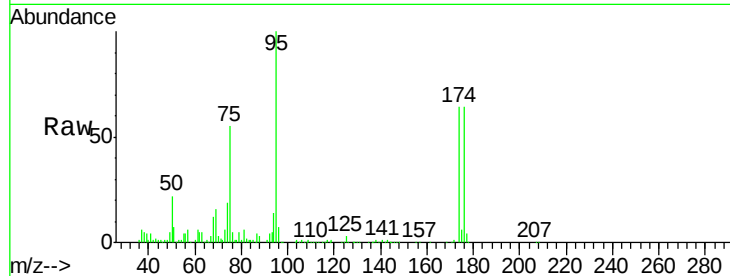
ClientSampled :

MW-4

Tot Ion:	95	Resp:	281966
Ion Ratio	Lower	Upper	
95	100		
174	68.9	0.0	132.6
176	67.5	0.0	129.2

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

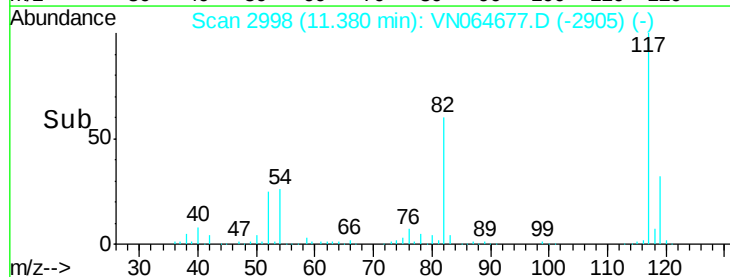
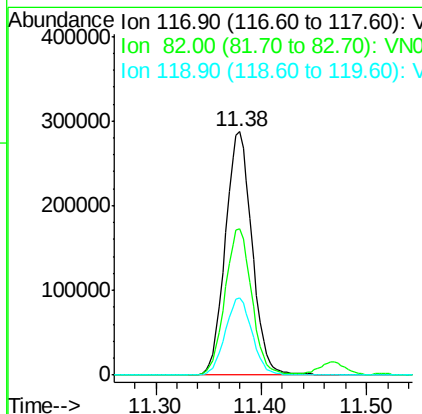
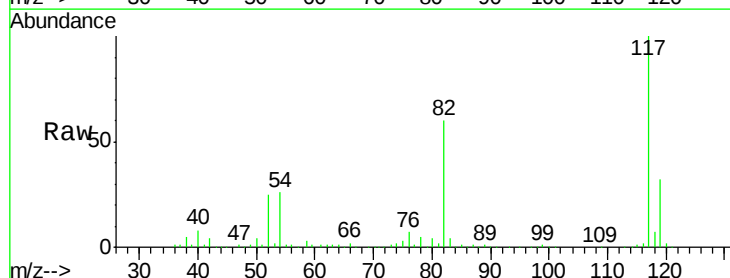
RT: 11.38 min Scan# 2998

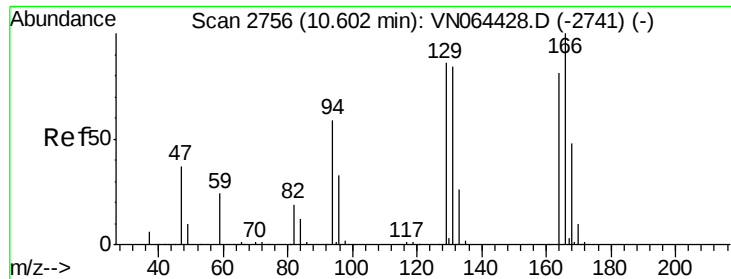
Delta R.T. -0.00 min

Lab File: VN064677.D

Acq: 17 Nov 2020 13:55

Tgt Ion:	117	Resp:	503323
Ion Ratio	Lower	Upper	
117	100		
82	60.0	48.1	72.1
119	31.7	26.2	39.4





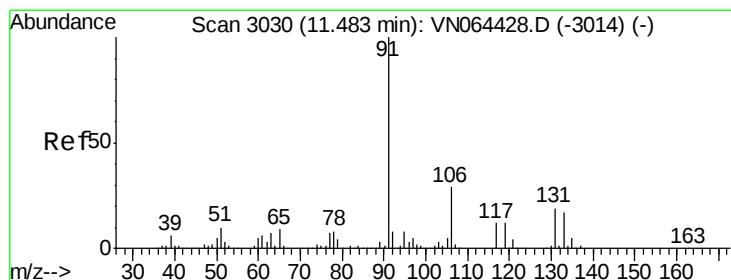
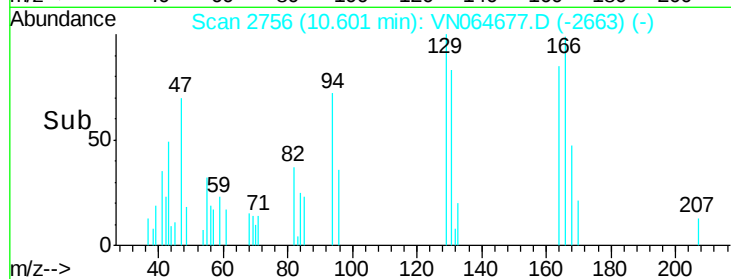
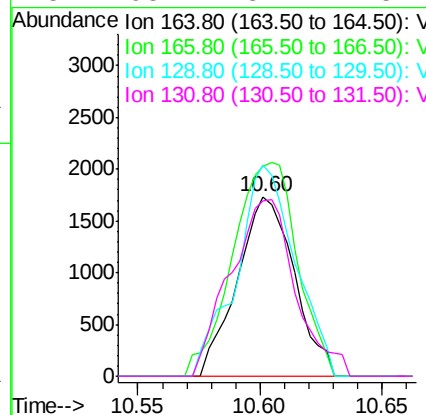
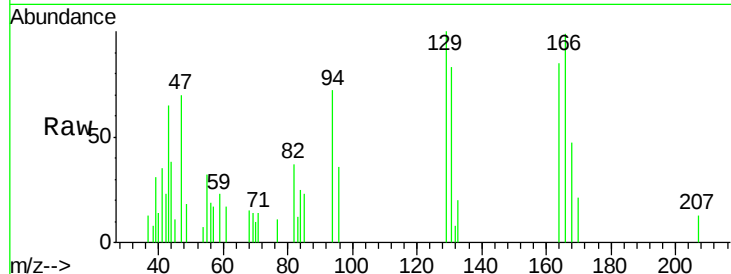
#64
Tetrachloroethene
Concen: 0.723 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN064677.D
Acq: 17 Nov 2020 13:55

Instrument :
MSVOA_N
ClientSampled :
MW-4

Tot Ion	Ratio	Lower	Upper
164	100		
166	117.0	98.2	147.2
129	118.1	84.6	127.0
131	98.2	82.2	123.2

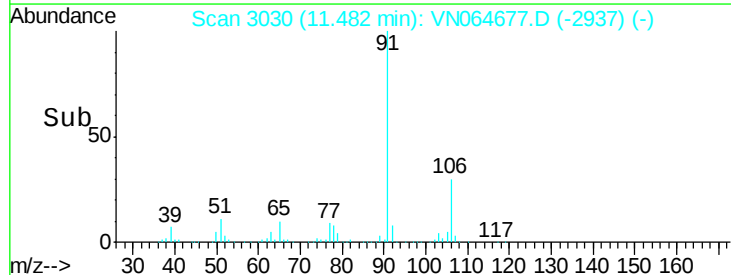
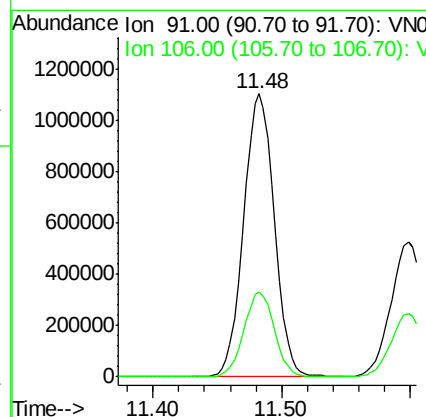
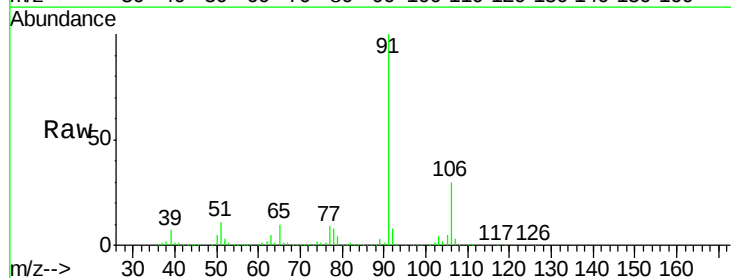
Manual Integrations
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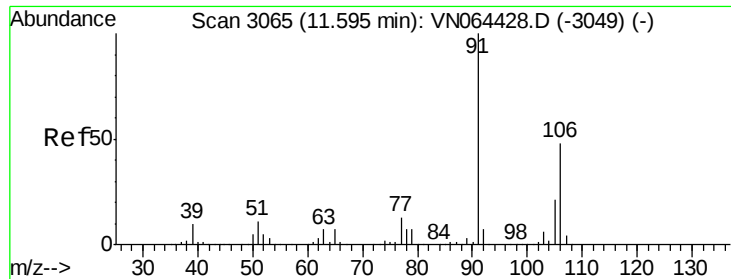
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11/18/2020 5:15:16 PM



#67
Ethyl Benzene
Concen: 92.968 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN064677.D
Acq: 17 Nov 2020 13:55

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.2	23.6	35.4





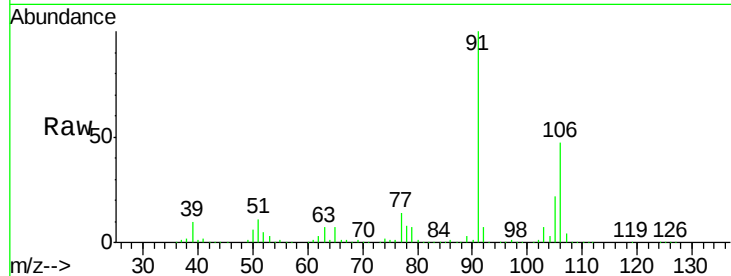
#68
m/p-Xylenes
Concen: 61.280 ug/l
RT: 11.60 min Scan# 3066
Delta R.T. 0.00 min
Lab File: VN064677.D
Acq: 17 Nov 2020 13:55

Instrument :
MSVOA_N
ClientSampleId :
MW-4

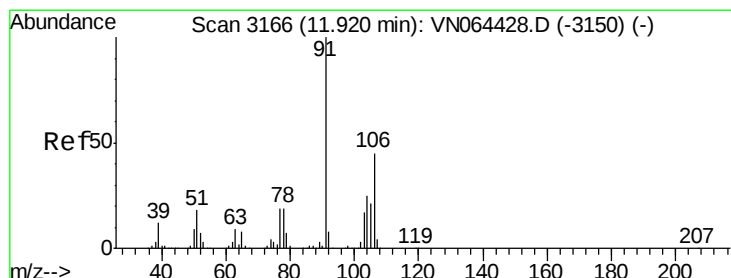
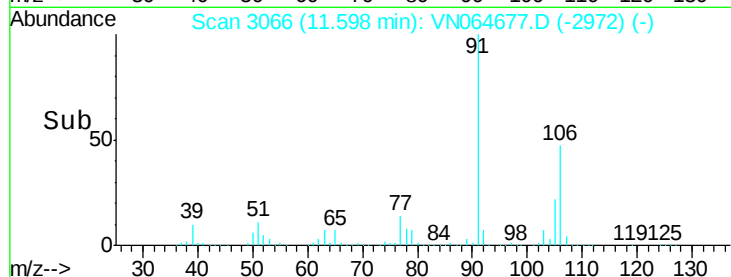
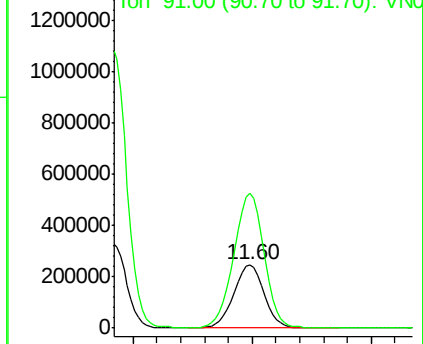
Tot Ion:106 Resp: 436177
Ion Ratio Lower Upper
106 100
91 214.8 169.4 254.2

Manual Integrations
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11/18/2020 5:15:16 PM

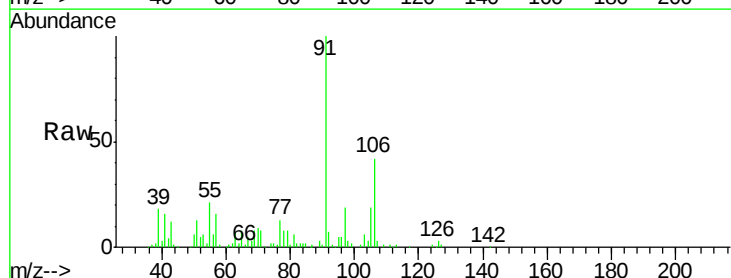


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

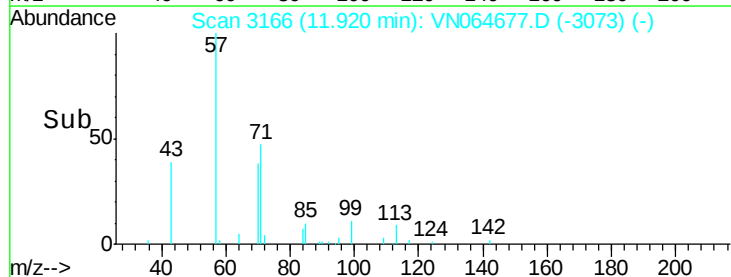
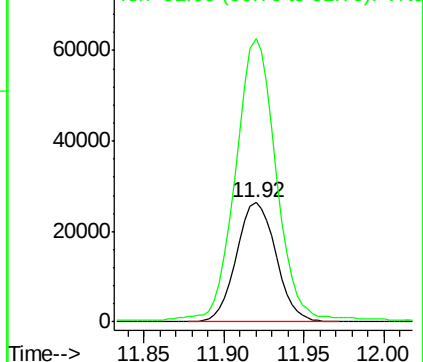


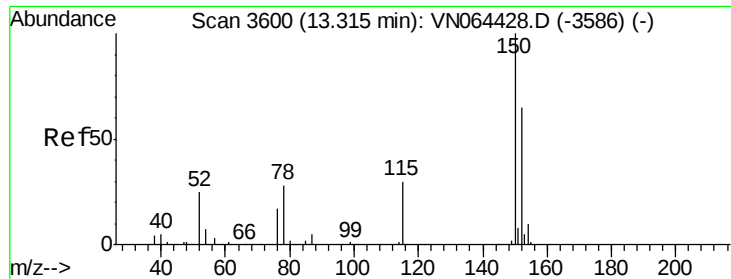
#69
o-Xylene
Concen: 6.510 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. -0.00 min
Lab File: VN064677.D
Acq: 17 Nov 2020 13:55

Tgt Ion:106 Resp: 44773
Ion Ratio Lower Upper
106 100
91 239.2 111.7 334.9



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064677.D

Acq: 17 Nov 2020 13:55

Instrument :

MSVOA_N

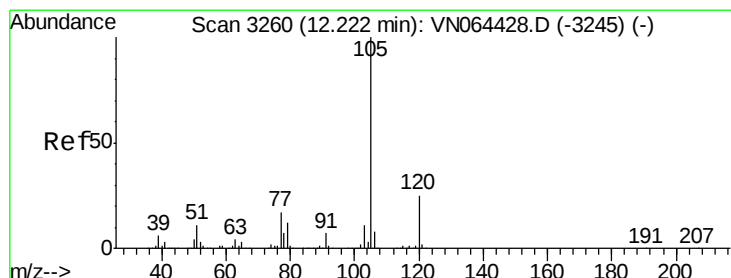
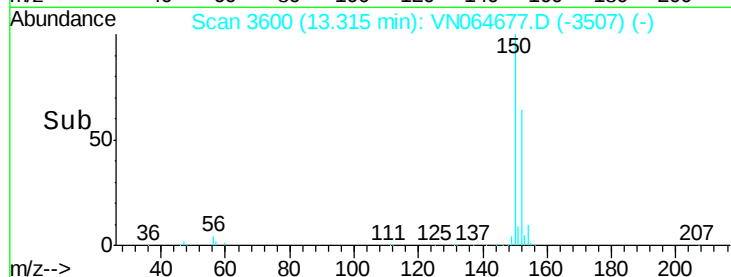
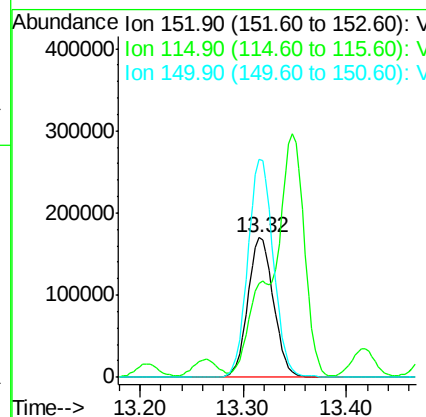
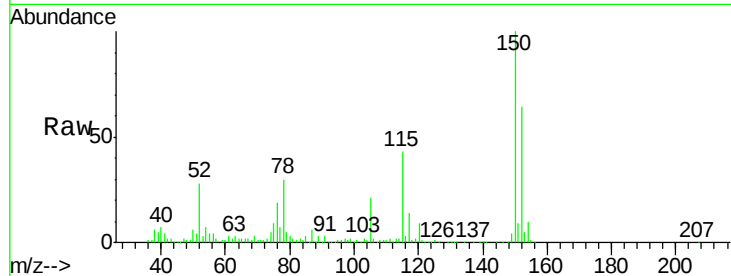
ClientSampled :

MW-4

Tot Ion:	152	Resp:	294907
Ion Ratio	Lower	Upper	
152	100		
115	53.9	32.0	96.0
150	155.1	0.0	353.8

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11/18/2020 5:15:16 PM



#73

Isopropylbenzene

Concen: 95.030 ug/l

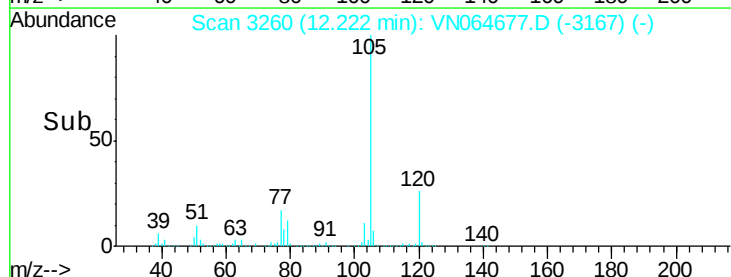
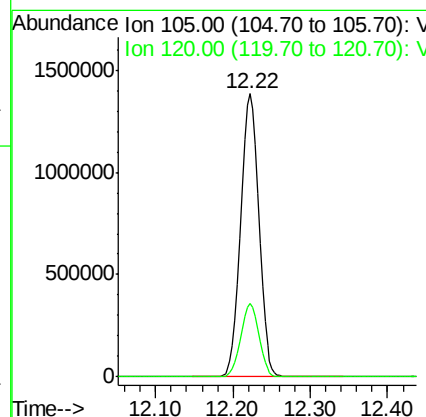
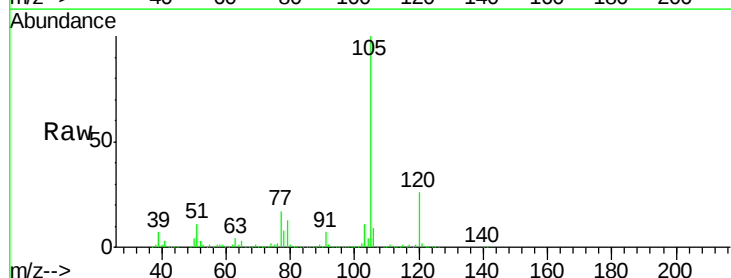
RT: 12.22 min Scan# 3260

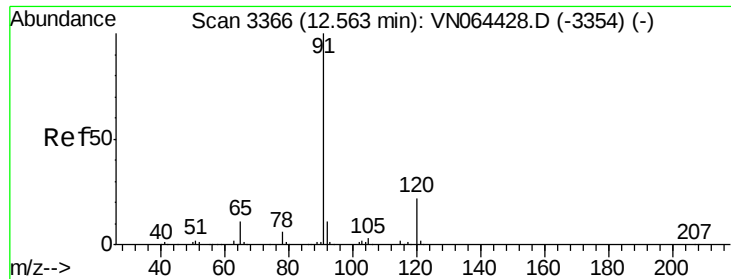
Delta R.T. -0.00 min

Lab File: VN064677.D

Acq: 17 Nov 2020 13:55

Tgt Ion:	105	Resp:	2227519
Ion Ratio	Lower	Upper	
105	100		
120	25.6	12.8	38.3





#78

n-propylbenzene

Concen: 151.423 ug/l

RT: 12.56 min Scan# 3366

Delta R.T. -0.00 min

Lab File: VN064677.D

Acq: 17 Nov 2020 13:55

Instrument :

MSVOA_N

ClientSampled :

MW-4

Tot Ion: 91 Resp: 4046551

Ion Ratio Lower Upper

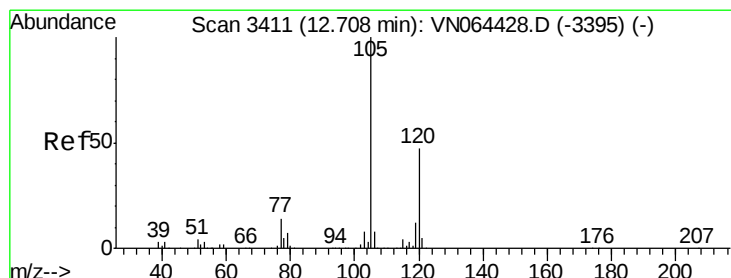
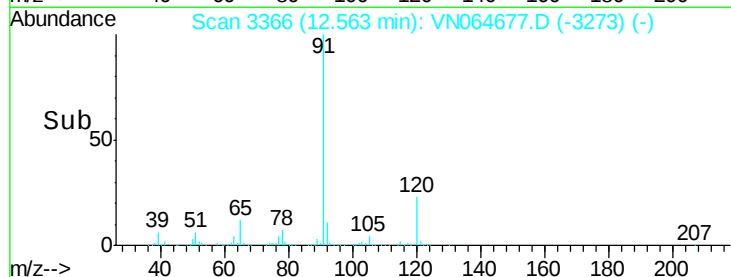
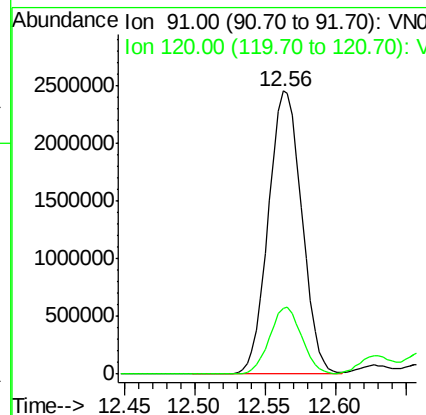
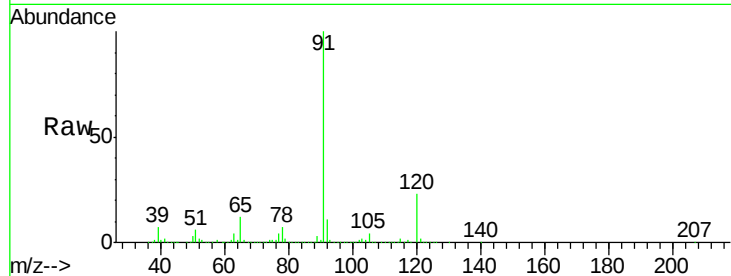
91 100

120 22.7 11.0 33.0

Manual Integrations
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11/18/2020 5:15:16 PM



#80

1,3,5-Trimethylbenzene

Concen: 37.138 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. -0.00 min

Lab File: VN064677.D

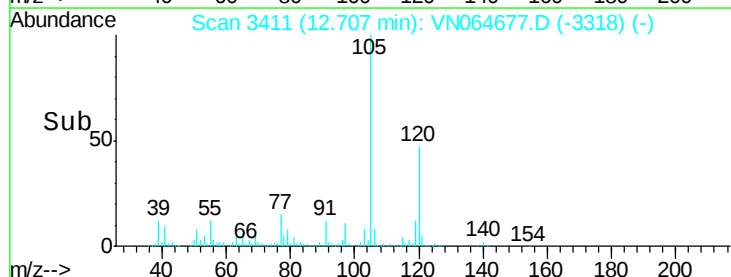
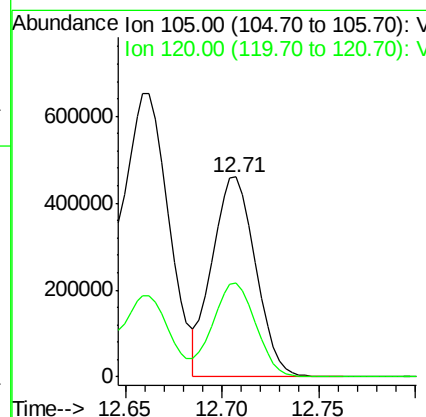
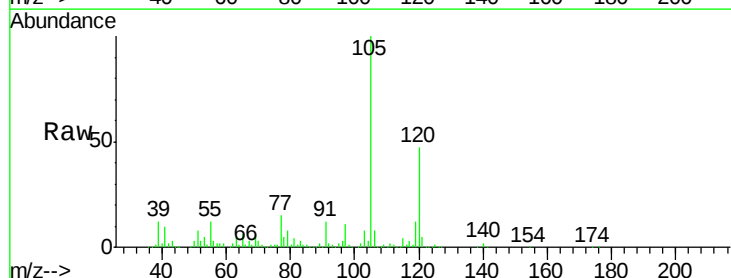
Acq: 17 Nov 2020 13:55

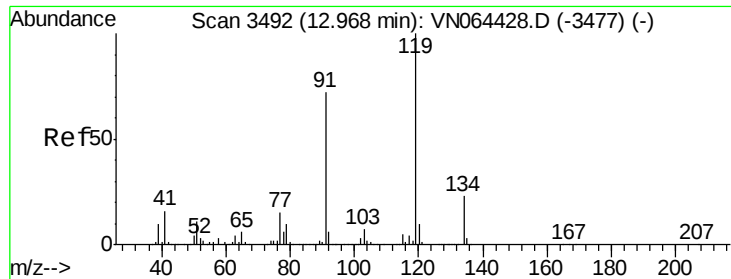
Tgt Ion: 105 Resp: 718149

Ion Ratio Lower Upper

105 100

120 47.4 23.4 70.2





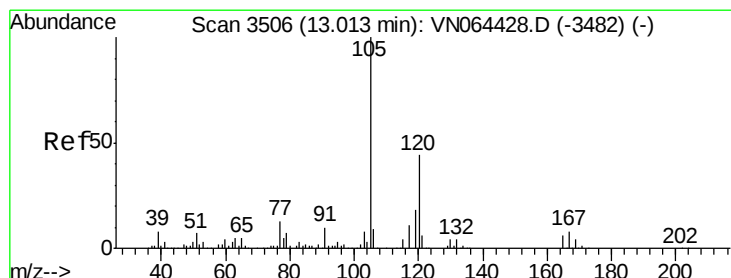
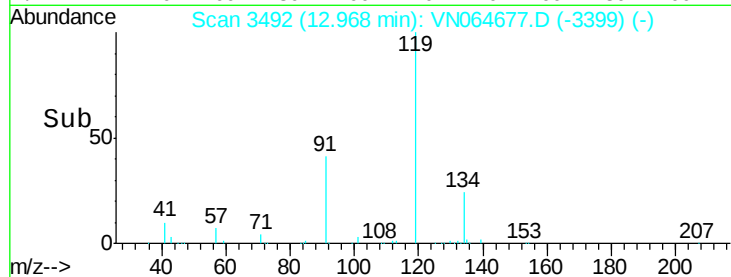
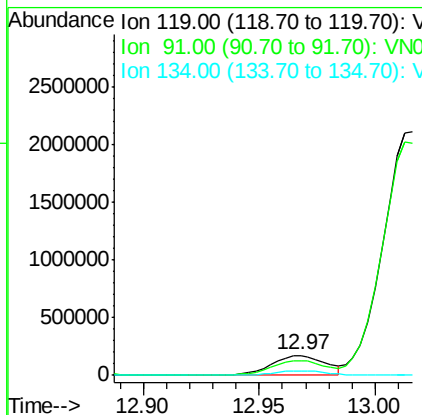
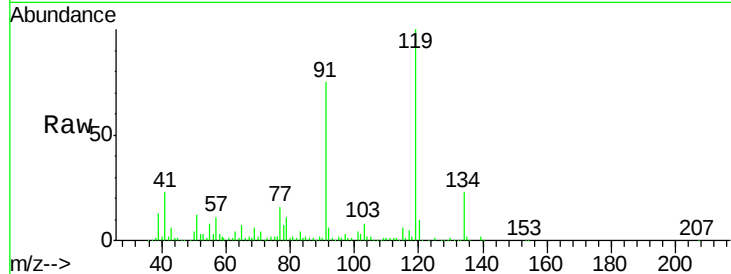
#83
 tert-Butylbenzene
 Concen: 18.187 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN064677.D
 Acq: 17 Nov 2020 13:55

Instrument :
 MSVOA_N
 ClientSampled :
 MW-4

Tot Ion	Ratio	Lower	Upper
119	100		
91	75.4	36.1	108.3
134	22.9	11.7	35.1

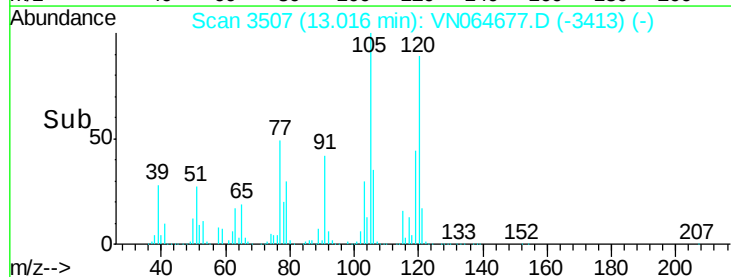
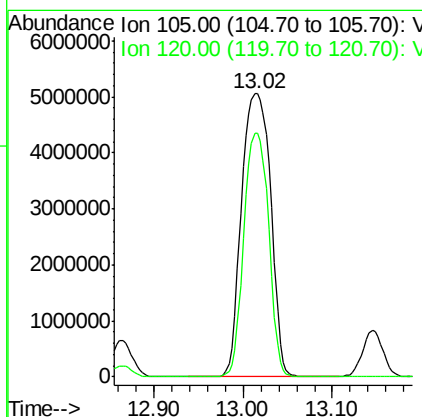
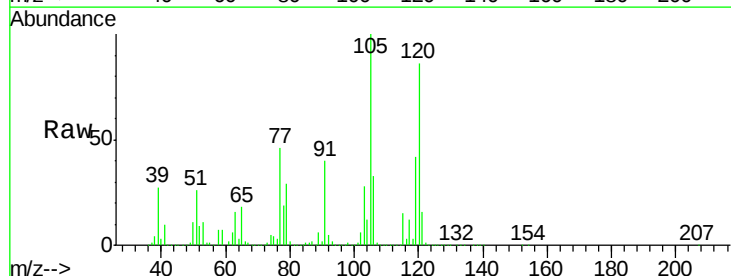
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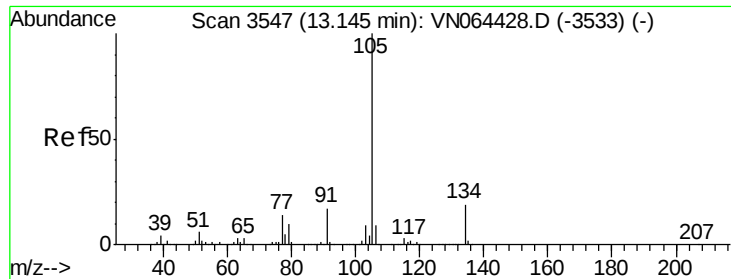
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 11/18/2020 5:15:16 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 594.100 ug/l m
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN064677.D
 Acq: 17 Nov 2020 13:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	2.7	21.9	65.7#





#85

sec-Butylbenzene

Concen: 68.284 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN064677.D

Acq: 17 Nov 2020 13:55

Instrument :

MSVOA_N

ClientSampled :

MW-4

Tot Ion:105 Resp: 1306094

Ion Ratio Lower Upper

105 100

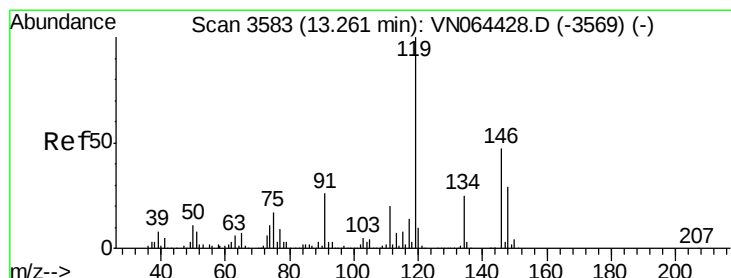
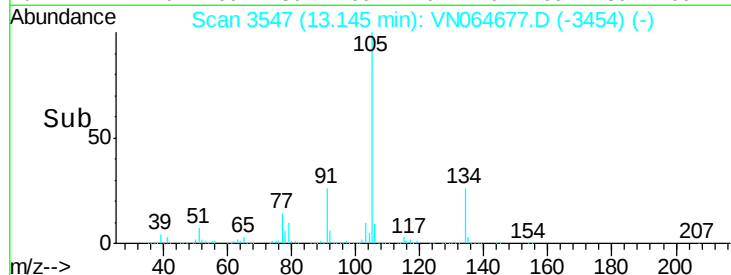
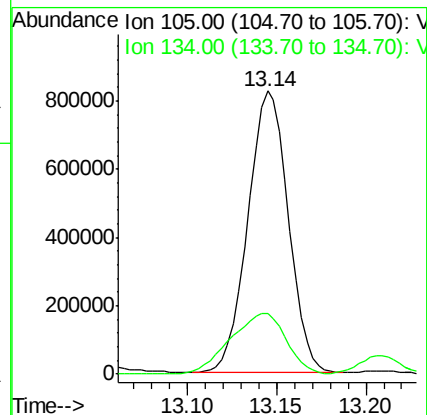
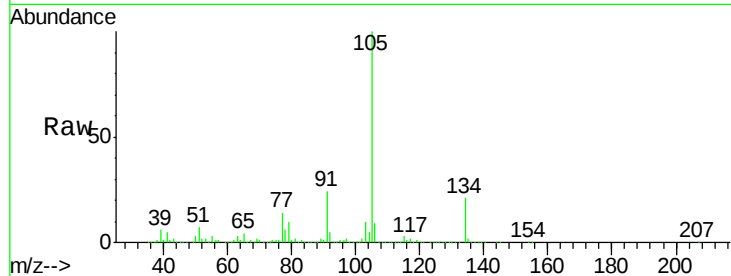
134 29.7 9.4 28.2#

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11/18/2020 5:15:16 PM



#86

p-Isopropyltoluene

Concen: 21.932 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN064677.D

Acq: 17 Nov 2020 13:55

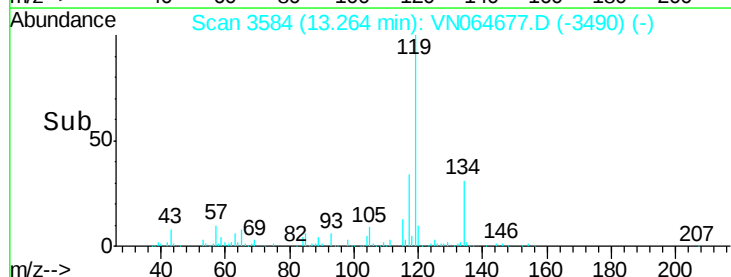
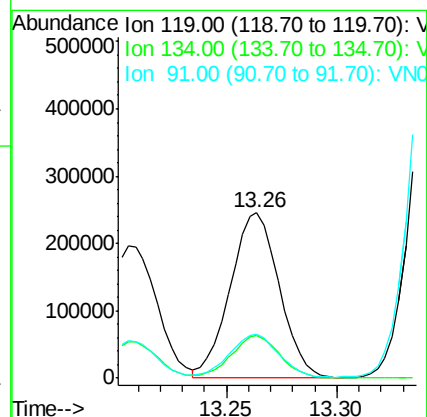
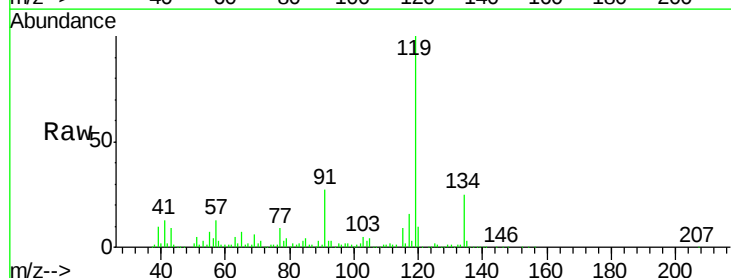
Tgt Ion:119 Resp: 377323

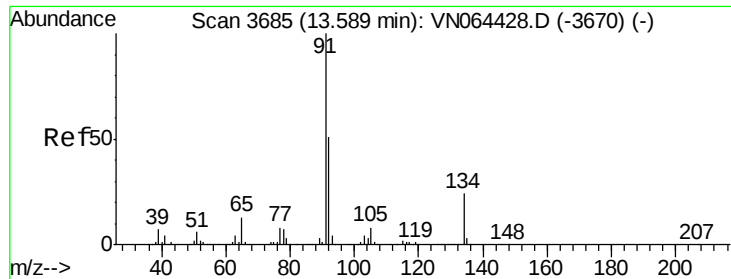
Ion Ratio Lower Upper

119 100

134 25.8 12.6 37.6

91 25.7 12.8 38.3





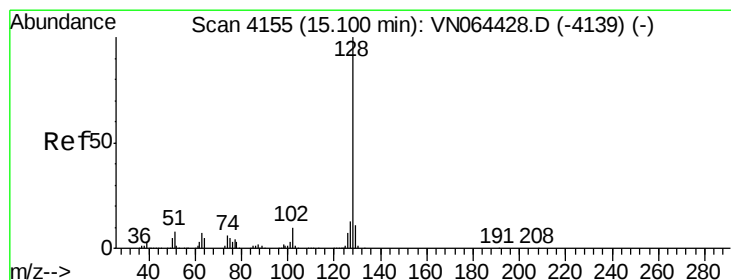
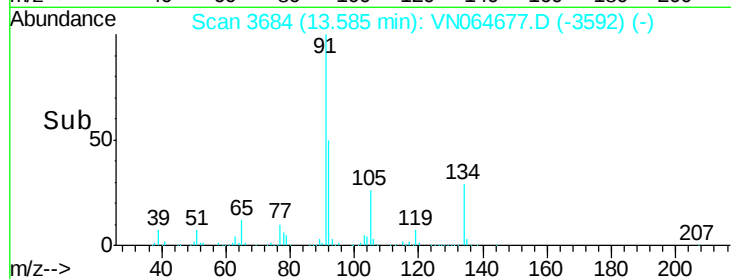
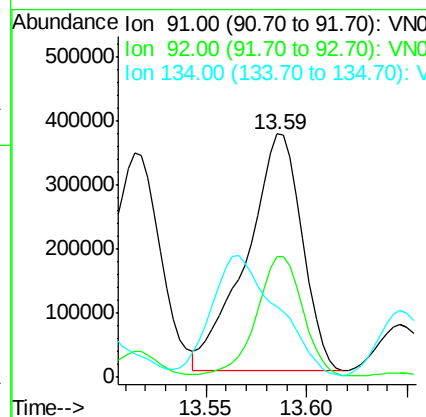
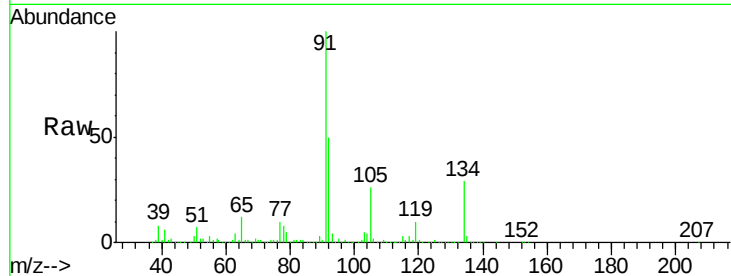
#89
n-Butylbenzene
Concen: 47.903 ug/l
RT: 13.59 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN064677.D
Acq: 17 Nov 2020 13:55

Instrument :
MSVOA_N
ClientSampleId :
MW-4

Tot Ion	Ratio	Lower	Upper
91	100		
92	42.4	25.3	75.9
134	0.0	11.8	35.4

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11/18/2020 5:15:16 PM



#95
Naphthalene
Concen: 75.306 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN064677.D
Acq: 17 Nov 2020 13:55

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.5	15.7
129	10.7	8.8	13.2

